

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049435.D
 Acq On : 20 Jun 2018 13:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 12:00:25 PM

Quant Time: Jun 21 01:40:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1605304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2331143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2161959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1119456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	985263	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	7.59	113	892382	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.09	98	3387029	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	1177701	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	863552	46.74	ug/l	100
3) Chloromethane	2.06	50	1045840	43.83	ug/l	97
4) Vinyl Chloride	2.18	62	1151794	45.42	ug/l	100
5) Bromomethane	2.56	94	569685	42.74	ug/l	97
6) Chloroethane	2.70	64	719100	47.56	ug/l	100
7) Trichlorofluoromethane	3.01	101	1513645	47.85	ug/l	97
8) Diethyl Ether	3.41	74	521173	47.19	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	946017	47.15	ug/l	94
10) Methyl Iodide	3.95	142	1135373	54.36	ug/l	91
11) Tert butyl alcohol	4.79	59	287598	230.14	ug/l	97
12) 1,1-Dichloroethene	3.73	96	853302	46.36	ug/l	92
13) Acrolein	3.61	56	437445	333.80	ug/l	98
14) Allyl chloride	4.32	41	1398851	48.13	ug/l	89
15) Acrylonitrile	4.99	53	1512943	242.12	ug/l	98
16) Acetone	3.82	43	1283239	248.22	ug/l	91
17) Carbon Disulfide	4.05	76	2553454	44.26	ug/l	100
18) Methyl Acetate	4.33	43	761189	48.29	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2325370	49.55	ug/l	100
20) Methylene Chloride	4.55	84	987273	45.73	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	914134	46.91	ug/l	92
22) Diisopropyl ether	5.95	45	2902859	50.02	ug/l	96
23) Vinyl Acetate	5.90	43	9679414	255.83	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1731756	46.62	ug/l	99
25) 2-Butanone	6.84	43	1753552	252.61	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1467137	48.91	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1043616	48.17	ug/l	92
28) Bromochloromethane	7.19	49	779916	47.36	ug/l	85
29) Tetrahydrofuran	7.21	42	1107055	247.75	ug/l	94
30) Chloroform	7.37	83	1754630	47.46	ug/l	100
31) Cyclohexane	7.65	56	1546404	49.10	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1498924	47.52	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1364834	51.08	ug/l	98
37) Ethyl Acetate	6.93	43	764341	52.62	ug/l	97
38) Carbon Tetrachloride	7.77	117	1357551	49.08	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1478258	51.54	ug/l	96
40) Benzene	8.04	78	4026338	49.16	ug/l	99
41) Methacrylonitrile	7.17	41	368674	46.95	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1233960	48.76	ug/l	97
43) Isopropyl Acetate	8.17	43	1472603	53.06	ug/l	98
44) Trichloroethene	8.84	130	1072485	49.58	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1055791	49.23	ug/l	100
46) Dibromomethane	9.21	93	610242	49.07	ug/l	91
47) Bromodichloromethane	9.40	83	1344173	49.19	ug/l	97
48) Methyl methacrylate	9.20	41	673426	51.53	ug/l	87
49) 1,4-Dioxane	9.20	88	181150	1004.34	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3786861	260.36	ug/l	94
52) Toluene	10.16	92	2492607	51.85	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1365193	52.22	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1577479	51.10	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	876805	48.92	ug/l	98
56) Ethyl methacrylate	10.43	69	1117948	54.07	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1484395	50.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1493758	204.83	ug/l	95
59) 2-Hexanone	10.75	43	2567522	273.81	ug/l	93
60) Dibromochloromethane	10.90	129	1007409	50.36	ug/l	98
61) 1,2-Dibromoethane	11.01	107	848276	50.92	ug/l	99
64) Tetrachloroethene	10.63	164	1132001	51.10	ug/l	98
65) Chlorobenzene	11.44	112	2716874	48.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1009969	48.19	ug/l	99
67) Ethyl Benzene	11.51	91	4772091	51.66	ug/l	98
68) m/p-Xylenes	11.62	106	3675872	106.03	ug/l	97
69) o-Xylene	11.95	106	1756826	52.61	ug/l	95
70) Styrene	11.97	104	2901376	55.08	ug/l	97
71) Bromoform	12.13	173	674952	49.75	ug/l #	99
73) Isopropylbenzene	12.25	105	4707193	47.89	ug/l	98
74) N-amyl acetate	12.07	43	1198038	49.76	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	995725	49.21	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	847455m	44.37	ug/l	
77) Bromobenzene	12.53	156	1167576	44.97	ug/l	90
78) n-propylbenzene	12.59	91	5423824	50.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	3198237	46.77	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3875782	50.17	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	290475	48.06	ug/l	92
82) 4-Chlorotoluene	12.77	91	3228723	48.94	ug/l	98
83) tert-Butylbenzene	12.99	119	3225198	47.12	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3930893	51.22	ug/l	99
85) sec-Butylbenzene	13.17	105	4398725	48.29	ug/l	98
86) p-Isopropyltoluene	13.29	119	3853670	50.63	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2056211	48.14	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2023342	47.80	ug/l	99
89) n-Butylbenzene	13.62	91	3117598	52.44	ug/l	97
90) Hexachloroethane	13.88	117	717587	49.81	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1995709	47.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	154830	45.25	ug/l	89

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	852625	44.94	ug/l	98
94) Hexachlorobutadiene	15.01	225	644599	52.76	ug/l	98
95) Naphthalene	15.14	128	1656437	48.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	856556	45.94	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

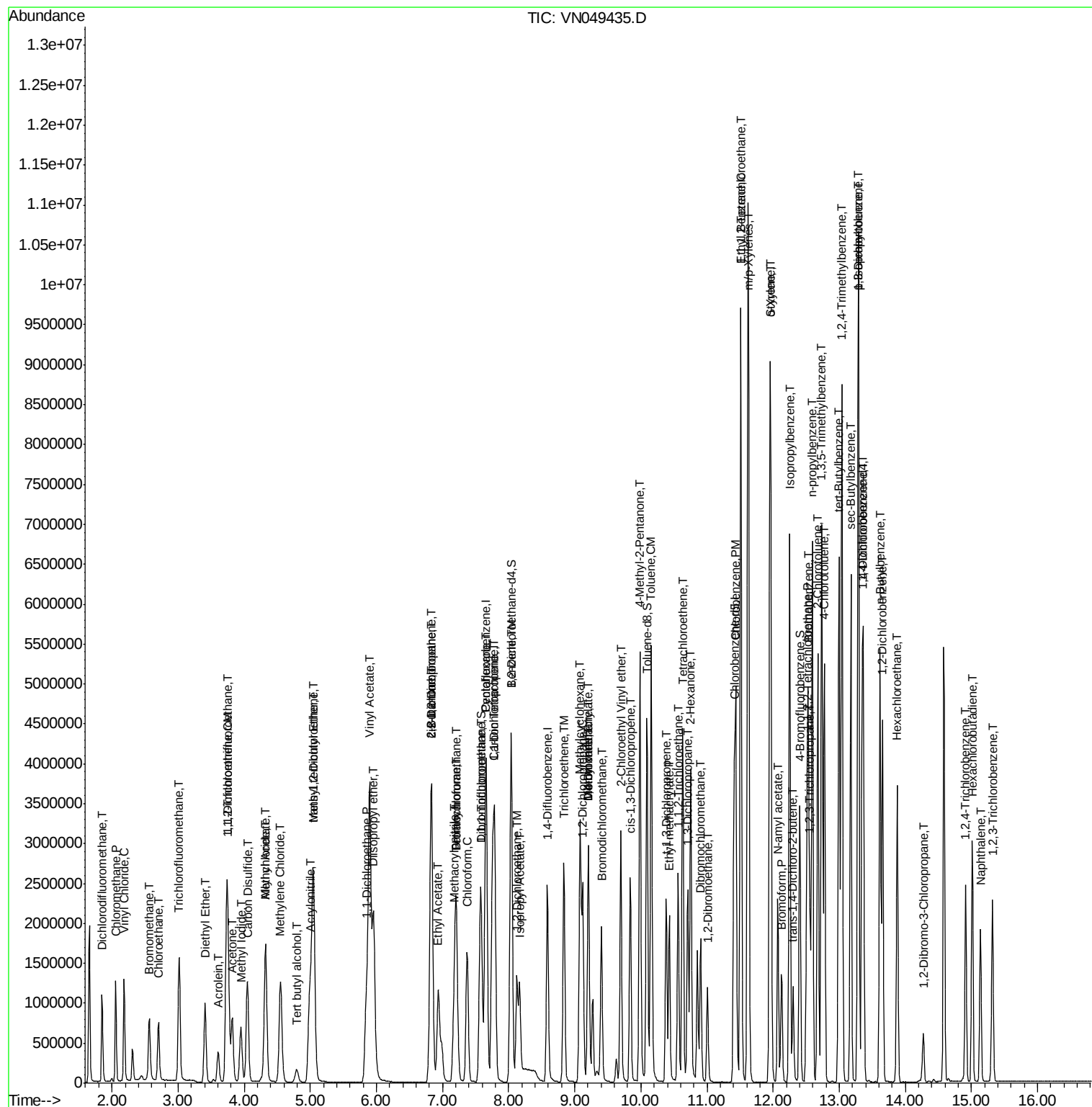
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
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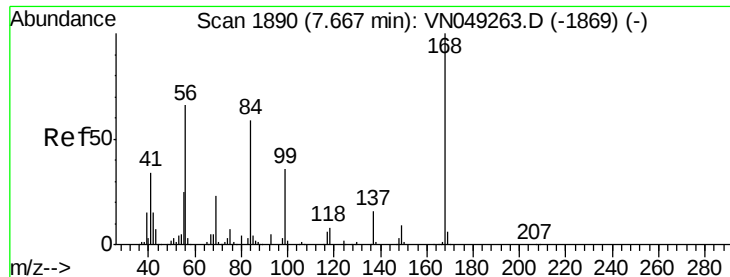
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1605304

Ion Ratio Lower Upper

168 100

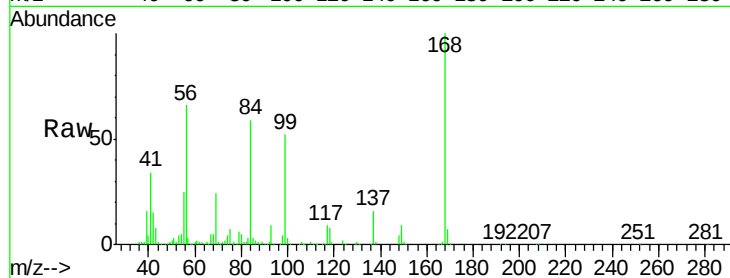
99 51.7 45.8 68.6

Manual Integrations

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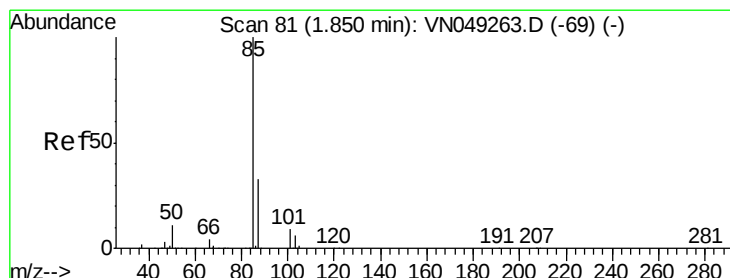
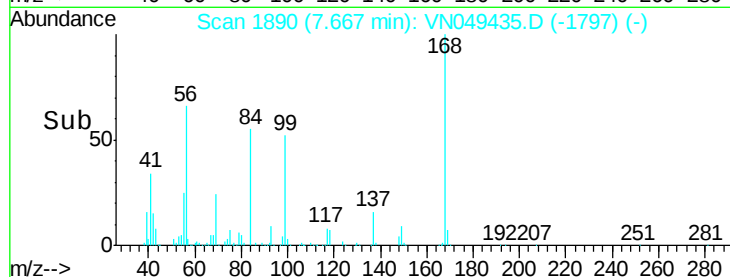
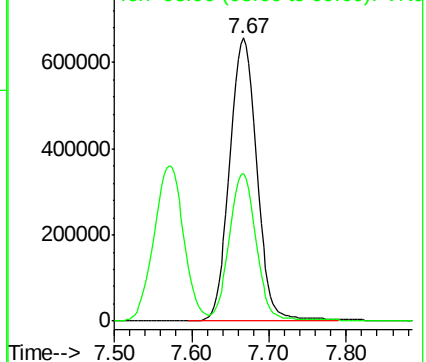
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049435.D

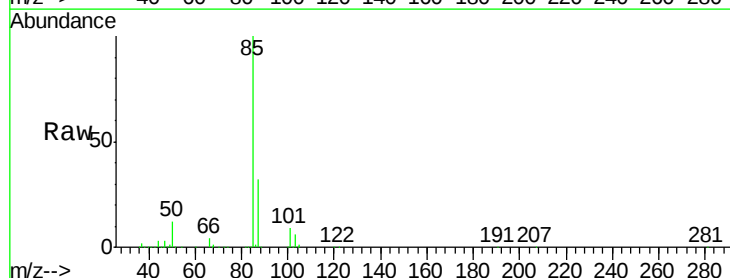
Acq: 20 Jun 2018 13:48

Tgt Ion: 85 Resp: 863552

Ion Ratio Lower Upper

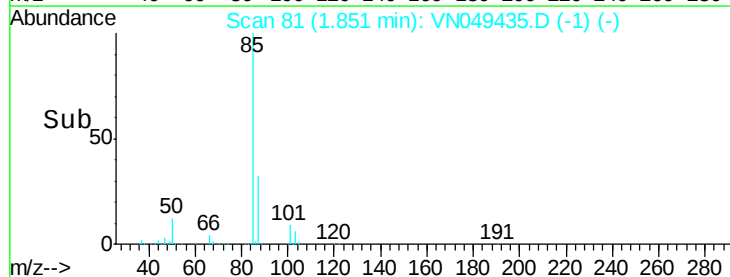
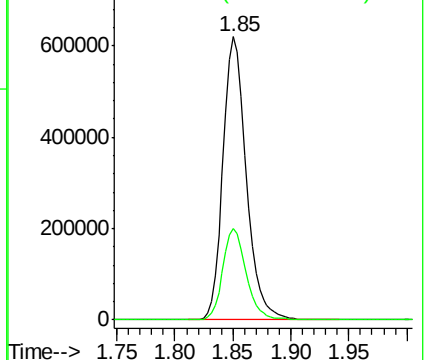
85 100

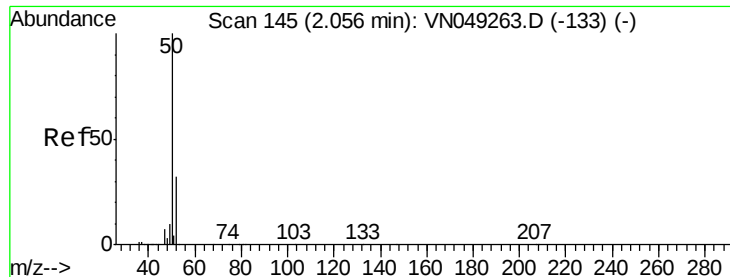
87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.83 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 1045840

Ion Ratio Lower Upper

50 100

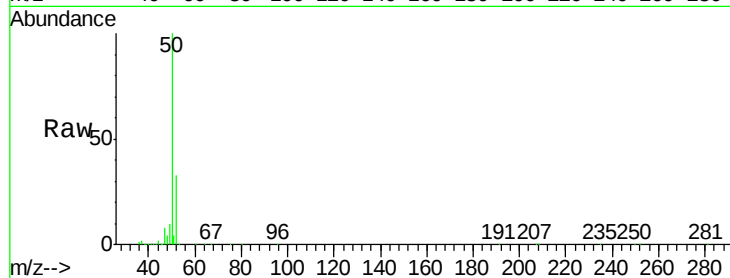
52 33.3 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

800000

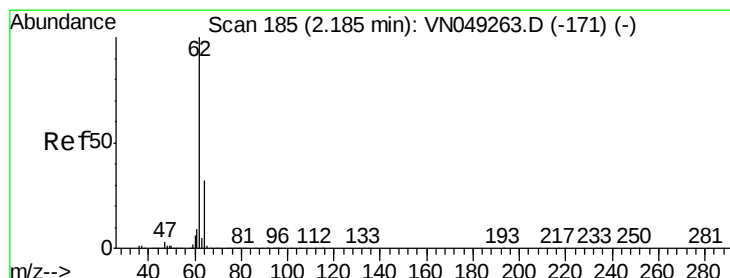
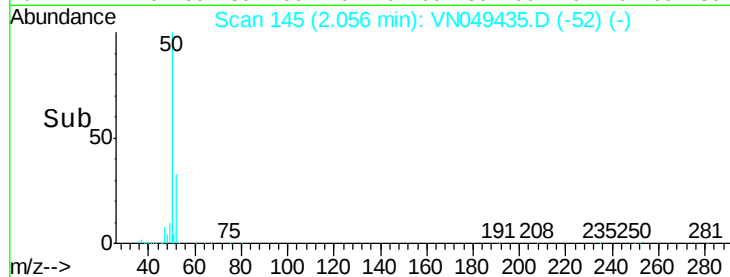
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 45.42 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049435.D

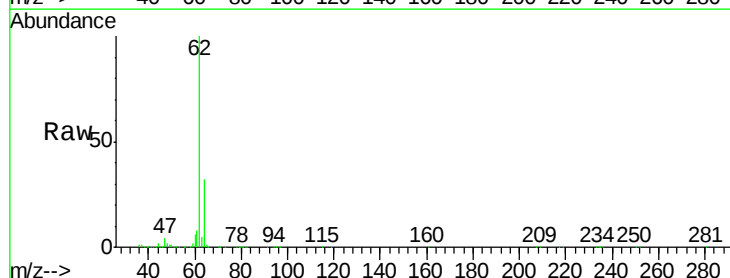
Acq: 20 Jun 2018 13:48

Tgt Ion: 62 Resp: 1151794

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

800000

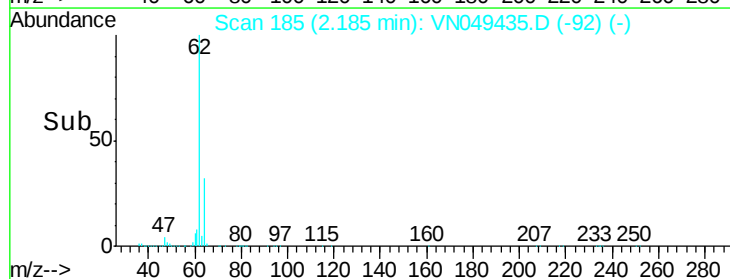
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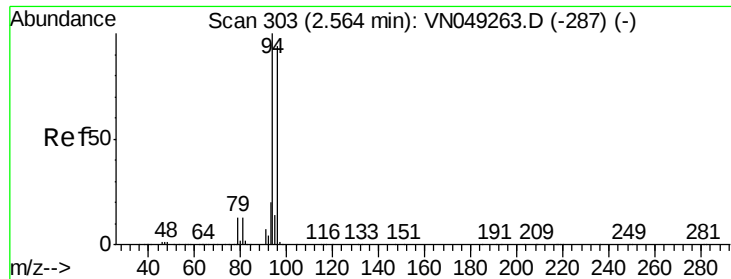
400000

200000

0

Time-->





#5

Bromomethane

Concen: 42.74 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

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Tot Ion: 94 Resp: 569685

Ion Ratio Lower Upper

94 100

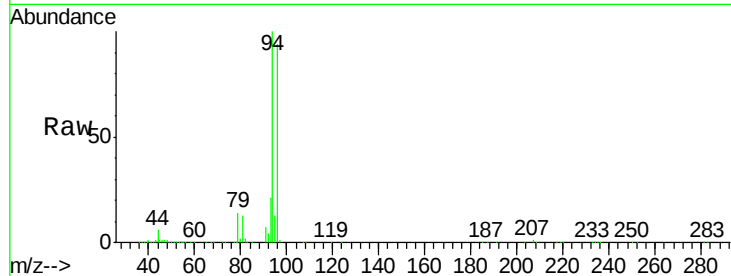
96 94.2 72.8 109.2

Manual Integrations

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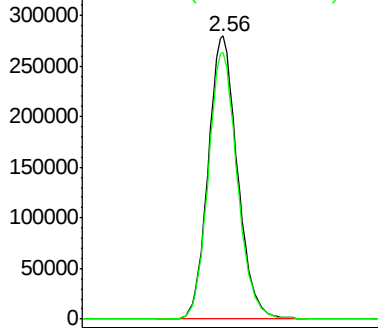
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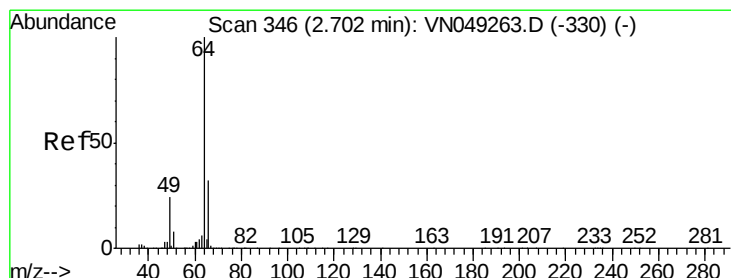
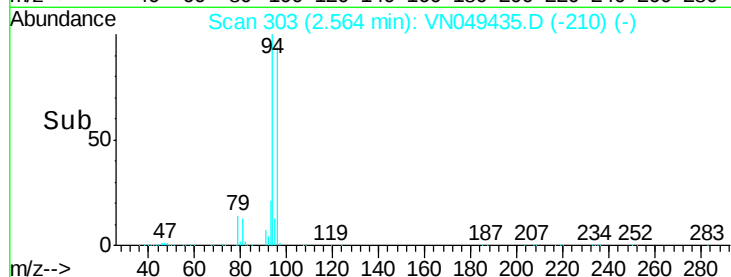


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 47.56 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049435.D

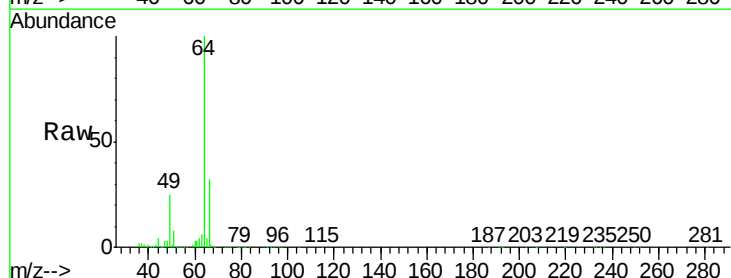
Acq: 20 Jun 2018 13:48

Tgt Ion: 64 Resp: 719100

Ion Ratio Lower Upper

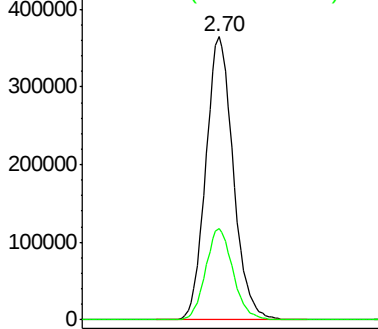
64 100

66 32.2 25.6 38.4

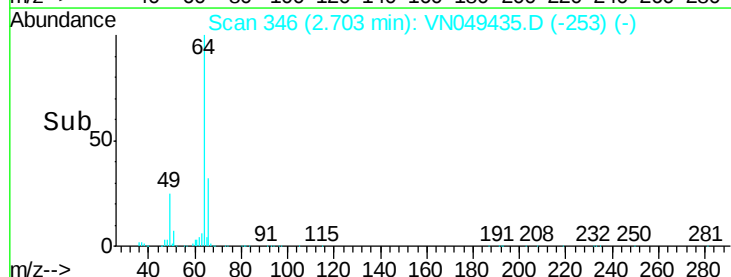


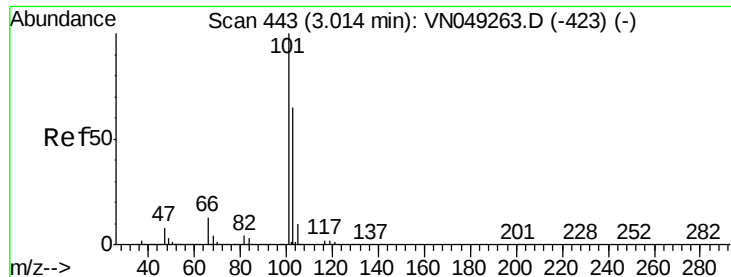
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

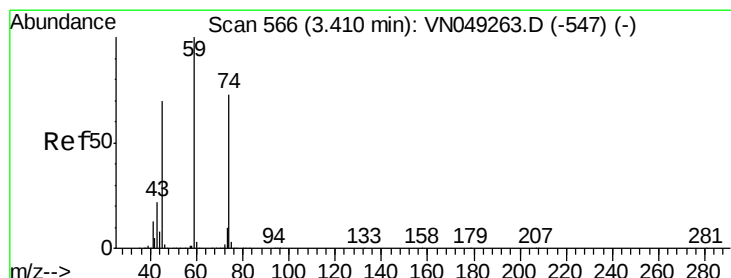
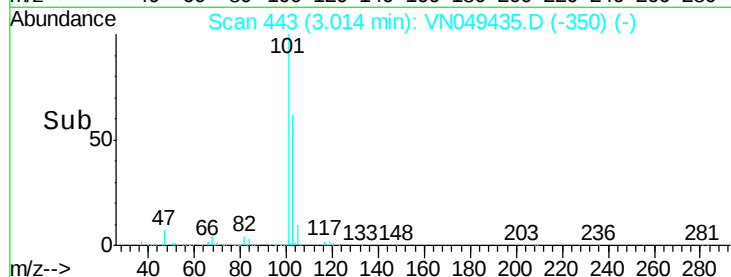
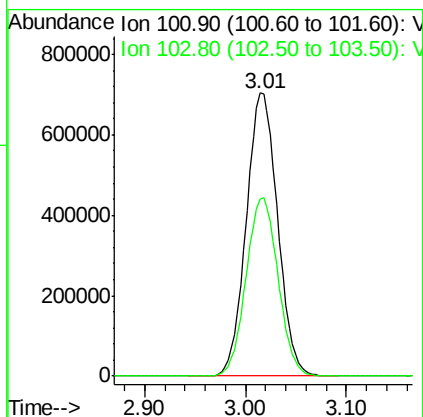
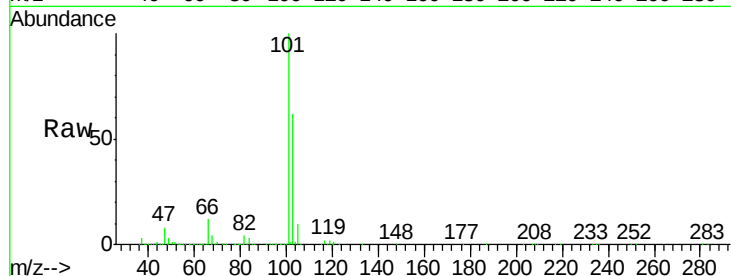
Trichlorofluoromethane
Concen: 47.85 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1513645
Ion Ratio Lower Upper
101 100
103 62.4 51.7 77.5

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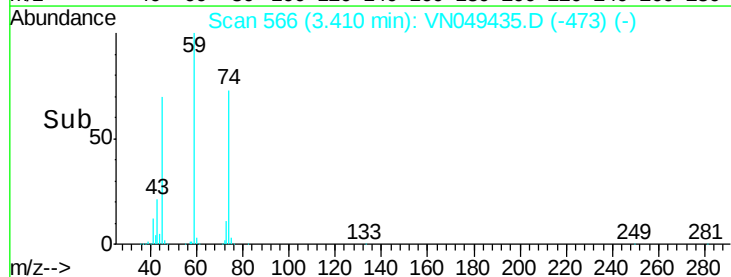
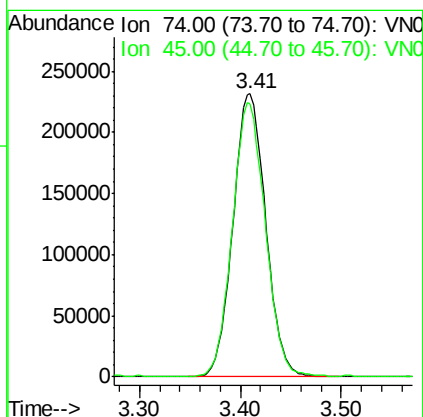
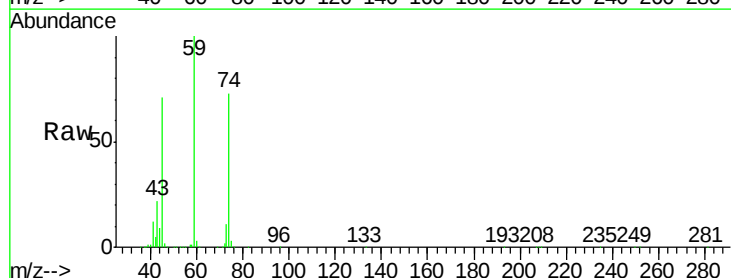
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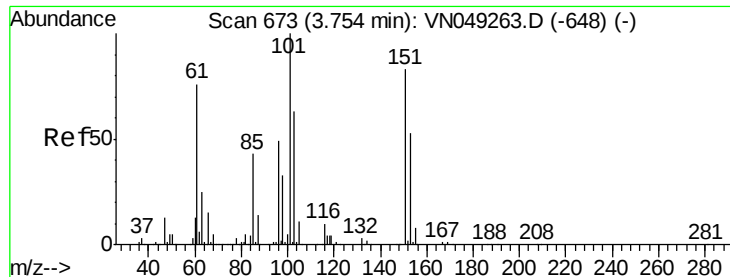


#8

Diethyl Ether
Concen: 47.19 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 74 Resp: 521173
Ion Ratio Lower Upper
74 100
45 96.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.15 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

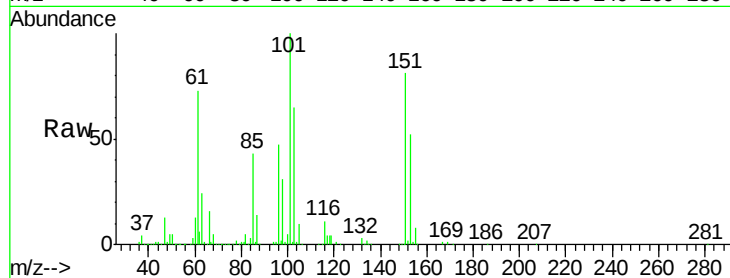
ClientSampleId :

VSTDCCC050

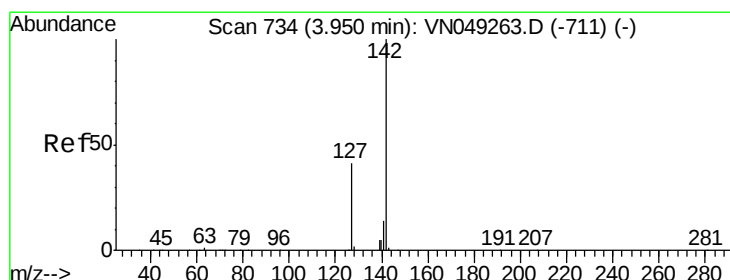
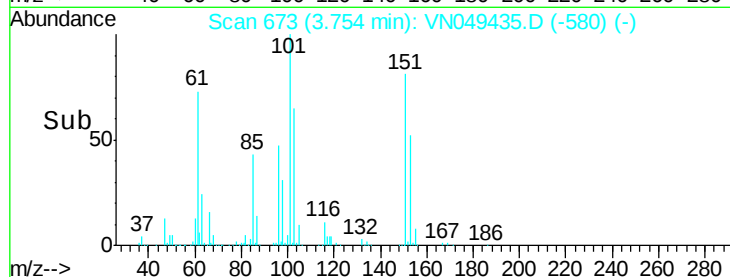
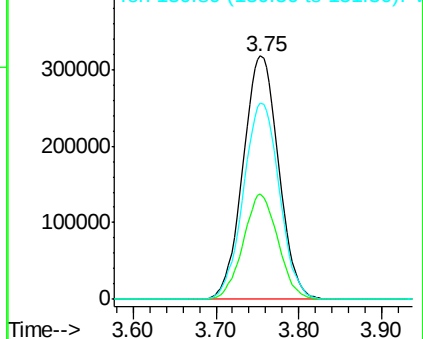
Tot Ion:	101	Resp:	946017
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.6	56.4
151	81.6	61.1	91.7

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.36 ug/l

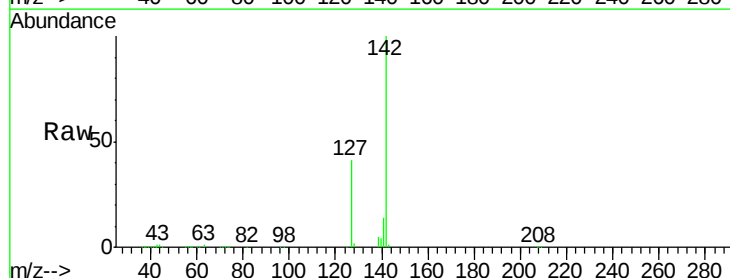
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

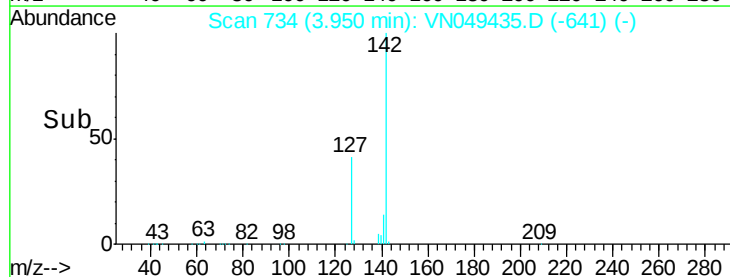
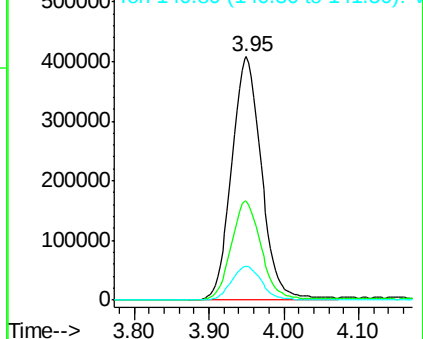
Lab File: VN049435.D

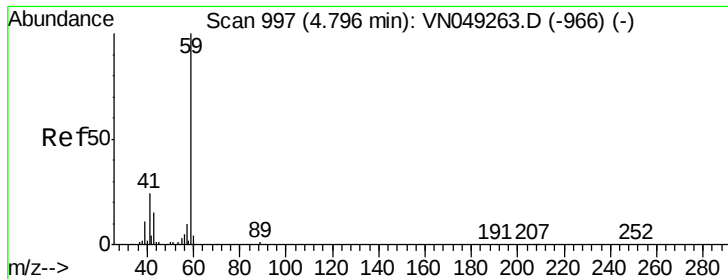
Acq: 20 Jun 2018 13:48

Tgt Ion:	142	Resp:	1135373
Ion Ratio	Lower	Upper	
142	100		
127	40.6	38.2	57.4
141	14.1	11.9	17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

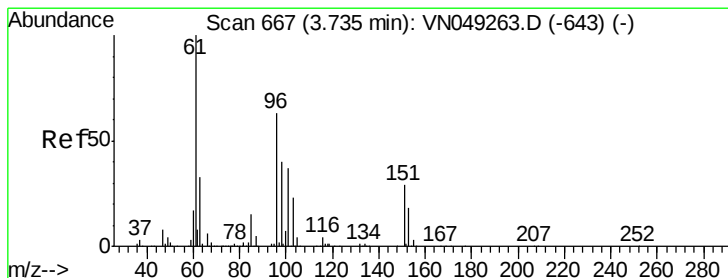
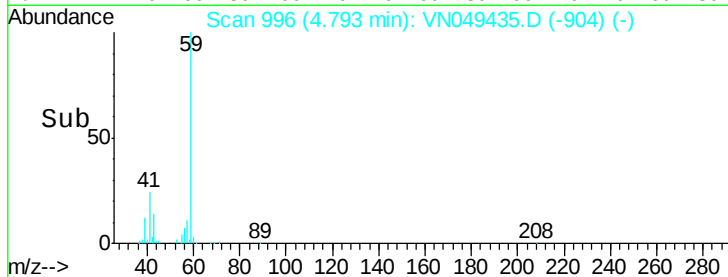
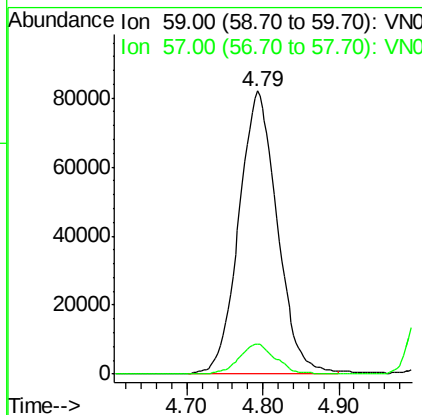
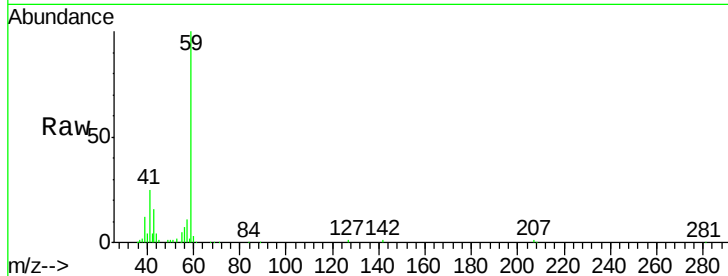
Tert butyl alcohol
Concen: 230.14 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.0	13.6

Manual Integrations
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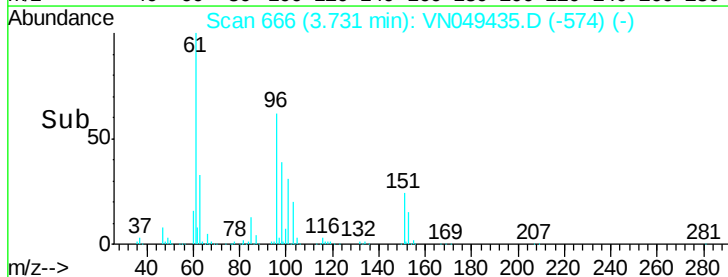
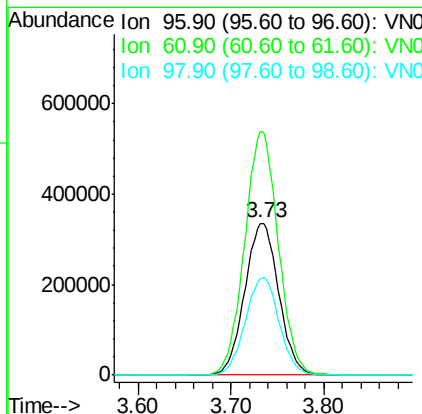
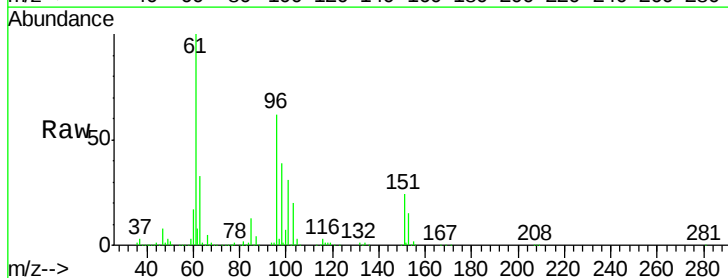
apatel
6/21/2018 12:00:25 PM

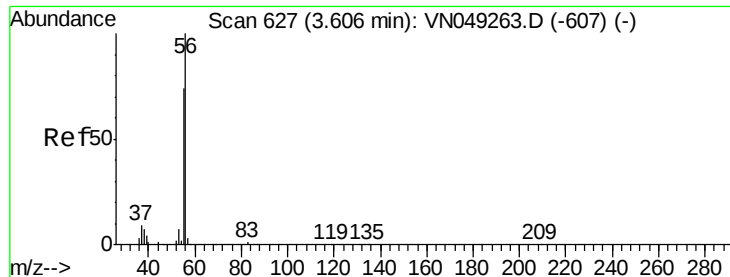


#12

1,1-Dichloroethene
Concen: 46.36 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	141.0	211.4
98	63.3	50.4	75.6





#13

Acrolein

Concen: 333.80 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 437445

Ion Ratio Lower Upper

56 100

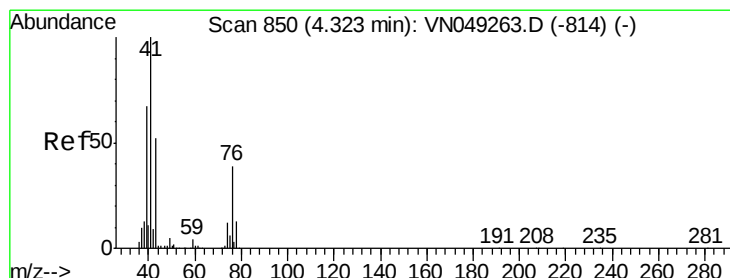
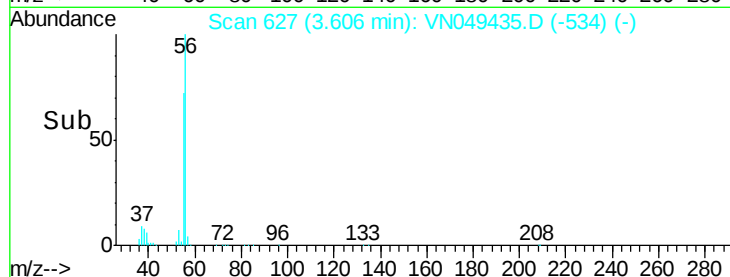
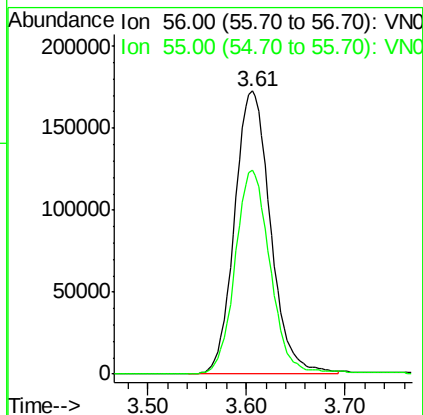
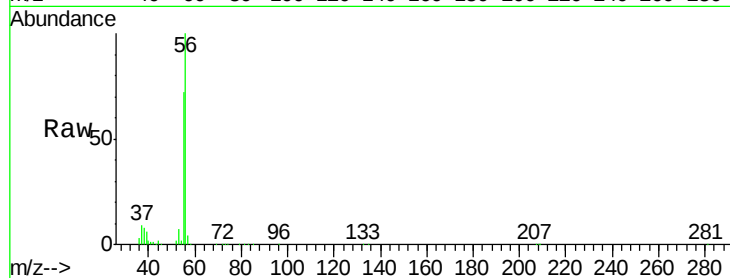
55 69.4 57.1 85.7

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 48.13 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

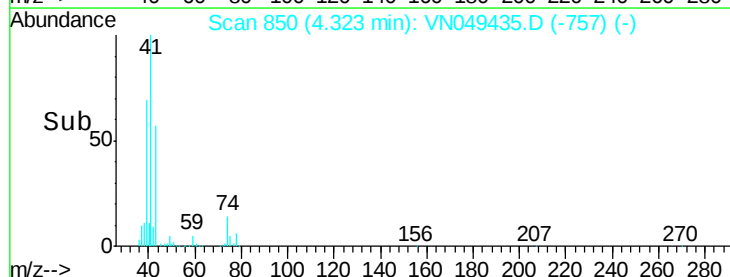
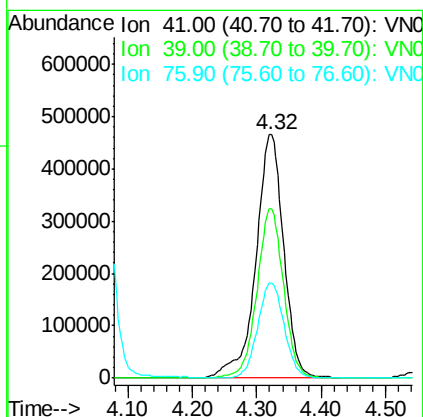
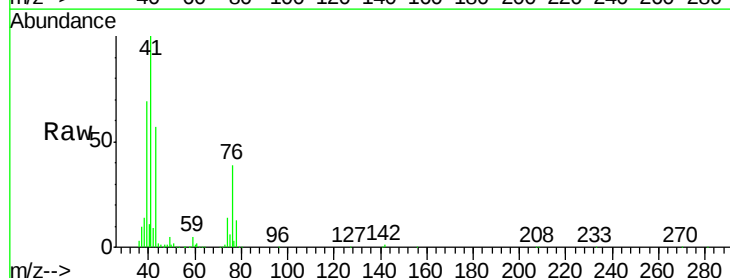
Tgt Ion: 41 Resp: 1398851

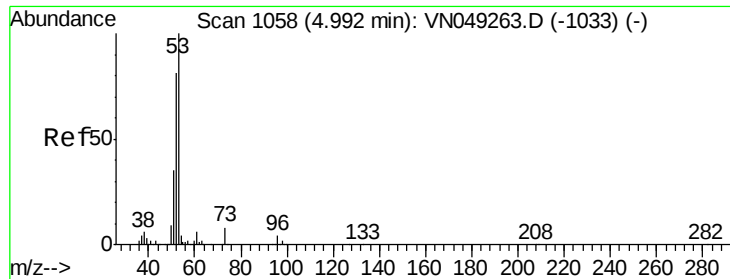
Ion Ratio Lower Upper

41 100

39 66.5 62.5 93.7

76 37.0 27.1 40.7





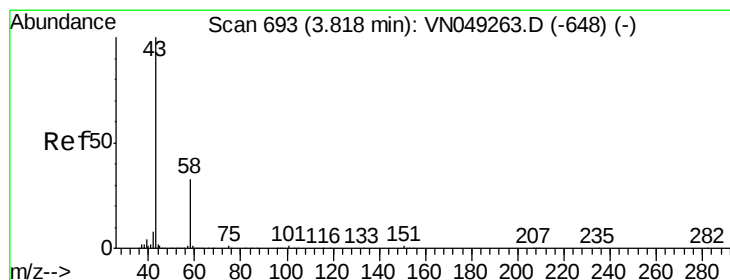
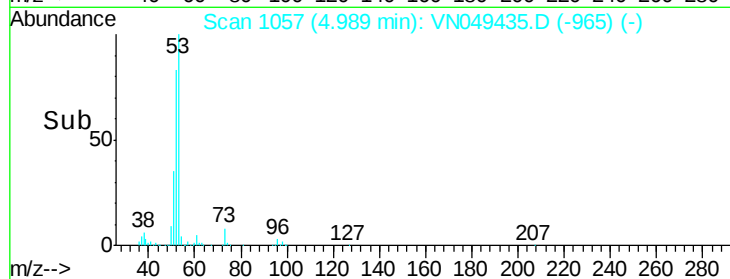
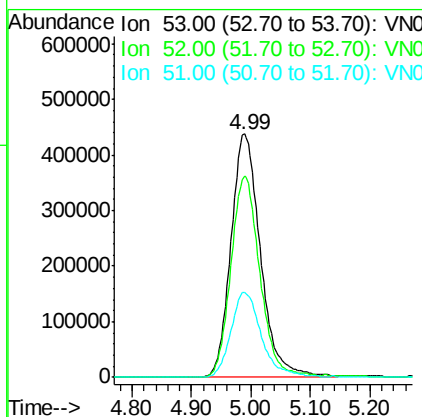
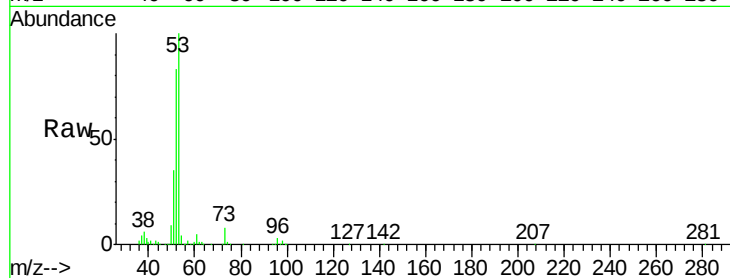
#15
 Acrylonitrile
 Concen: 242.12 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.6	100.0
51	36.2	29.8	44.8

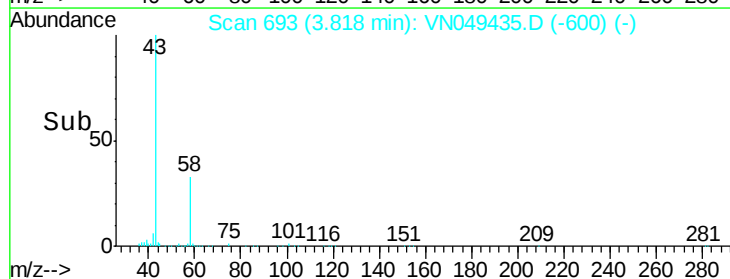
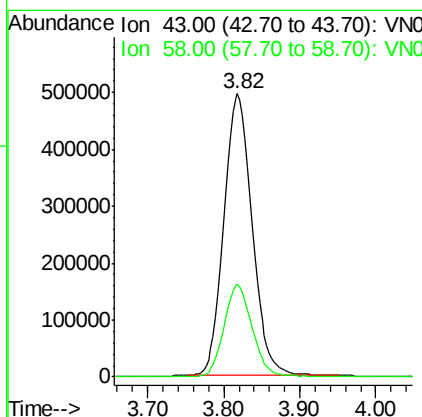
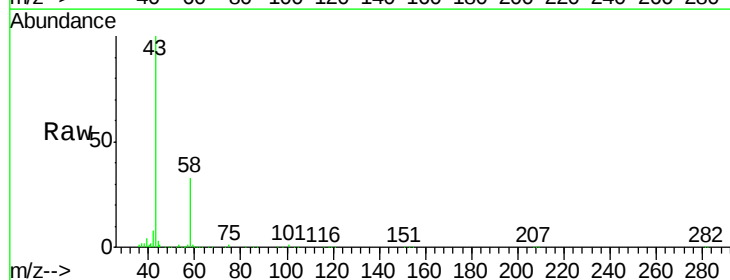
Manual Integrations
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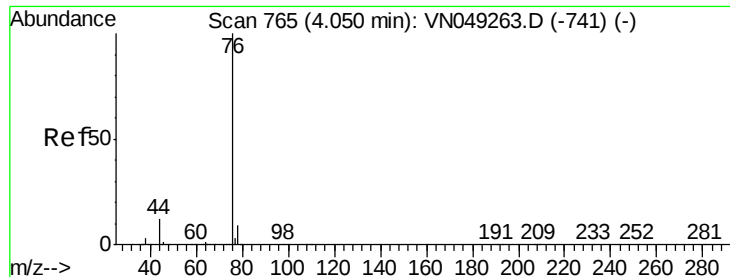
apatel
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#16
 Acetone
 Concen: 248.22 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6





#17

Carbon Disulfide

Concen: 44.26 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tot Ion: 76 Resp: 2553454

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

Instrument :

MSVOA_N

ClientSampled :

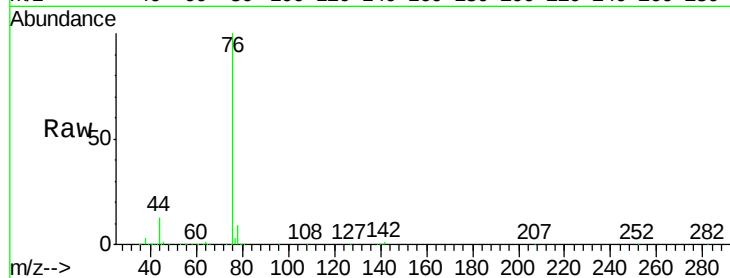
VSTDCCC050

Manual Integrations

APPROVED

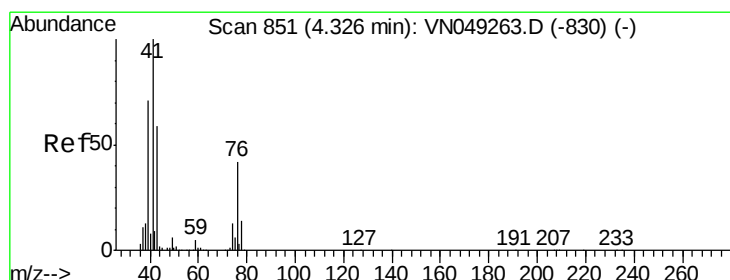
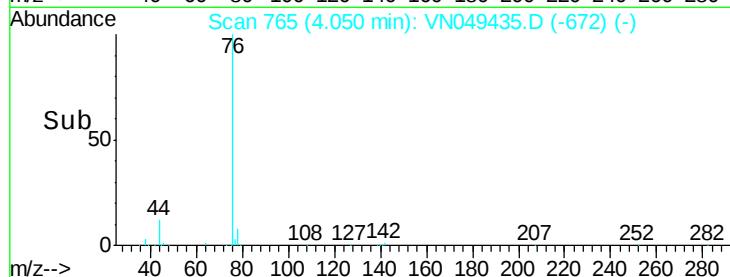
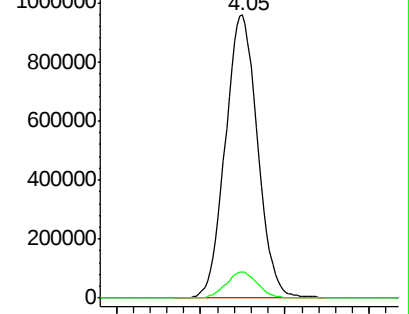
apatel

6/21/2018 12:00:25 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 48.29 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049435.D

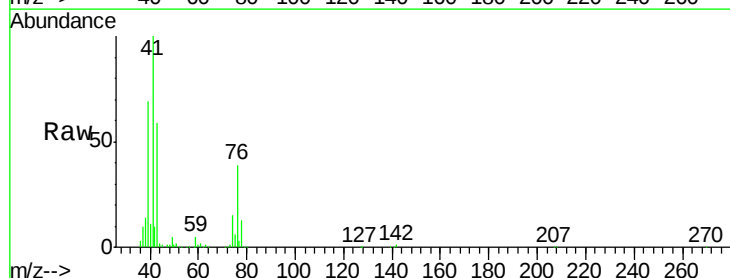
Acq: 20 Jun 2018 13:48

Tgt Ion: 43 Resp: 761189

Ion Ratio Lower Upper

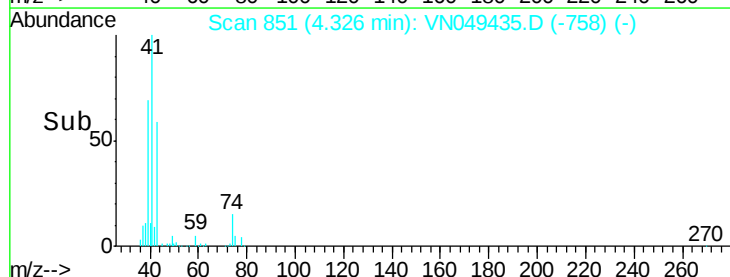
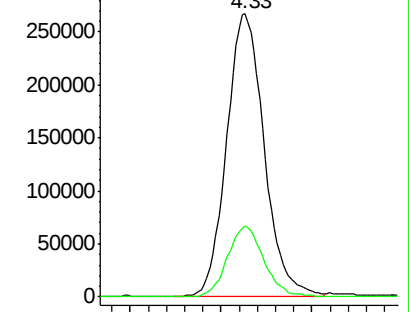
43 100

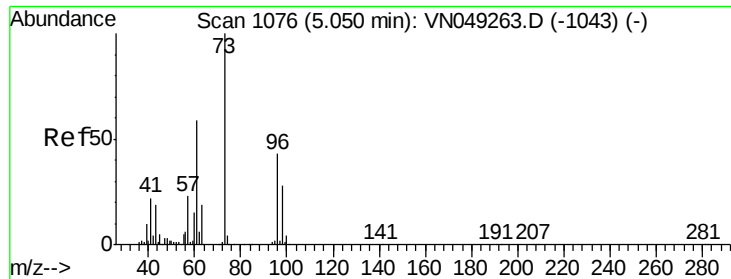
74 24.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





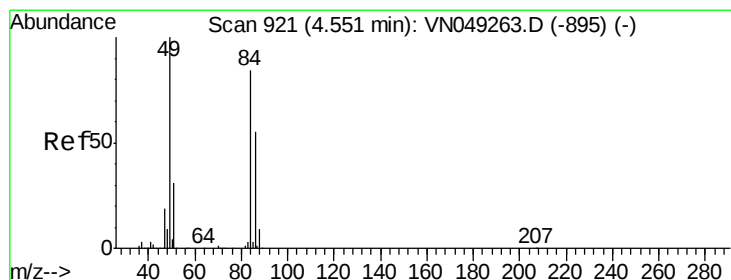
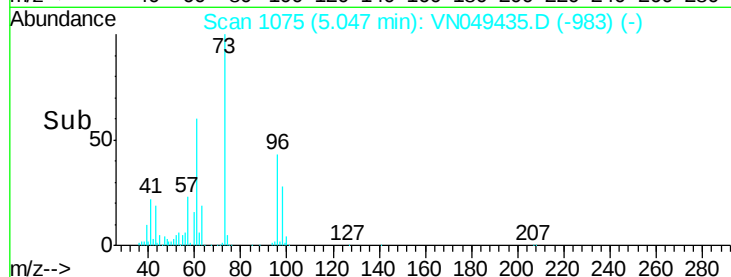
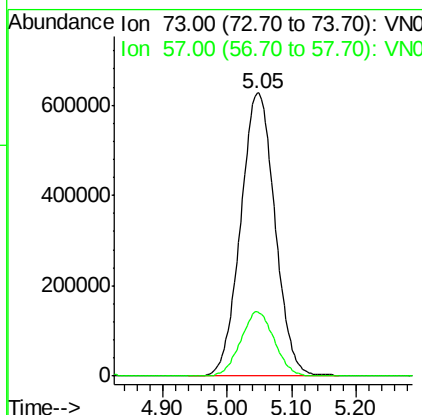
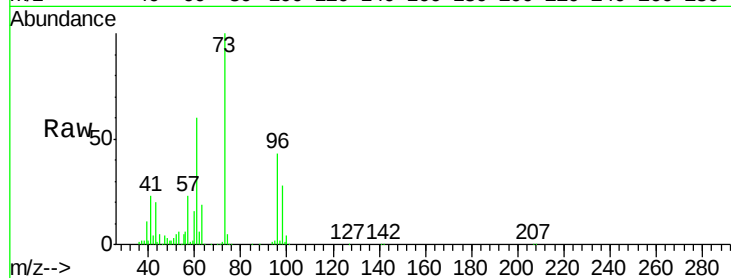
#19
Methyl tert-butyl Ether
Concen: 49.55 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2325370
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4

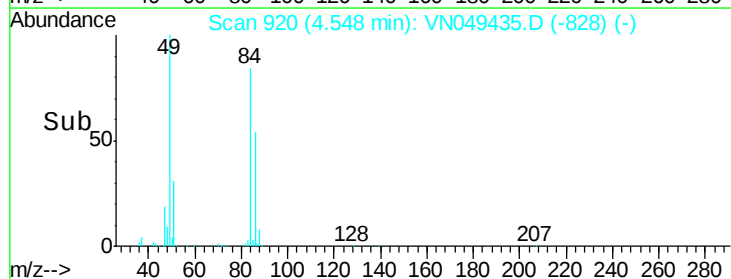
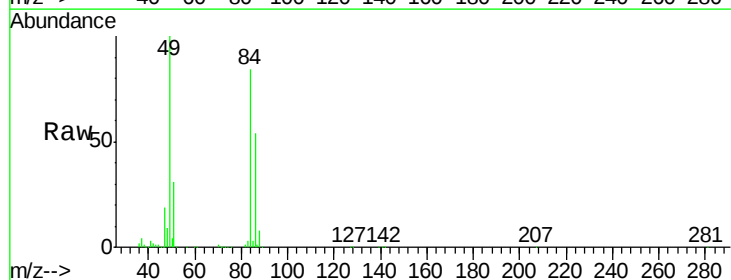
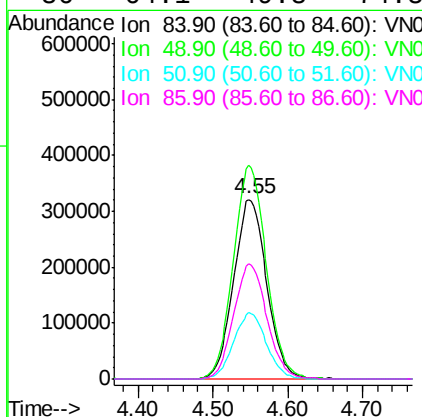
Manual Integrations
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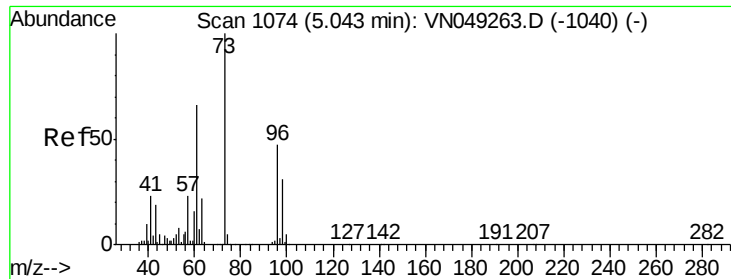
apatel
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#20
Methylene Chloride
Concen: 45.73 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 84 Resp: 987273
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 36.8 32.7 49.1
86 64.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.91 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

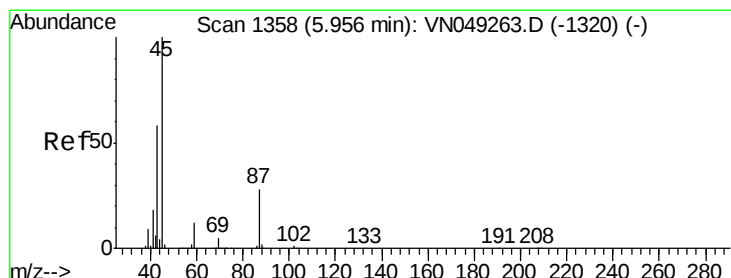
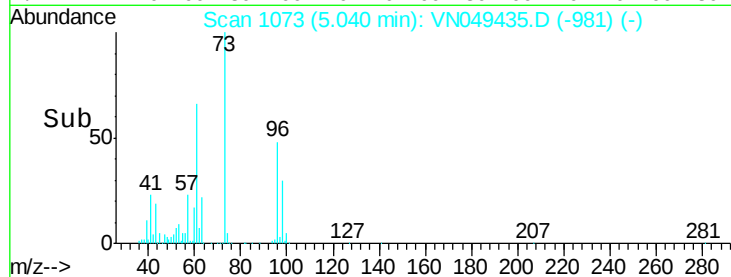
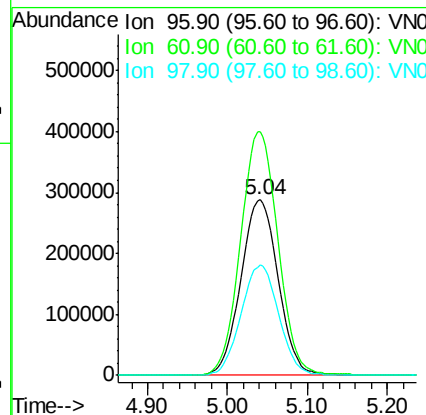
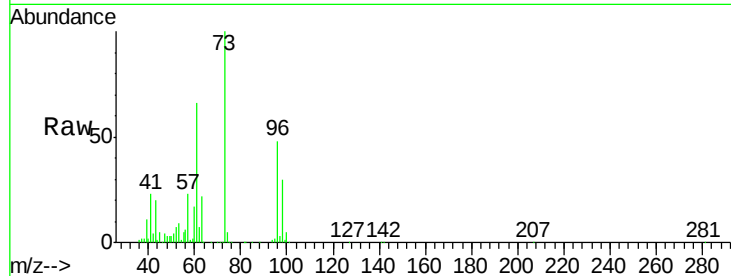
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	914134
Ion	Ratio	Lower	Upper
96	100		
61	139.0	121.3	181.9
98	62.9	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.02 ug/l

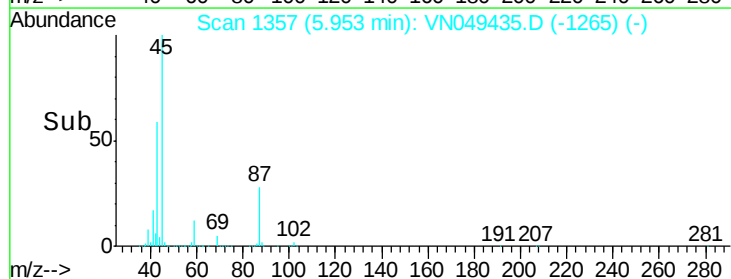
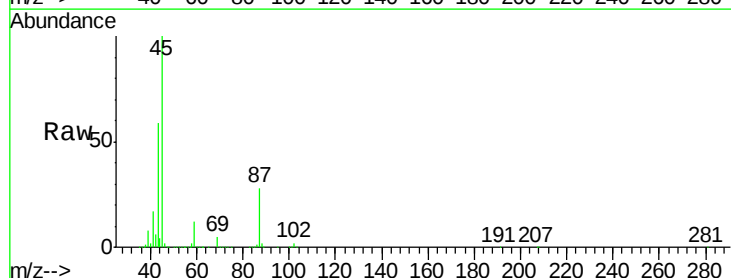
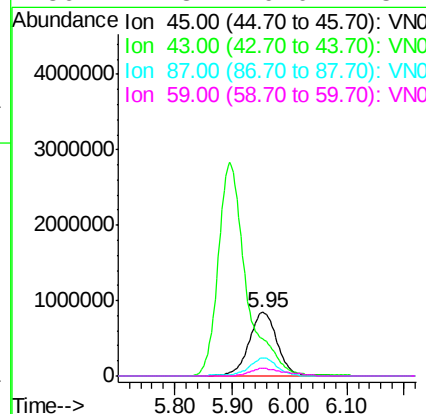
RT: 5.95 min Scan# 1357

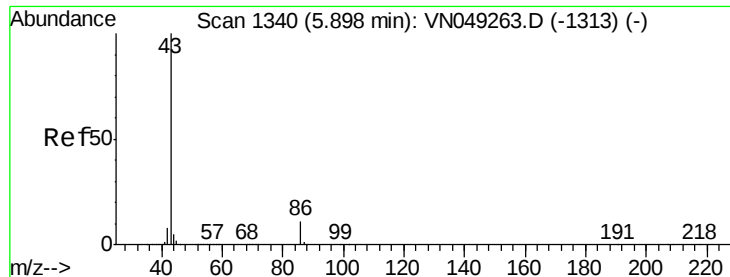
Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion:	45	Resp:	2902859
Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.6	72.8
87	27.8	20.2	30.2
59	12.3	9.0	13.4





#23

Vinyl Acetate

Concen: 255.83 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9679414

Ion Ratio Lower Upper

43 100

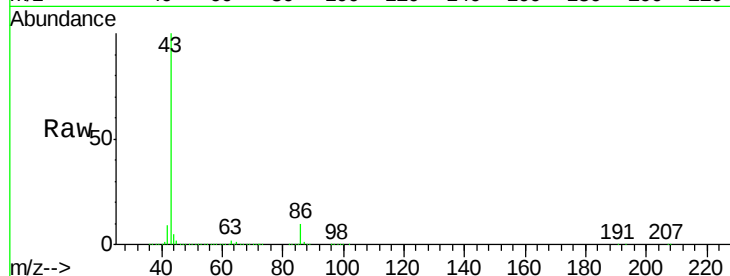
86 10.5 7.2 10.8

Manual Integrations

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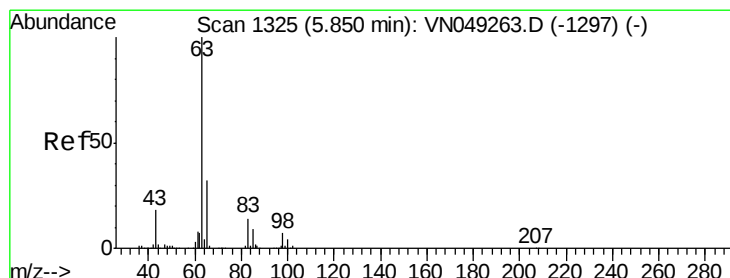
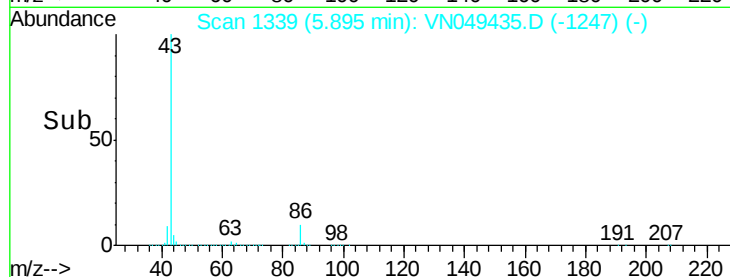
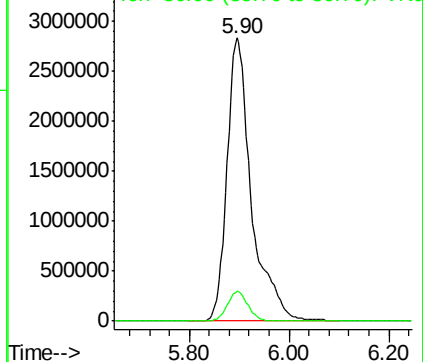
apatel

6/21/2018 12:00:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.62 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

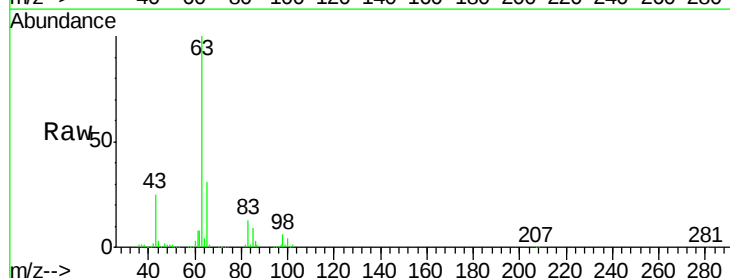
Tgt Ion: 63 Resp: 1731756

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

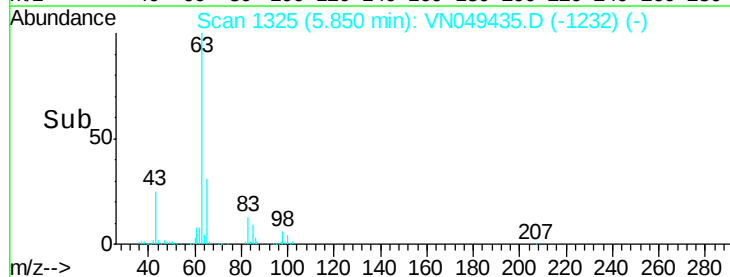
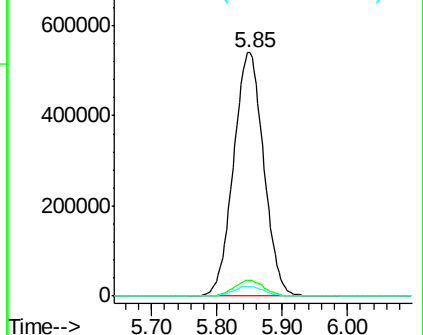
100 4.1 2.1 6.3

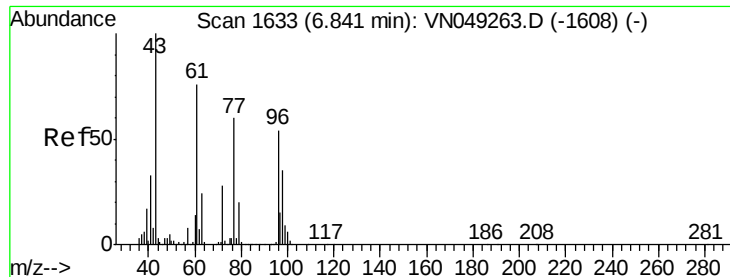


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 252.61 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1753552

Ion Ratio Lower Upper

43 100

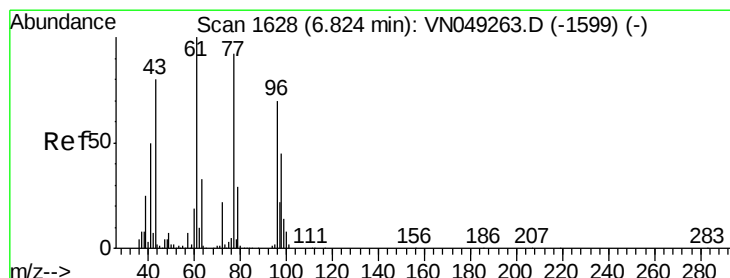
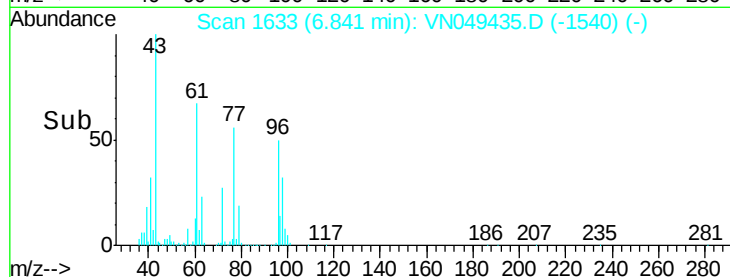
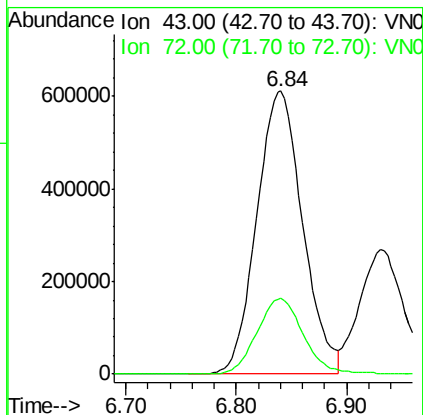
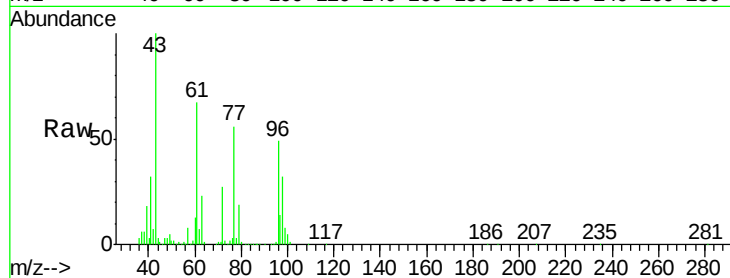
72 26.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.91 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049435.D

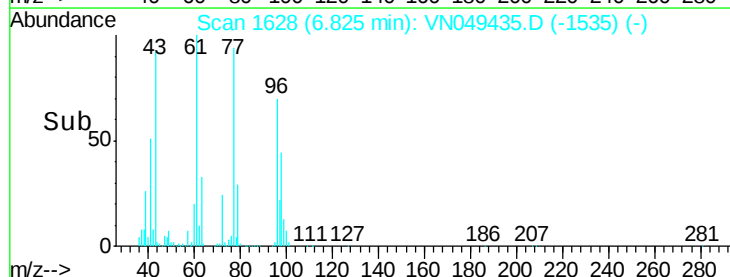
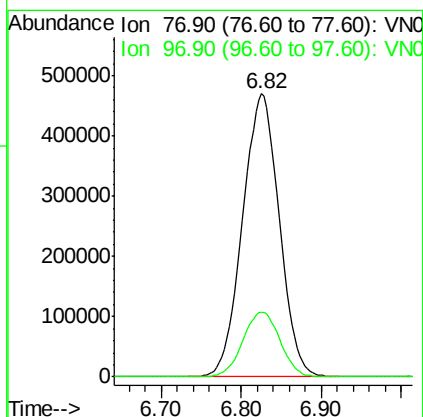
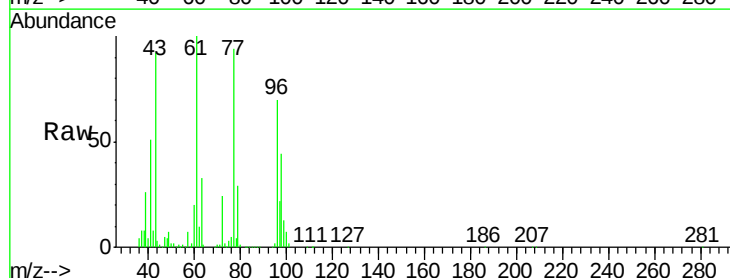
Acq: 20 Jun 2018 13:48

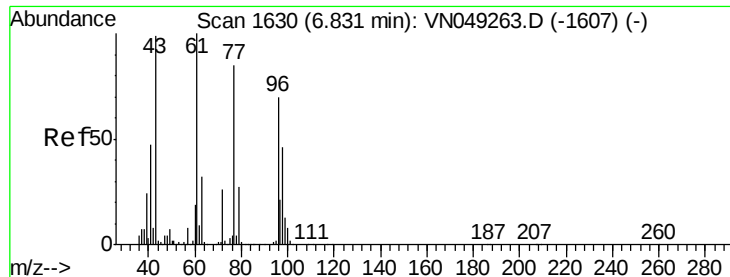
Tgt Ion: 77 Resp: 1467137

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 48.17 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 1043616

Ion Ratio Lower Upper

96 100

61 143.7 0.0 316.4

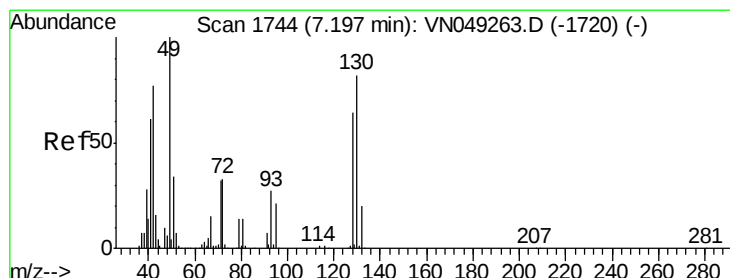
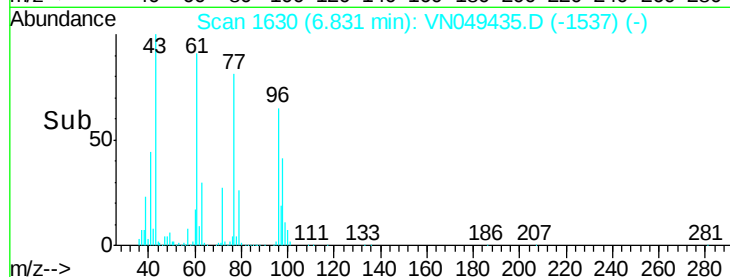
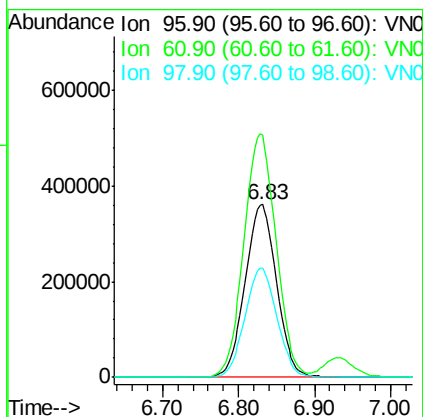
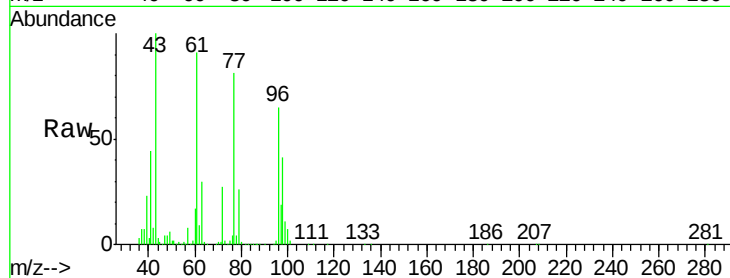
98 64.3 0.0 128.4

Manual Integrations

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#28

Bromochloromethane

Concen: 47.36 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

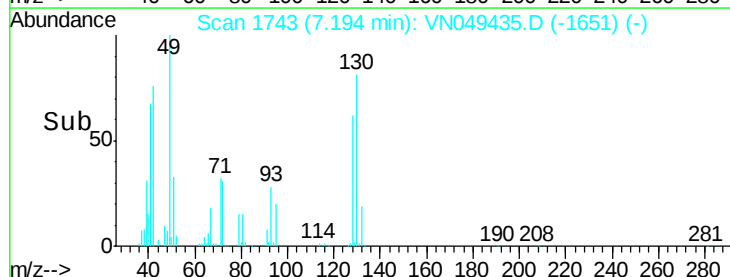
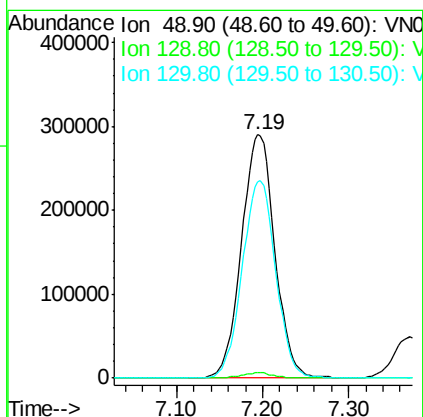
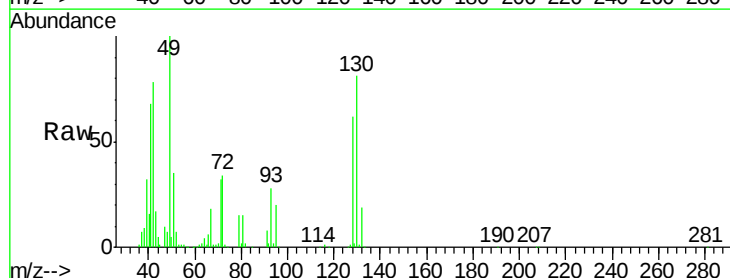
Tgt Ion: 49 Resp: 779916

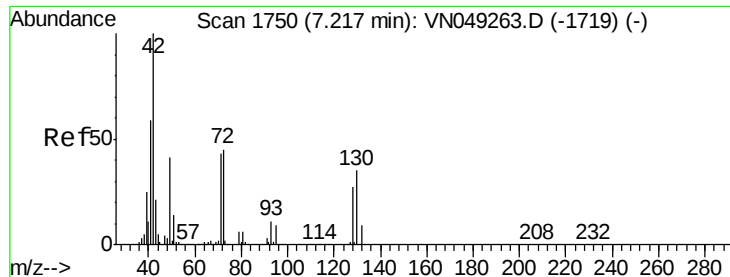
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 81.5 54.9 82.3





#29

Tetrahydrofuran

Concen: 247.75 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 42 Resp: 1107055

Ion Ratio Lower Upper

42 100

72 44.5 32.2 48.4

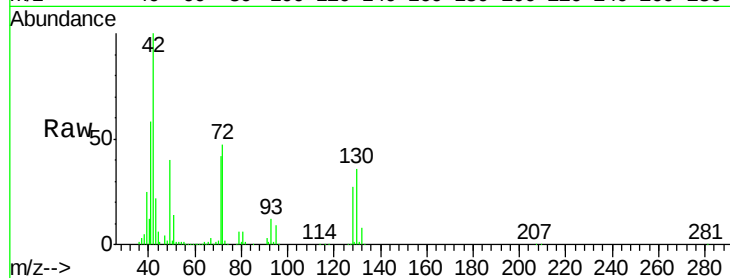
71 41.4 30.5 45.7

Manual Integrations

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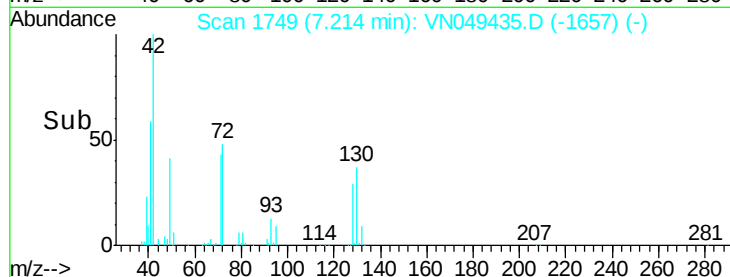


Abundance Ion 42.00 (41.70 to 42.70): VN049263.D (-1719) (-)

Ion 72.00 (71.70 to 72.70): VN049263.D (-1719) (-)

Ion 71.00 (70.70 to 71.70): VN049263.D (-1719) (-)

Time-->



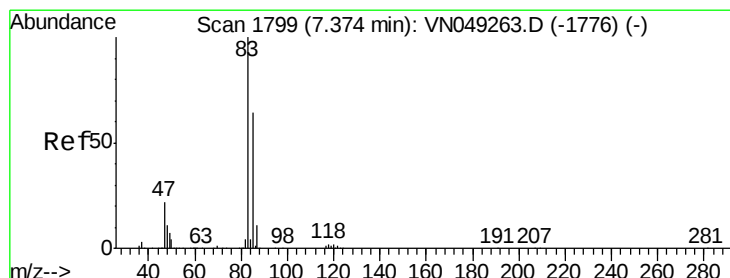
Abundance

Ion 42.00 (41.70 to 42.70): VN049435.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049435.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049435.D (-1657) (-)

Time-->



#30

Chloroform

Concen: 47.46 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049435.D

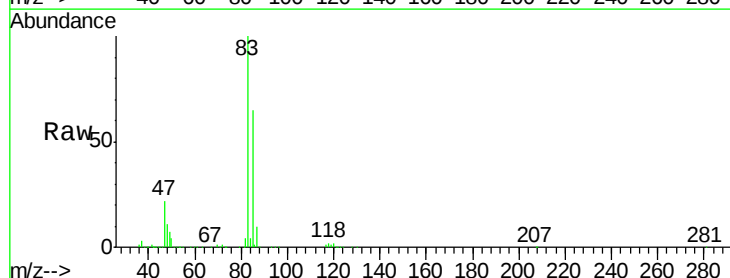
Acq: 20 Jun 2018 13:48

Tgt Ion: 83 Resp: 1754630

Ion Ratio Lower Upper

83 100

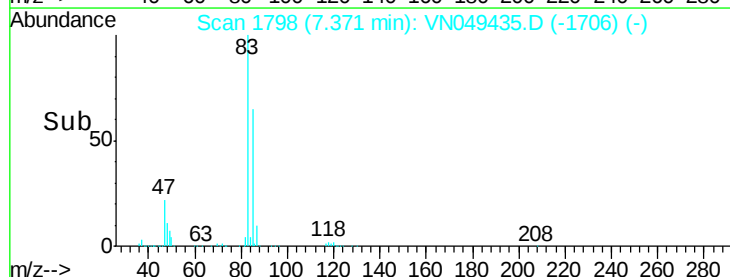
85 64.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-1776) (-)

Time-->

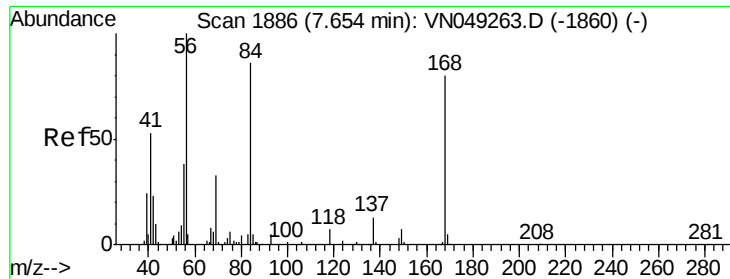


Abundance

Ion 82.90 (82.60 to 83.60): VN049435.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049435.D (-1706) (-)

Time-->



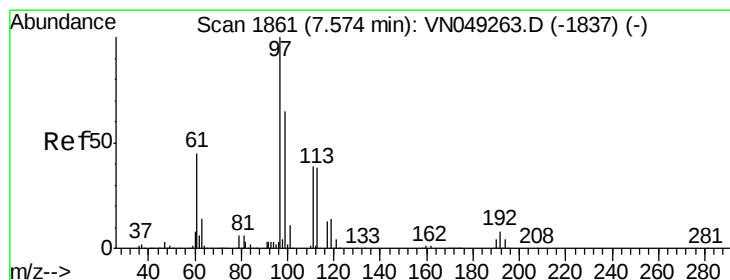
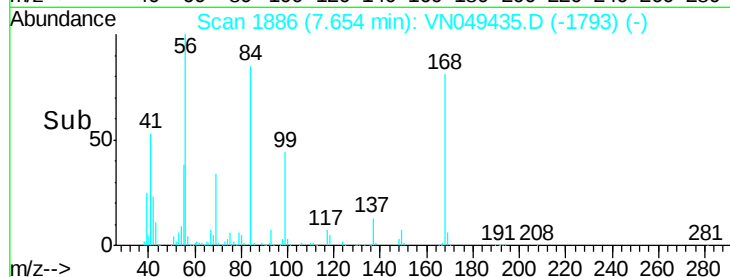
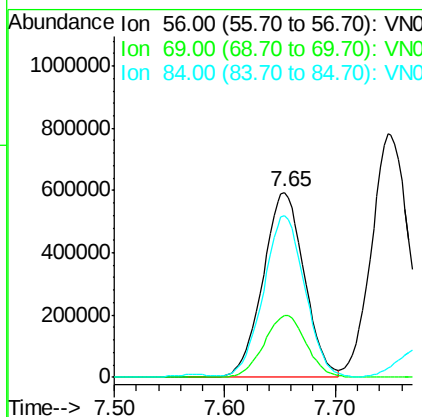
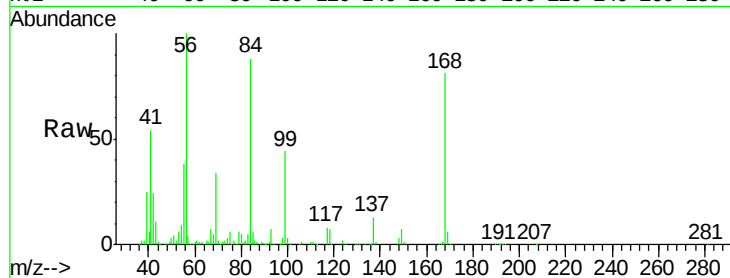
#31
Cyclohexane
Concen: 49.10 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 1546404
Ion Ratio Lower Upper
56 100
69 33.6 25.0 37.4
84 86.3 64.6 96.8

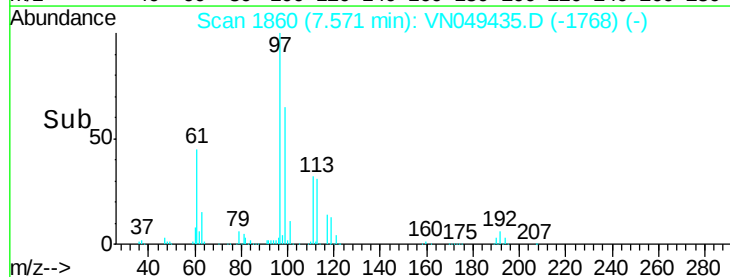
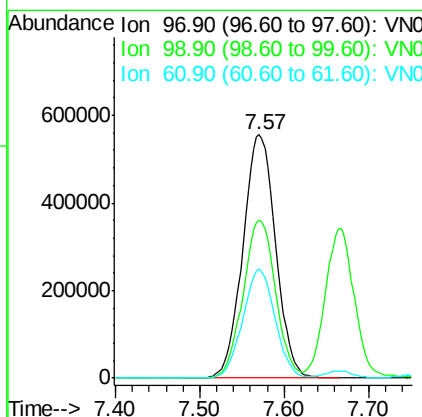
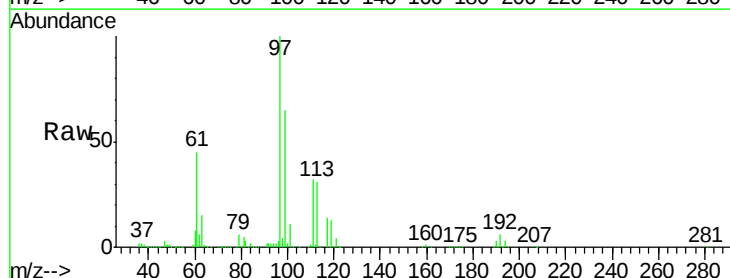
Manual Integrations
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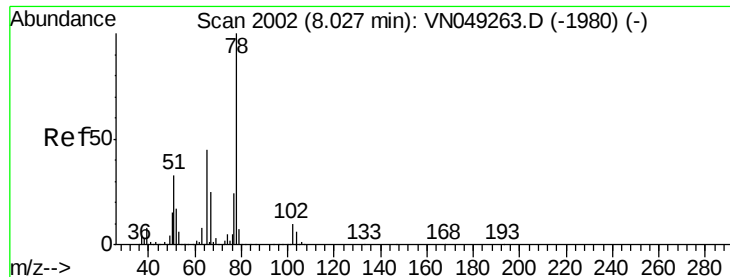
apatel
6/21/2018 12:00:25 PM



#32
1,1,1-Trichloroethane
Concen: 47.52 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 97 Resp: 1498924
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 44.2 37.9 56.9





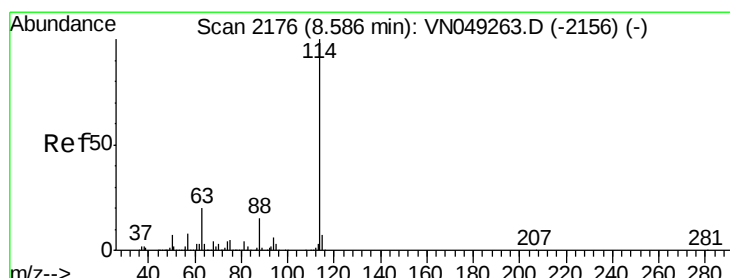
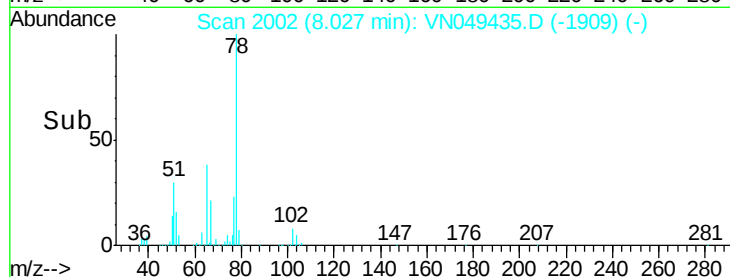
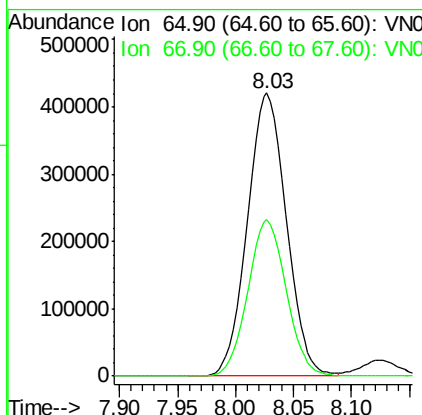
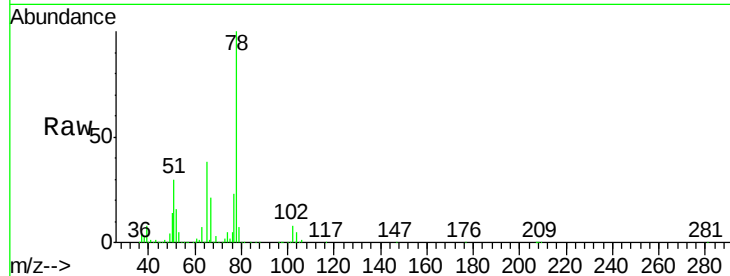
#33
 1,2-Dichloroethane-d4
 Concen: 46.27 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	103.8

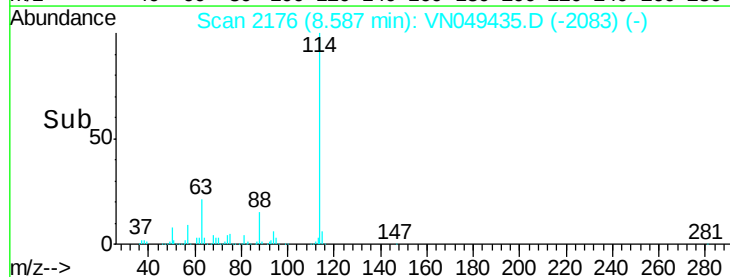
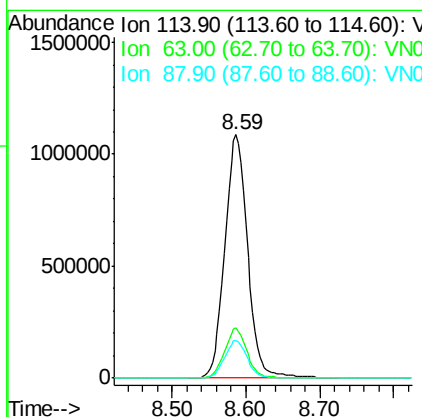
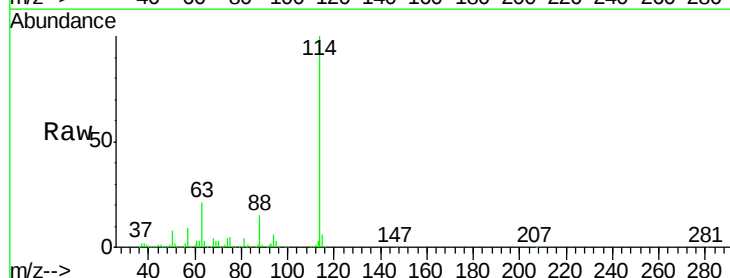
Manual Integrations
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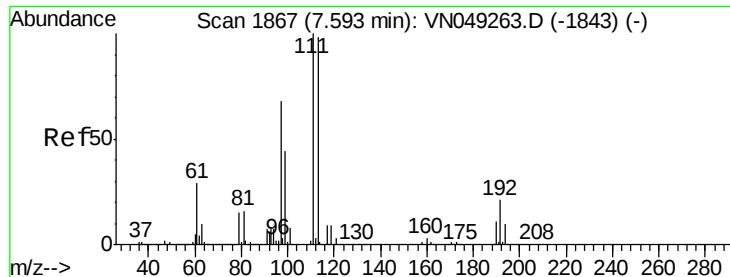
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.4
88	15.4	0.0	31.4





#35

Dibromofluoromethane

Concen: 47.32 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

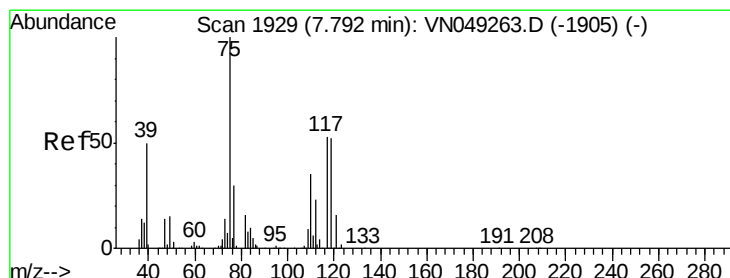
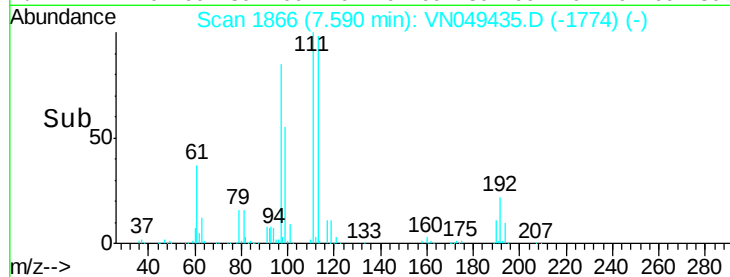
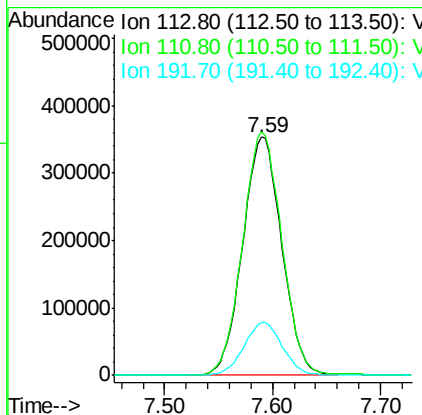
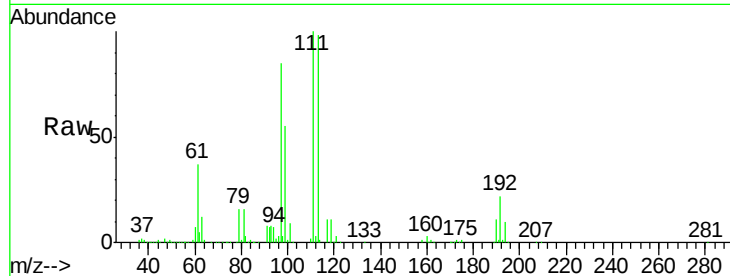
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	892382
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	21.9	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 51.08 ug/l

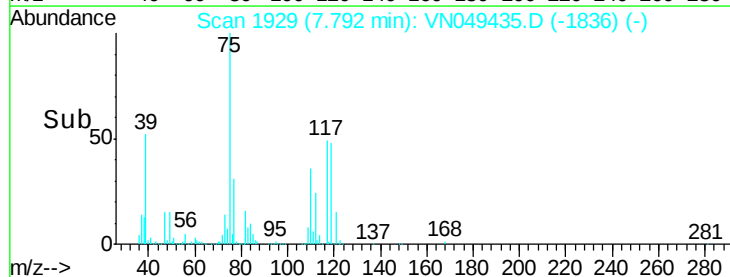
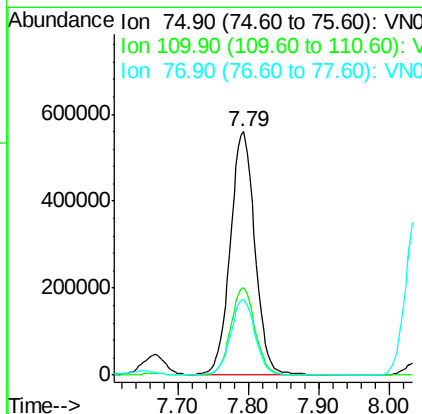
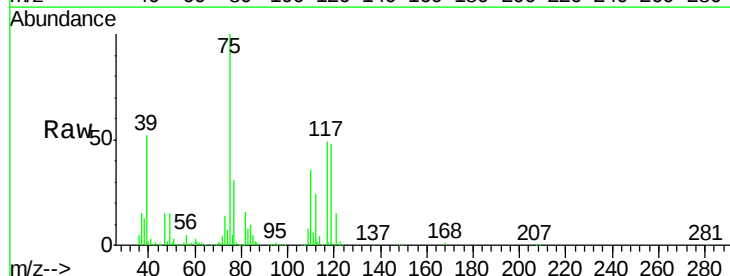
RT: 7.79 min Scan# 1929

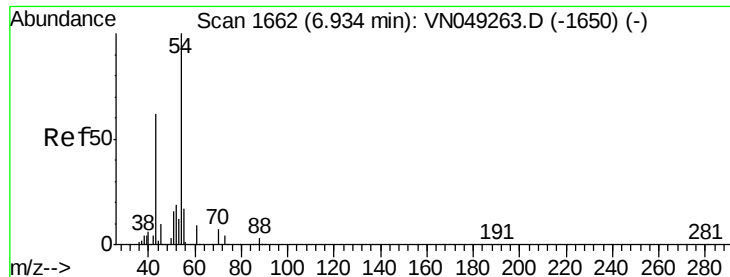
Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion:	75	Resp:	1364834
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.0	50.9
77	30.9	24.4	36.6





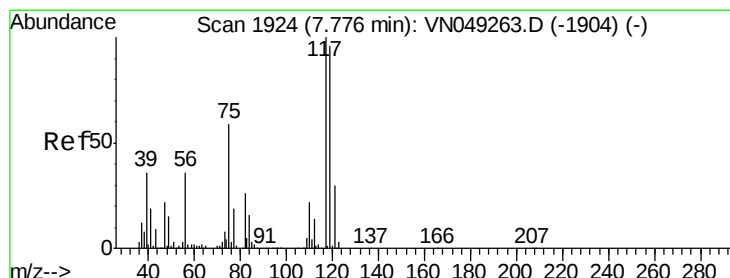
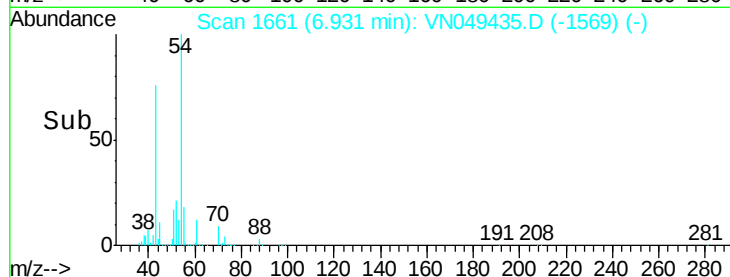
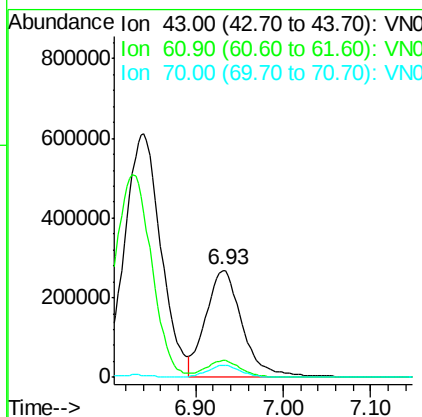
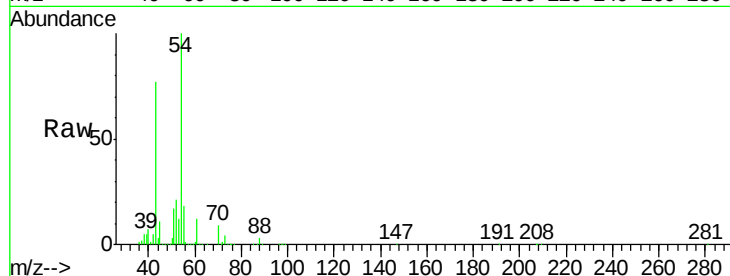
#37
Ethyl Acetate
Concen: 52.62 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	10.2	7.2	10.8

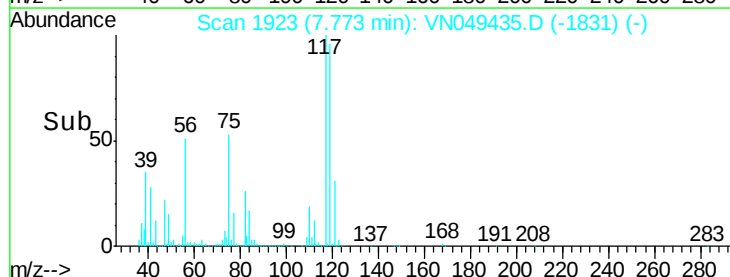
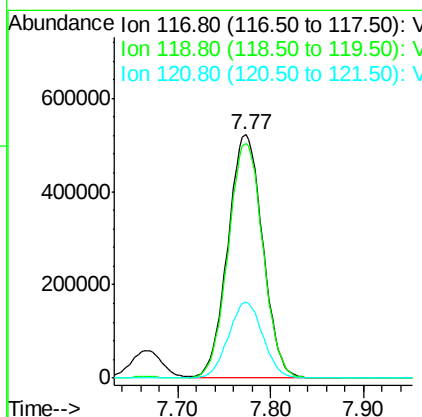
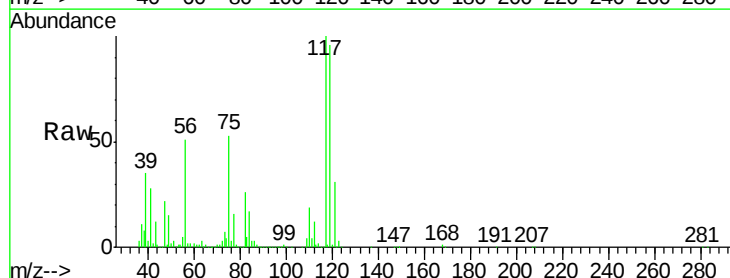
Manual Integrations
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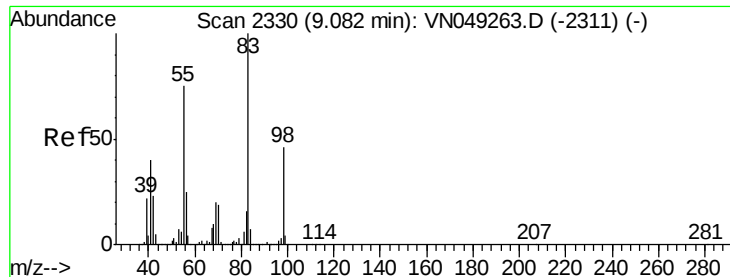
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#38
Carbon Tetrachloride
Concen: 49.08 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.6	113.4
121	31.0	24.7	37.1





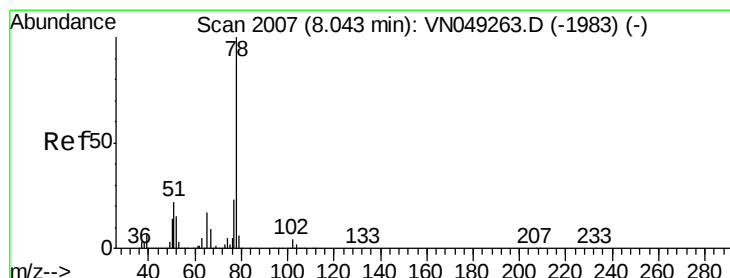
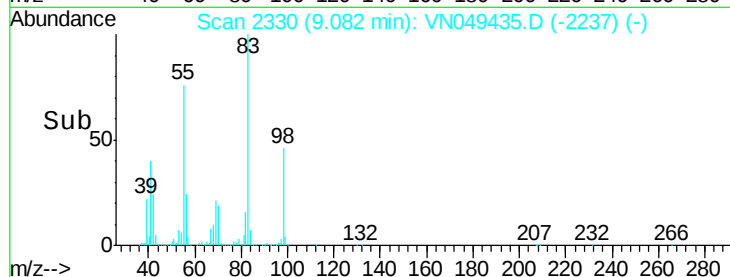
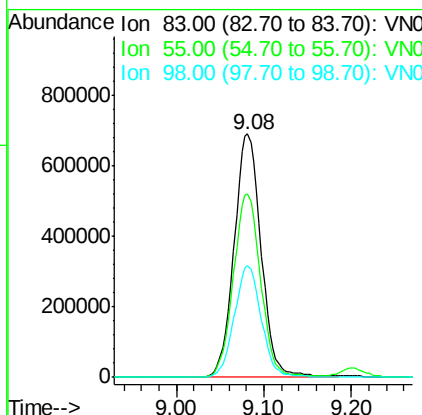
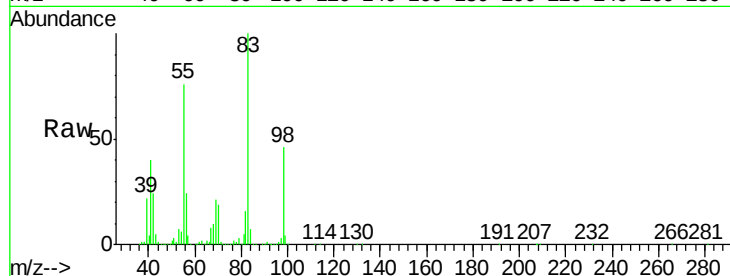
#39
Methvlcvclohexane
Concen: 51.54 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	65.1	97.7
98	45.8	36.5	54.7

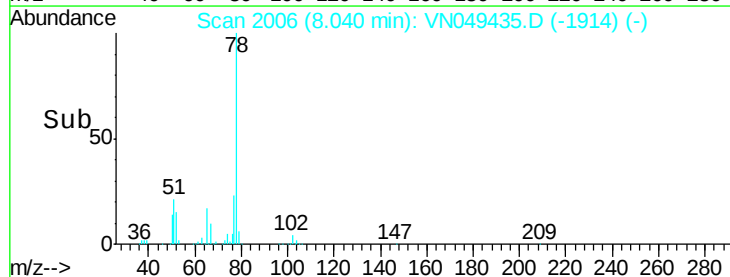
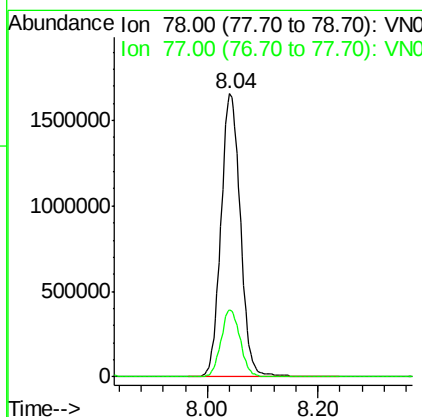
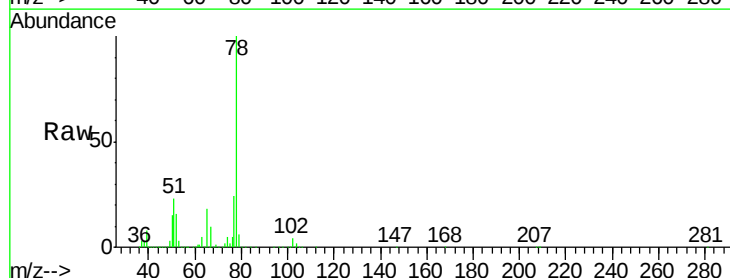
Manual Integrations
APPROVED

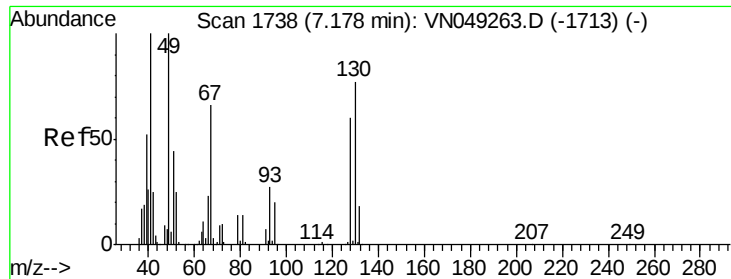
apatel
6/21/2018 12:00:25 PM



#40
Benzene
Concen: 49.16 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





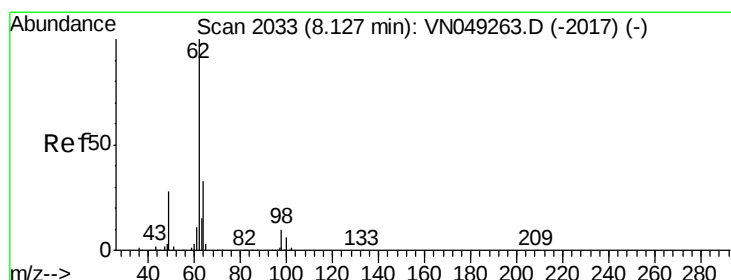
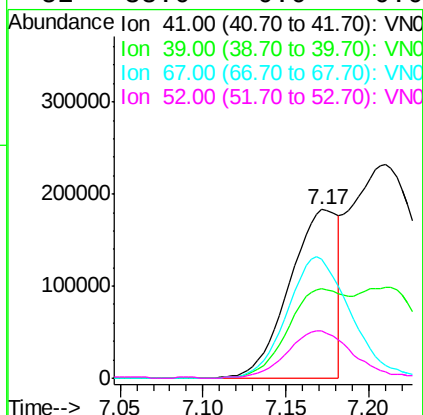
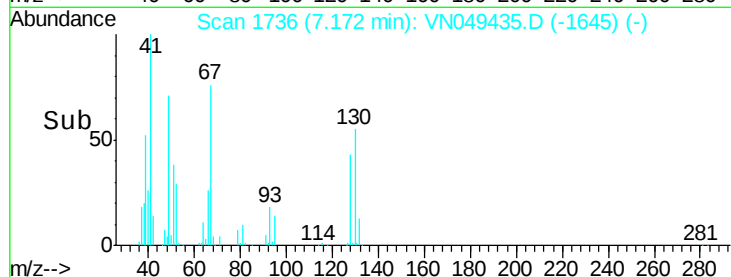
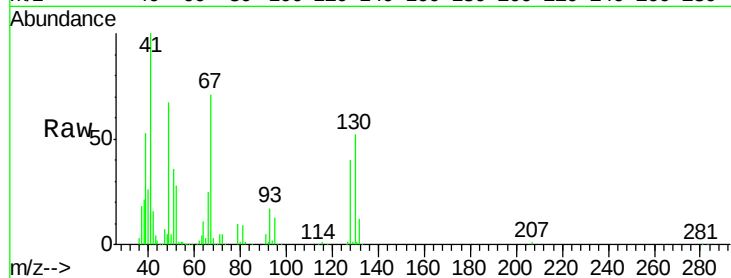
#41
Methacrylonitrile
Concen: 46.95 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	0.0	0.0#
67	95.6	0.0	0.0#
52	38.0	0.0	0.0#

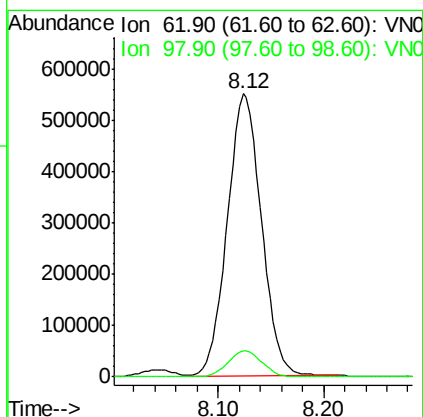
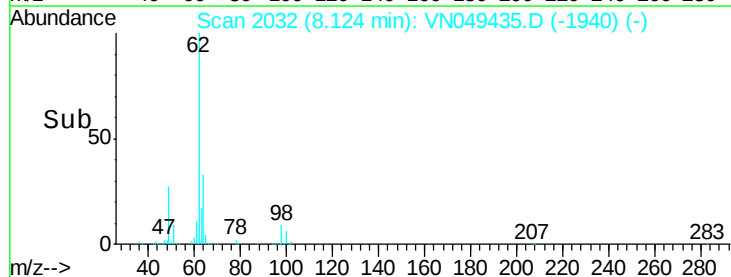
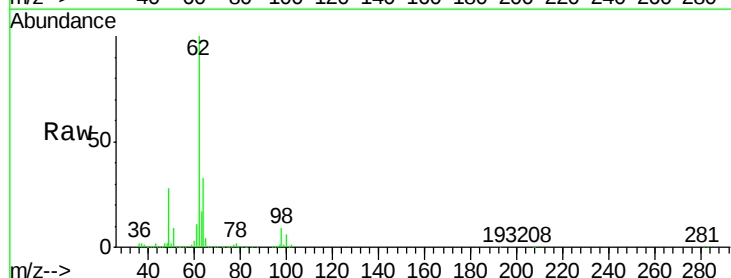
Manual Integrations
APPROVED

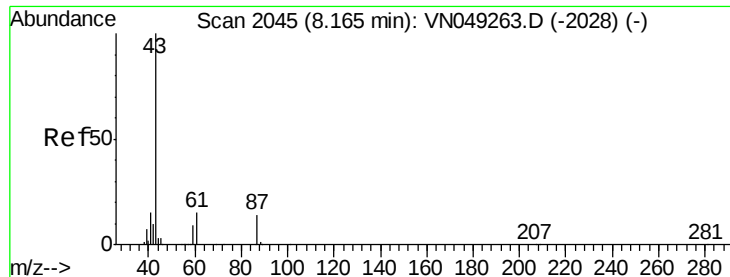
apatel
6/21/2018 12:00:25 PM



#42
1,2-Dichloroethane
Concen: 48.76 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 53.06 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1472603

Ion Ratio Lower Upper

43 100

61 18.4 14.2 21.4

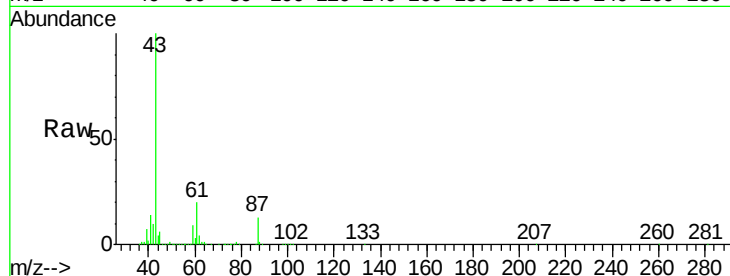
87 12.6 9.4 14.0

Manual Integrations

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apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN049435.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049435.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049435.D (-1952) (-)

8.17

600000

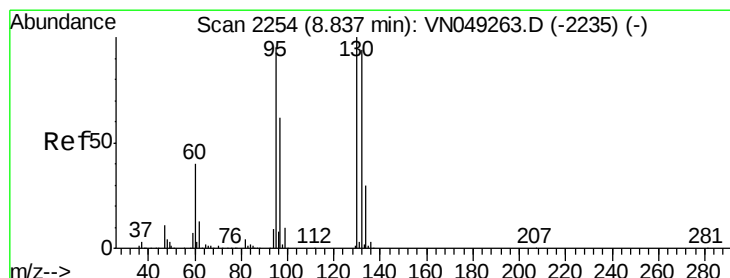
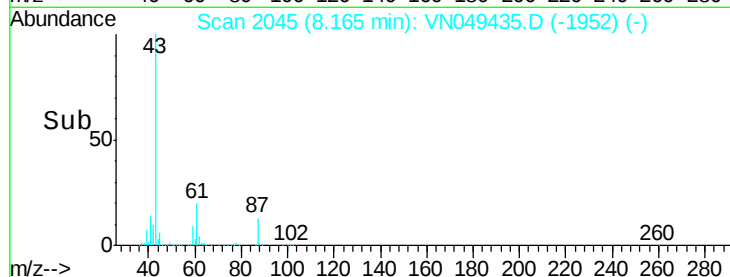
400000

200000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.58 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049435.D

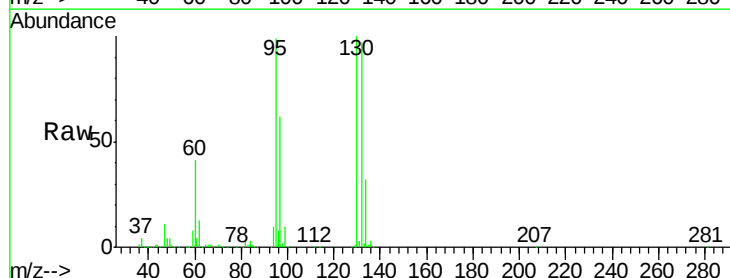
Acq: 20 Jun 2018 13:48

Tgt Ion:130 Resp: 1072485

Ion Ratio Lower Upper

130 100

95 98.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049435.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049435.D (-2161) (-)

600000

500000

400000

300000

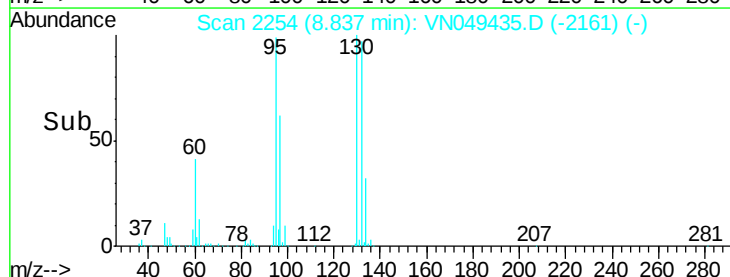
200000

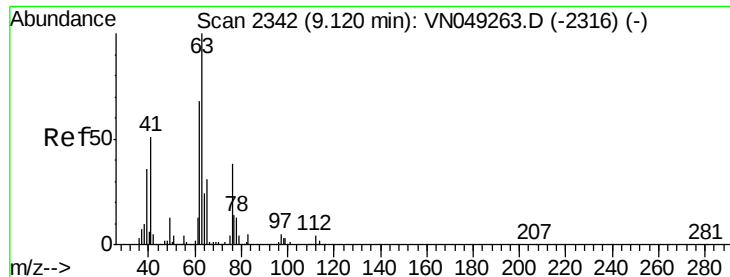
100000

0

8.70 8.80 8.90

Time-->





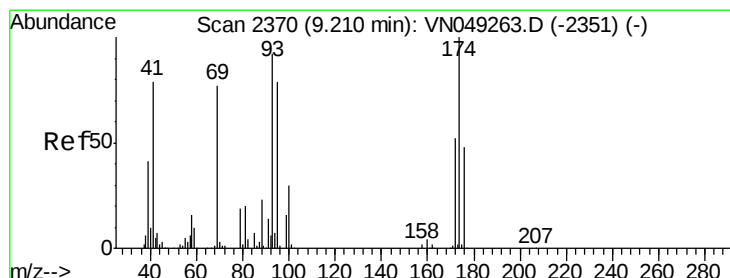
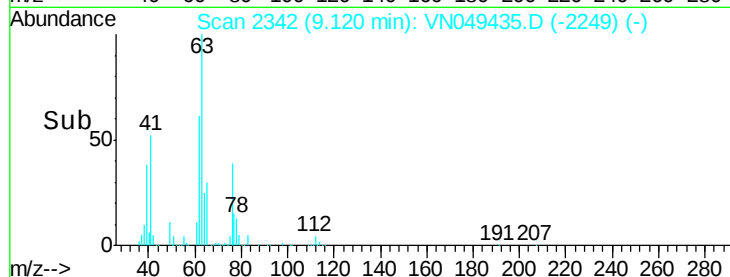
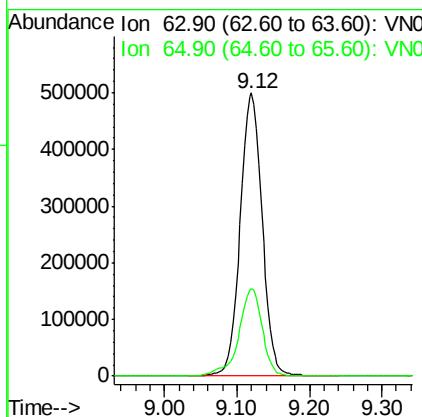
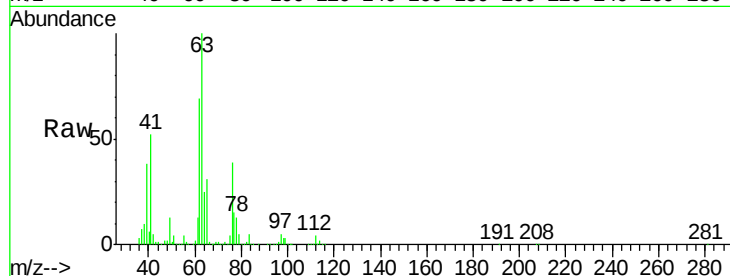
#45
 1,2-Dichloropropane
 Concen: 49.23 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 1055791
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2

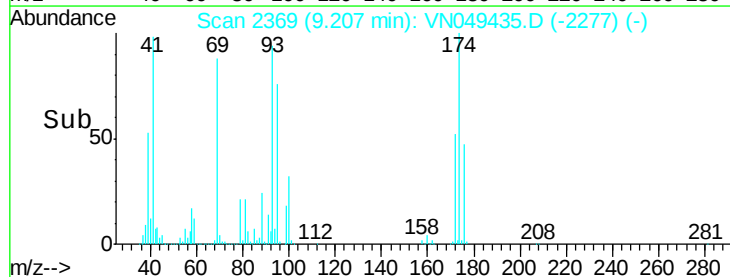
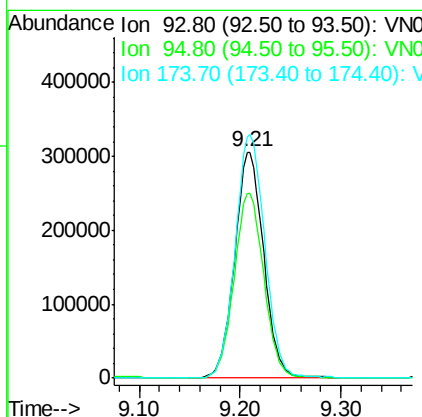
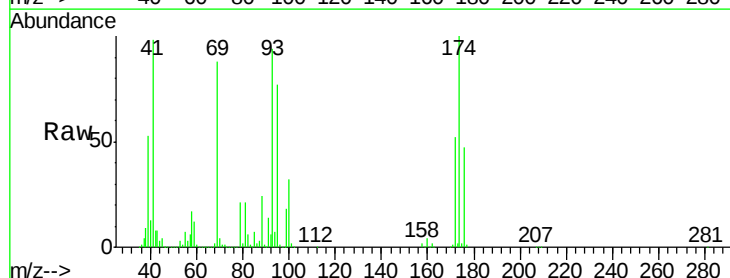
Manual Integrations
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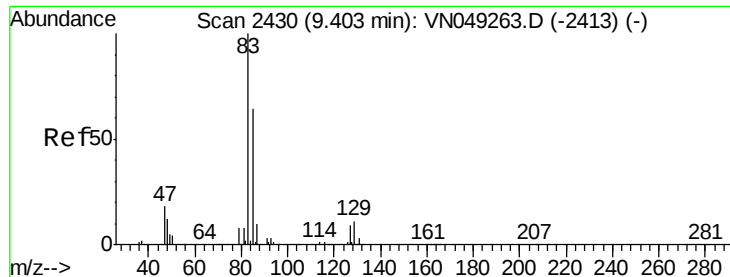
apatel
 6/21/2018 12:00:25 PM



#46
 Dibromomethane
 Concen: 49.07 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 93 Resp: 610242
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 109.8 75.6 113.4





#47

Bromodichloromethane

Concen: 49.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1344173

Ion Ratio Lower Upper

83 100

85 64.1 49.4 74.0

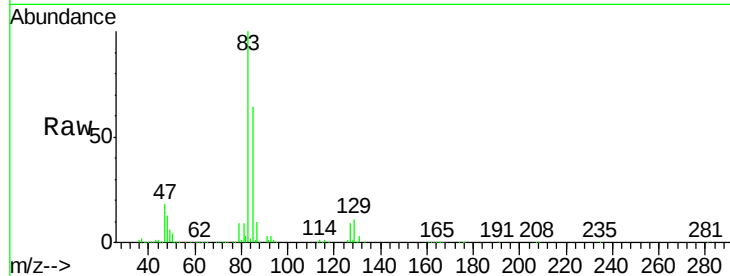
127 8.7 6.3 9.5

Manual Integrations

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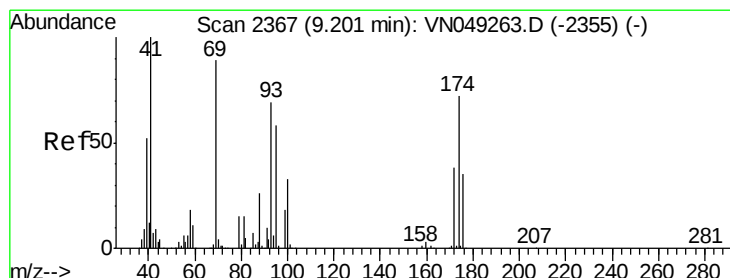
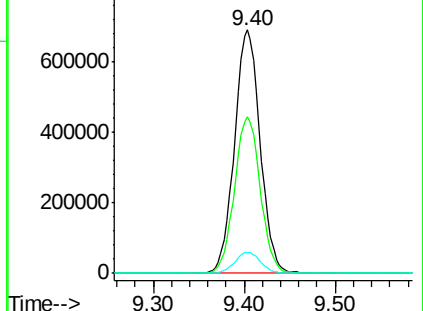
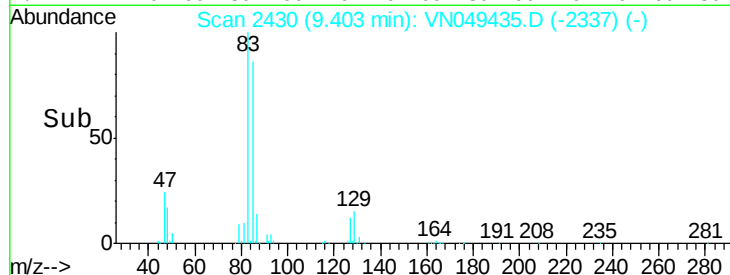


Abundance Ion 82.90 (82.60 to 83.60): VN049435.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049435.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049435.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 51.53 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

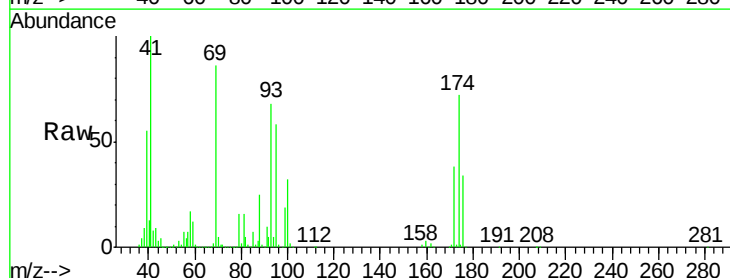
Tgt Ion: 41 Resp: 673426

Ion Ratio Lower Upper

41 100

69 91.8 62.0 93.0

39 56.4 50.6 75.8

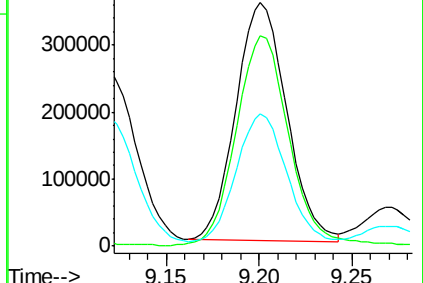
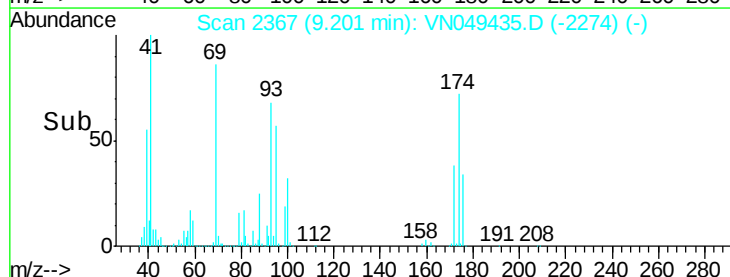


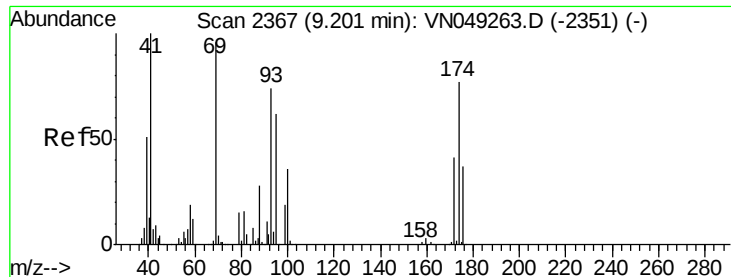
Abundance Ion 41.00 (40.70 to 41.70): VN049435.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049435.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049435.D (-2274) (-)

Time-->





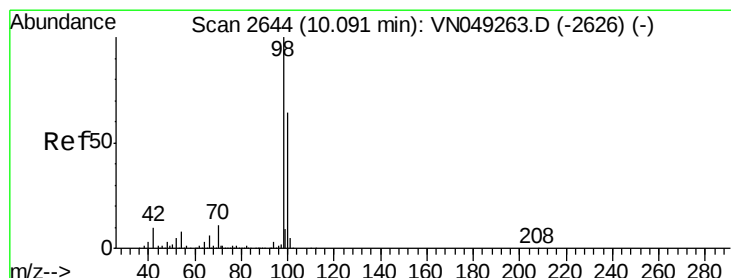
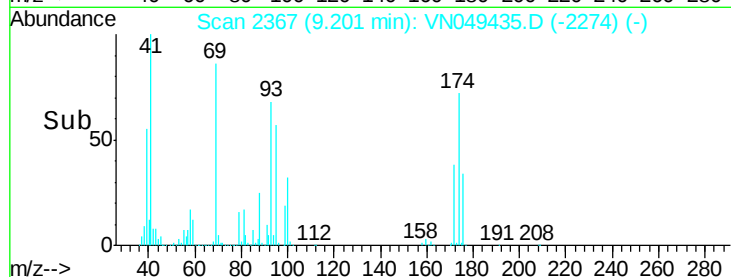
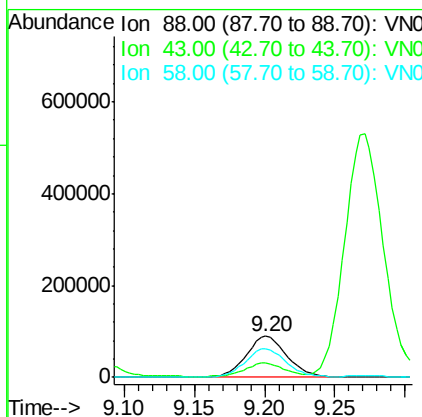
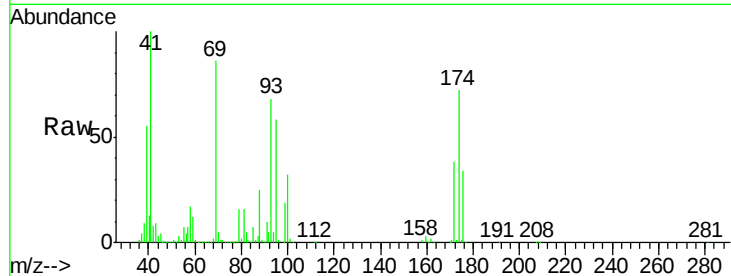
#49
1,4-Dioxane
Concen: 1004.34 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	30.9	46.3
58	70.0	58.9	88.3

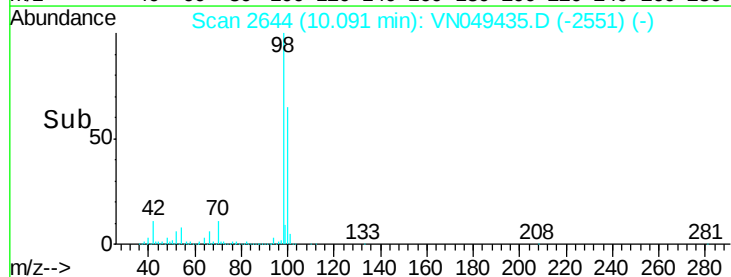
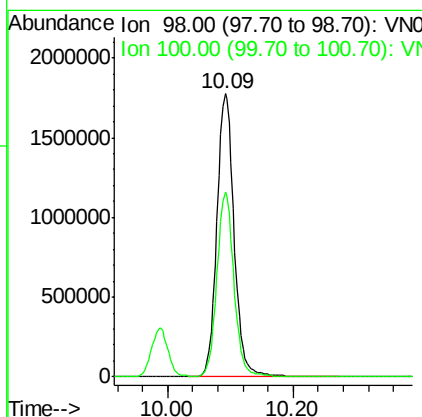
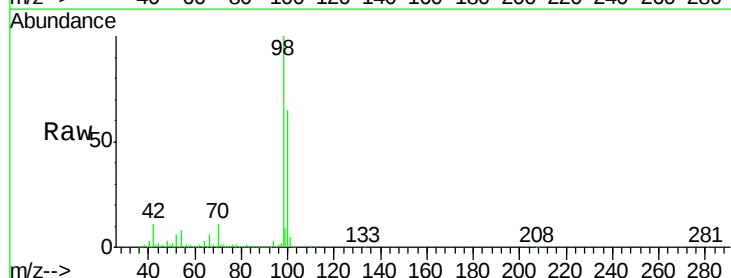
Manual Integrations
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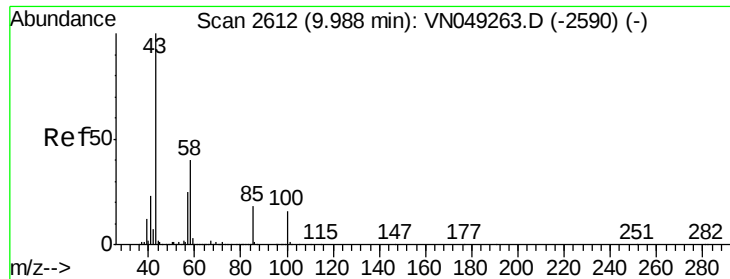
apatel
6/21/2018 12:00:25 PM



#50
Toluene-d8
Concen: 47.17 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	49.8	74.8





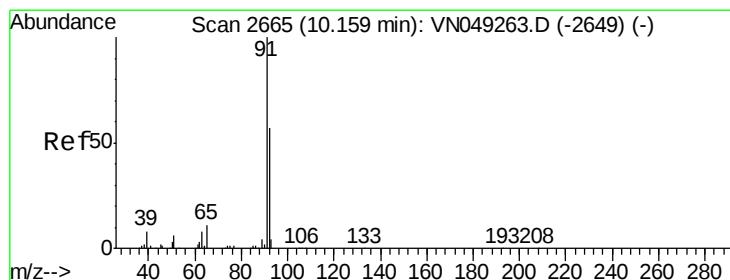
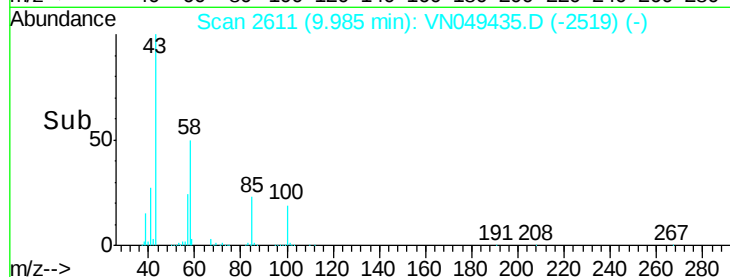
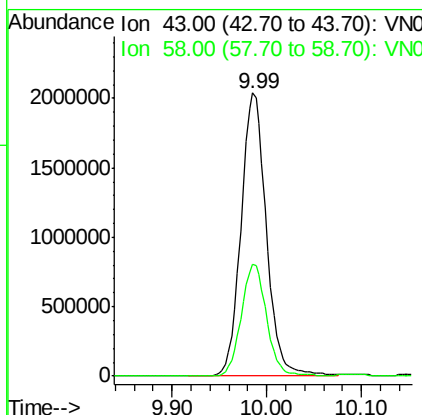
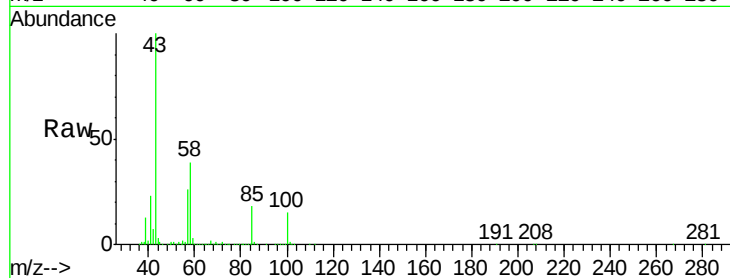
#51
4-Methyl-2-Pentanone
Concen: 260.36 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3786861
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

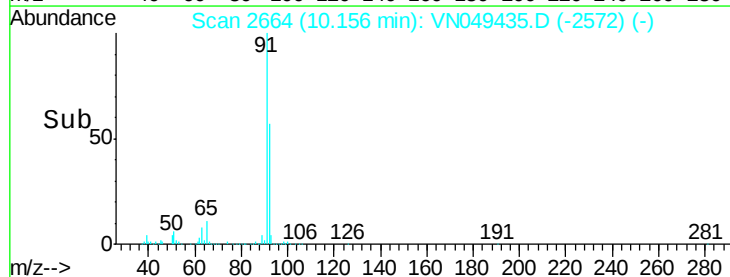
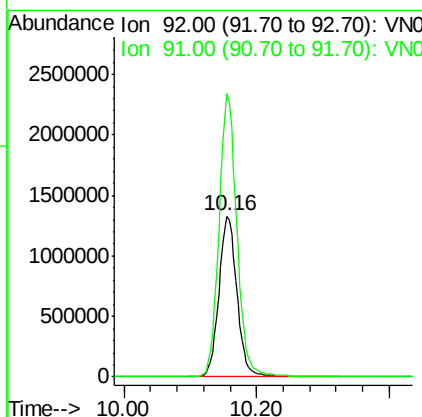
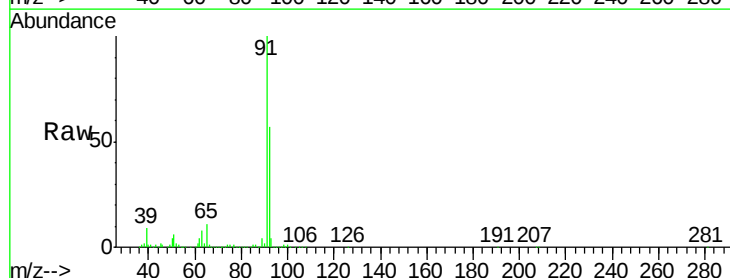
Manual Integrations
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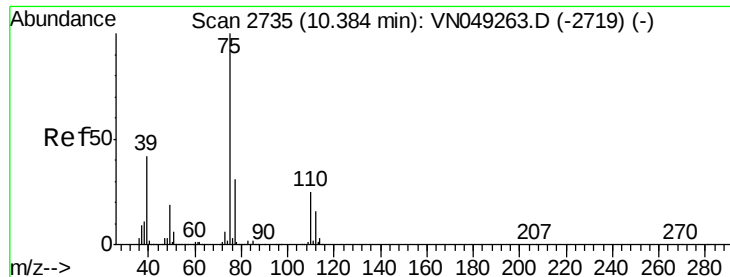
apatel
6/21/2018 12:00:25 PM



#52
Toluene
Concen: 51.85 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 92 Resp: 2492607
Ion Ratio Lower Upper
92 100
91 175.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 52.22 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1365193

Ion Ratio Lower Upper

75 100

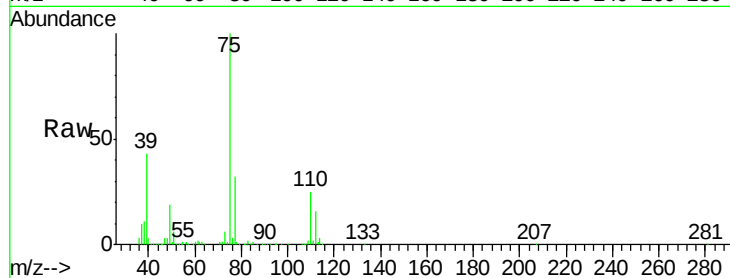
77 32.3 25.2 37.8

Manual Integrations

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apatel

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

800000

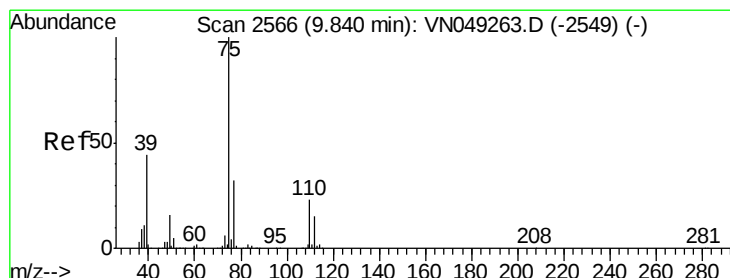
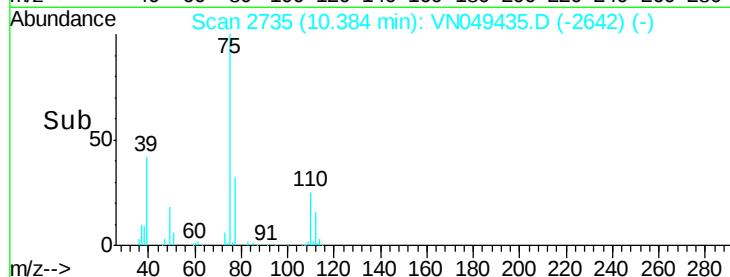
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.10 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

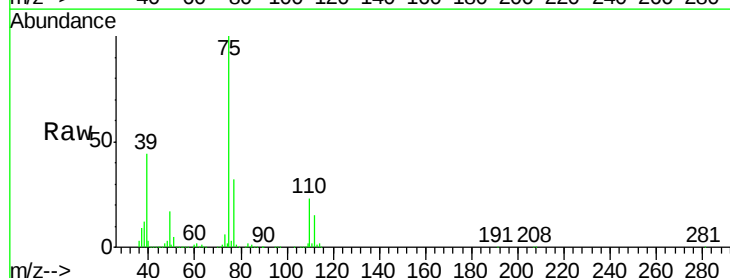
Tgt Ion: 75 Resp: 1577479

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 44.3 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1000000

800000

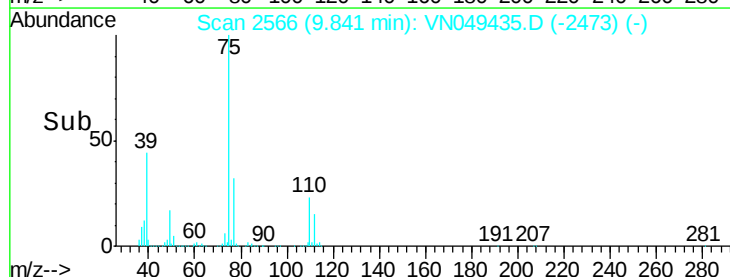
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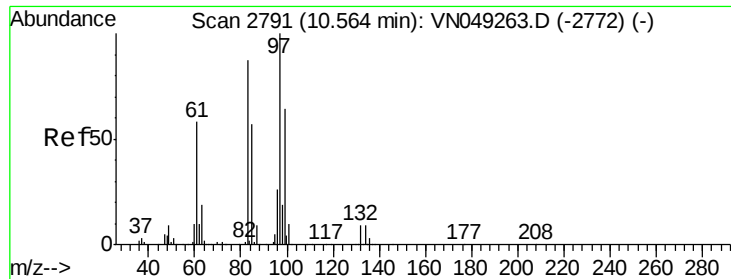
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200000

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Time-->





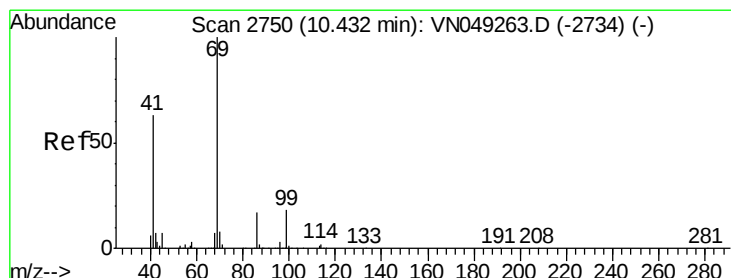
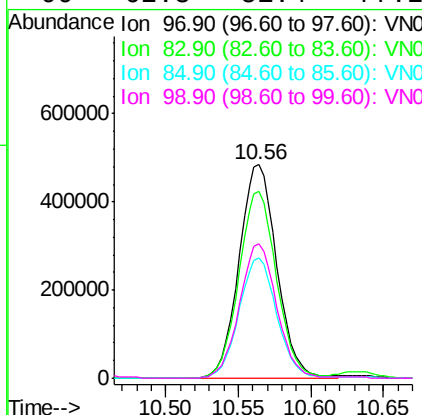
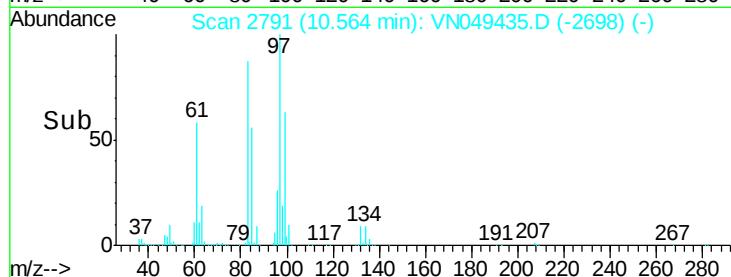
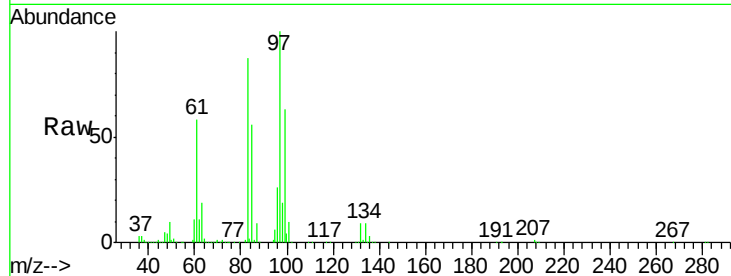
#55
 1,1,2-Trichloroethane
 Concen: 48.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.5	107.3
85	56.0	47.0	70.4
99	62.8	51.4	77.2

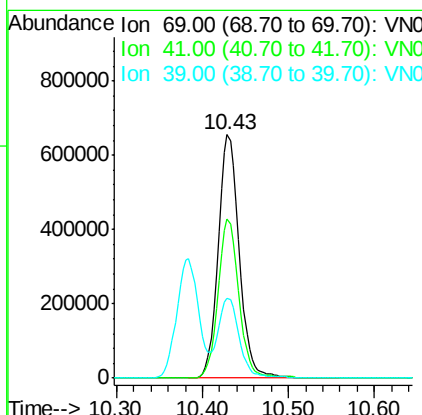
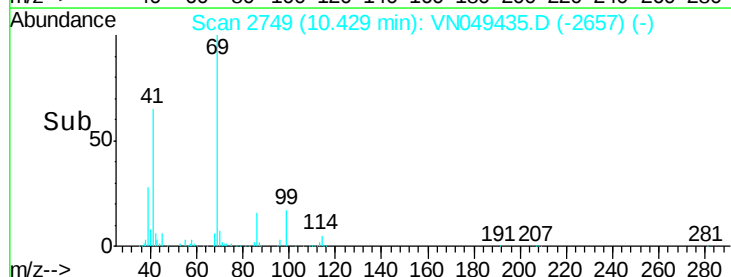
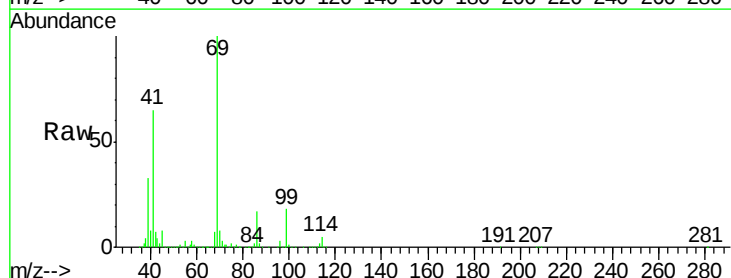
Manual Integrations
 APPROVED

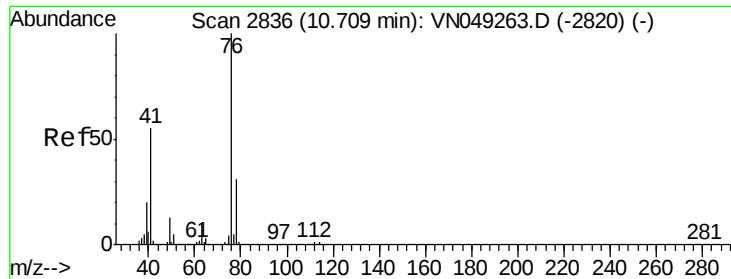
apatel
 6/21/2018 12:00:25 PM



#56
 Ethyl methacrylate
 Concen: 54.07 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.8	58.4	87.6
39	32.6	35.5	53.3#





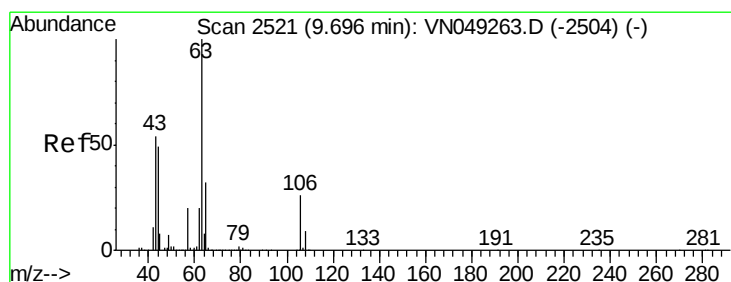
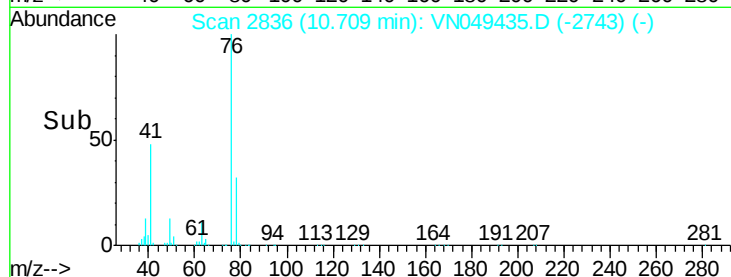
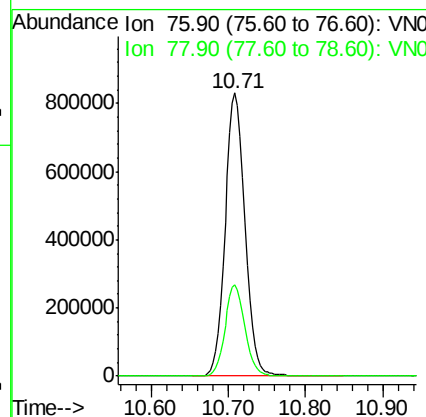
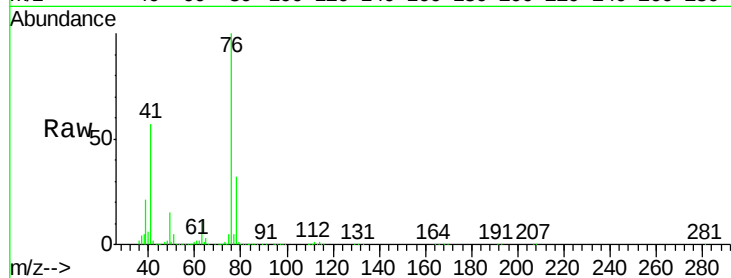
#57
 1,3-Dichloropropane
 Concen: 50.00 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1484395
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5

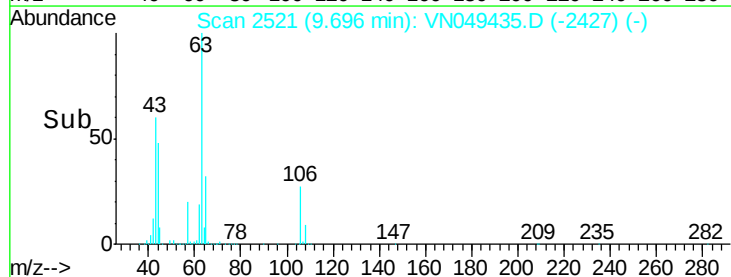
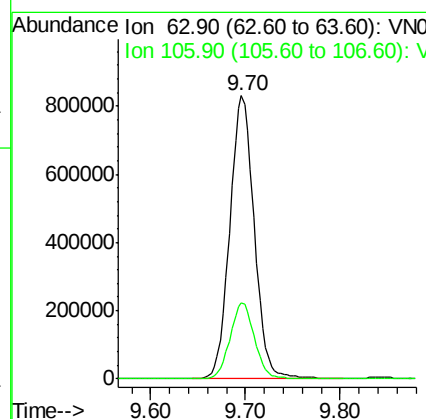
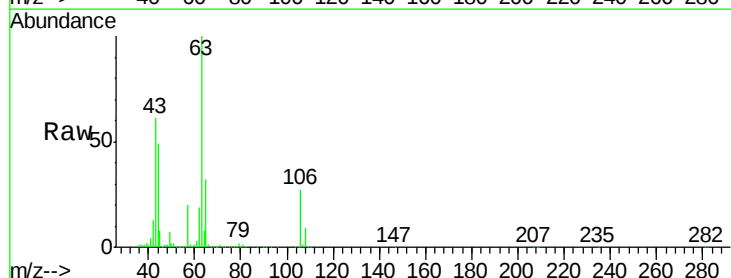
Manual Integrations
 APPROVED

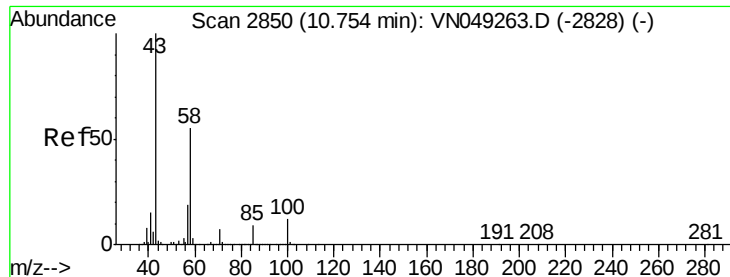
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#58
 2-Chloroethyl Vinyl ether
 Concen: 204.83 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 63 Resp: 1493758
 Ion Ratio Lower Upper
 63 100
 106 26.9 19.4 29.2





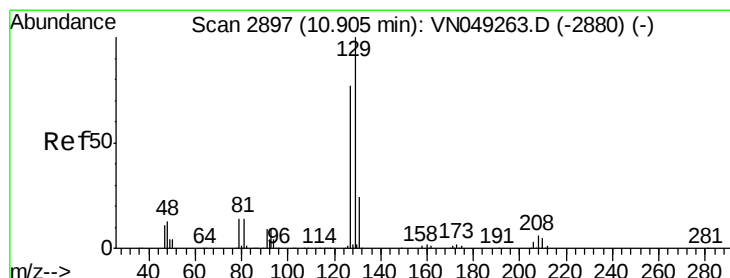
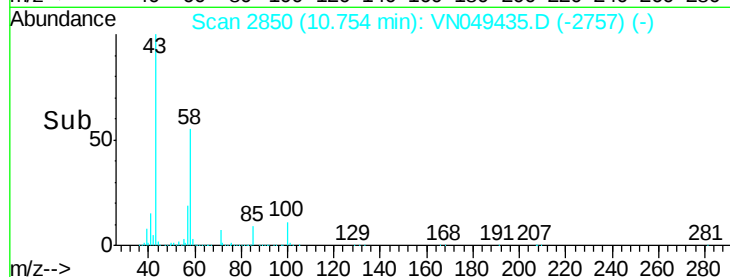
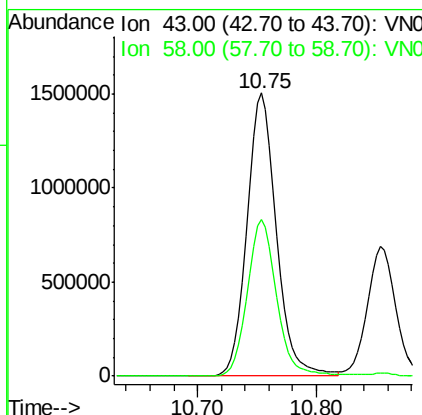
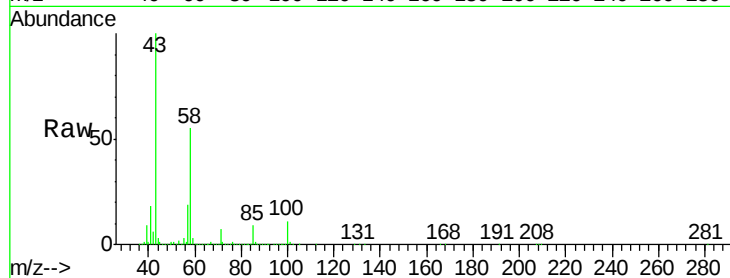
#59
2-Hexanone
Concen: 273.81 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2567522
Ion Ratio Lower Upper
43 100
58 55.3 25.2 75.6

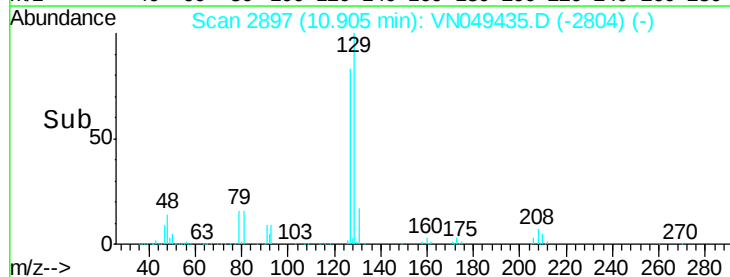
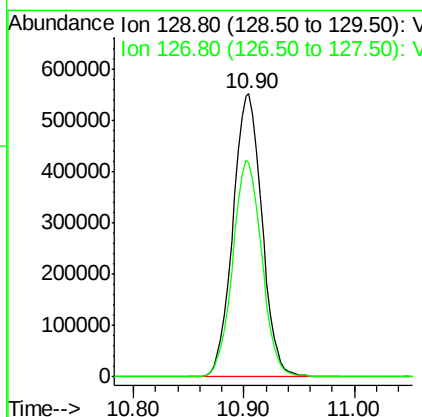
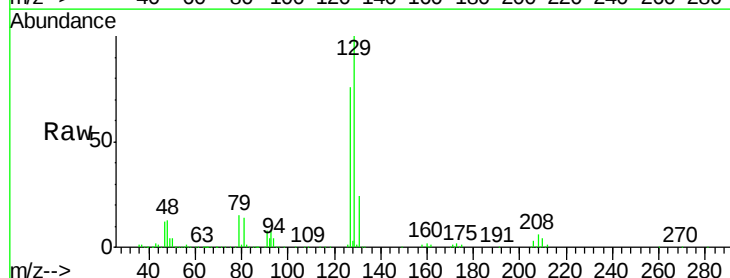
Manual Integrations
APPROVED

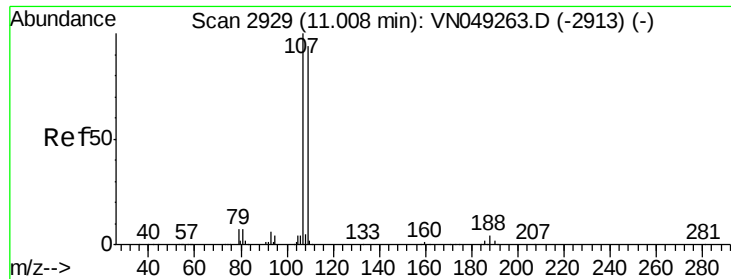
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#60
Dibromochloromethane
Concen: 50.36 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion: 129 Resp: 1007409
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





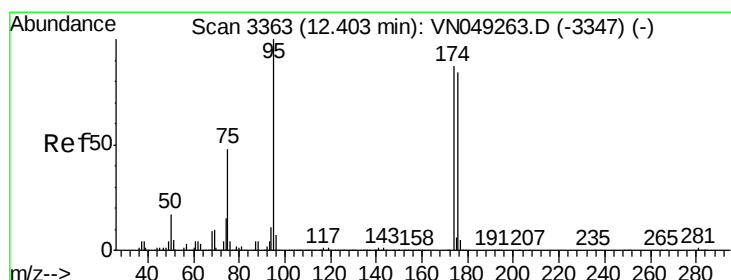
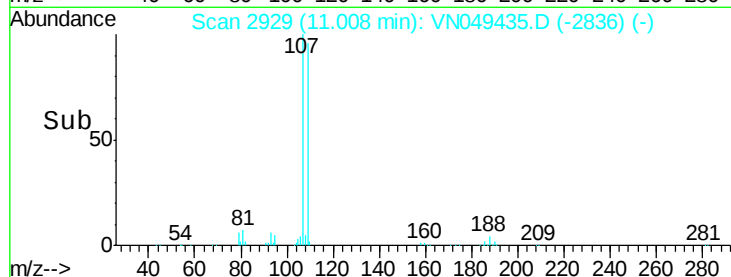
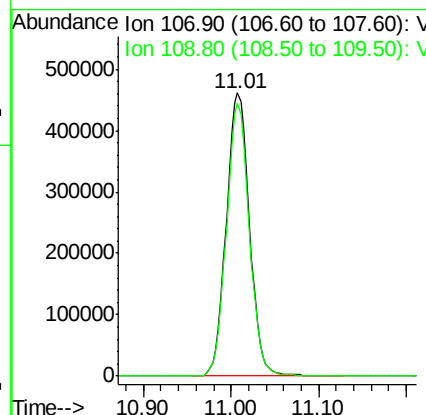
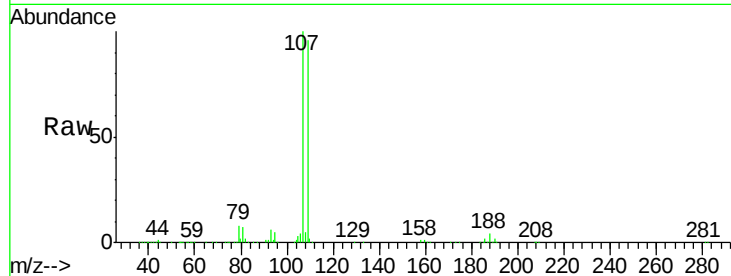
#61
 1,2-Dibromoethane
 Concen: 50.92 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 848276
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.2

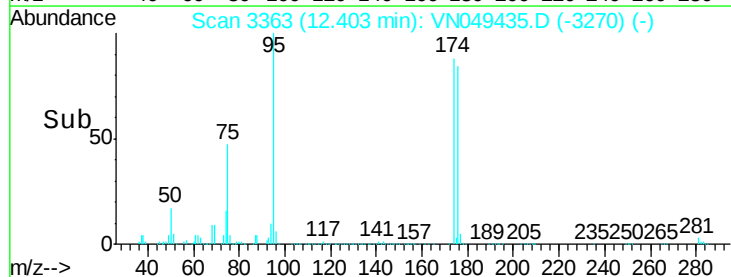
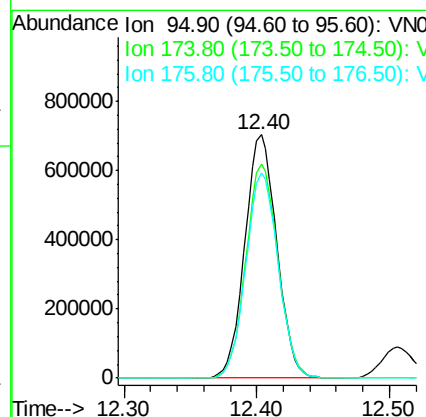
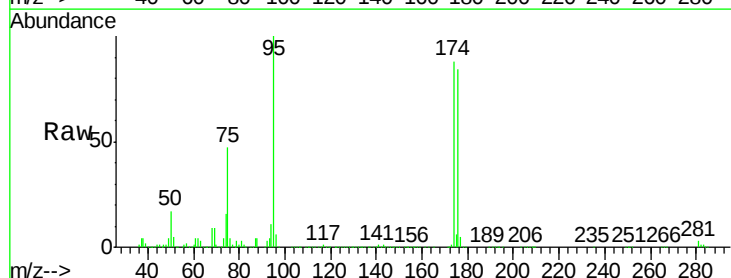
Manual Integrations
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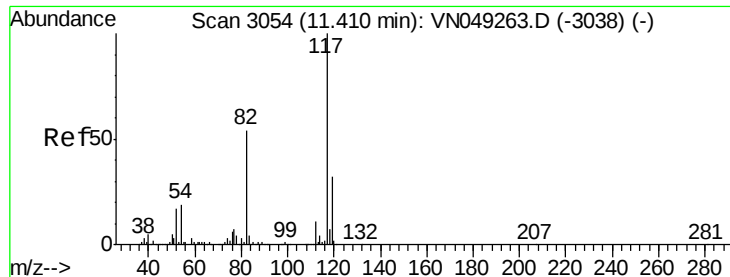
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#62
 4-Bromofluorobenzene
 Concen: 49.60 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion: 95 Resp: 1177701
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 165.6
 176 85.6 0.0 157.4





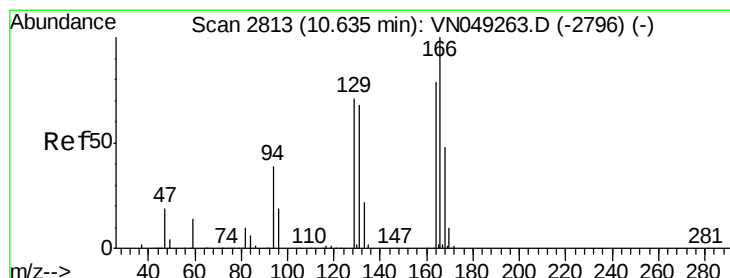
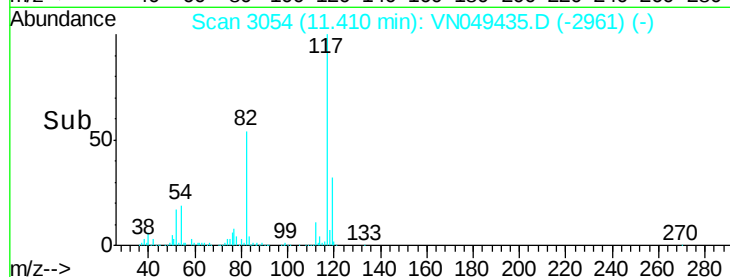
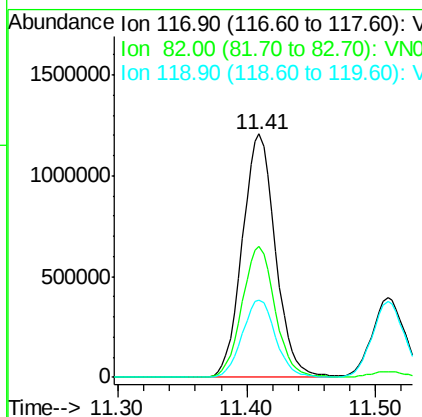
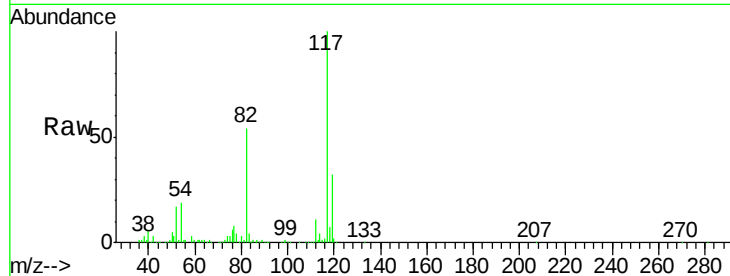
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 2161959
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 31.9 25.5 38.3

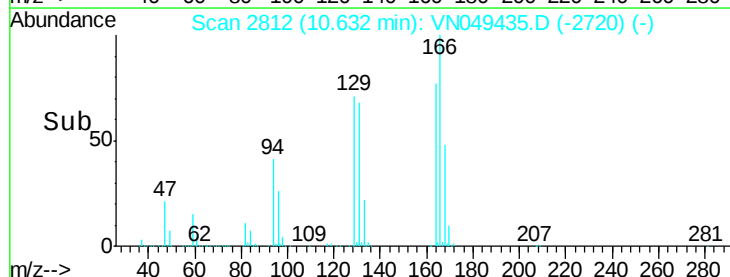
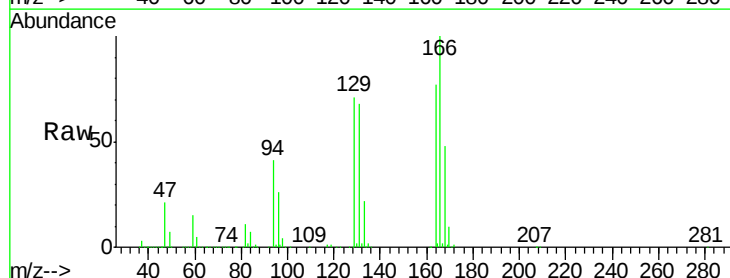
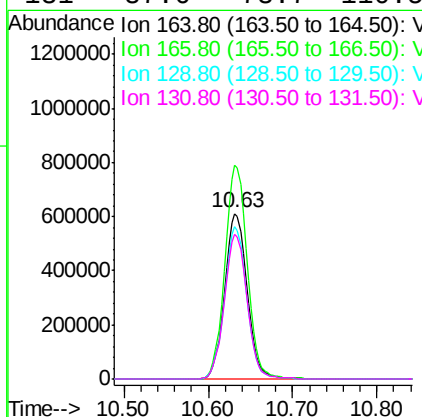
Manual Integrations
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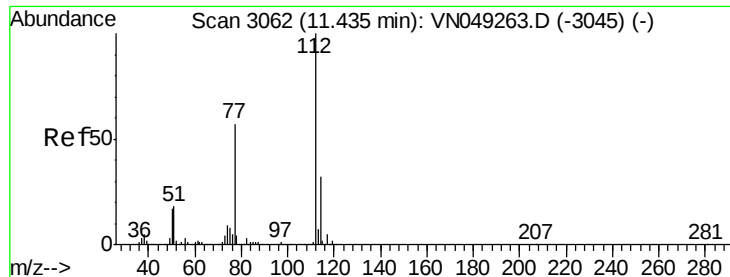
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#64
Tetrachloroethene
Concen: 51.10 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion:164 Resp: 1132001
Ion Ratio Lower Upper
164 100
166 129.2 101.4 152.2
129 91.9 74.1 111.1
131 87.6 73.7 110.5





#65

Chlorobenzene

Concen: 48.78 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2716874

Ion Ratio Lower Upper

112 100

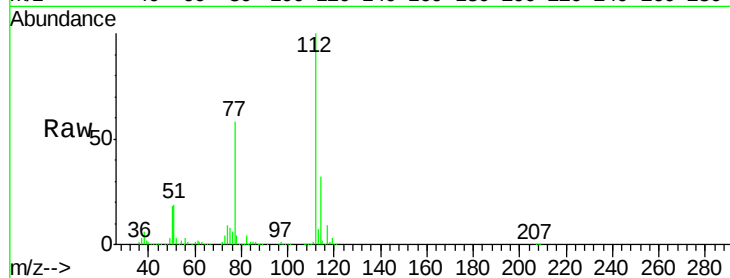
114 31.5 26.2 39.4

Manual Integrations

APPROVED

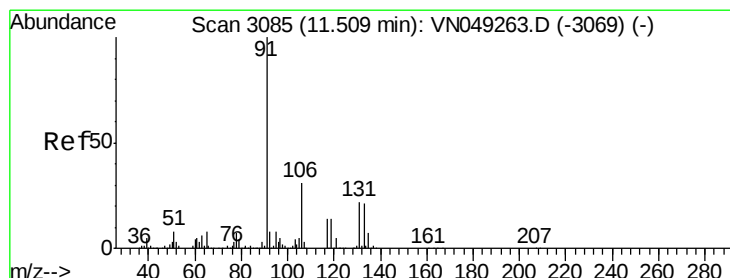
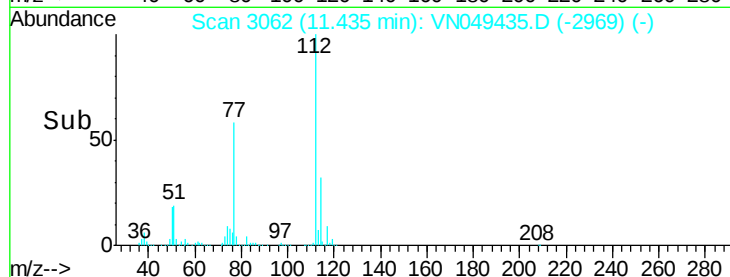
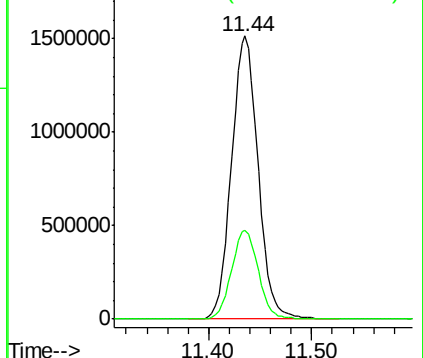
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.19 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

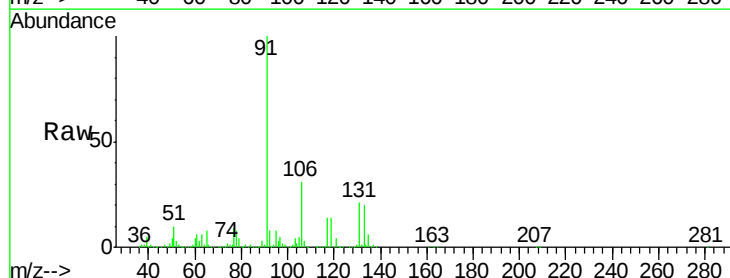
Tgt Ion:131 Resp: 1009969

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

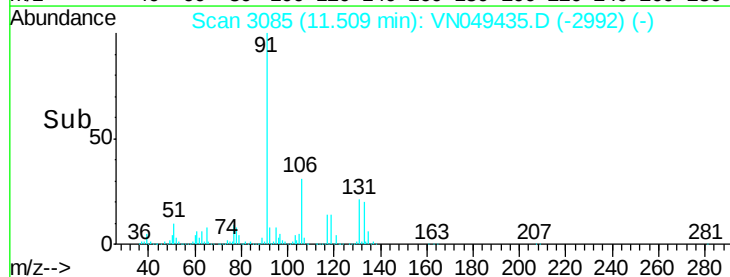
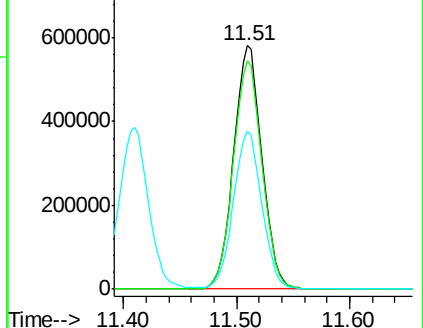
119 65.4 33.6 100.8

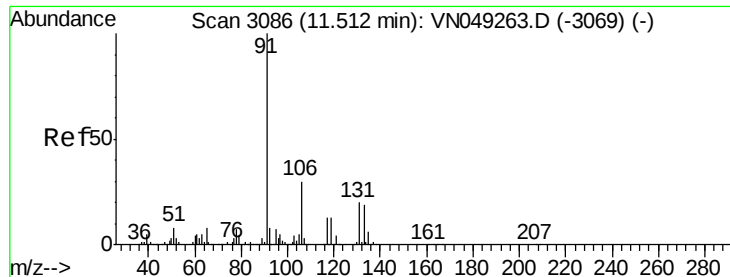


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.66 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 4772091

Ion Ratio Lower Upper

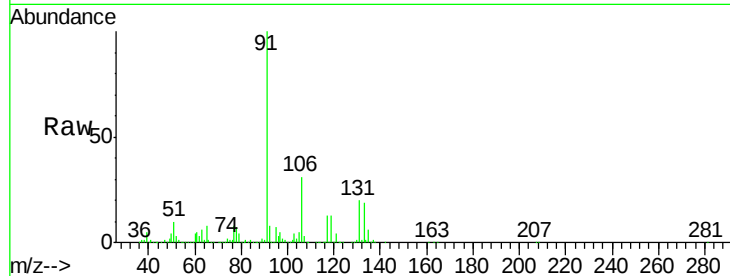
91 100

106 30.8 23.9 35.9

Manual Integrations
APPROVED

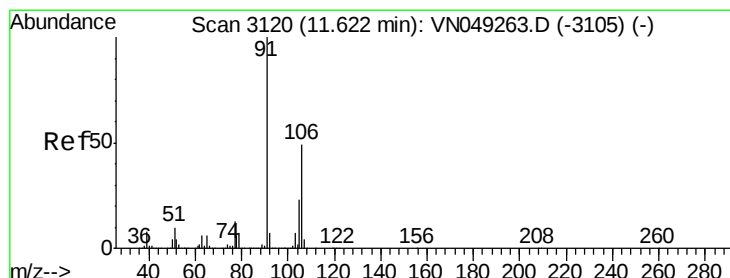
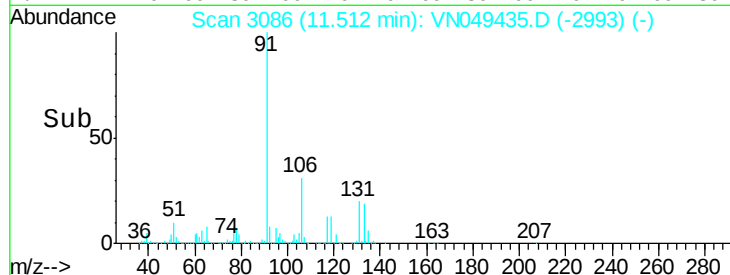
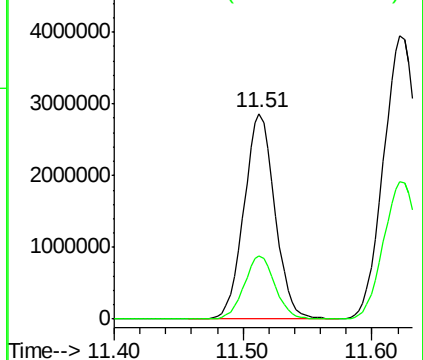
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.03 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049435.D

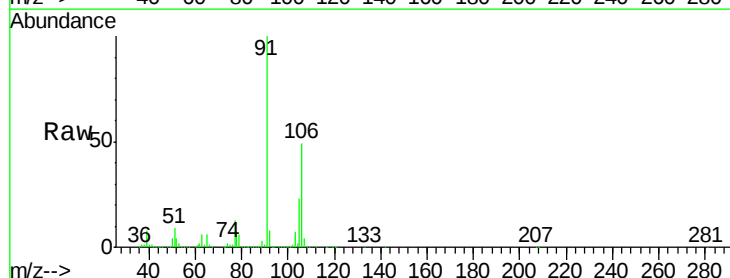
Acq: 20 Jun 2018 13:48

Tgt Ion: 106 Resp: 3675872

Ion Ratio Lower Upper

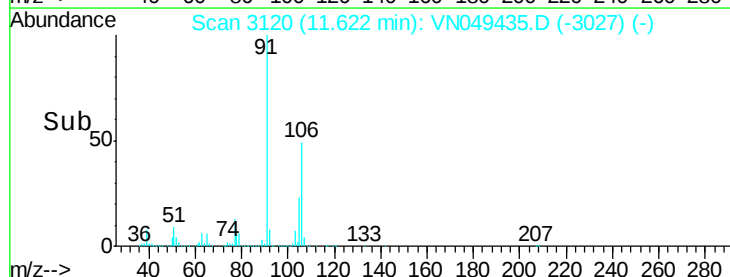
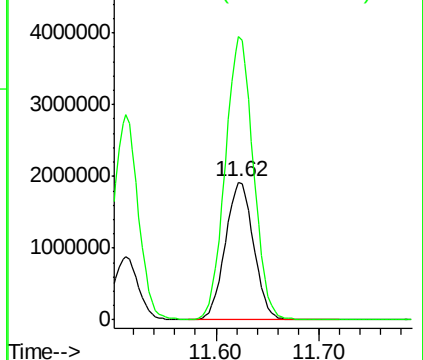
106 100

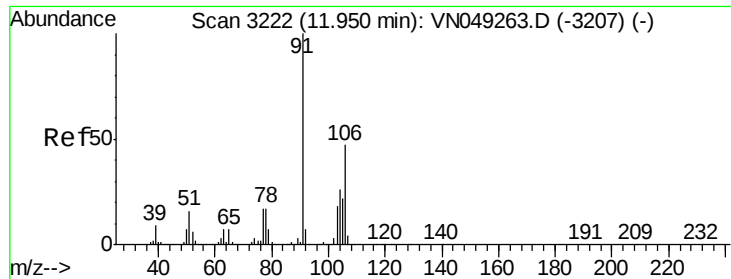
91 203.8 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





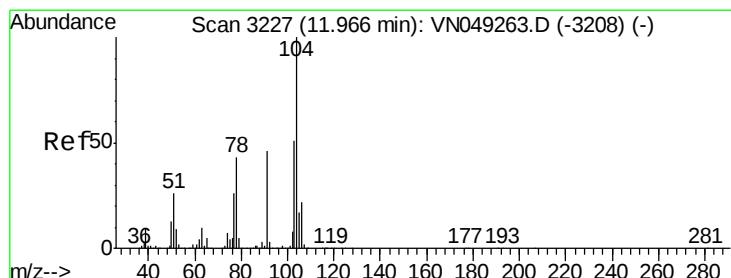
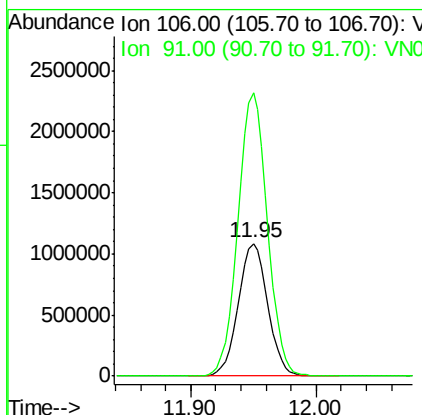
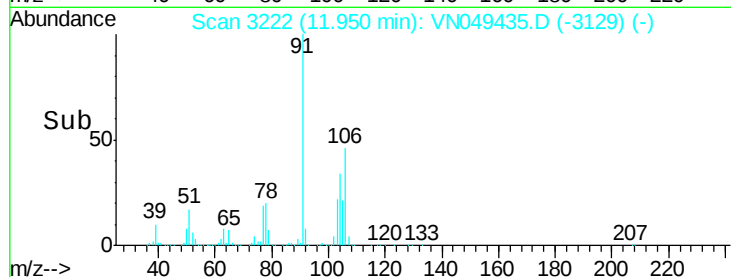
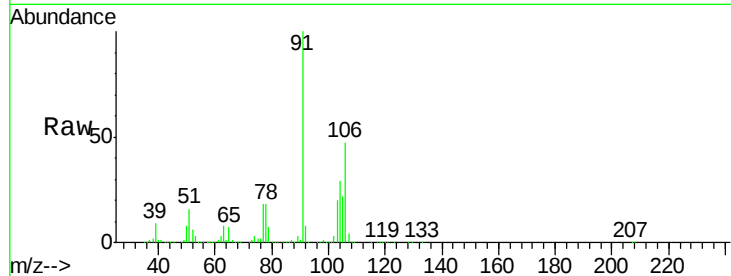
#69
o-Xylene
Concen: 52.61 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1756826
Ion Ratio Lower Upper
106 100
91 214.4 111.0 333.0

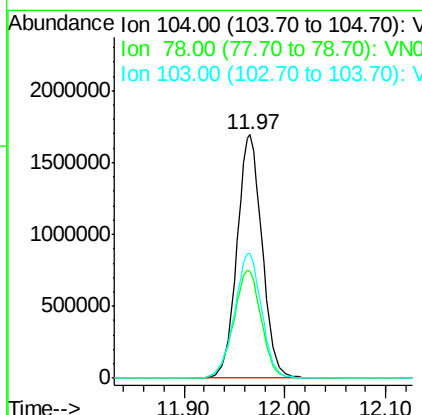
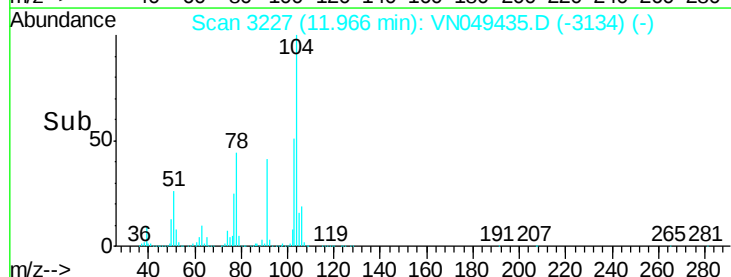
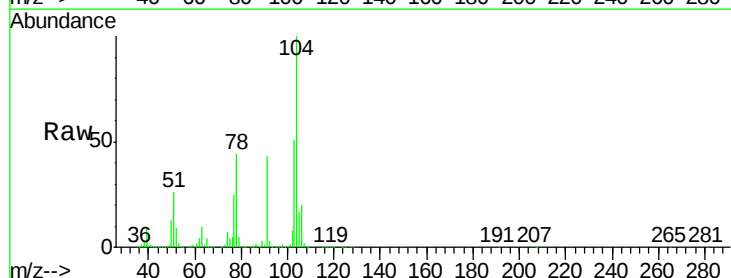
Manual Integrations
APPROVED

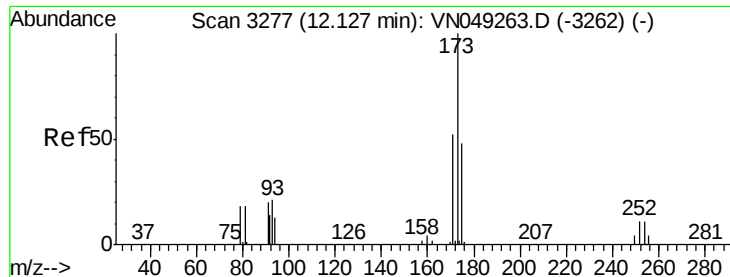
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#70
Styrene
Concen: 55.08 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion:104 Resp: 2901376
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 55.6 45.4 68.2





#71

Bromoform

Concen: 49.75 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

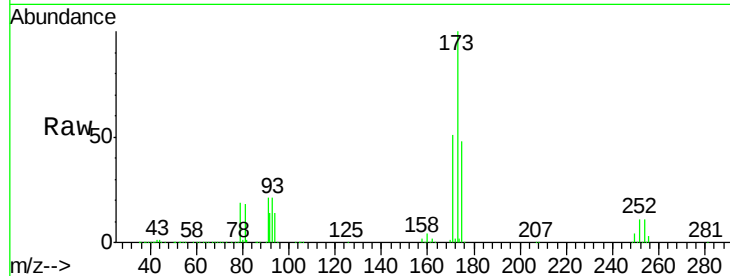
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.2	0.1	0.1#

Manual Integrations
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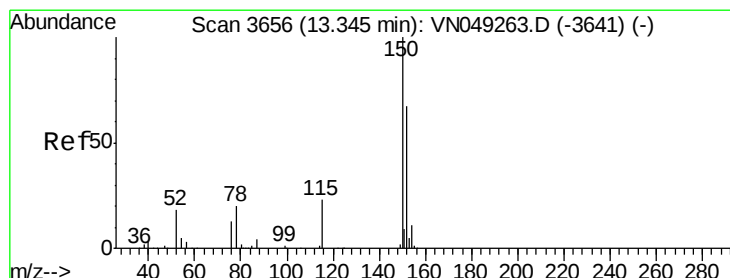
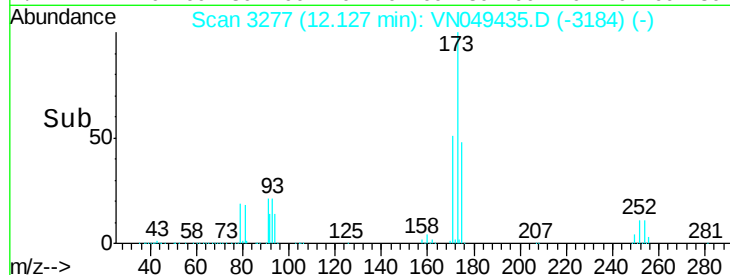
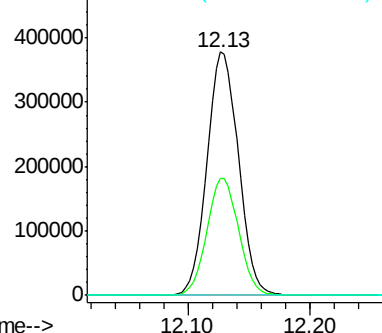


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

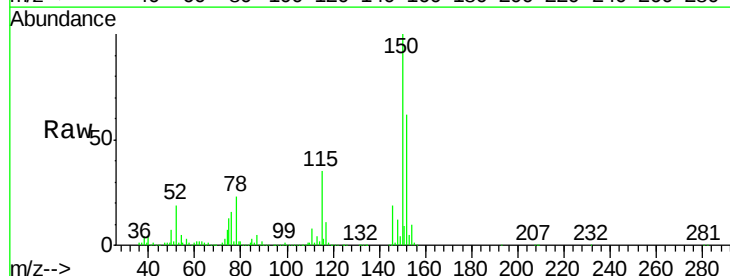
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	174.3	0.0	351.0

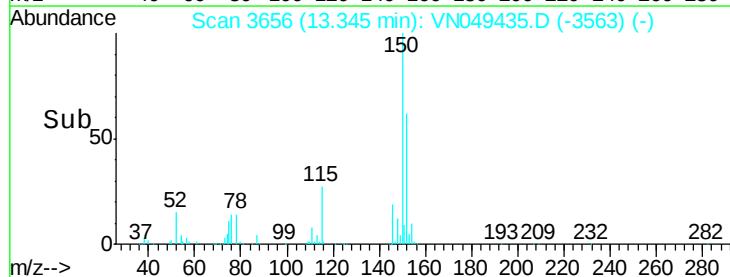
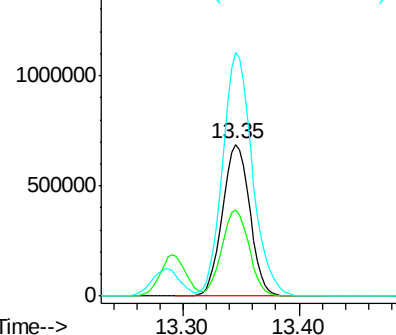


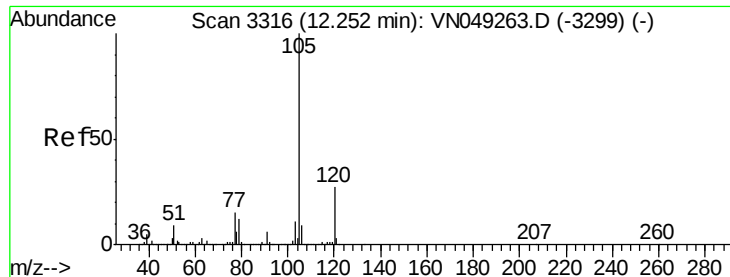
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.89 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4707193

Ion Ratio Lower Upper

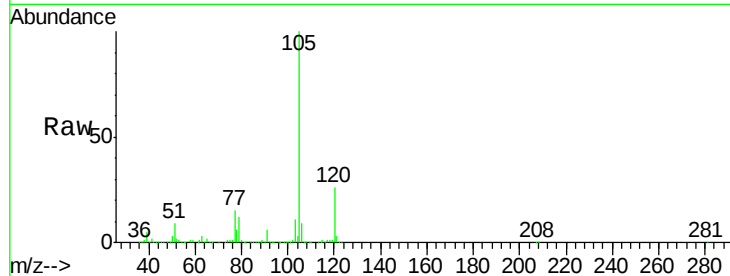
105 100

120 26.4 12.8 38.3

Manual Integrations
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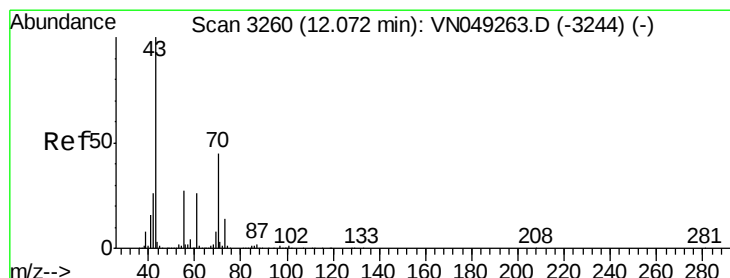
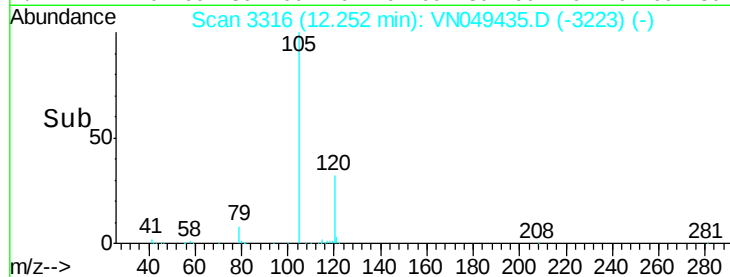
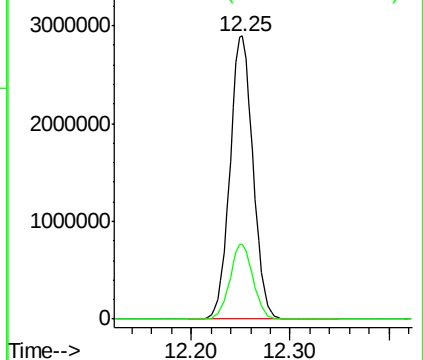
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.76 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion: 43 Resp: 1198038

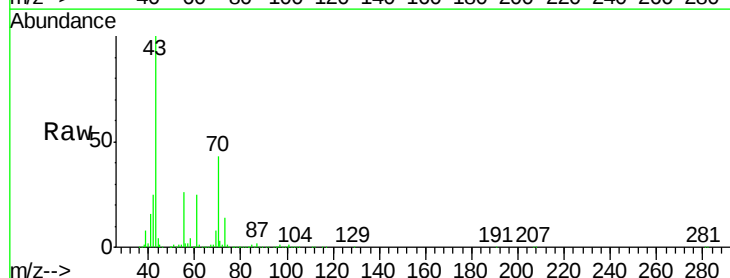
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 26.6 19.4 29.2

61 24.9 17.8 26.6

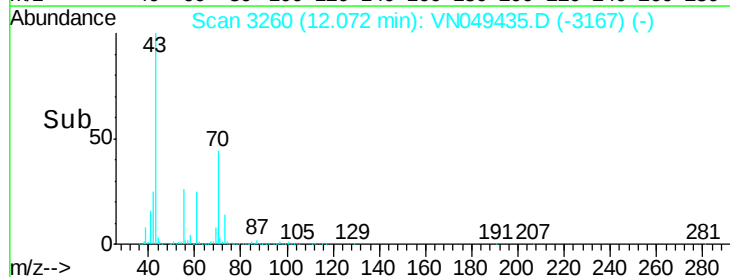
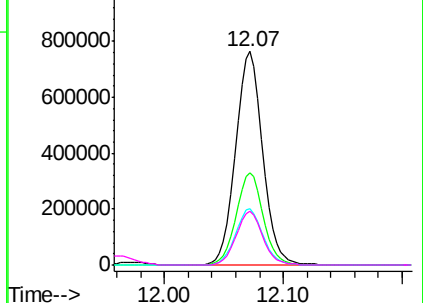


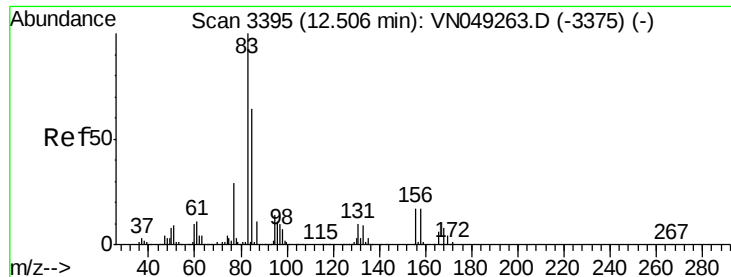
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

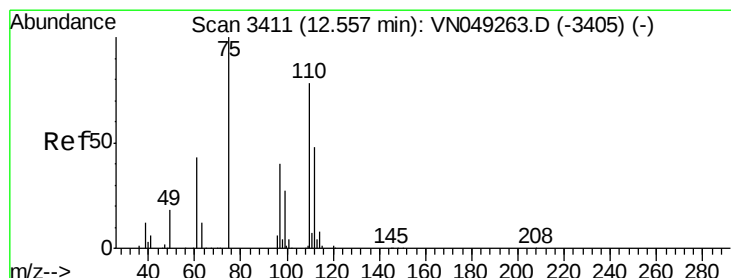
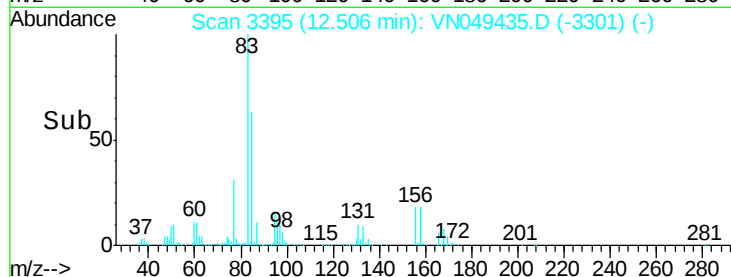
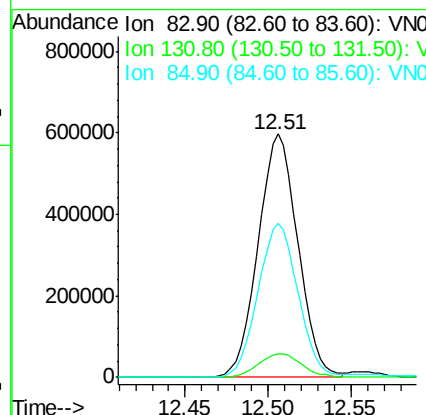
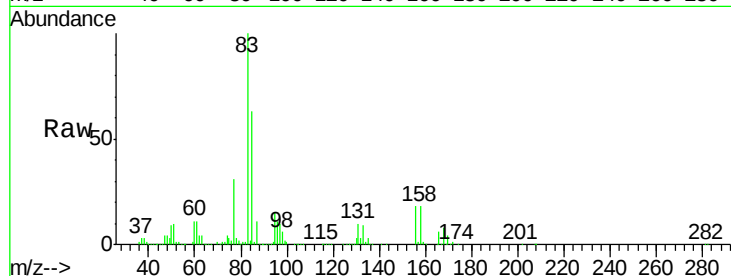
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	995725
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	63.7	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 44.37 ug/l m

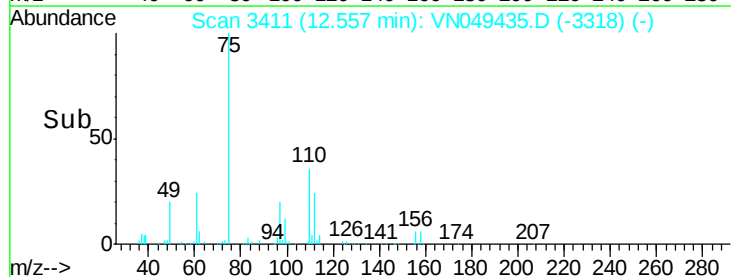
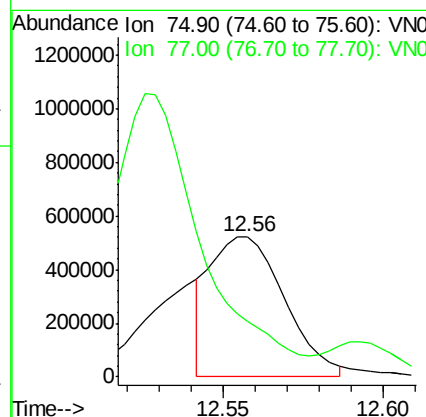
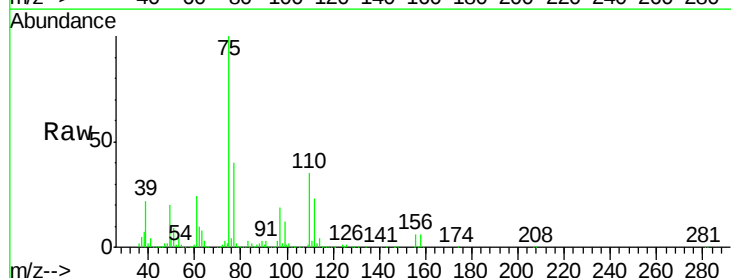
RT: 12.56 min Scan# 3411

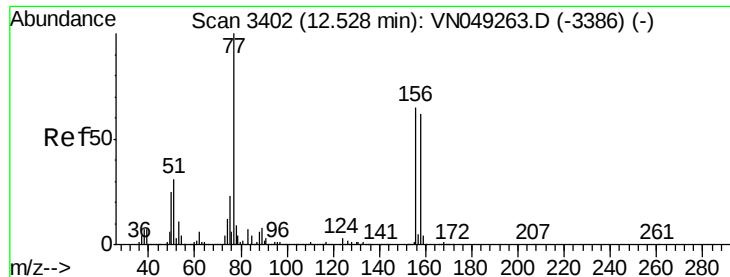
Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Tgt Ion:	75	Resp:	847455
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.97 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 1167576

Ion Ratio Lower Upper

156 100

77 180.8 100.8 302.4

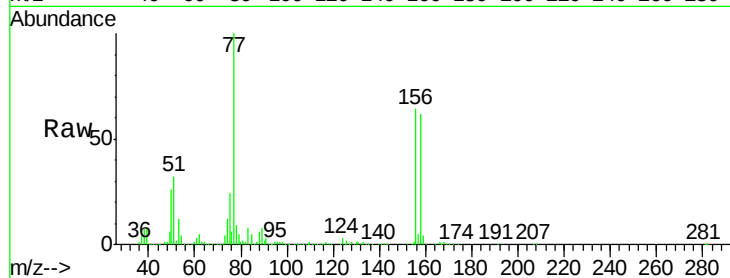
158 97.3 49.3 147.9

Manual Integrations

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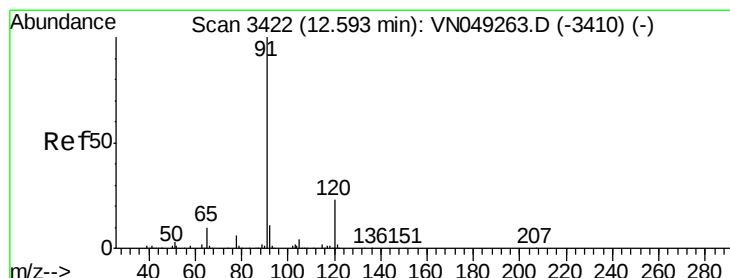
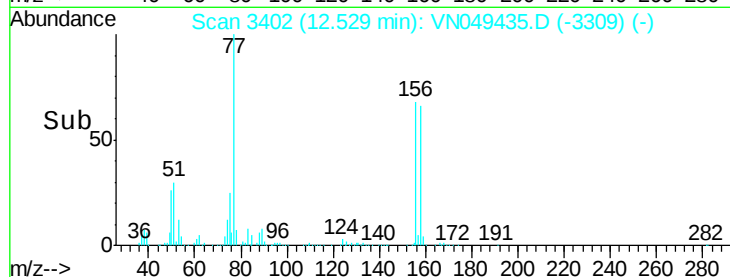
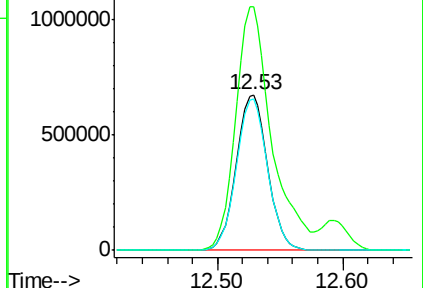
6/21/2018 12:00:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049435.D

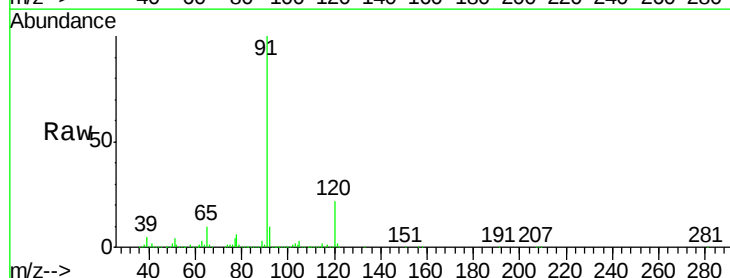
Acq: 20 Jun 2018 13:48

Tgt Ion: 91 Resp: 5423824

Ion Ratio Lower Upper

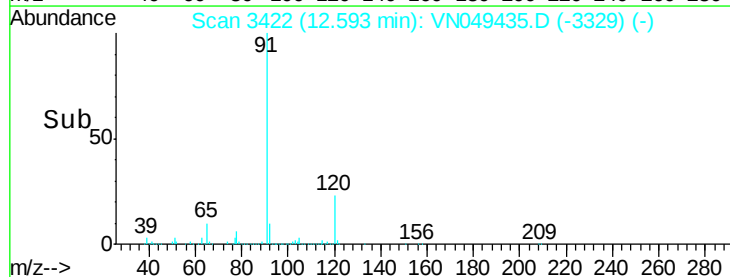
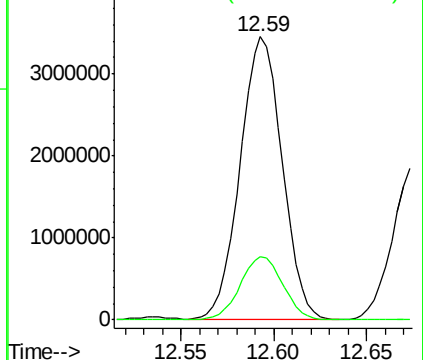
91 100

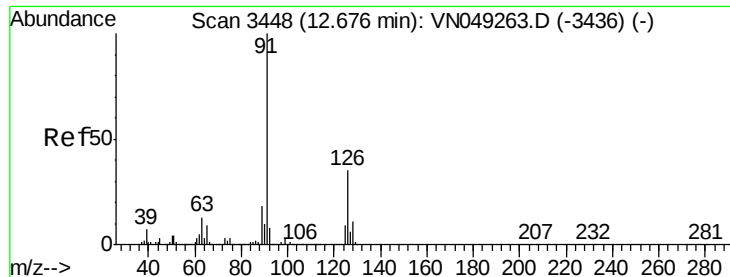
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.77 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3198237

Ion Ratio Lower Upper

91 100

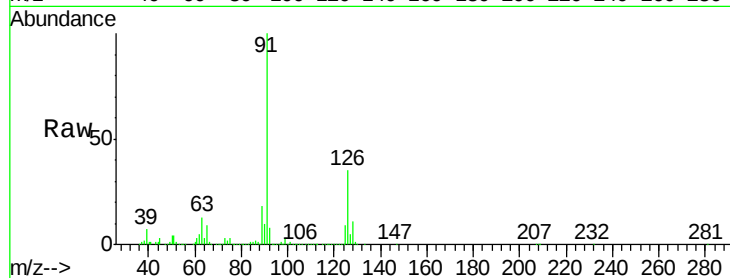
126 34.9 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049435.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049435.D (-3355) (-)

4000000

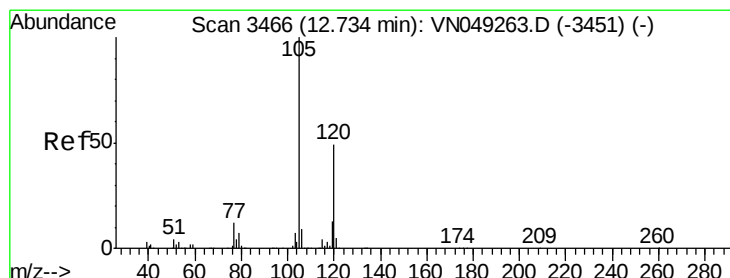
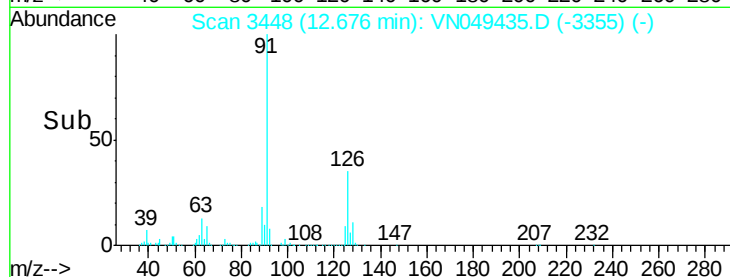
3000000

2000000

1000000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 50.17 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049435.D

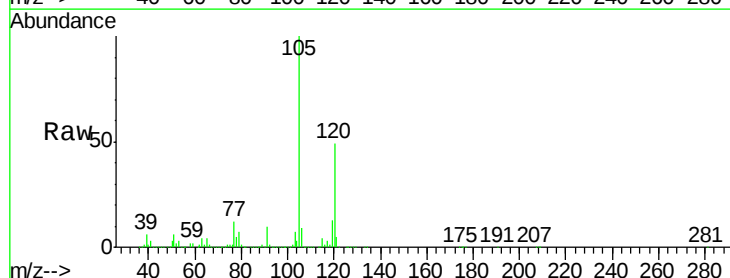
Acq: 20 Jun 2018 13:48

Tgt Ion: 105 Resp: 3875782

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049435.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049435.D (-3373) (-)

3000000

2500000

2000000

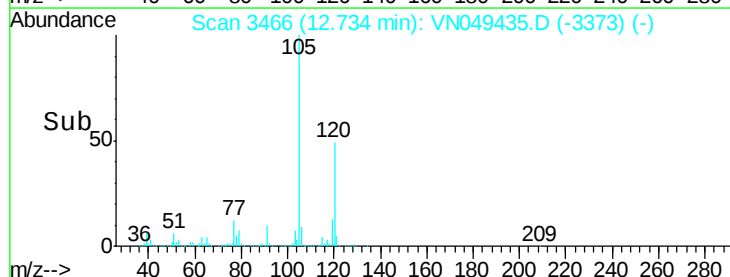
1500000

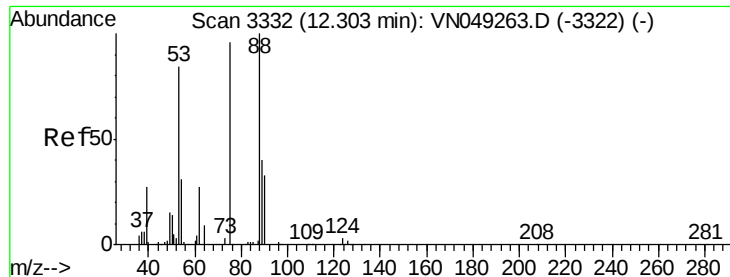
1000000

500000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 48.06 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 290475
Ion Ratio Lower Upper

75 100

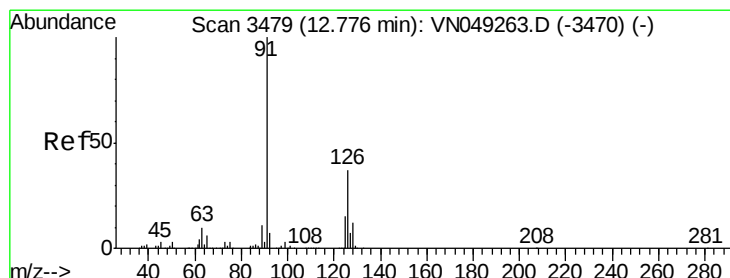
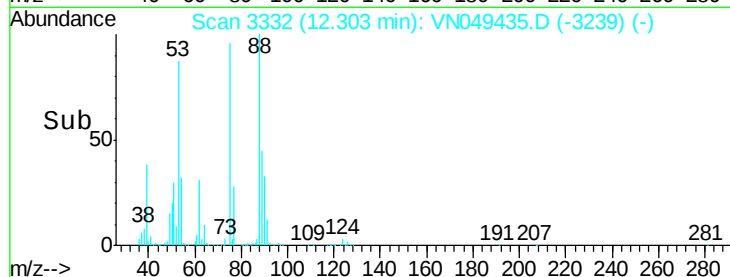
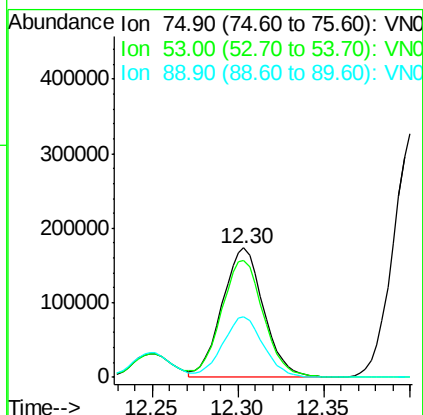
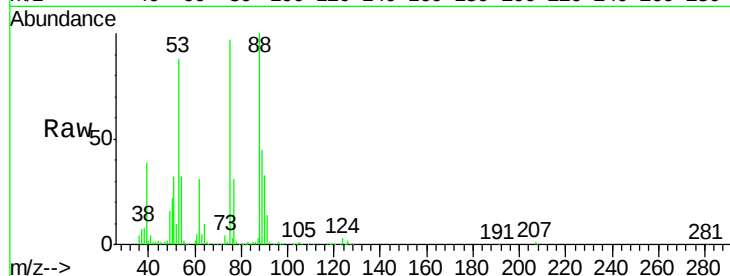
53 92.7 82.7 124.1

89 46.4 36.5 54.7

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#82

4-Chlorotoluene

Concen: 48.94 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

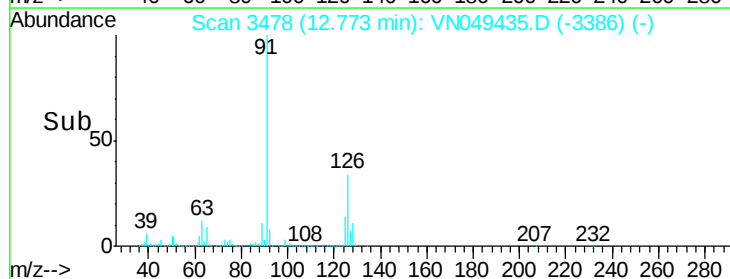
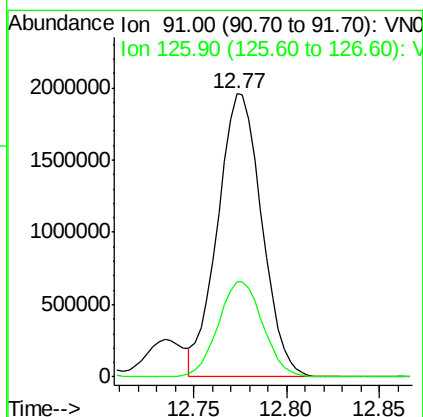
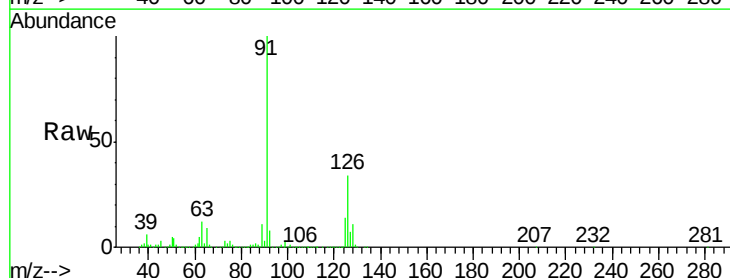
Lab File: VN049435.D

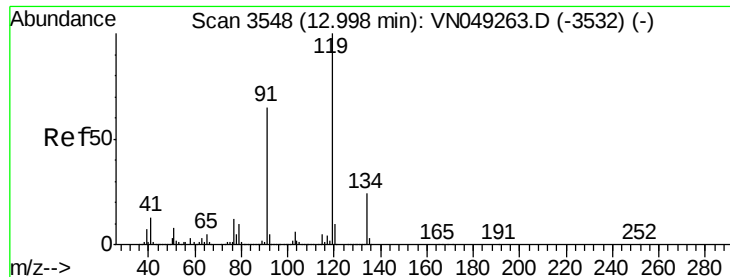
Acq: 20 Jun 2018 13:48

Tgt Ion: 91 Resp: 3228723
Ion Ratio Lower Upper

91 100

126 34.1 16.4 49.1





#83

tert-Butylbenzene

Concen: 47.12 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 3225198

Ion Ratio Lower Upper

119 100

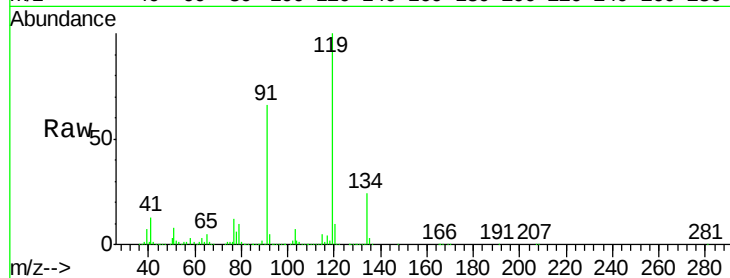
91 65.3 33.7 101.0

134 25.8 12.9 38.6

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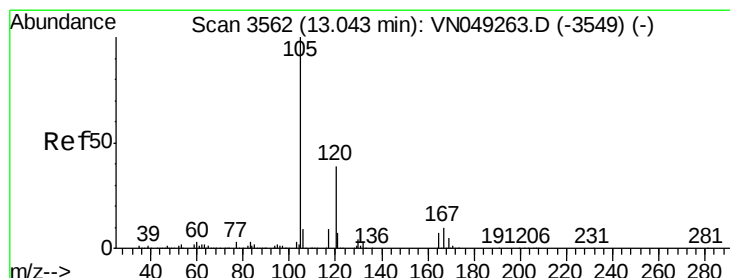
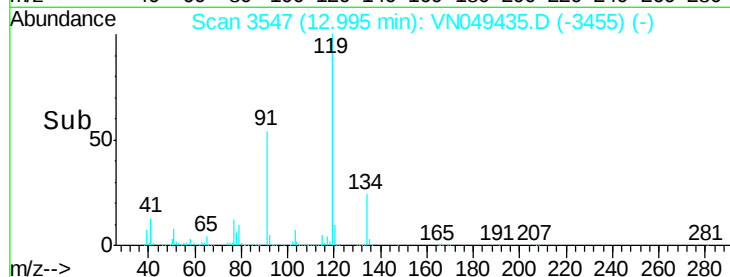
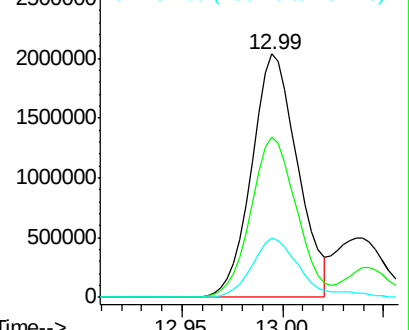
6/21/2018 12:00:25 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.22 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049435.D

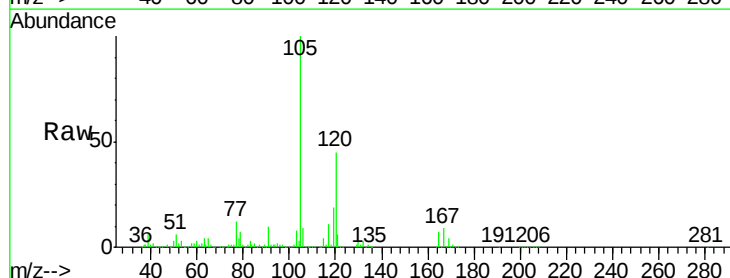
Acq: 20 Jun 2018 13:48

Tgt Ion:105 Resp: 3930893

Ion Ratio Lower Upper

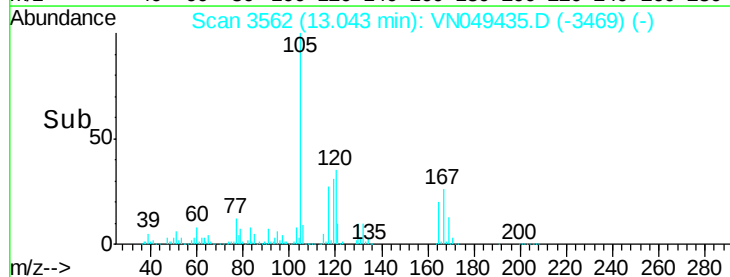
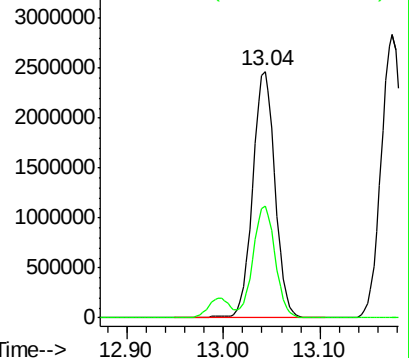
105 100

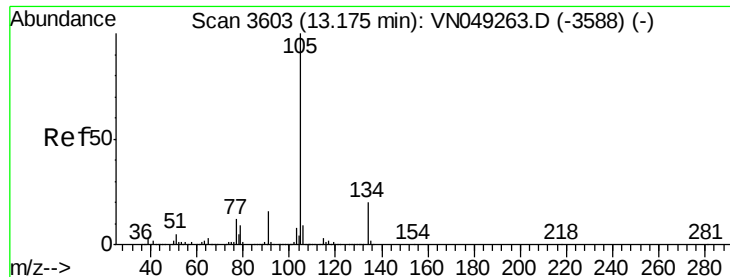
120 45.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.29 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4398725

Ion Ratio Lower Upper

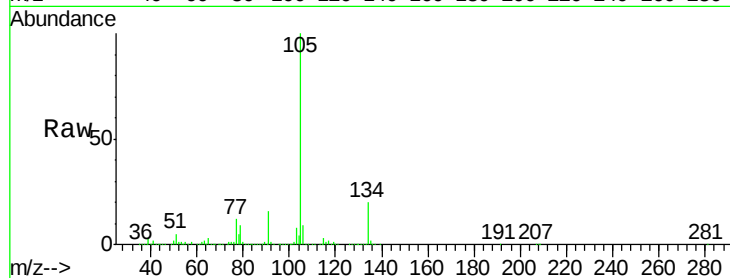
105 100

134 20.2 9.8 29.3

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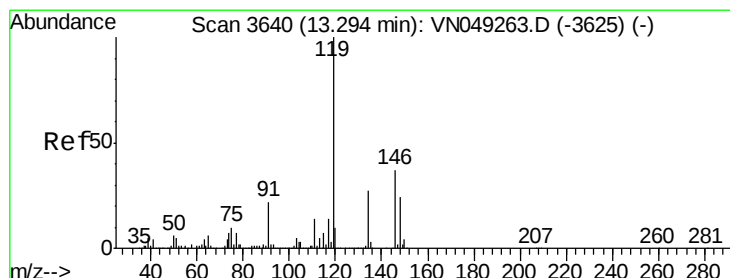
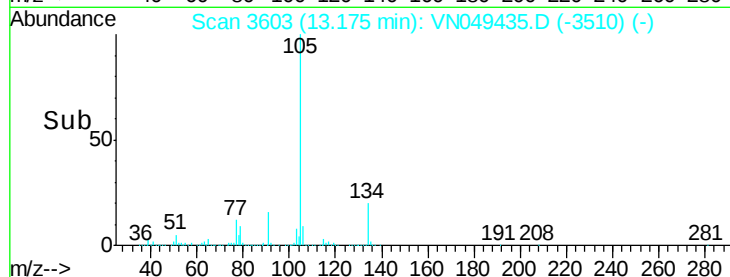
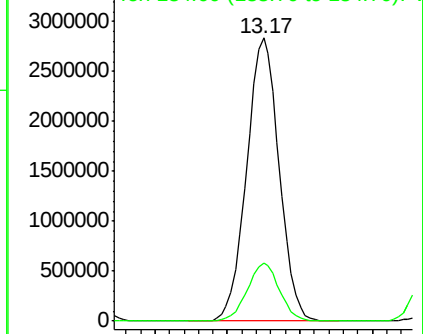
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

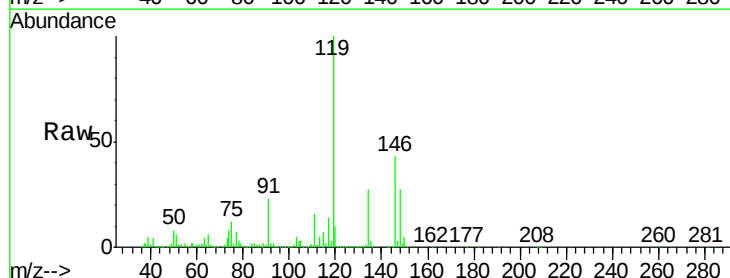
Tgt Ion:119 Resp: 3853670

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

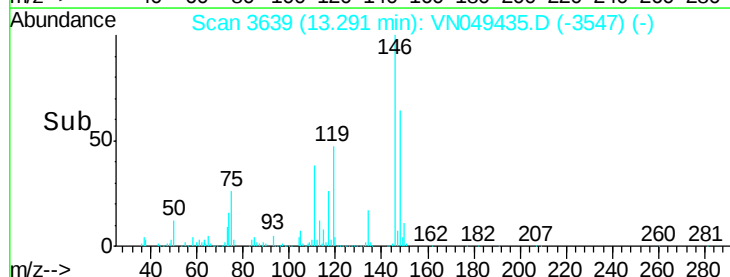
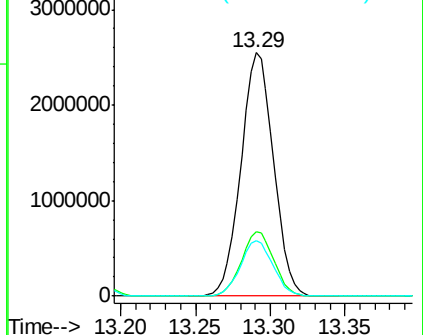
91 22.7 12.1 36.3

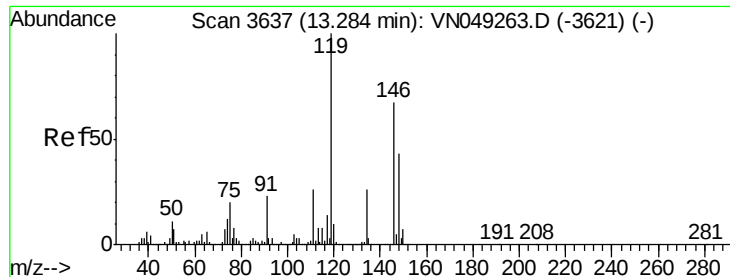


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





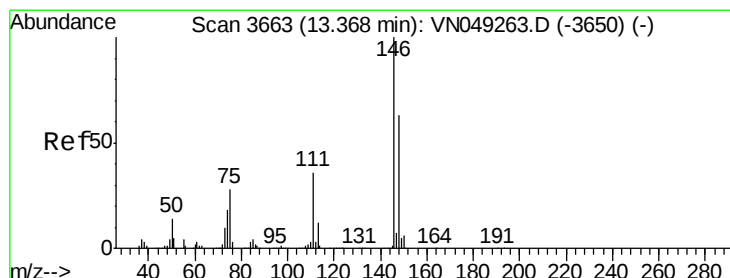
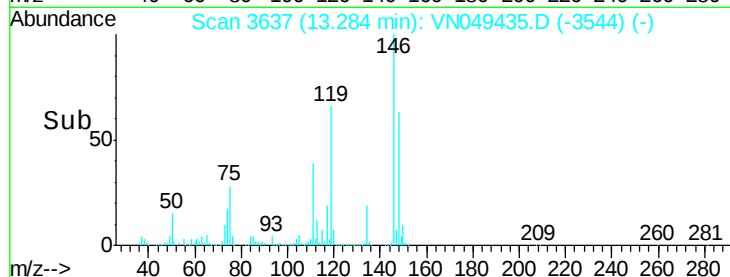
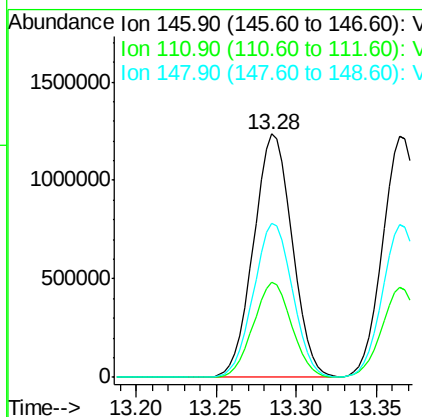
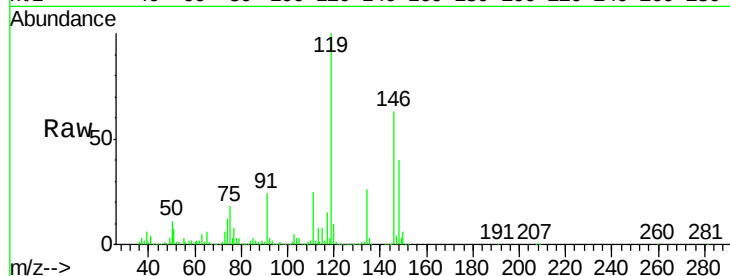
#87
 1,3-Dichlorobenzene
 Concen: 48.14 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	63.7	32.1	96.5

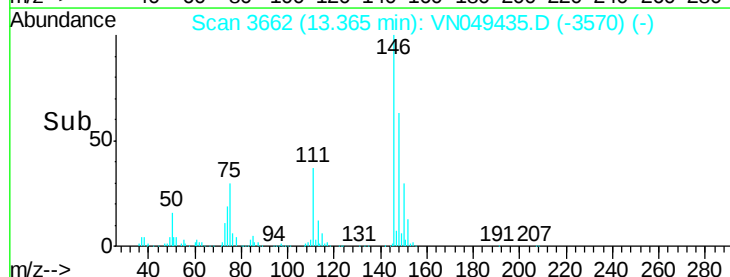
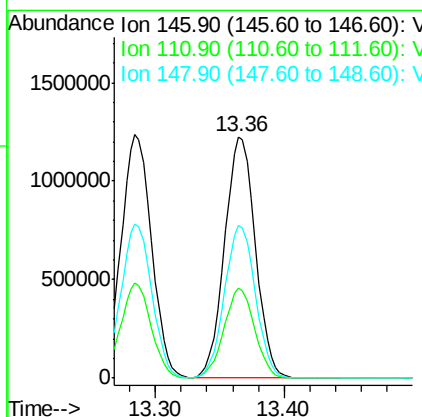
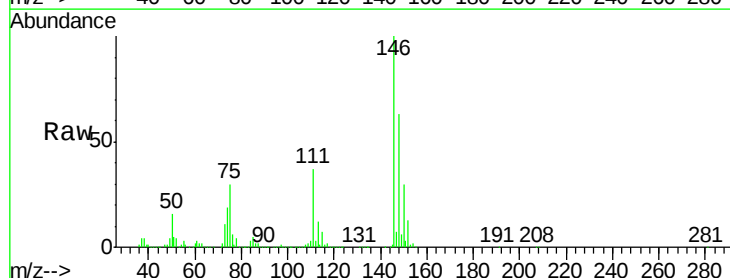
Manual Integrations
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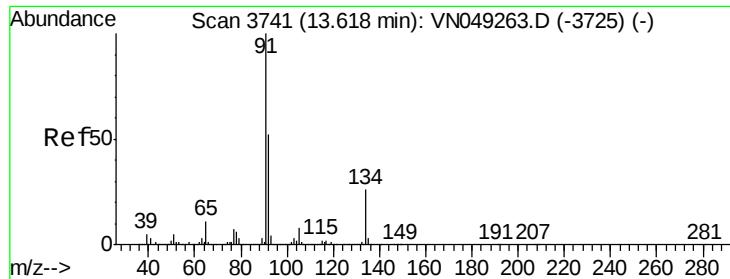
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 47.80 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	63.5	32.0	96.2





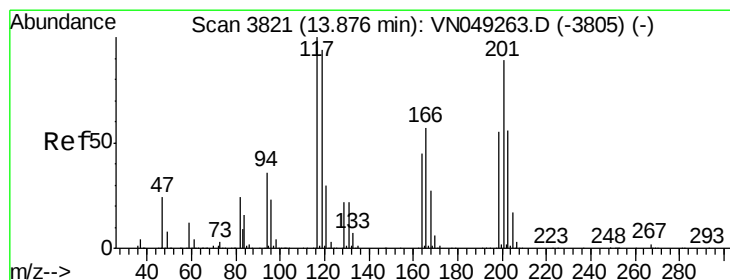
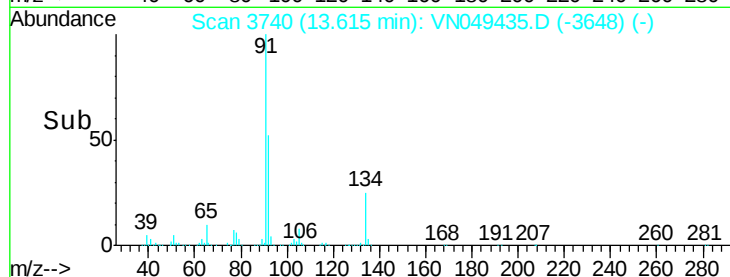
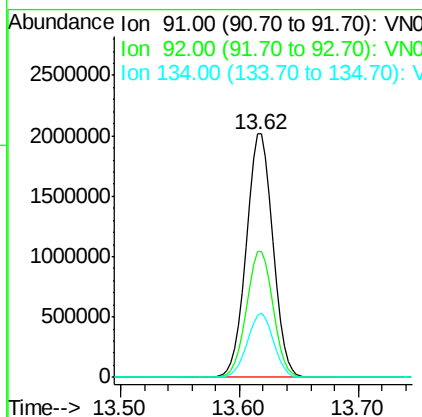
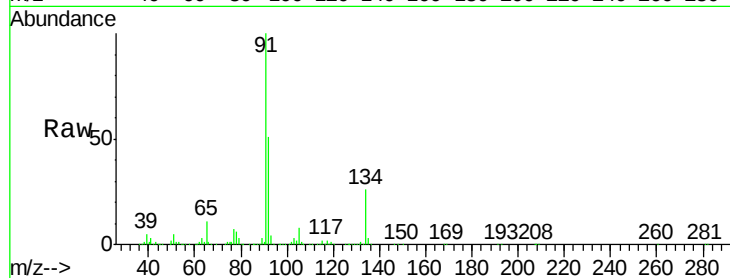
#89
n-Butylbenzene
Concen: 52.44 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.1	75.4
134	26.0	12.0	36.0

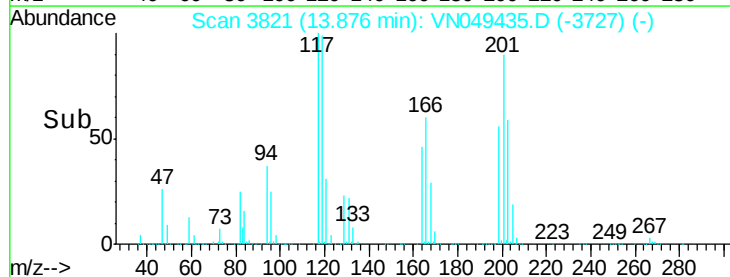
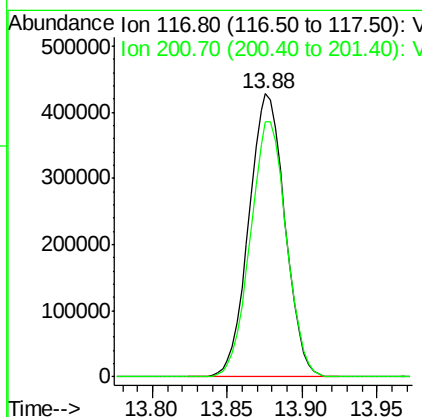
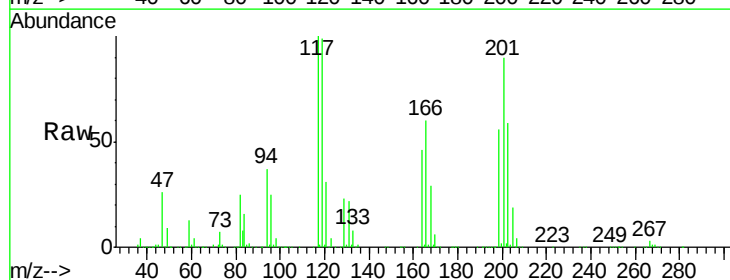
Manual Integrations
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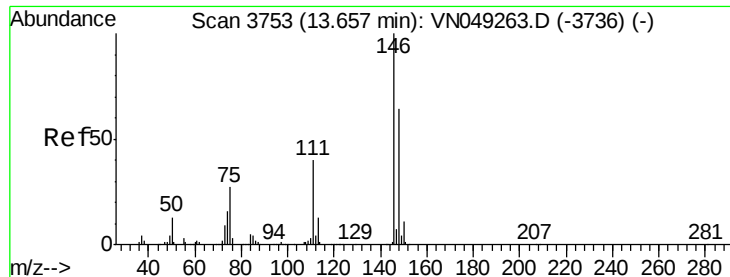
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#90
Hexachloroethane
Concen: 49.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049435.D
Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	40.1	120.2





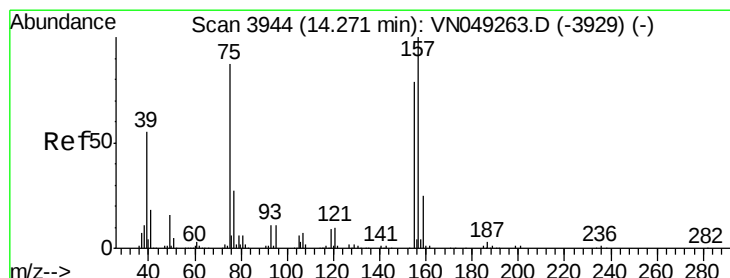
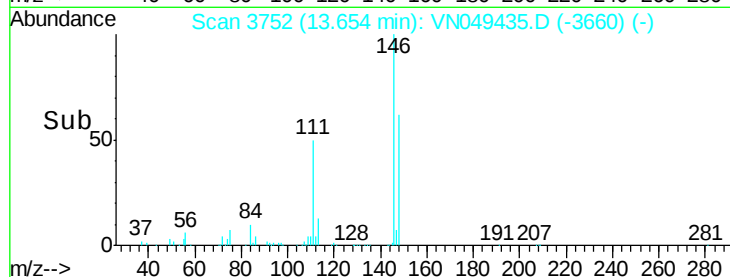
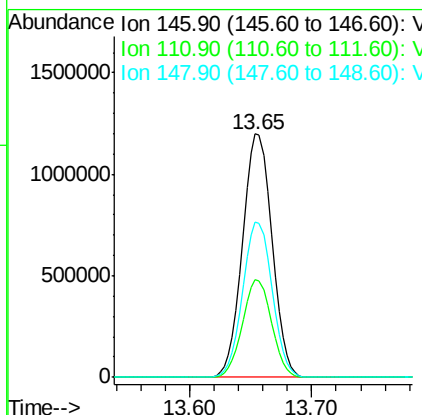
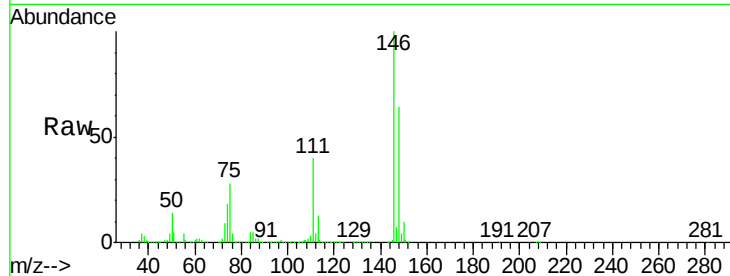
#91
 1,2-Dichlorobenzene
 Concen: 47.64 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	63.6	32.0	96.2

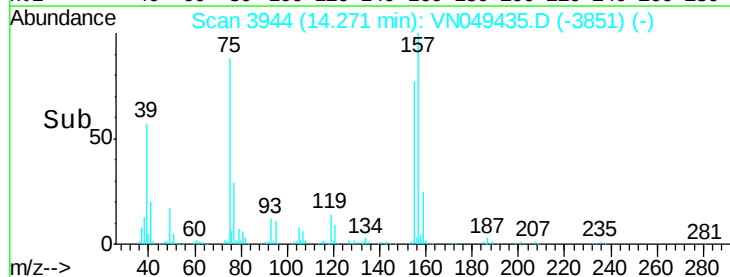
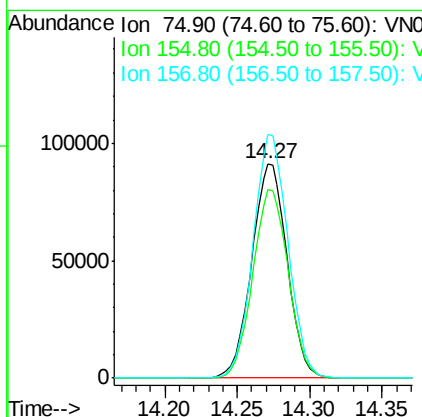
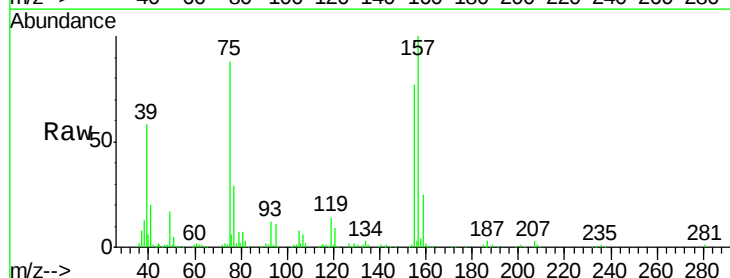
Manual Integrations
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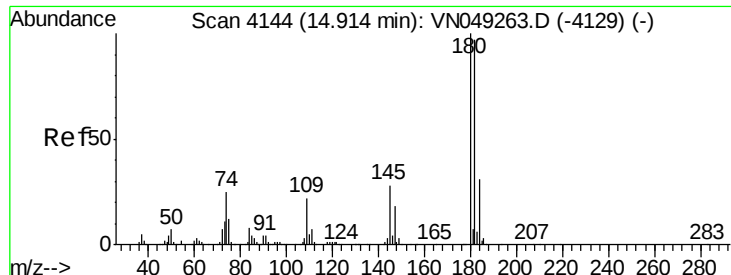
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.25 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	38.8	116.3
157	112.2	51.0	153.1





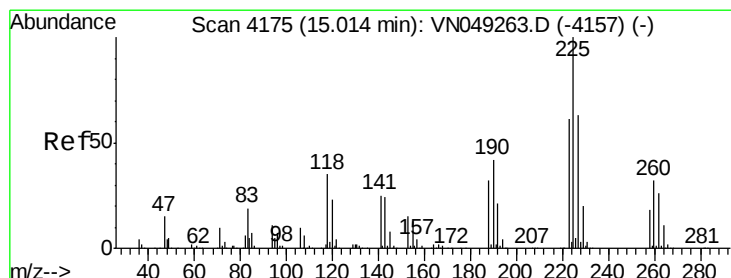
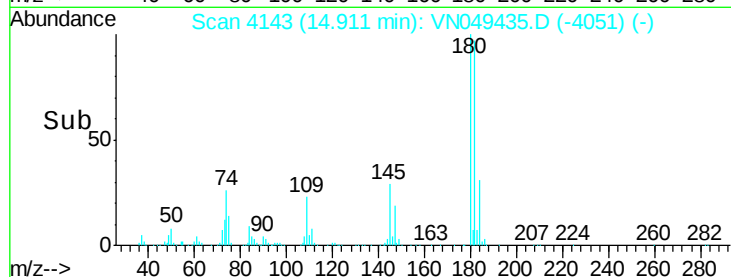
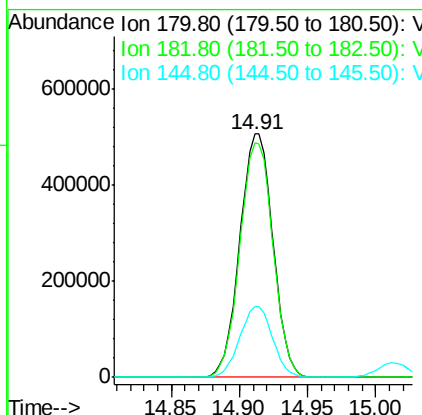
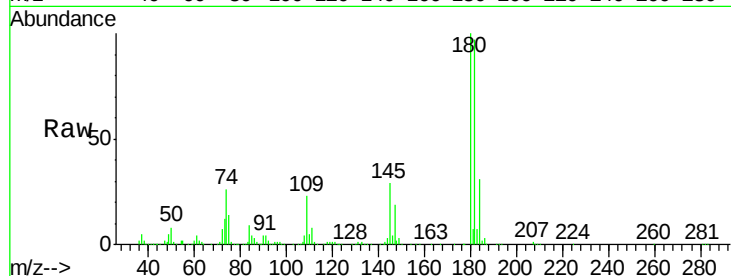
#93
 1,2,4-Trichlorobenzene
 Concen: 44.94 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	852625		
182	96.6	46.9	140.8	
145	28.8	14.7	44.1	

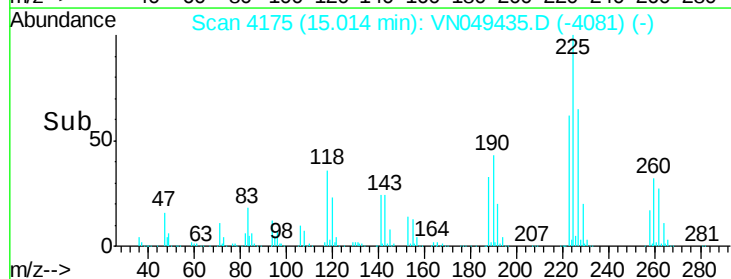
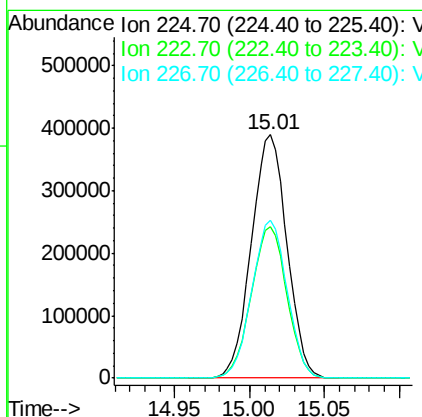
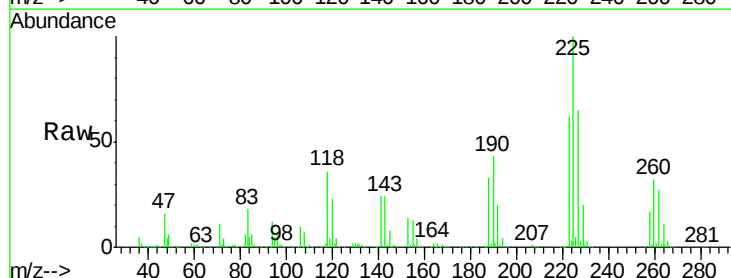
Manual Integrations
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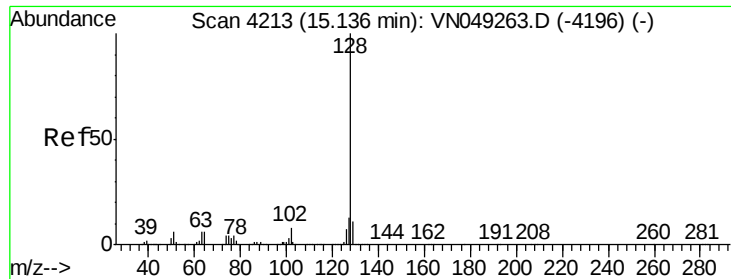
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#94
 Hexachlorobutadiene
 Concen: 52.76 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049435.D
 Acq: 20 Jun 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	644599		
223	62.2	32.1	96.3	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 48.84 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1656437

Ion Ratio Lower Upper

128 100

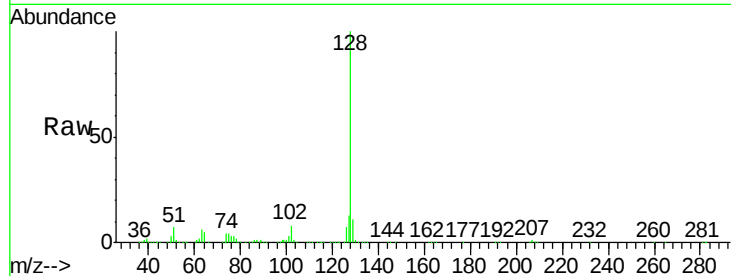
127 13.0 10.6 16.0

129 10.7 8.5 12.7

Manual Integrations
APPROVED

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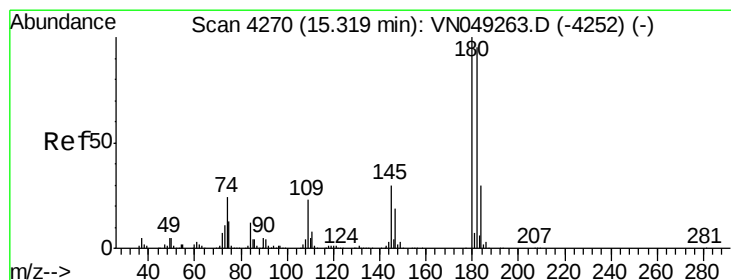
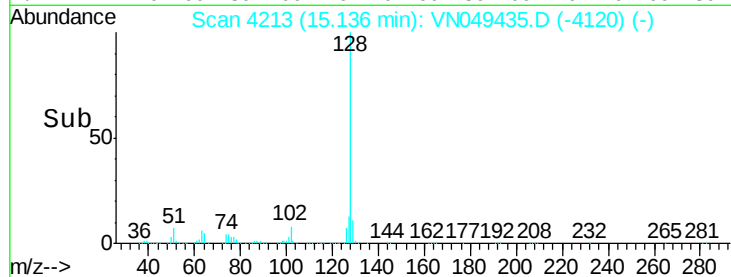
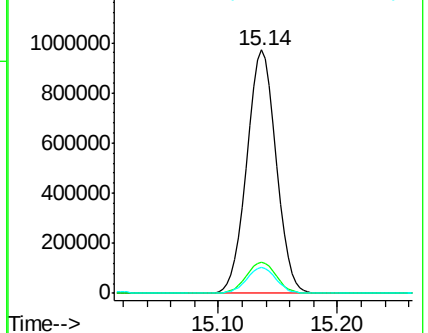
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.94 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049435.D

Acq: 20 Jun 2018 13:48

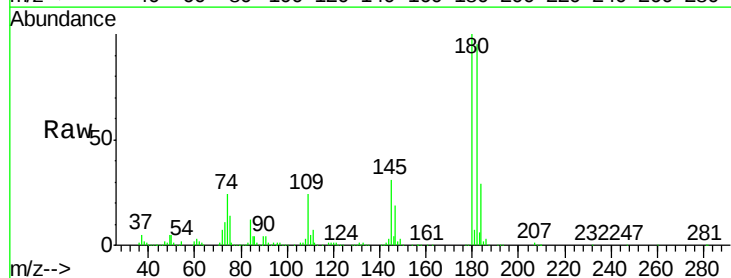
Tgt Ion:180 Resp: 856556

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 30.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

