

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049511.D
 Acq On : 25 Jun 2018 13:15
 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
 6/26/2018 5:13:41 PM

Quant Time: Jun 26 01:47:44 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	7.66	168	1593818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2265928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2079397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1090626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	972686	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	7.59	113	890336	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.09	98	3410880	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	1153419	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	741424	40.42	ug/l	99
3) Chloromethane	2.06	50	944908	39.89	ug/l	98
4) Vinyl Chloride	2.18	62	1045216	41.52	ug/l	99
5) Bromomethane	2.56	94	582531	44.02	ug/l	97
6) Chloroethane	2.70	64	656766	43.75	ug/l	98
7) Trichlorofluoromethane	3.01	101	1449054	46.14	ug/l	99
8) Diethyl Ether	3.41	74	498971	45.50	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	917549	46.06	ug/l	92
10) Methyl Iodide	3.95	142	1037956	50.05	ug/l	92
11) Tert butyl alcohol	4.79	59	261361	210.65	ug/l	99
12) 1,1-Dichloroethene	3.73	96	819837	44.86	ug/l	89
13) Acrolein	3.61	56	346121	266.02	ug/l	98
14) Allyl chloride	4.32	41	1353870	46.92	ug/l	89
15) Acrylonitrile	4.99	53	1424928	229.68	ug/l	98
16) Acetone	3.82	43	1264317	246.33	ug/l	93
17) Carbon Disulfide	4.05	76	2412809	42.12	ug/l	99
18) Methyl Acetate	4.32	43	736562	47.06	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	2254490	48.39	ug/l	98
20) Methylene Chloride	4.55	84	953406	44.48	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	891396	46.07	ug/l	92
22) Diisopropyl ether	5.95	45	2825378	49.03	ug/l	95
23) Vinyl Acetate	5.90	43	9030047	240.39	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1690891	45.85	ug/l	98
25) 2-Butanone	6.84	43	1624497	235.71	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1462416	49.10	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	1017657	47.31	ug/l	93
28) Bromochloromethane	7.19	49	847062	51.81	ug/l	84
29) Tetrahydrofuran	7.21	42	1021062	230.15	ug/l	94
30) Chloroform	7.37	83	1710491	46.60	ug/l	100
31) Cyclohexane	7.65	56	1511147	48.33	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1490274	47.59	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1318295	50.76	ug/l	97
37) Ethyl Acetate	6.93	43	708345	50.17	ug/l	97
38) Carbon Tetrachloride	7.77	117	1334898	49.65	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1444520	51.82	ug/l	96
40) Benzene	8.04	78	3911414	49.13	ug/l	99
41) Methacrylonitrile	7.18	41	388623	50.92	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1201144	48.83	ug/l	96
43) Isopropyl Acetate	8.17	43	1289672	47.81	ug/l	94
44) Trichloroethene	8.83	130	1065846	50.69	ug/l	92
45) 1,2-Dichloropropane	9.12	63	1030688	49.44	ug/l	99
46) Dibromomethane	9.21	93	590487	48.85	ug/l	91
47) Bromodichloromethane	9.40	83	1314018	49.47	ug/l	97
48) Methyl methacrylate	9.20	41	662242	52.13	ug/l	87
49) 1,4-Dioxane	9.20	88	169191	965.03	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	3490696	246.91	ug/l	94
52) Toluene	10.16	92	2433958	52.09	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1314026	51.71	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1545053	51.49	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	845857	48.56	ug/l	98
56) Ethyl methacrylate	10.43	69	1017819	50.64	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1427952	49.48	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1478429	208.30	ug/l	94
59) 2-Hexanone	10.75	43	2368836	259.89	ug/l	93
60) Dibromochloromethane	10.90	129	978110	50.31	ug/l	99
61) 1,2-Dibromoethane	11.01	107	813939	50.27	ug/l	100
64) Tetrachloroethene	10.63	164	1169137	54.87	ug/l	97
65) Chlorobenzene	11.43	112	2676996	49.97	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	996218	49.42	ug/l	99
67) Ethyl Benzene	11.51	91	4650373	52.34	ug/l	98
68) m/p-Xylenes	11.62	106	3599995	107.96	ug/l	96
69) o-Xylene	11.95	106	1713201	53.34	ug/l	96
70) Styrene	11.96	104	2770113	54.67	ug/l	97
71) Bromoform	12.13	173	661695	50.71	ug/l	100
73) Isopropylbenzene	12.25	105	4629354	48.34	ug/l	98
74) N-amyl acetate	12.07	43	1087564	46.37	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	919097	46.50	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	773336m	41.56	ug/l	
77) Bromobenzene	12.53	156	1140643	45.10	ug/l	89
78) n-propylbenzene	12.59	91	5346837	50.85	ug/l	98
79) 2-Chlorotoluene	12.68	91	3137652	47.10	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3823505	50.80	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	264288	44.89	ug/l	91
82) 4-Chlorotoluene	12.77	91	3170510	49.33	ug/l	97
83) tert-Butylbenzene	12.99	119	3208313	48.11	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3848921	51.48	ug/l	99
85) sec-Butylbenzene	13.17	105	4380486	49.36	ug/l	99
86) p-Isopropyltoluene	13.29	119	3834383	51.71	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	2036141	48.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1985741	48.15	ug/l	99
89) n-Butylbenzene	13.62	91	3074071	53.08	ug/l	97
90) Hexachloroethane	13.88	117	718380	51.23	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1964479	48.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140425	42.12	ug/l	85

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	857044	46.22	ug/l	98
94) Hexachlorobutadiene	15.01	225	645157	54.28	ug/l	99
95) Naphthalene	15.14	128	1561579	47.50	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	850827	46.77	ug/l	98

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

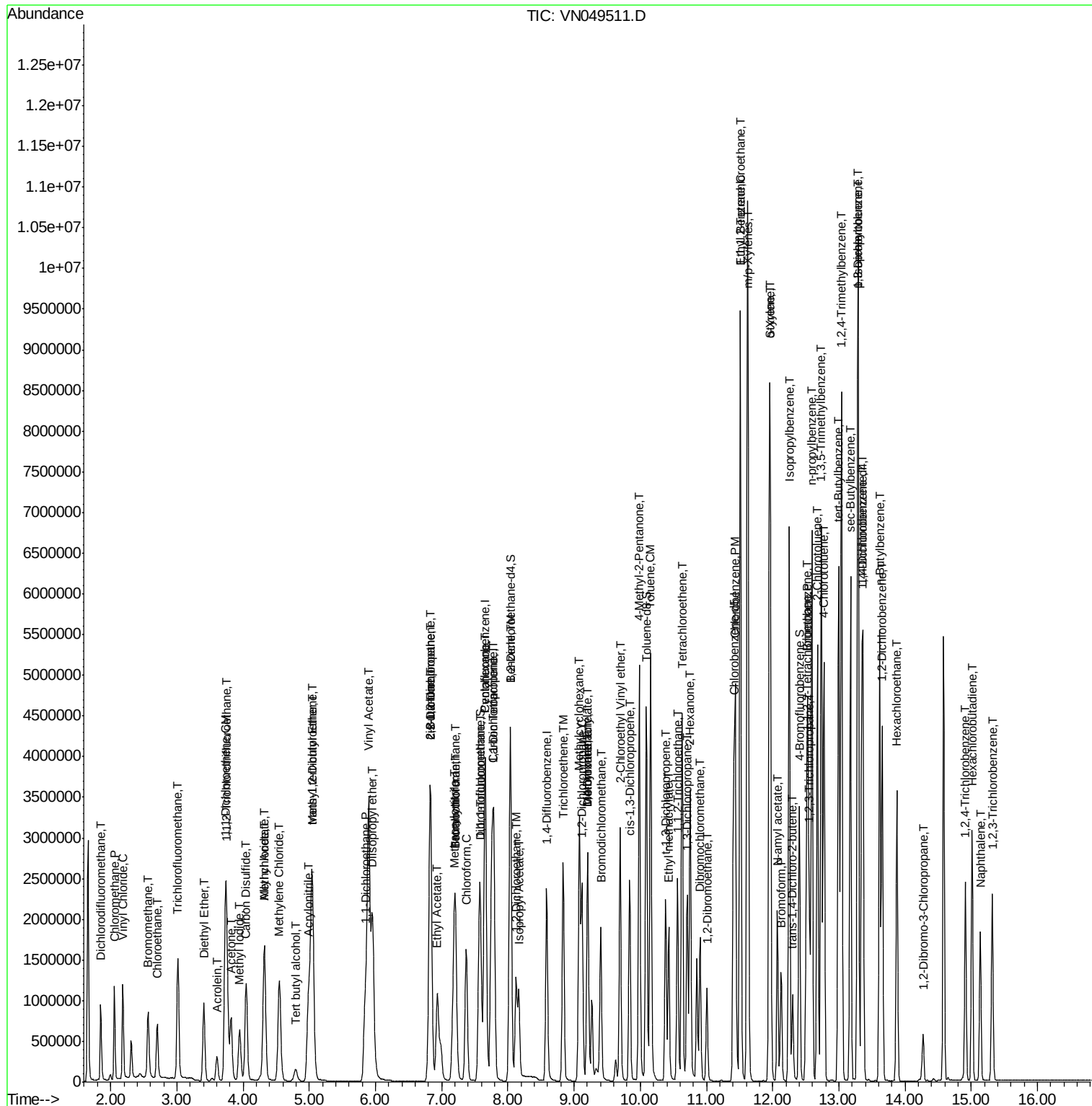
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
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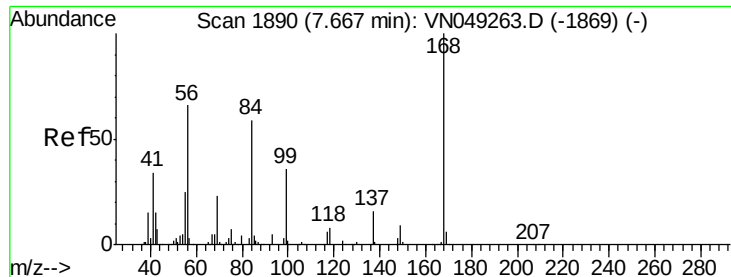
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1593818

Ion Ratio Lower Upper

168 100

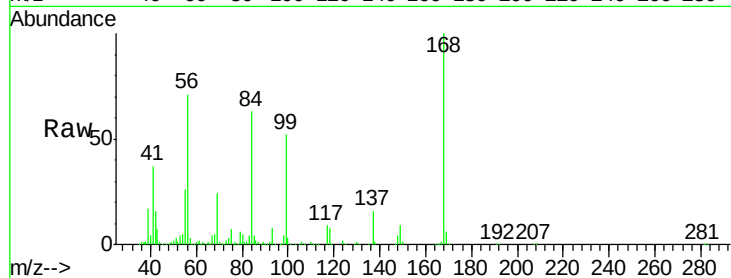
99 51.0 45.8 68.6

Manual Integrations

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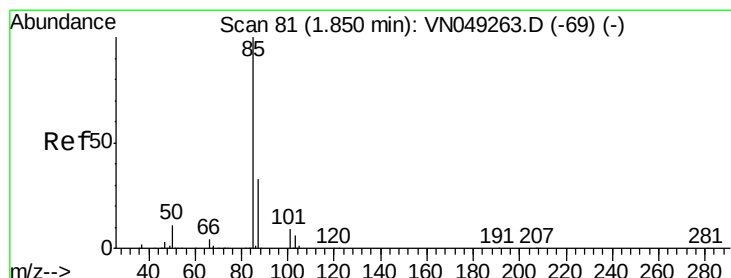
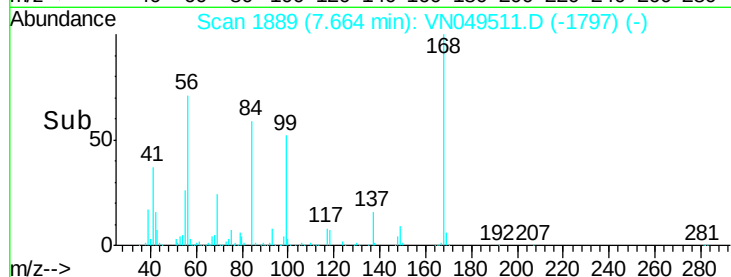
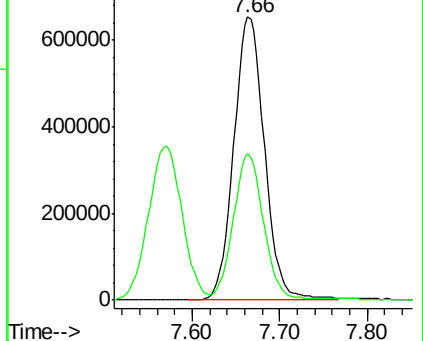
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 40.42 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049511.D

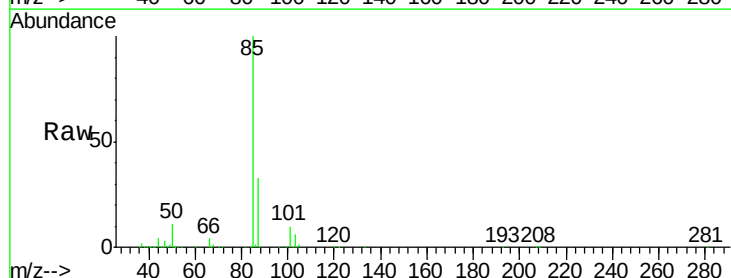
Acq: 25 Jun 2018 13:15

Tgt Ion: 85 Resp: 741424

Ion Ratio Lower Upper

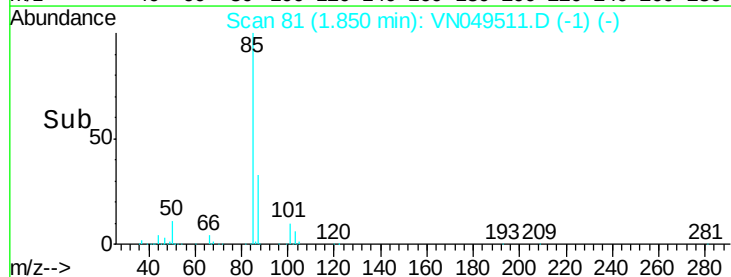
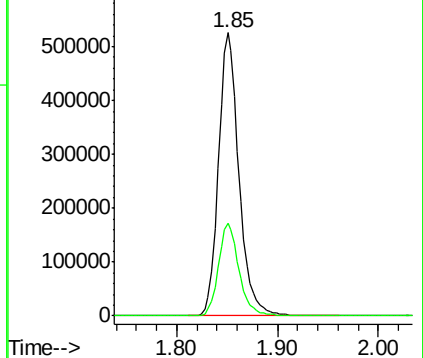
85 100

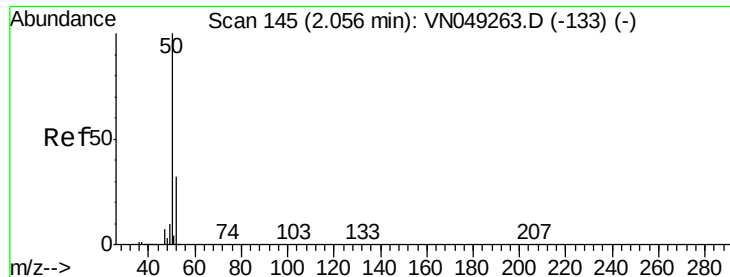
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 39.89 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 944908

Ion Ratio Lower Upper

50 100

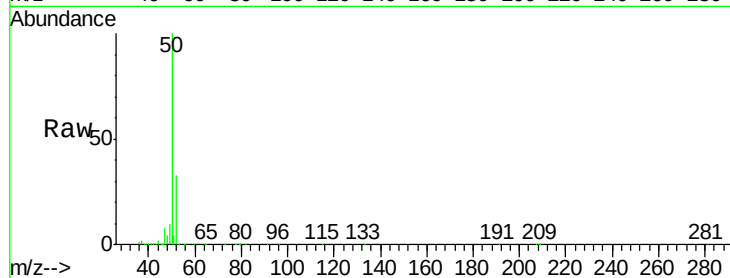
52 32.6 25.2 37.8

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

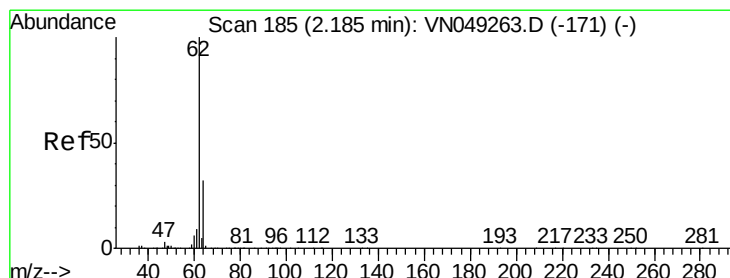
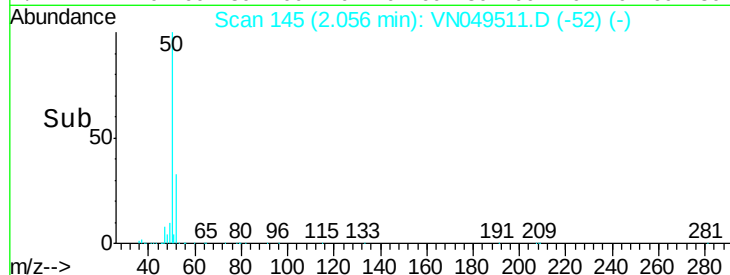
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 41.52 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049511.D

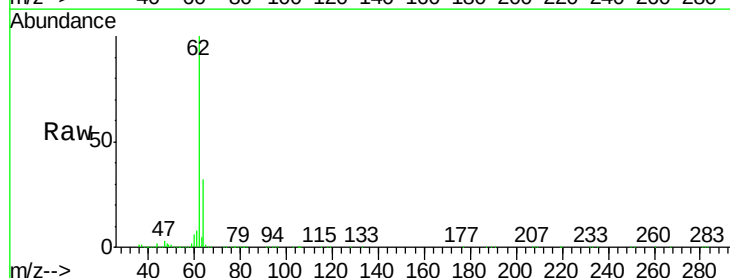
Acq: 25 Jun 2018 13:15

Tgt Ion: 62 Resp: 1045216

Ion Ratio Lower Upper

62 100

64 31.6 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

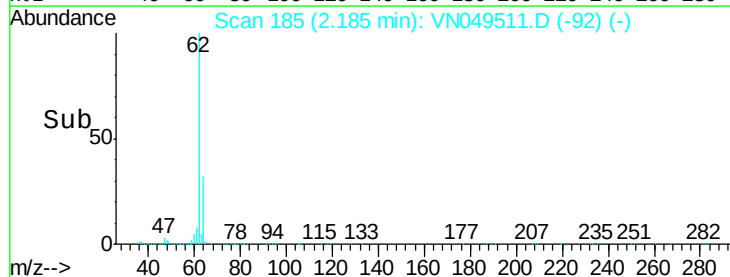
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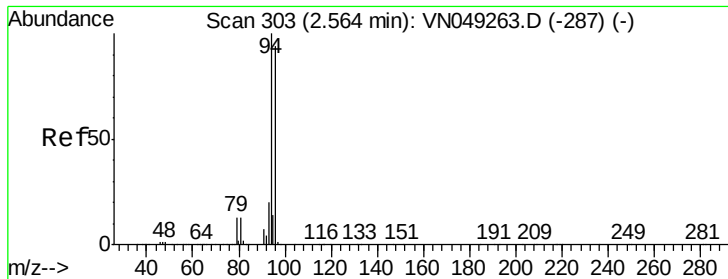
400000

200000

0

Time-->





#5

Bromomethane

Concen: 44.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 582531

Ion Ratio Lower Upper

94 100

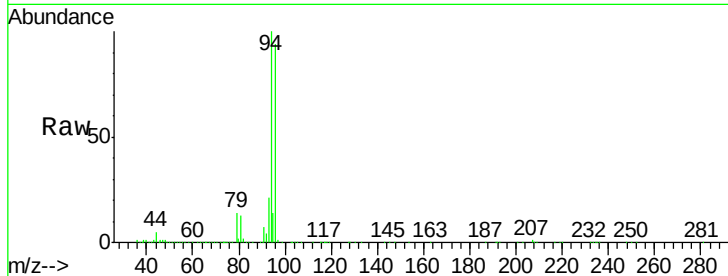
96 93.7 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)

2.56

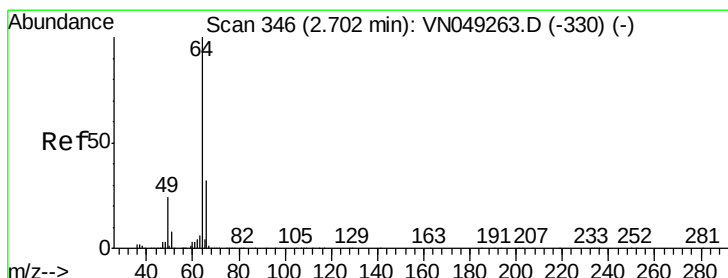
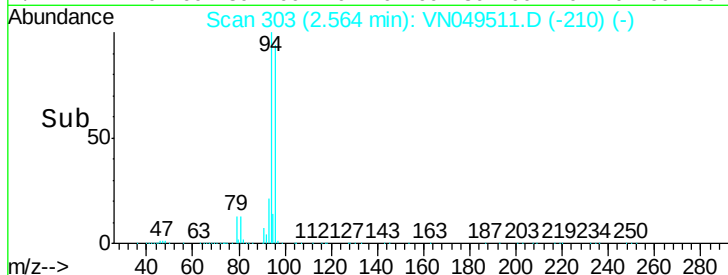
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200000

100000

0

Time-->



#6

Chloroethane

Concen: 43.75 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049511.D

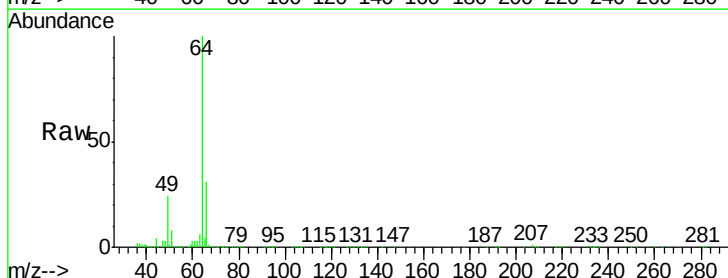
Acq: 25 Jun 2018 13:15

Tgt Ion: 64 Resp: 656766

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049511.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049511.D (-253) (-)

2.70

400000

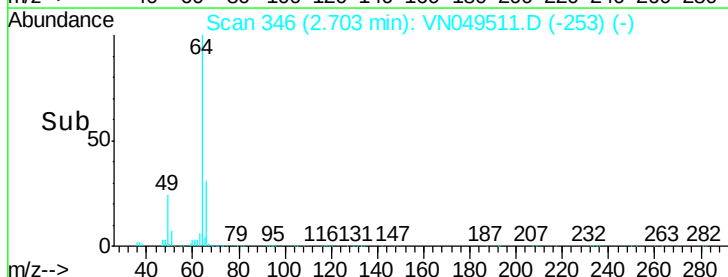
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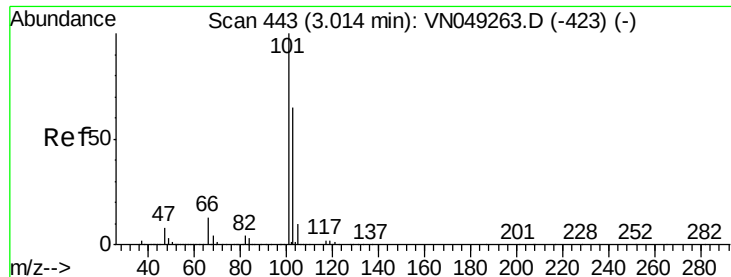
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100000

0

Time-->





#7

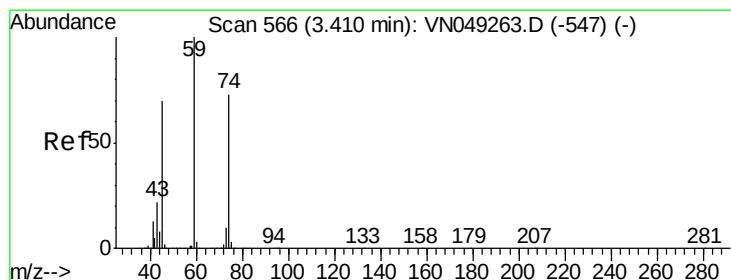
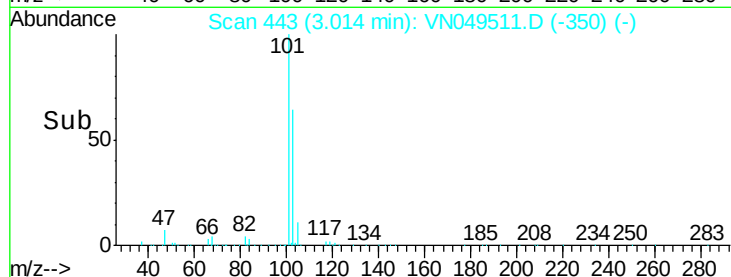
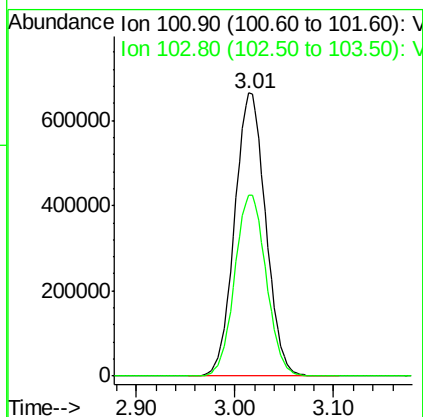
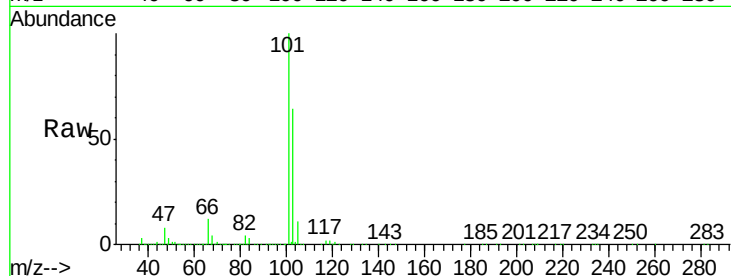
Trichlorofluoromethane
Concen: 46.14 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

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Tot Ion:101 Resp: 1449054
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

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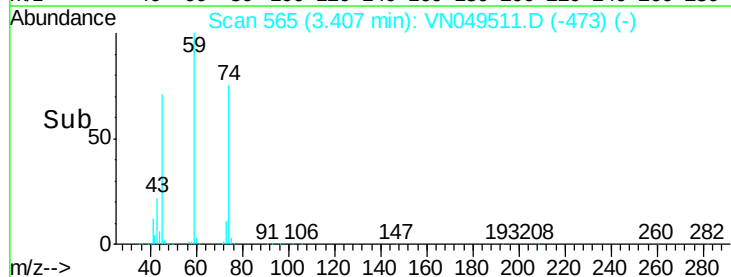
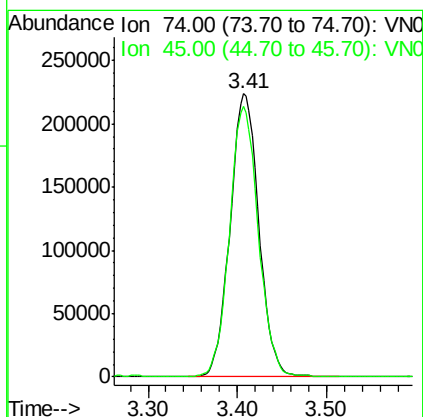
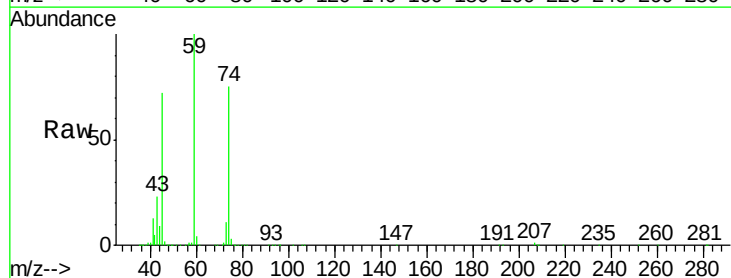
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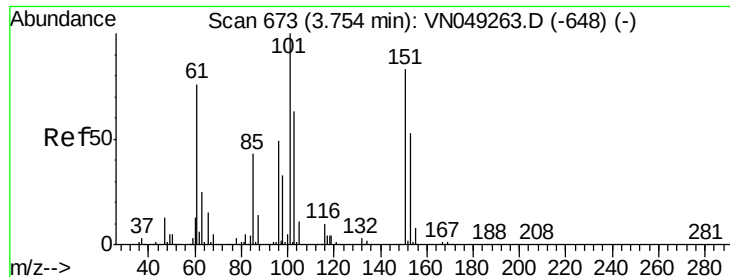


#8

Diethyl Ether
Concen: 45.50 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion: 74 Resp: 498971
Ion Ratio Lower Upper
74 100
45 95.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.06 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

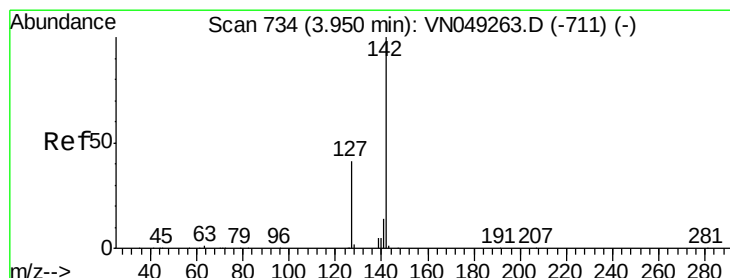
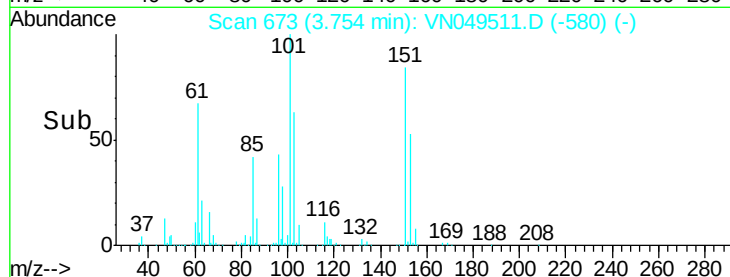
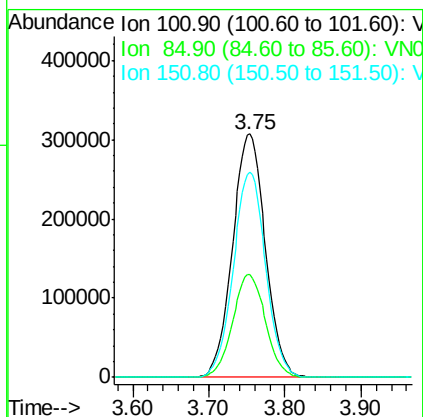
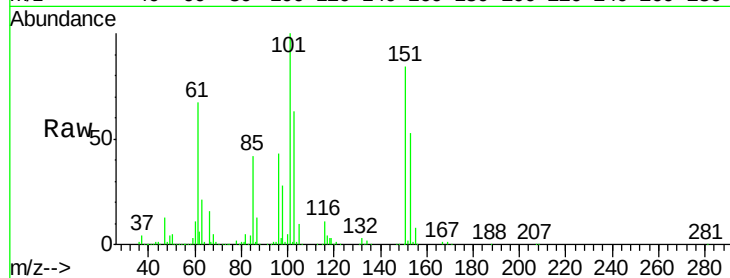
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	917549
Ion Ratio	Lower	Upper	
101	100		
85	42.3	37.6	56.4
151	83.3	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.05 ug/l

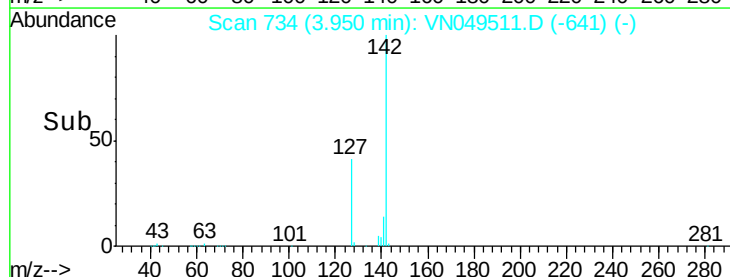
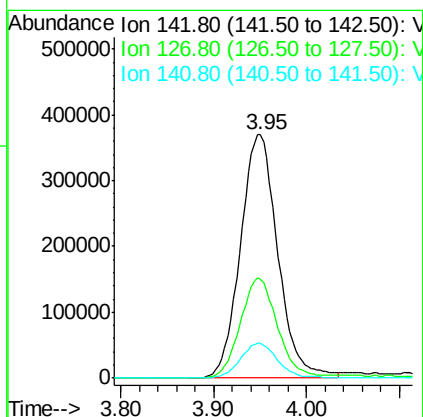
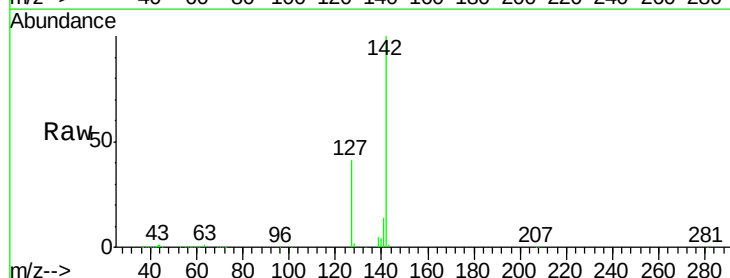
RT: 3.95 min Scan# 734

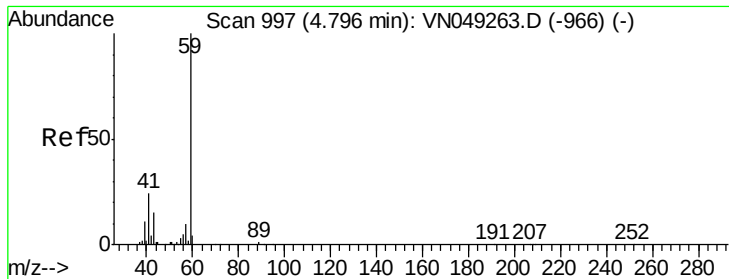
Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion:	142	Resp:	1037956
Ion Ratio	Lower	Upper	
142	100		
127	41.1	38.2	57.4
141	14.2	11.9	17.9





#11

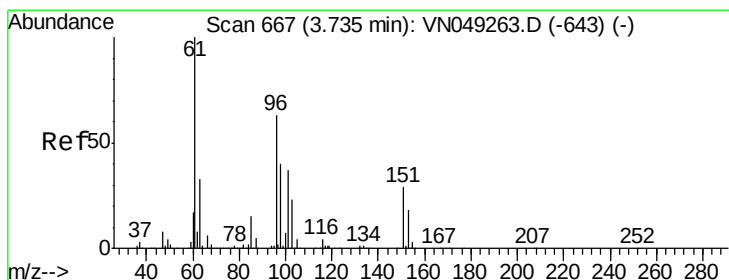
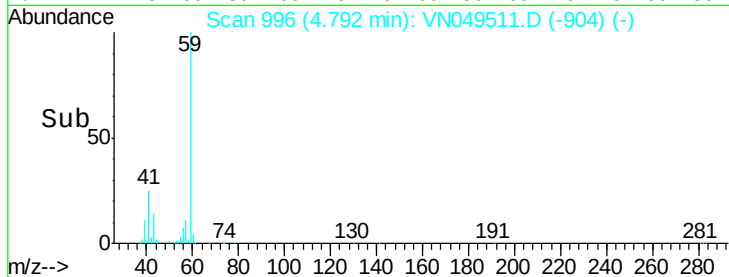
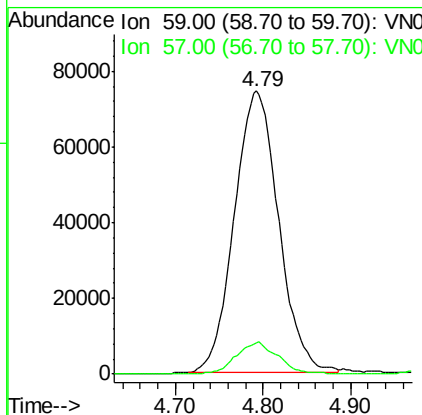
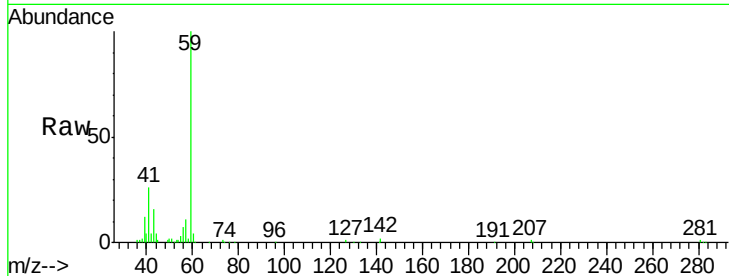
Tert butyl alcohol
 Concen: 210.65 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.6

Manual Integrations
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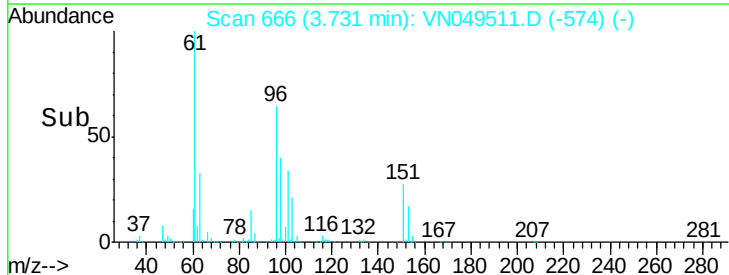
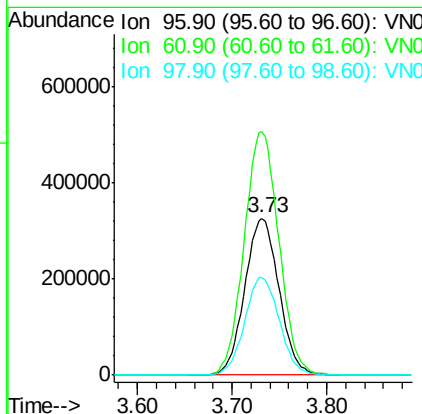
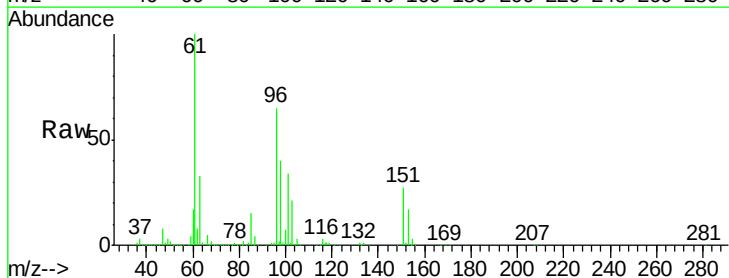
apatel
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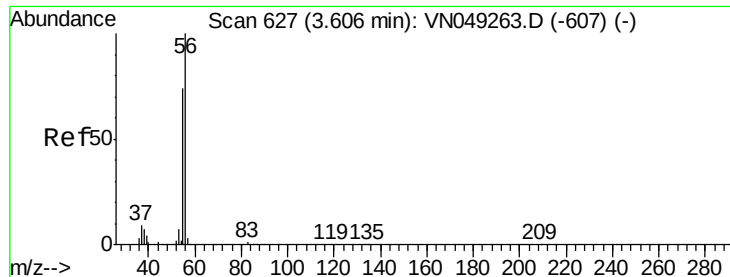


#12

1,1-Dichloroethene
 Concen: 44.86 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	141.0	211.4
98	62.6	50.4	75.6





#13

Acrolein

Concen: 266.02 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 346121

Ion Ratio Lower Upper

56 100

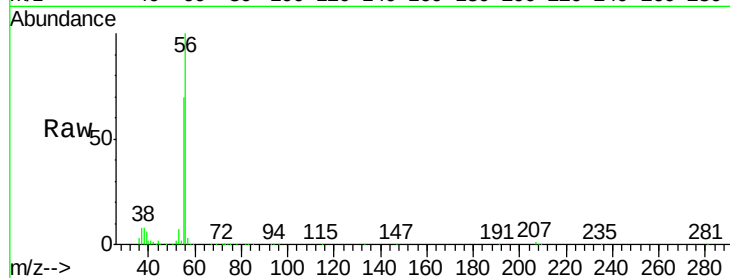
55 70.0 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

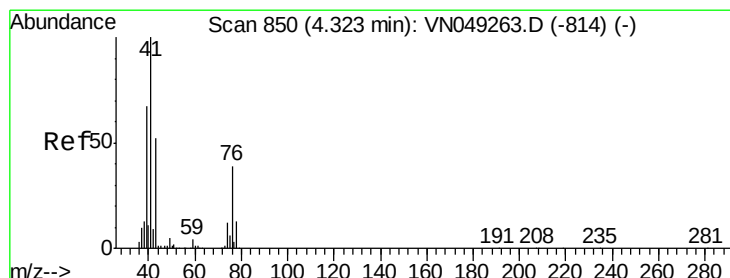
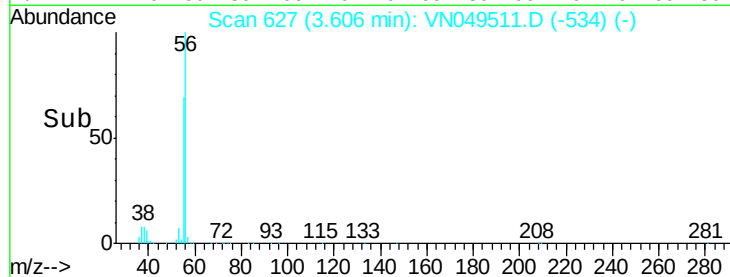
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 46.92 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

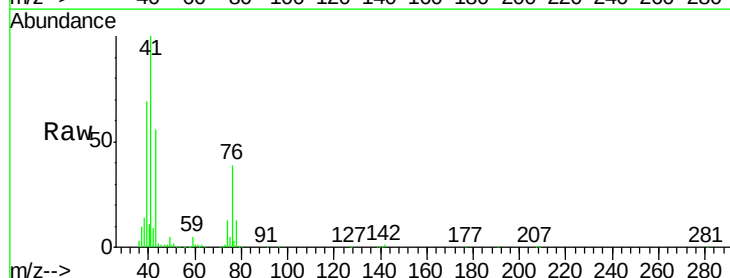
Tgt Ion: 41 Resp: 1353870

Ion Ratio Lower Upper

41 100

39 66.0 62.5 93.7

76 36.8 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

600000

500000

400000

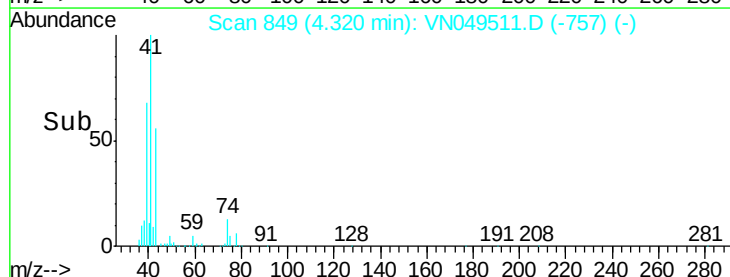
300000

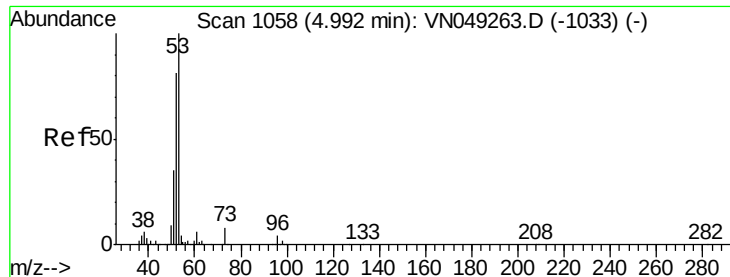
200000

100000

0

Time-->





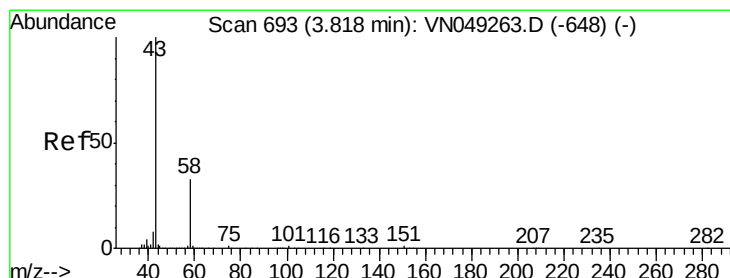
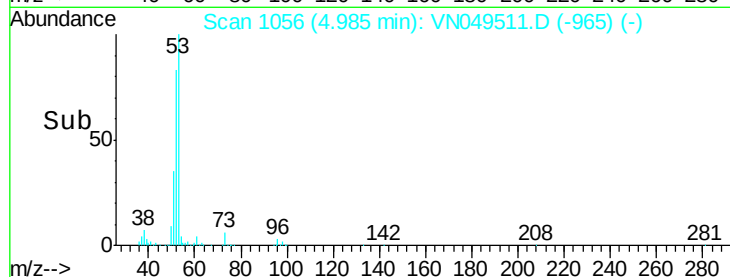
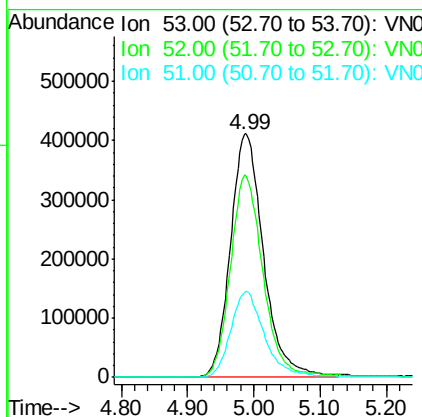
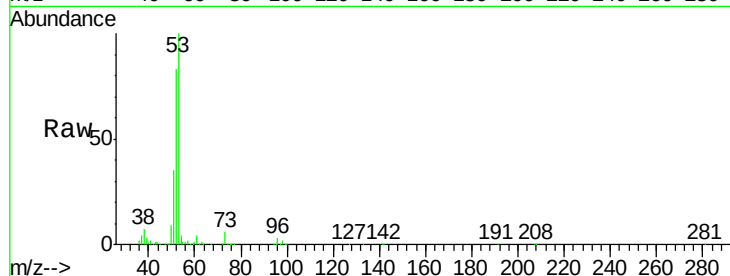
#15
 Acrylonitrile
 Concen: 229.68 ug/l
 RT: 4.99 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.7	66.6	100.0	
51	36.0	29.8	44.8	

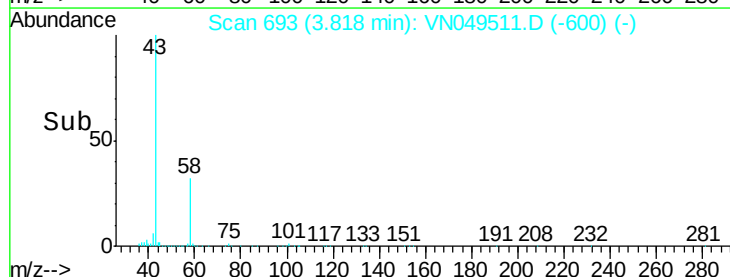
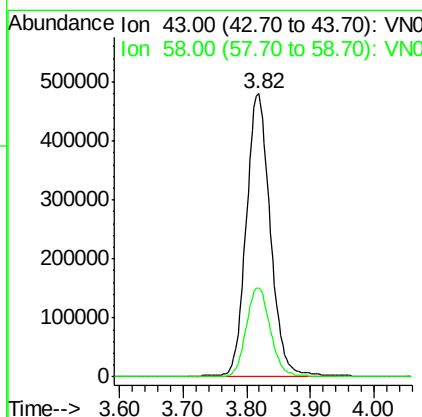
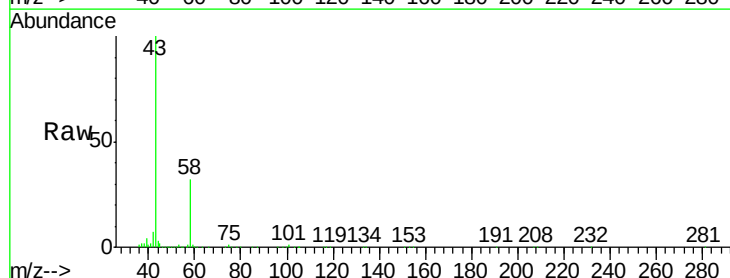
Manual Integrations
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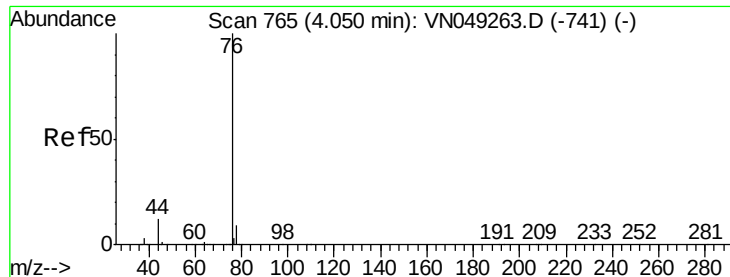
apatel
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#16
 Acetone
 Concen: 246.33 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	31.5	22.4	33.6	





#17

Carbon Disulfide

Concen: 42.12 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 2412809

Ion Ratio Lower Upper

76 100

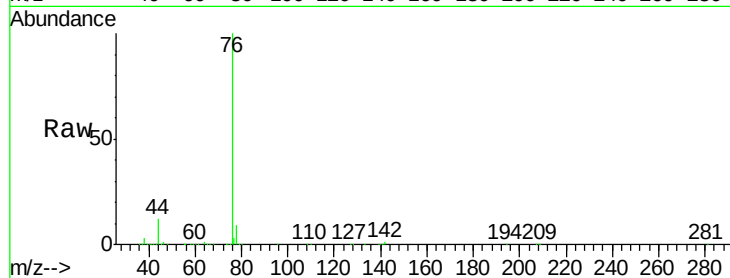
78 9.0 7.4 11.0

Manual Integrations

APPROVED

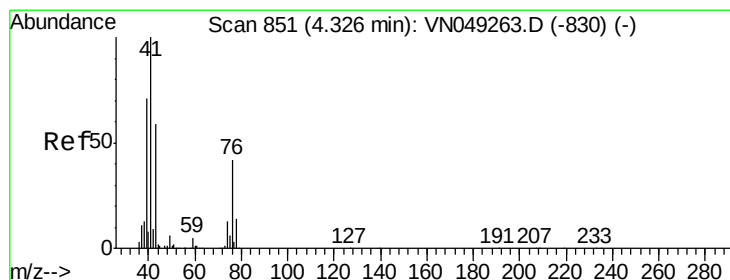
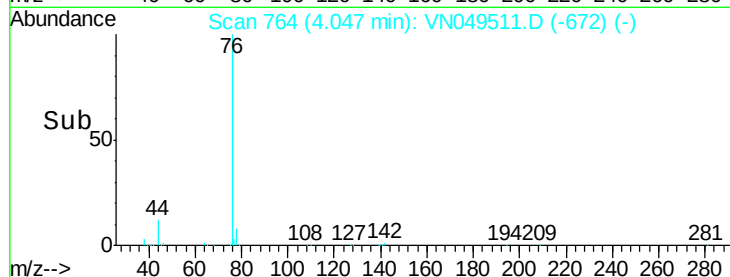
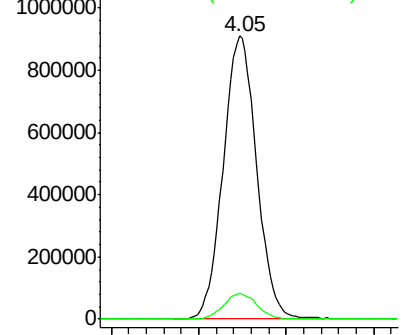
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.06 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049511.D

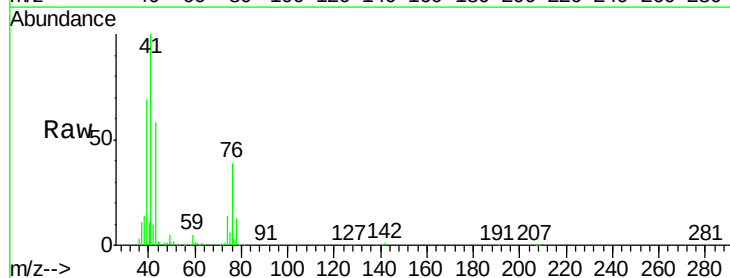
Acq: 25 Jun 2018 13:15

Tgt Ion: 43 Resp: 736562

Ion Ratio Lower Upper

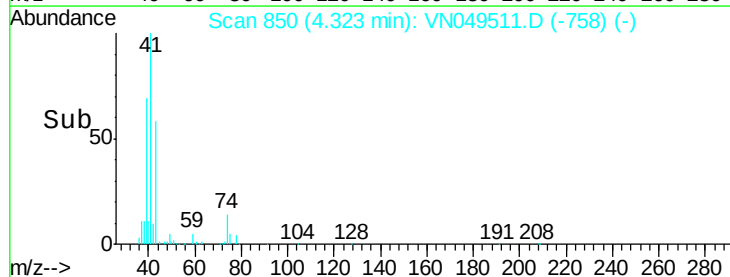
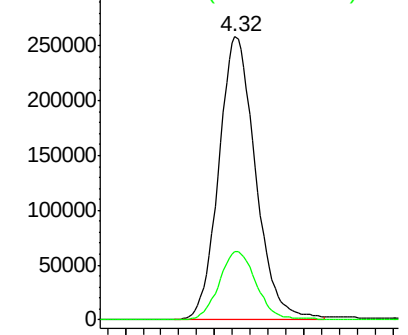
43 100

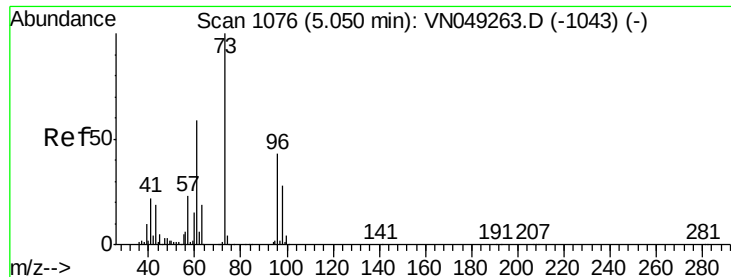
74 24.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

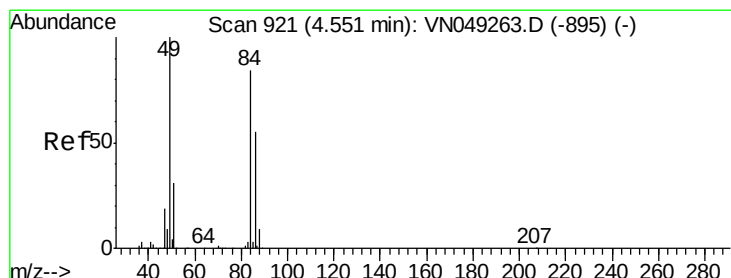
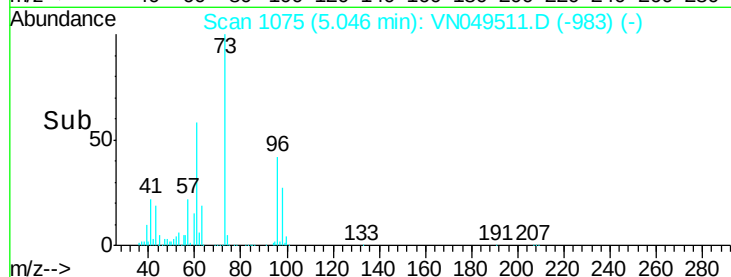
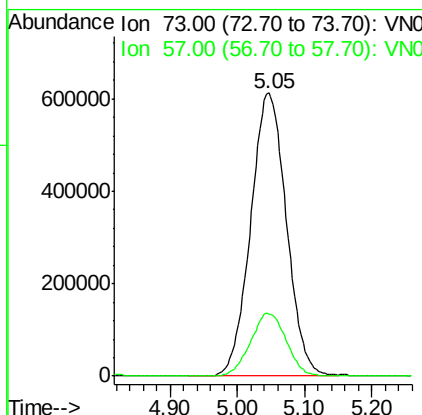
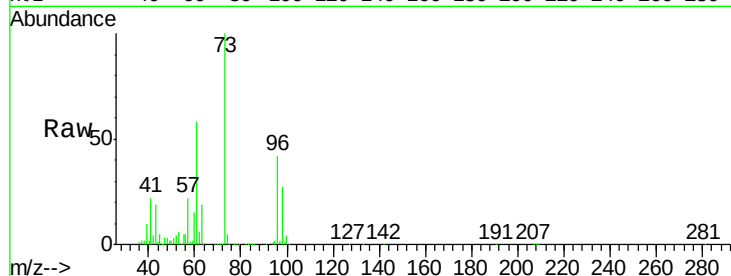
Methyl tert-butyl Ether
 Concen: 48.39 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 2254490
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.2 27.4

Manual Integrations
 APPROVED

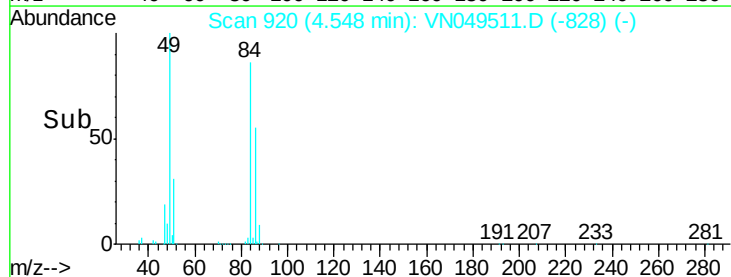
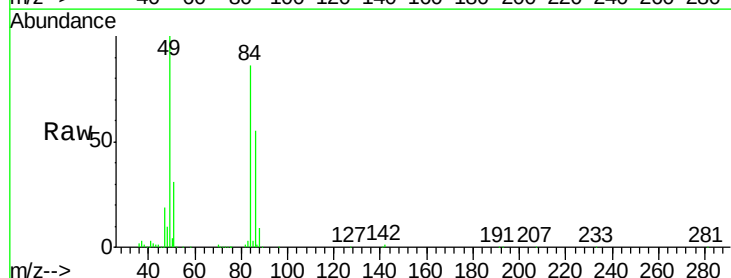
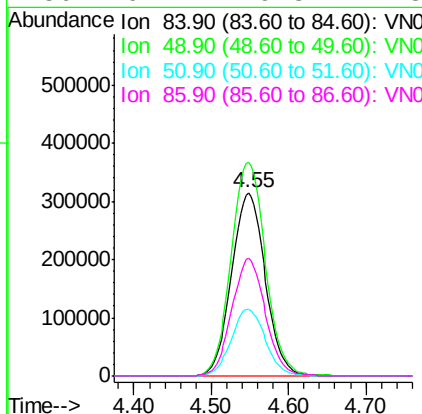
apatel
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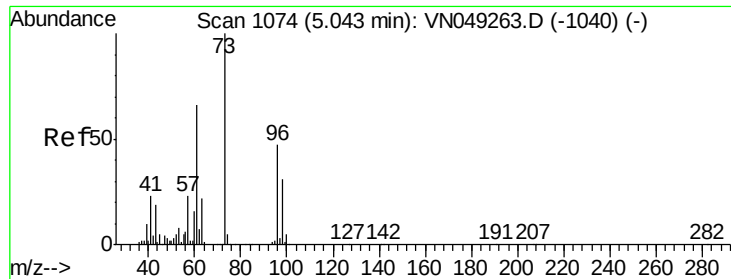


#20

Methylene Chloride
 Concen: 44.48 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion: 84 Resp: 953406
 Ion Ratio Lower Upper
 84 100
 49 116.6 106.9 160.3
 51 36.4 32.7 49.1
 86 64.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.07 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

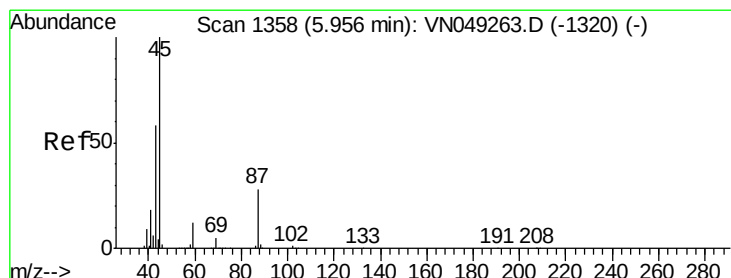
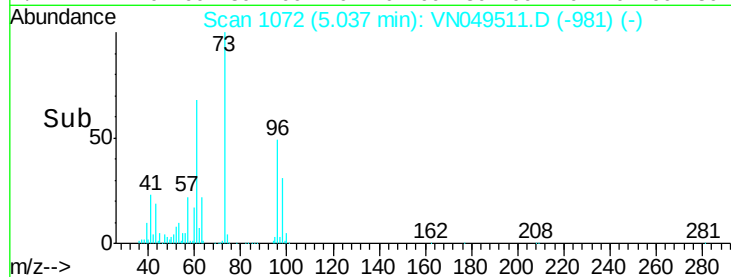
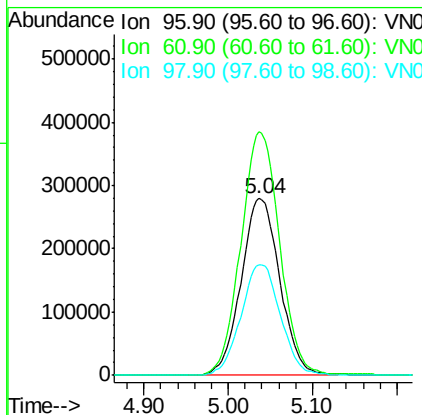
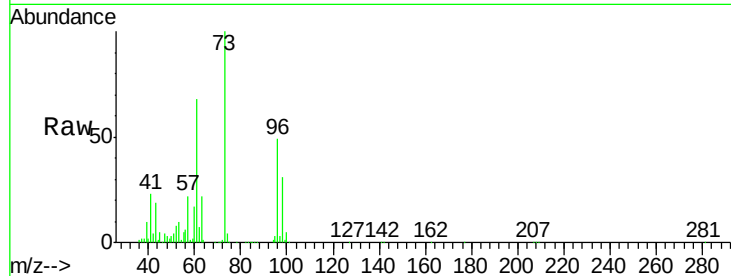
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	891396
Ion	Ratio	Lower	Upper
96	100		
61	137.9	121.3	181.9
98	62.6	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.03 ug/l

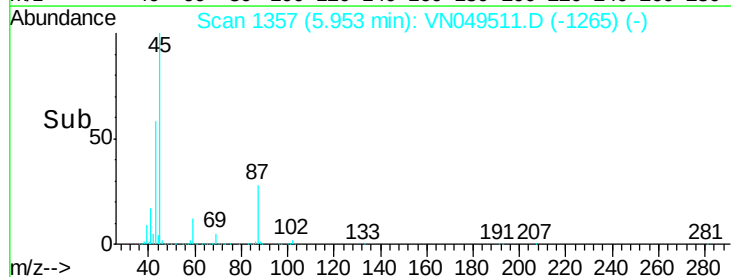
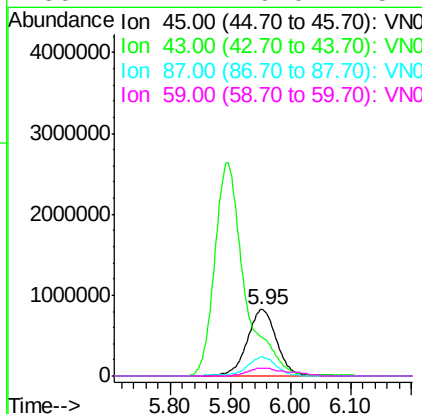
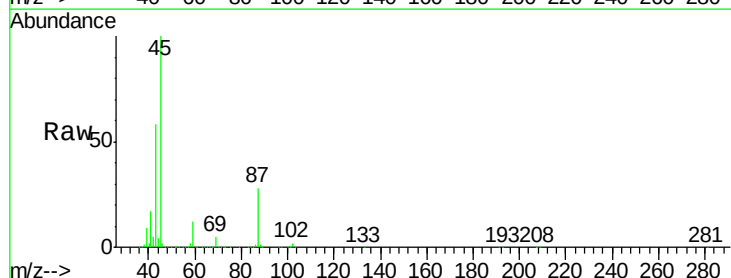
RT: 5.95 min Scan# 1357

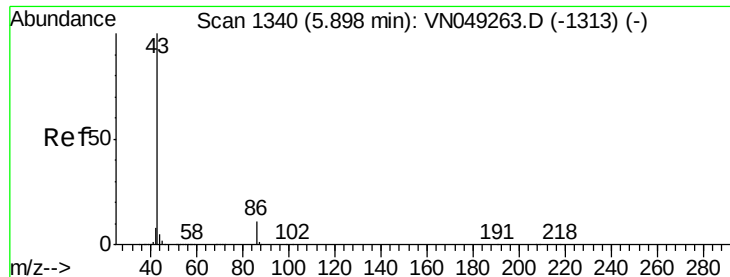
Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion:	45	Resp:	2825378
Ion	Ratio	Lower	Upper
45	100		
43	57.0	48.6	72.8
87	27.9	20.2	30.2
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 240.39 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9030047

Ion Ratio Lower Upper

43 100

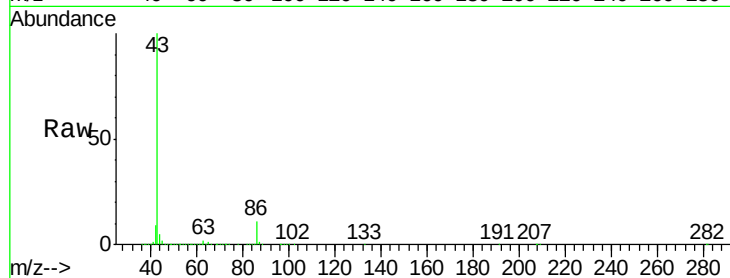
86 10.5 7.2 10.8

Manual Integrations

APPROVED

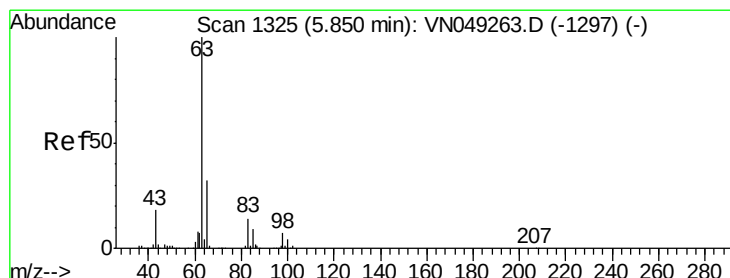
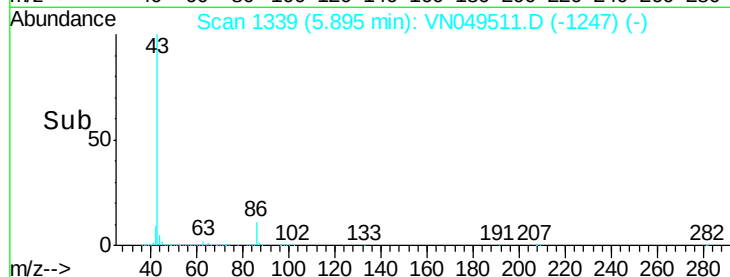
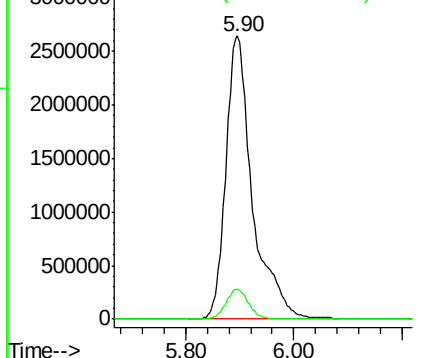
apatel

6/26/2018 5:13:41 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: 45.85 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

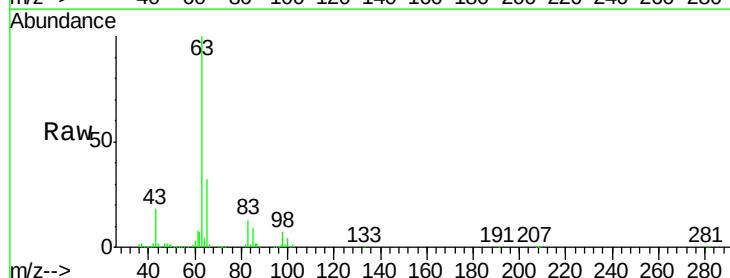
Tgt Ion: 63 Resp: 1690891

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.8

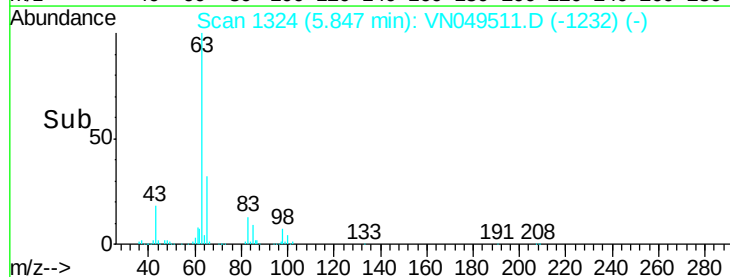
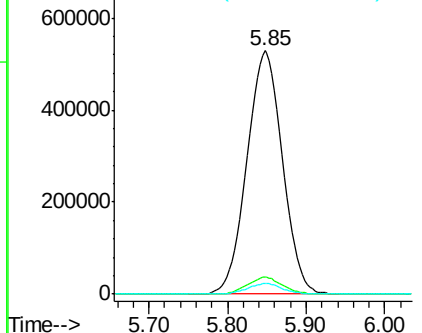
100 4.2 2.1 6.3

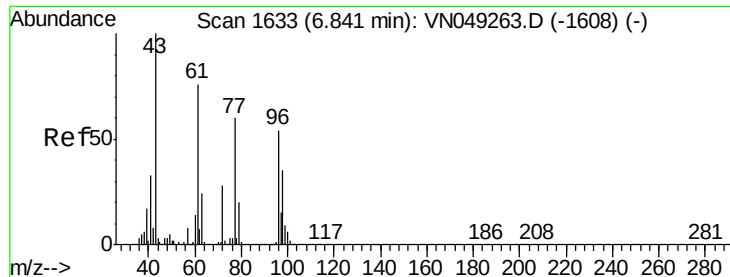


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





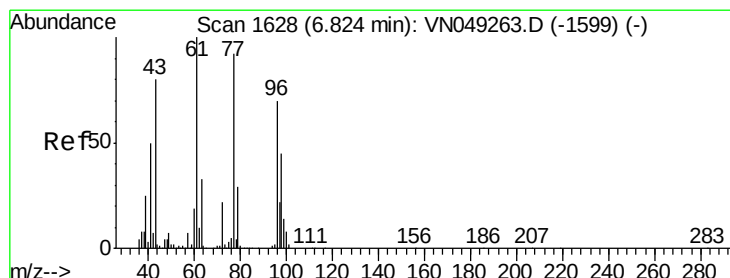
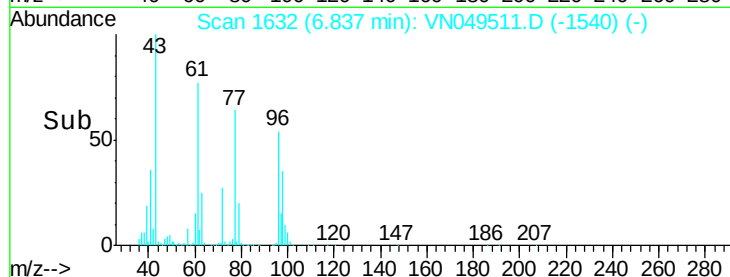
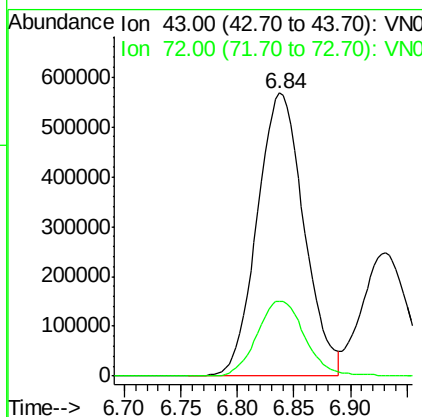
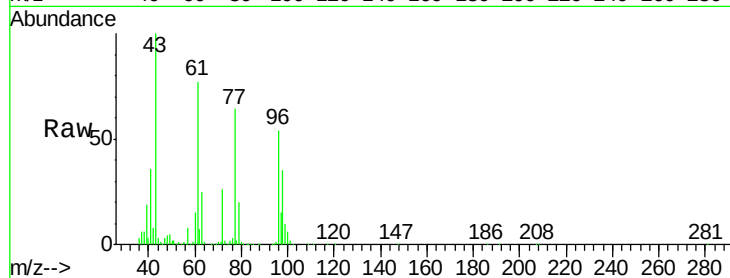
#25
2-Butanone
Concen: 235.71 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1624497
Ion Ratio Lower Upper
43 100
72 26.5 20.2 30.2

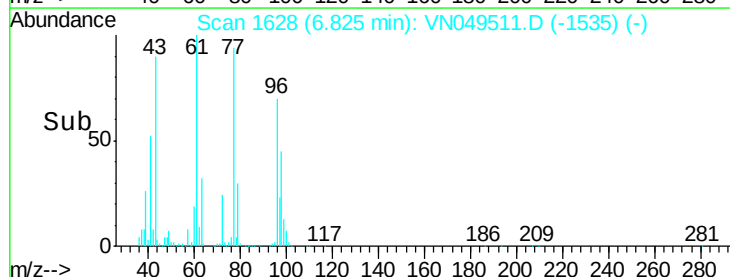
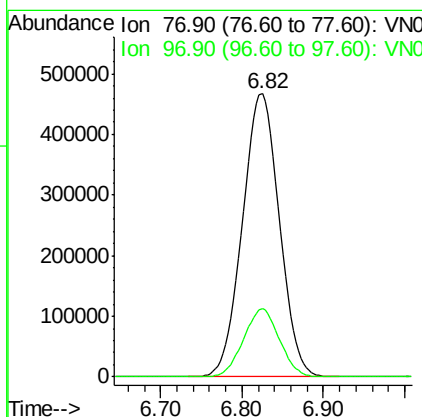
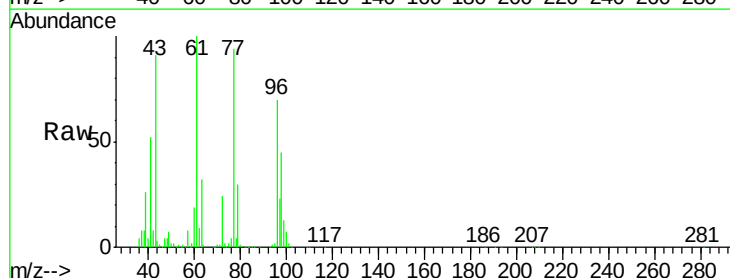
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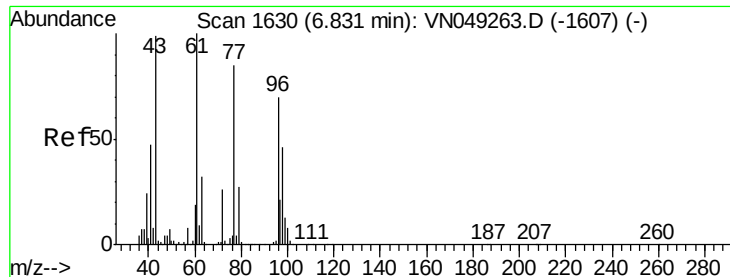
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#26
2,2-Dichloropropane
Concen: 49.10 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion: 77 Resp: 1462416
Ion Ratio Lower Upper
77 100
97 23.4 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 47.31 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 1017657

Ion Ratio Lower Upper

96 100

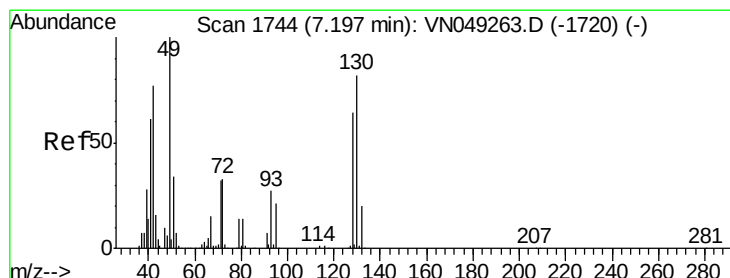
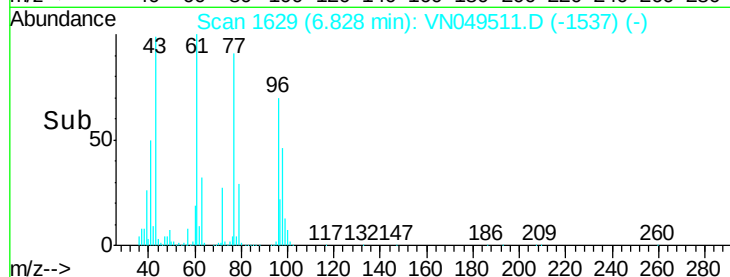
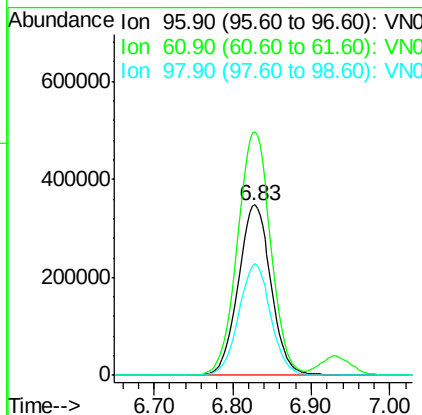
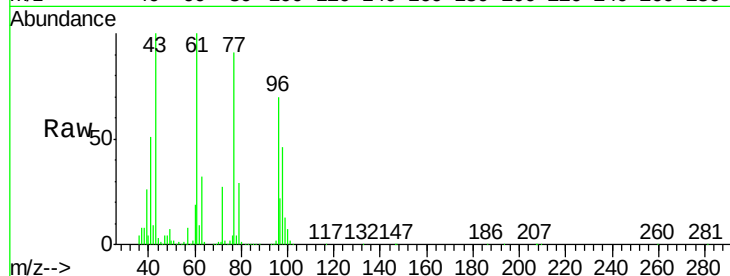
61 144.9 0.0 316.4

98 64.0 0.0 128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 51.81 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

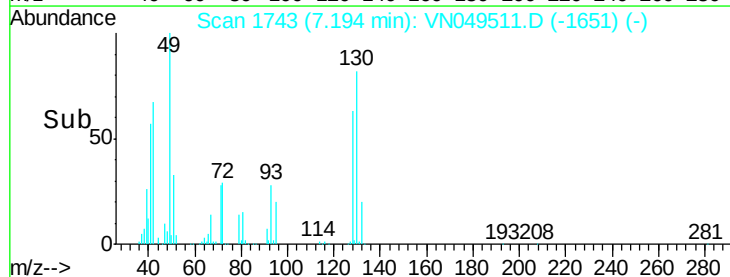
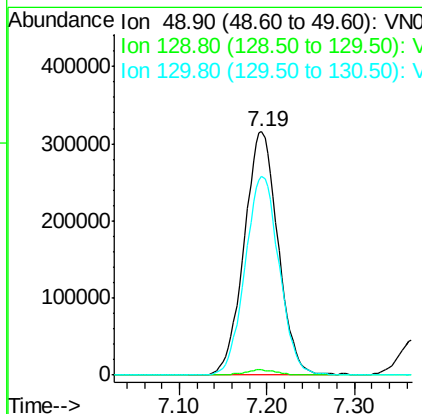
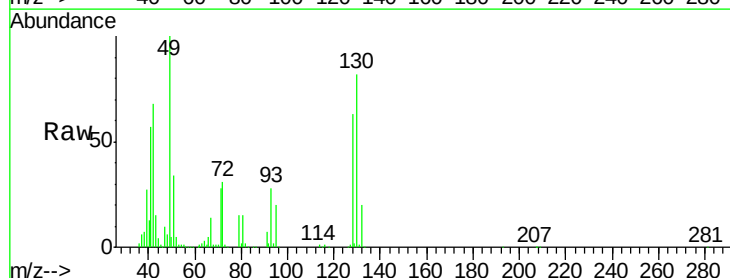
Tgt Ion: 49 Resp: 847062

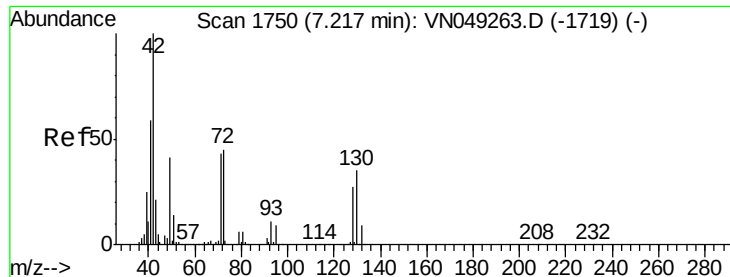
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 82.3 54.9 82.3





#29

Tetrahydrofuran

Concen: 230.15 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 1021062

Ion Ratio Lower Upper

42 100

72 44.4 32.2 48.4

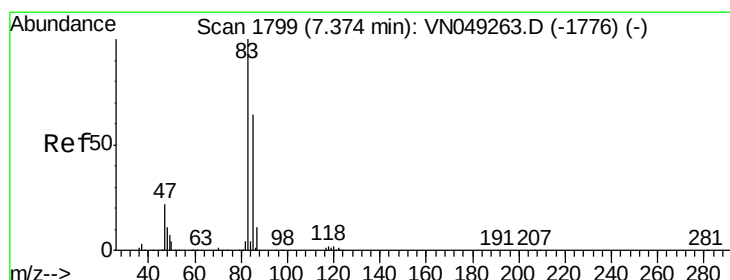
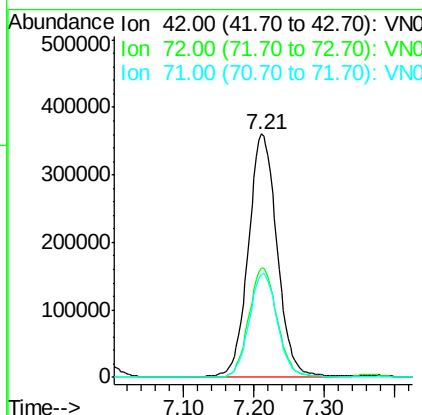
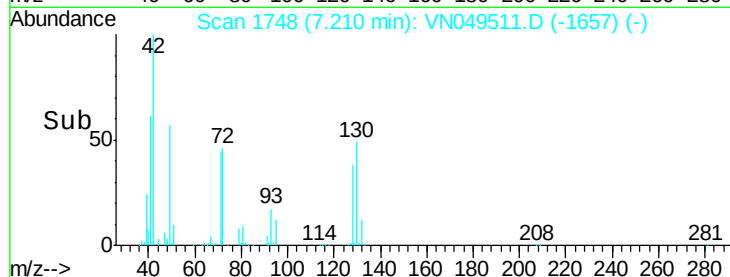
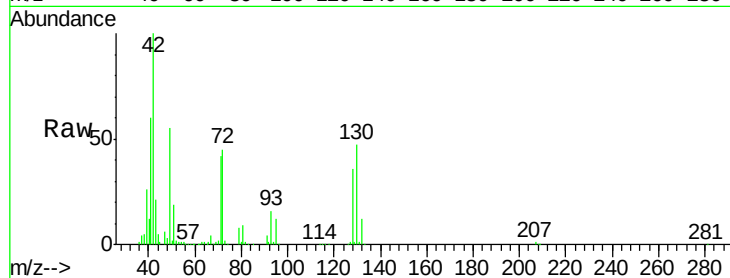
71 41.9 30.5 45.7

Manual Integrations

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#30

Chloroform

Concen: 46.60 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049511.D

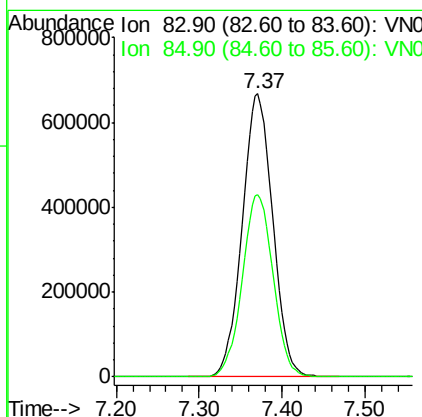
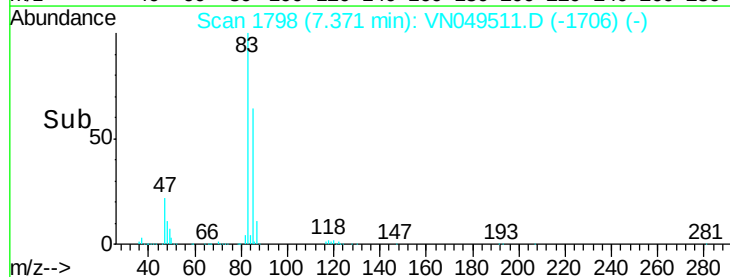
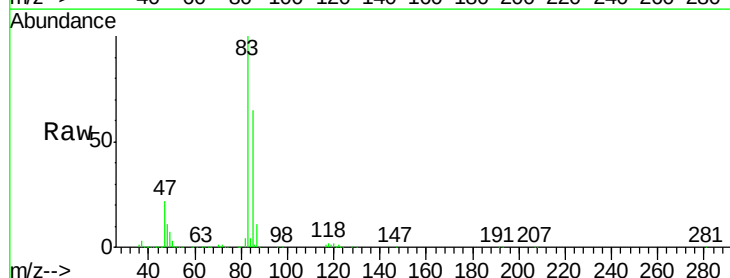
Acq: 25 Jun 2018 13:15

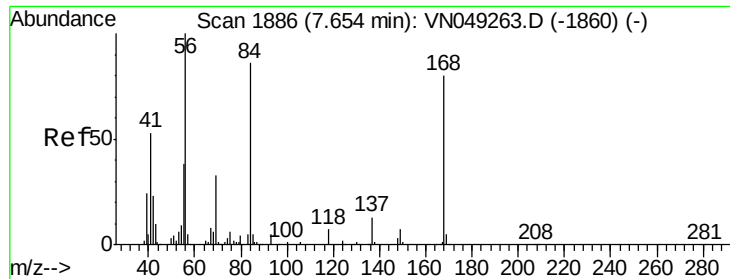
Tgt Ion: 83 Resp: 1710491

Ion Ratio Lower Upper

83 100

85 64.5 51.7 77.5





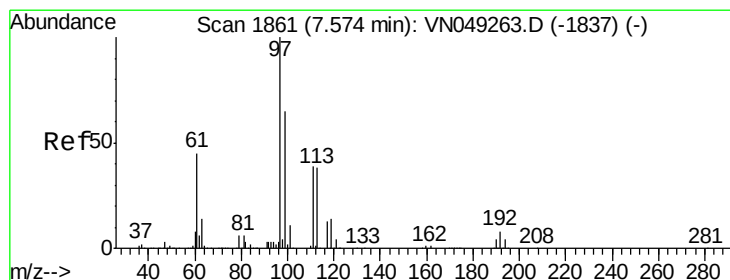
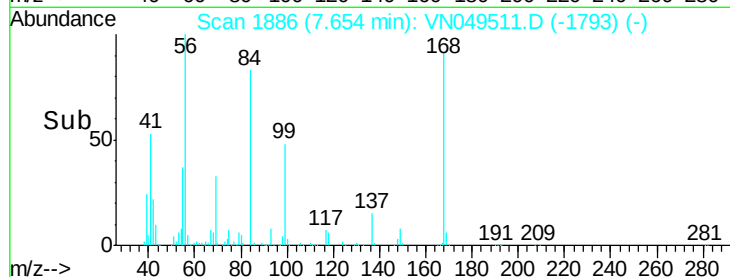
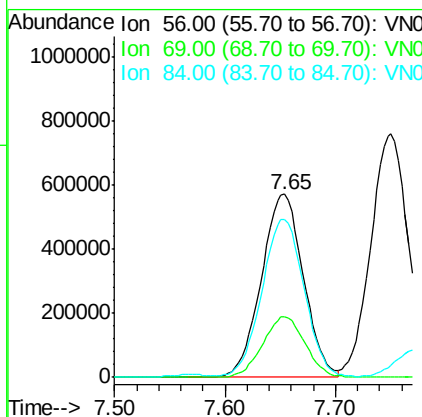
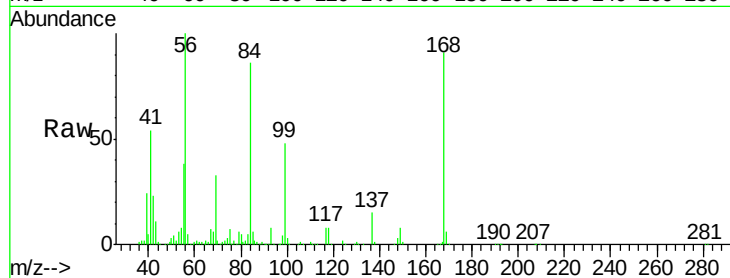
#31
Cyclohexane
Concen: 48.33 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.0	37.4
84	84.9	64.6	96.8

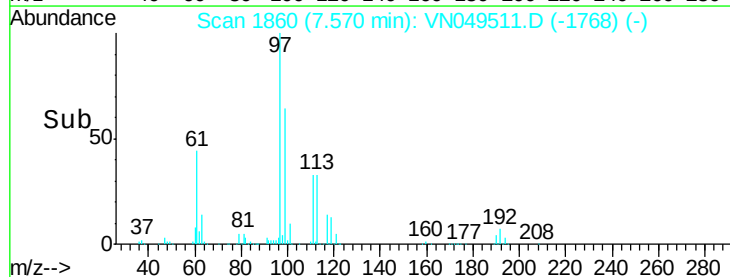
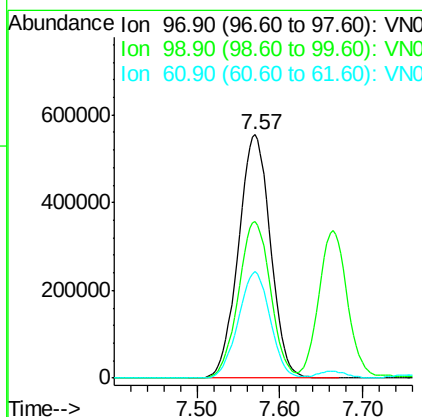
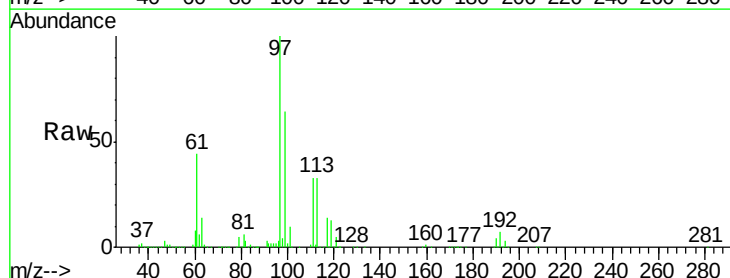
Manual Integrations
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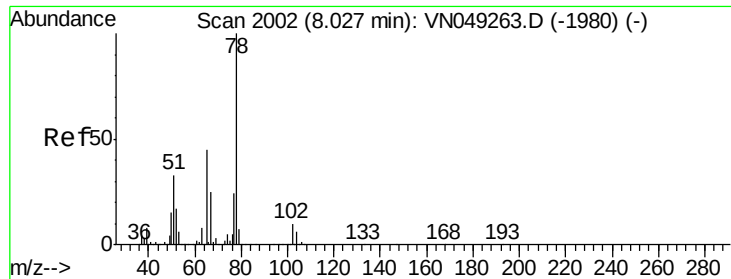
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#32
1,1,1-Trichloroethane
Concen: 47.59 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	43.4	37.9	56.9





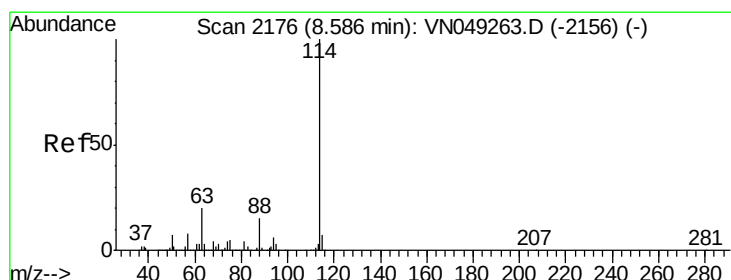
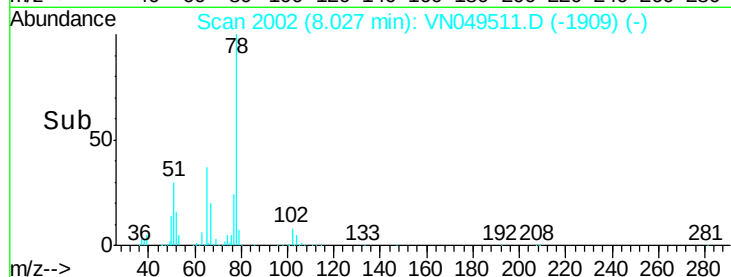
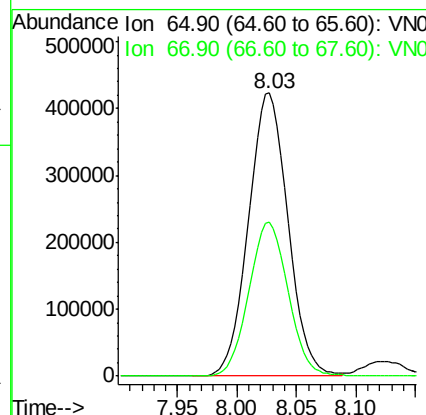
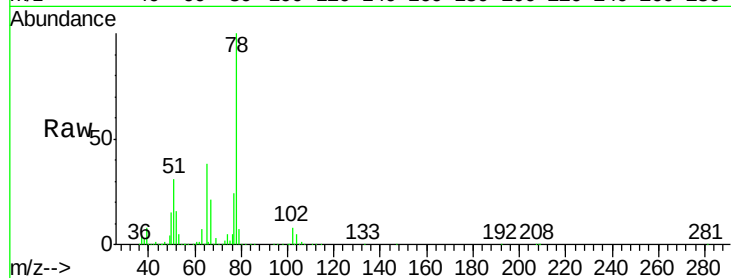
#33
 1,2-Dichloroethane-d4
 Concen: 46.01 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	103.8	

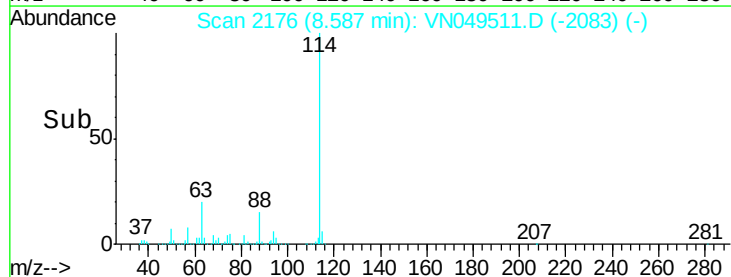
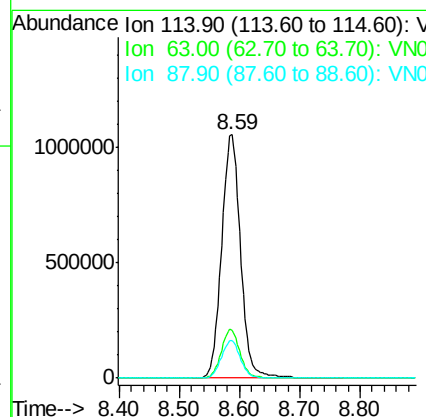
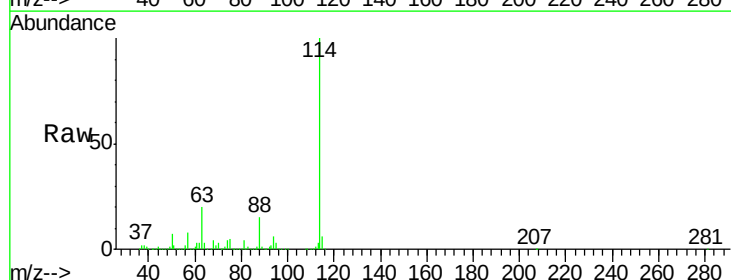
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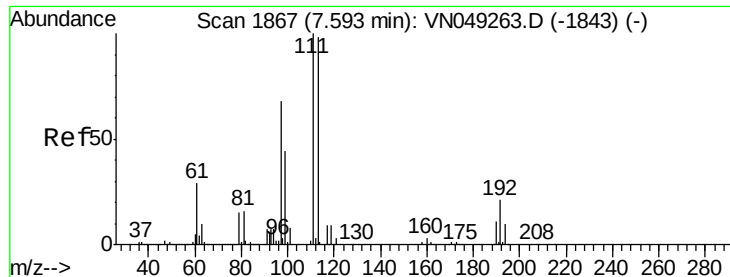
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	44.4	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.57 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

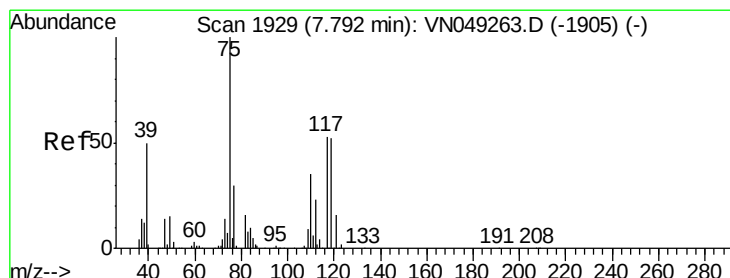
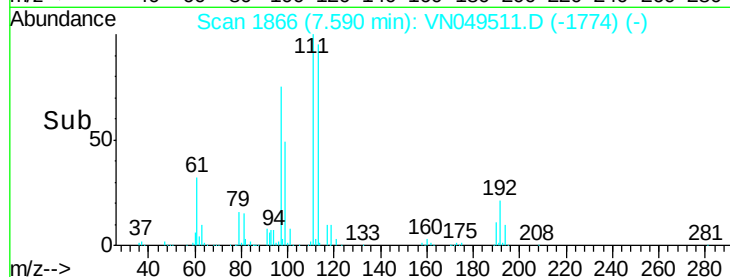
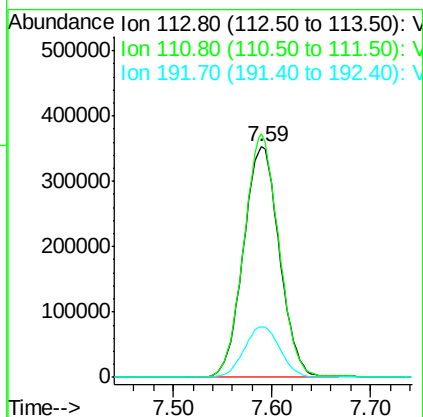
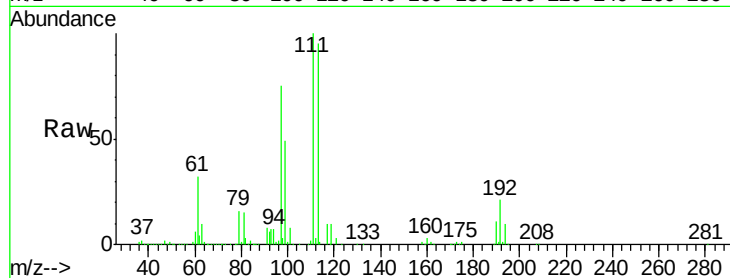
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	890336
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	22.1	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.76 ug/l

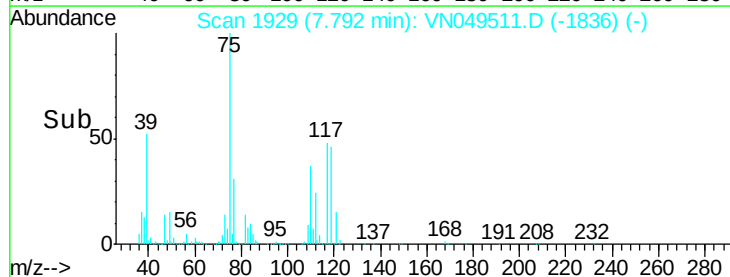
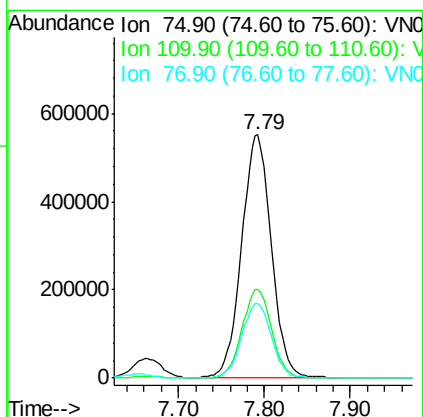
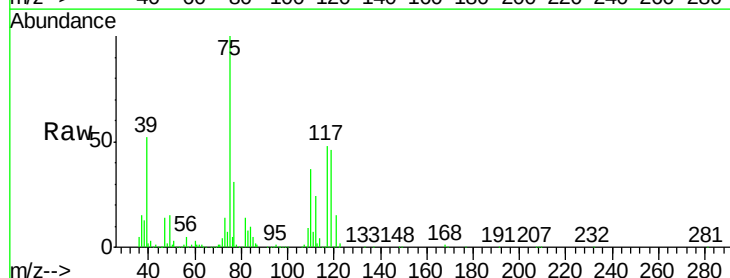
RT: 7.79 min Scan# 1929

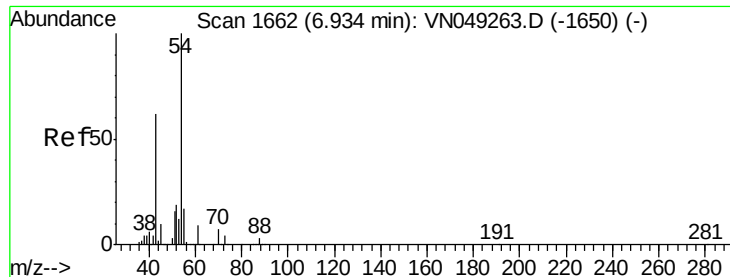
Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion:	75	Resp:	1318295
Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.0	50.9
77	31.0	24.4	36.6





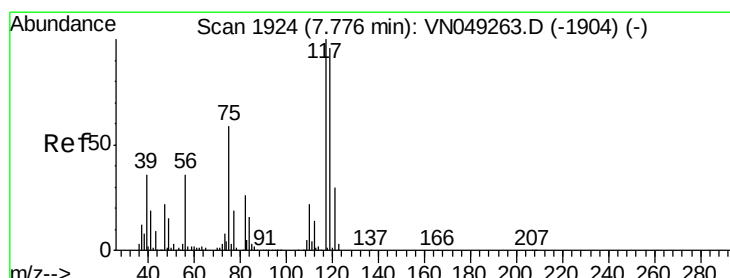
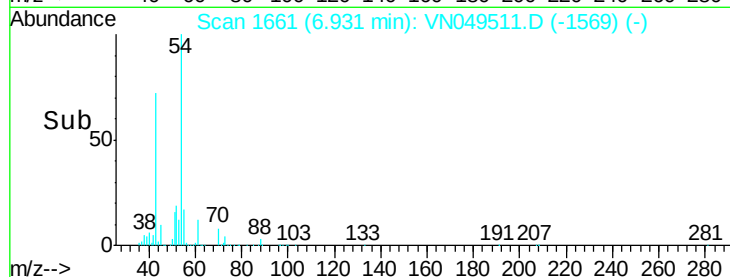
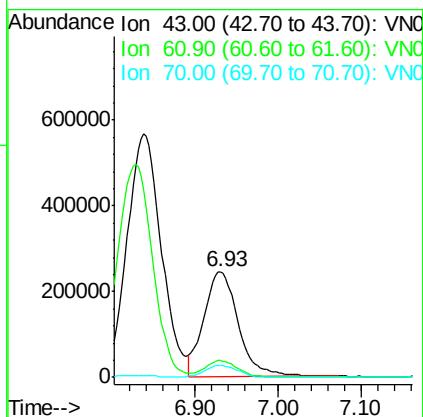
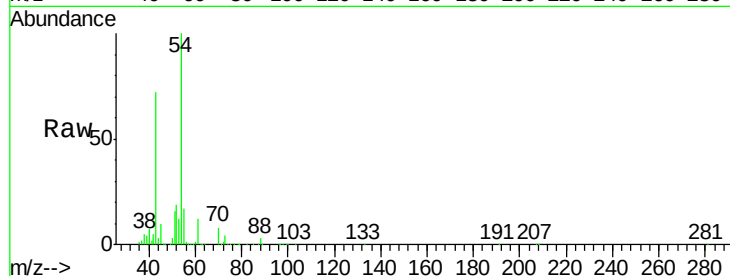
#37
Ethyl Acetate
Concen: 50.17 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	10.7	7.2	10.8

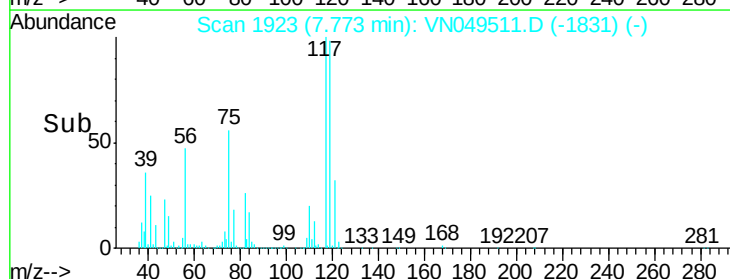
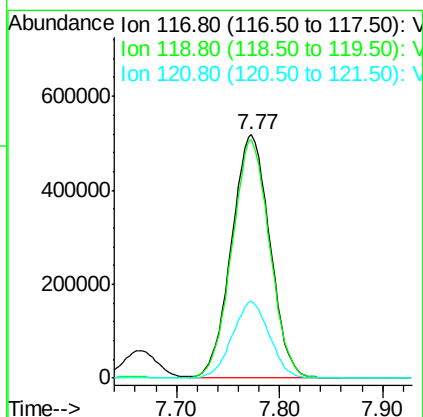
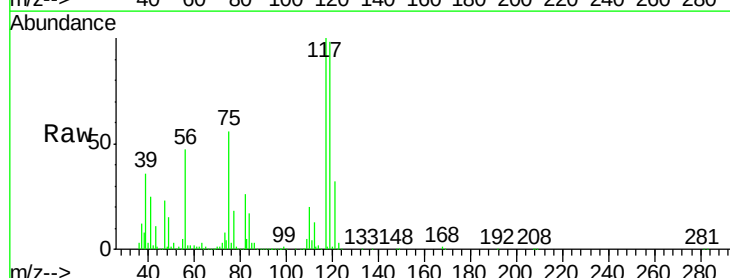
Manual Integrations
APPROVED

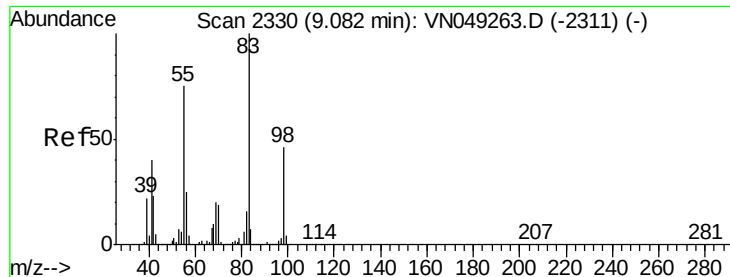
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#38
Carbon Tetrachloride
Concen: 49.65 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.6	113.4
121	31.5	24.7	37.1





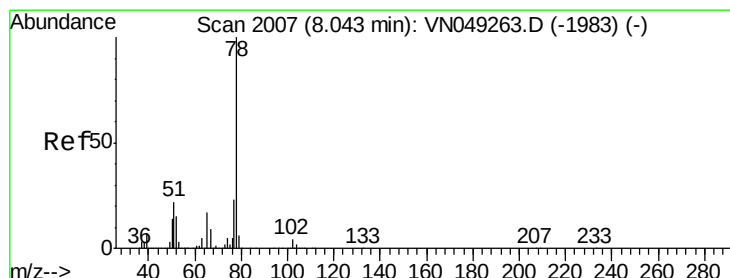
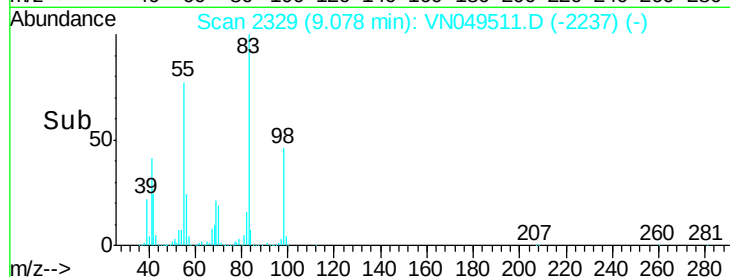
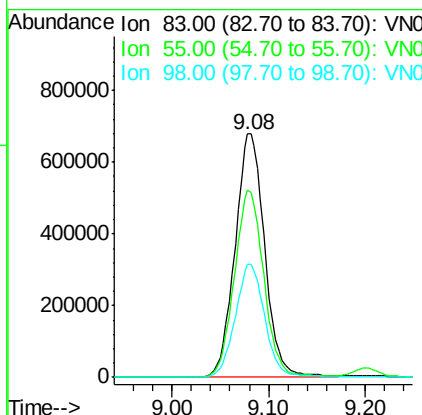
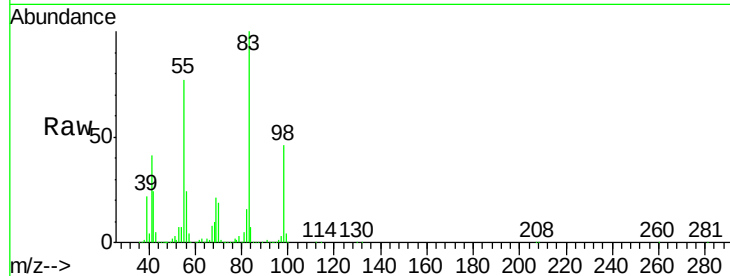
#39
Methvlcvclohexane
Concen: 51.82 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1444520
Ion Ratio Lower Upper
83 100
55 76.8 65.1 97.7
98 46.5 36.5 54.7

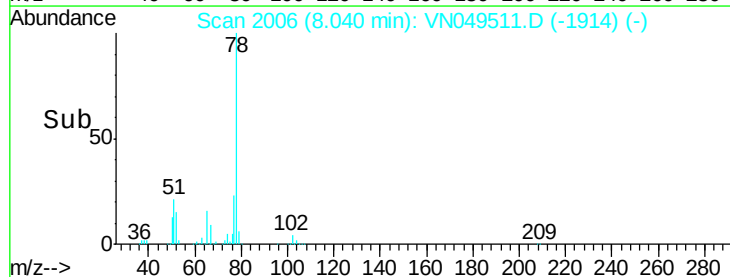
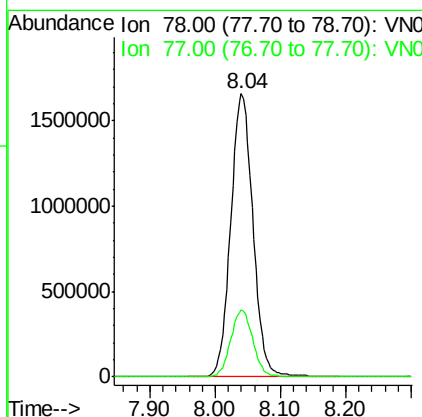
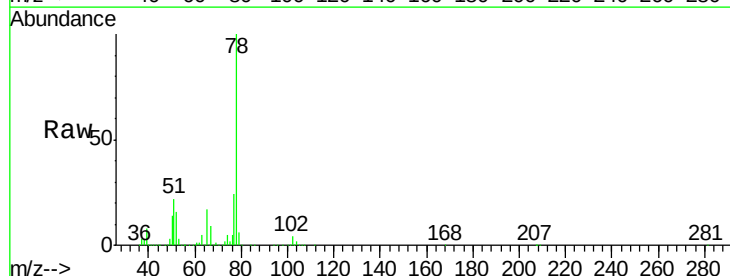
Manual Integrations
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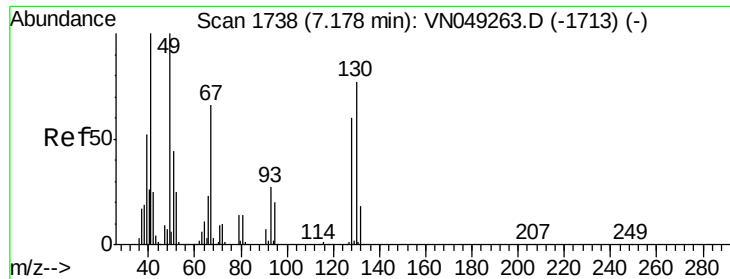
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#40
Benzene
Concen: 49.13 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion: 78 Resp: 3911414
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0





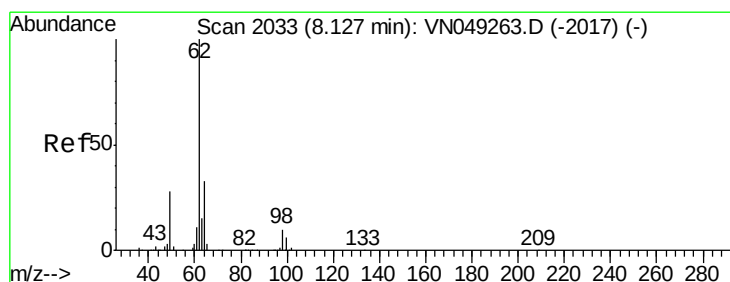
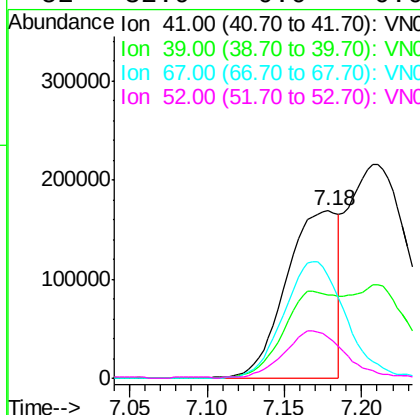
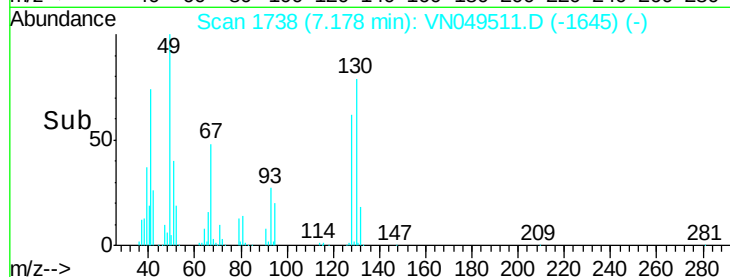
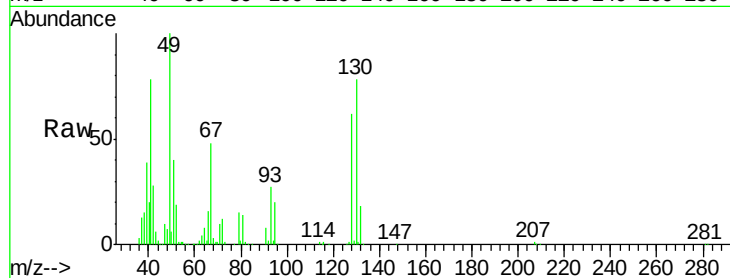
#41
Methacrylonitrile
Concen: 50.92 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	388623
Ion	Ratio	Lower	Upper
41	100		
39	52.5	0.0	0.0#
67	85.1	0.0	0.0#
52	32.9	0.0	0.0#

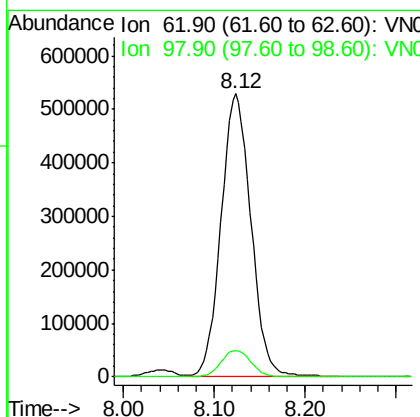
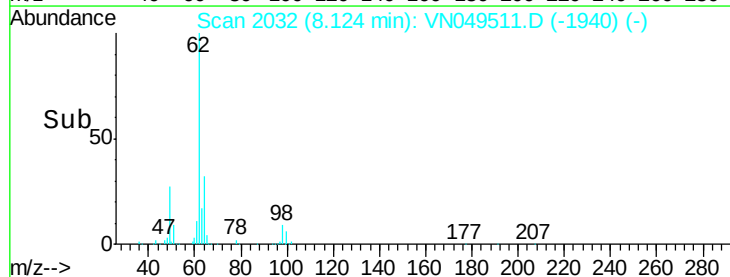
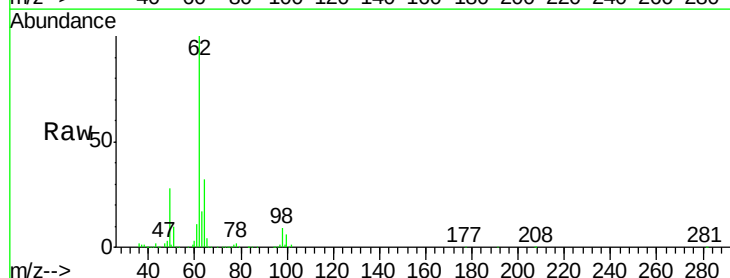
Manual Integrations
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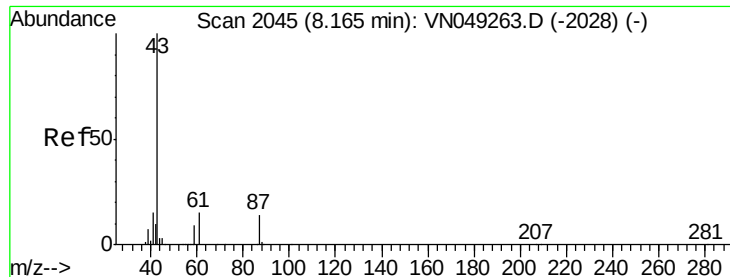
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#42
1,2-Dichloroethane
Concen: 48.83 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	62	Resp	1201144
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 47.81 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1289672

Ion Ratio Lower Upper

43 100

61 20.5 14.2 21.4

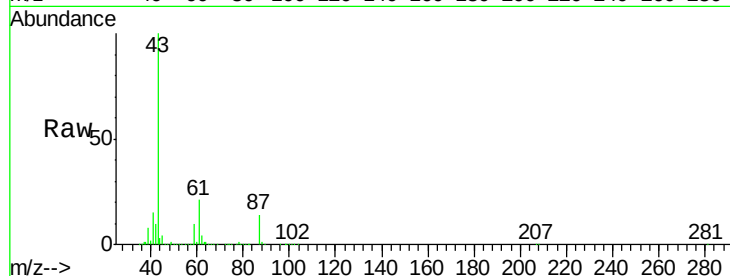
87 13.8 9.4 14.0

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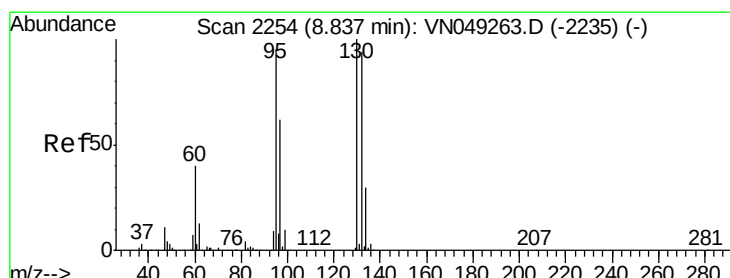
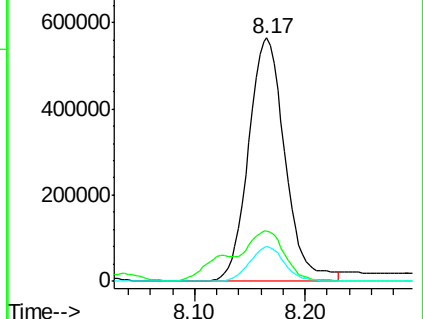
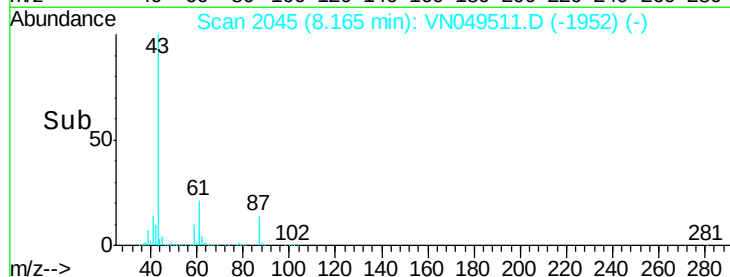


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)

Time-->



#44

Trichloroethene

Concen: 50.69 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049511.D

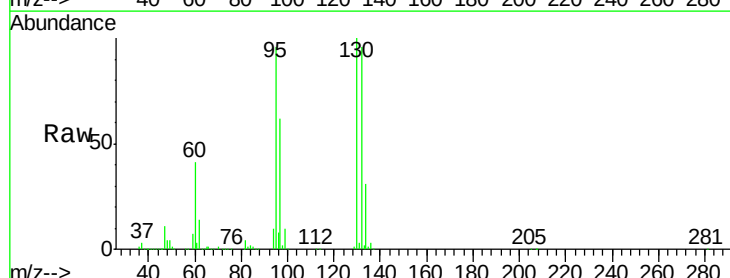
Acq: 25 Jun 2018 13:15

Tgt Ion:130 Resp: 1065846

Ion Ratio Lower Upper

130 100

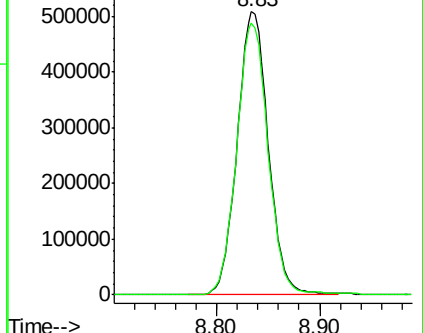
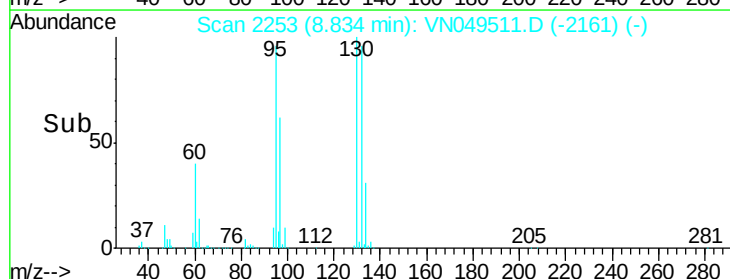
95 96.1 0.0 208.6

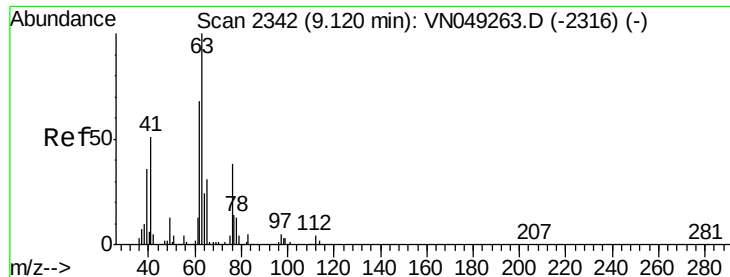


Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

Time-->





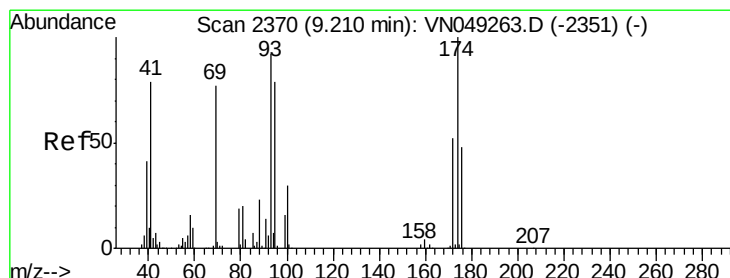
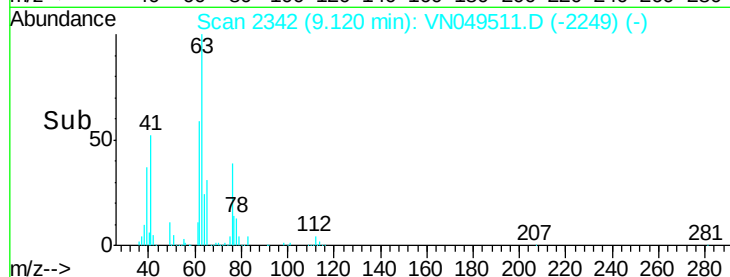
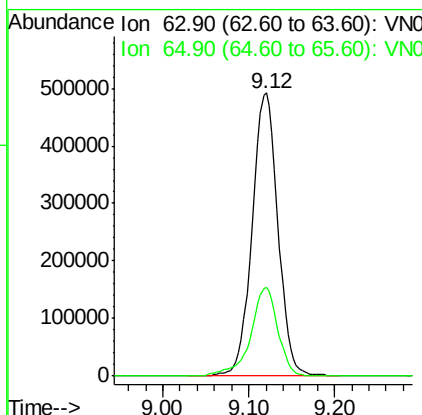
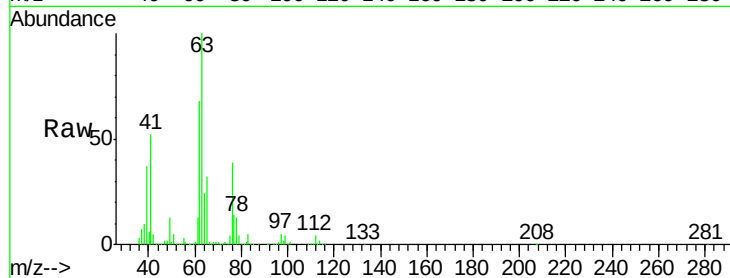
#45
 1,2-Dichloropropane
 Concen: 49.44 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 1030688
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

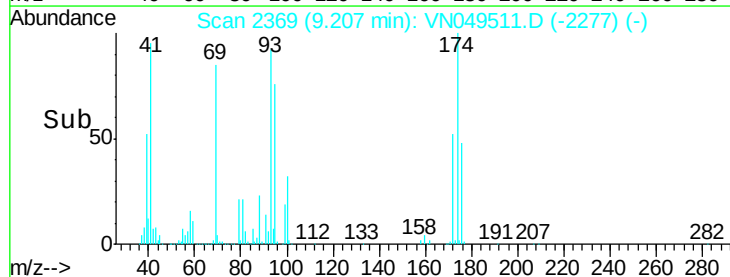
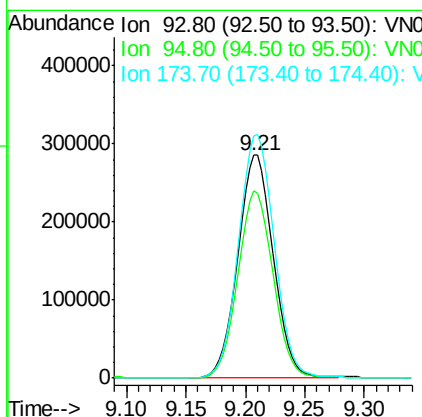
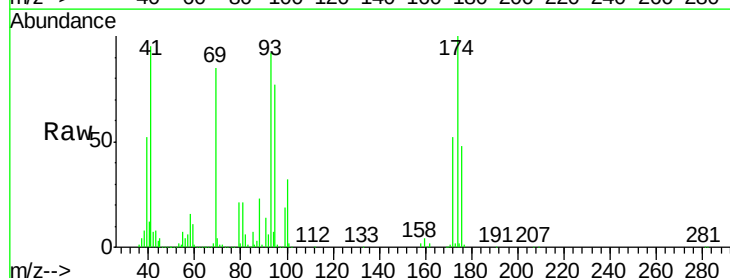
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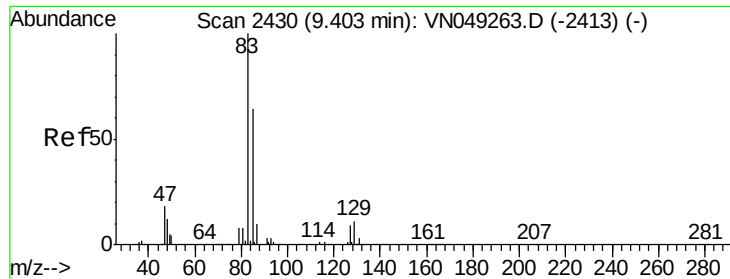
apatel
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#46
 Dibromomethane
 Concen: 48.85 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion: 93 Resp: 590487
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 110.5 75.6 113.4





#47

Bromodichloromethane

Concen: 49.47 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1314018

Ion Ratio Lower Upper

83 100

85 64.2 49.4 74.0

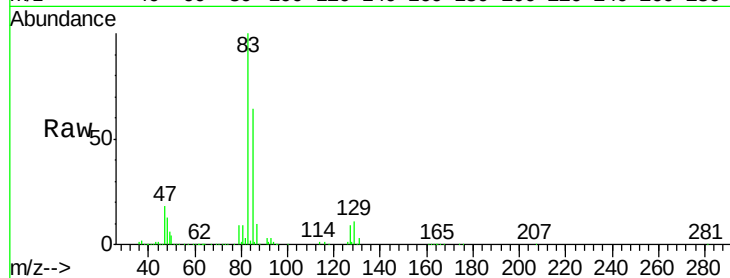
127 9.3 6.3 9.5

Manual Integrations

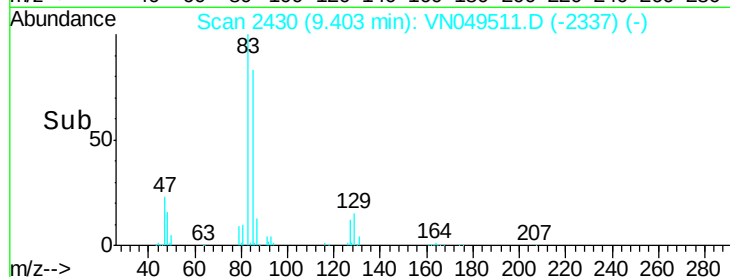
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Abundance Ion 82.90 (82.60 to 83.60): VN049511.D (-2337) (-)

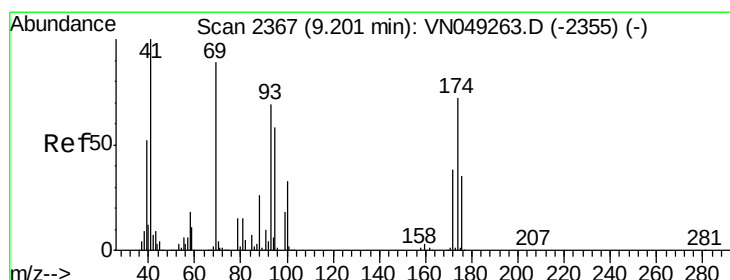


Ion 84.90 (84.60 to 85.60): VN049511.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049511.D (-2337) (-)

Time-->

9.30 9.40 9.50



#48

Methyl methacrylate

Concen: 52.13 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

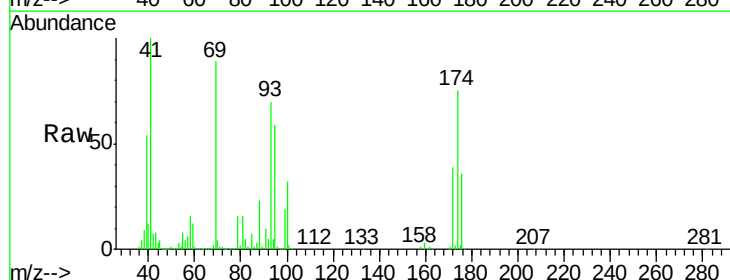
Tgt Ion: 41 Resp: 662242

Ion Ratio Lower Upper

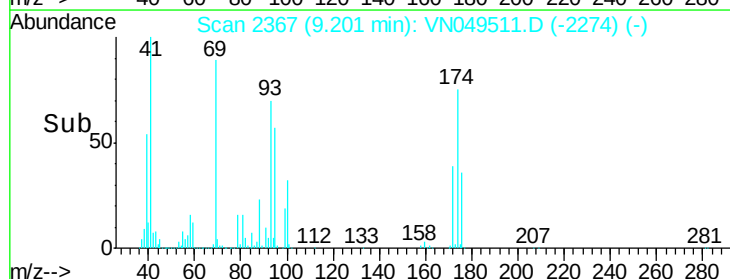
41 100

69 89.5 62.0 93.0

39 54.0 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN049511.D (-2274) (-)

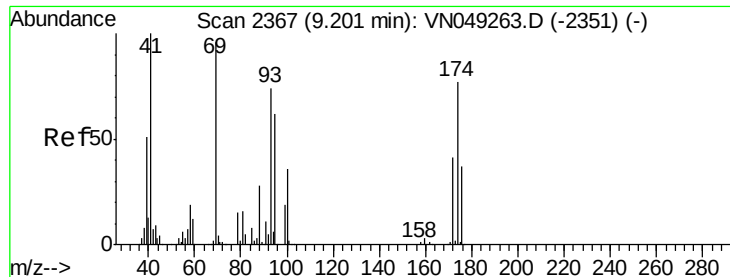


Ion 69.00 (68.70 to 69.70): VN049511.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049511.D (-2274) (-)

Time-->

9.15 9.20 9.25



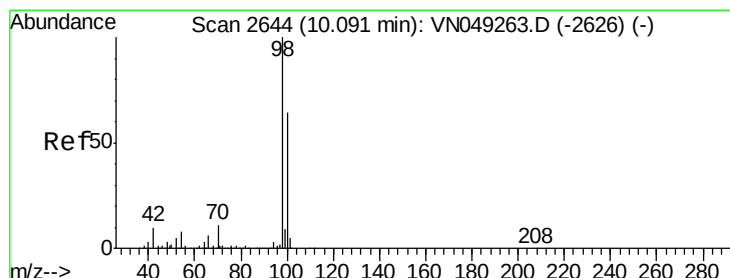
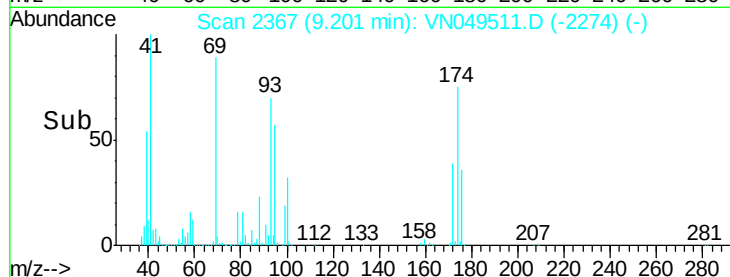
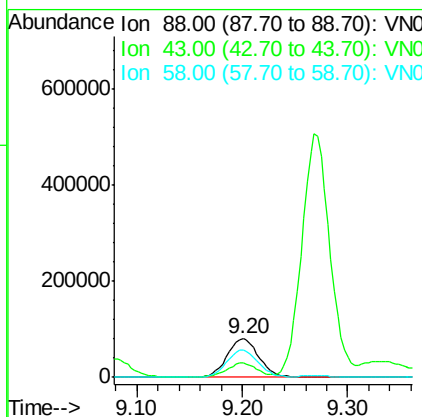
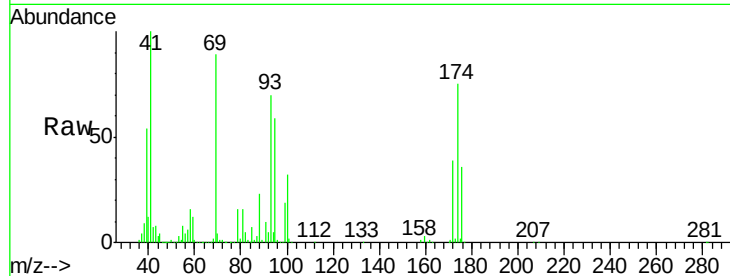
#49
1,4-Dioxane
Concen: 965.03 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	169191
Ion	Ratio	Lower	Upper
88	100		
43	32.6	30.9	46.3
58	69.7	58.9	88.3

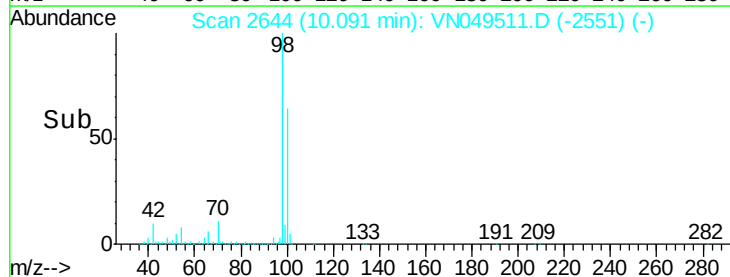
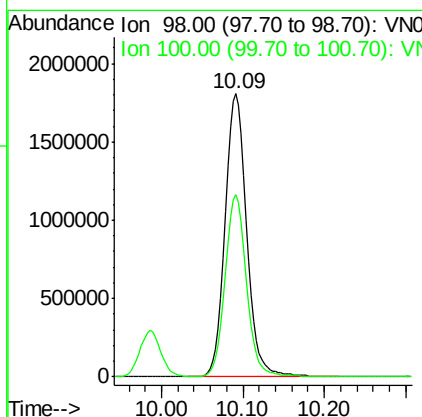
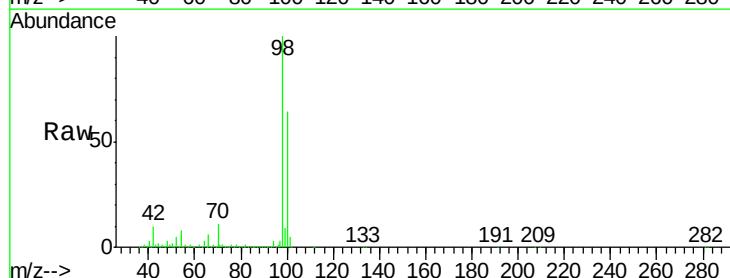
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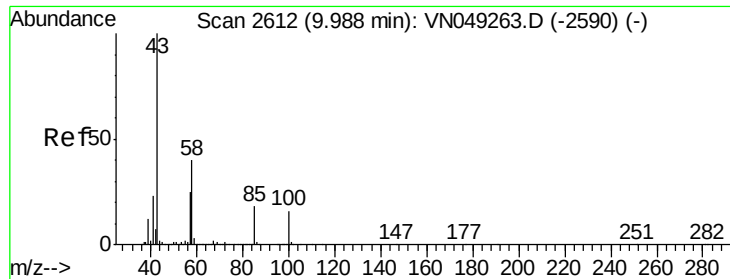
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#50
Toluene-d8
Concen: 48.86 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	98	Resp	3410880
Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.8





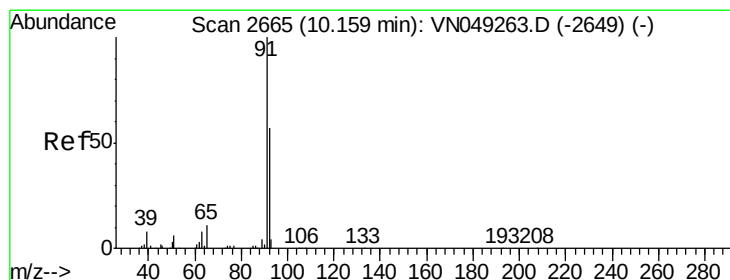
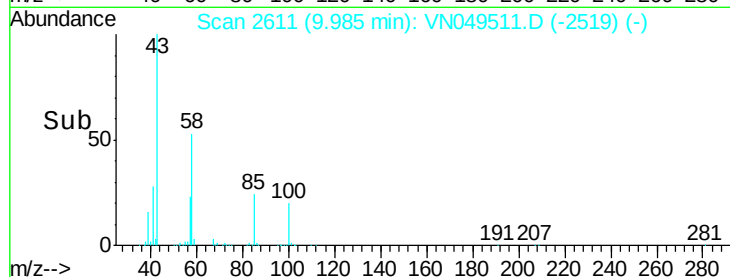
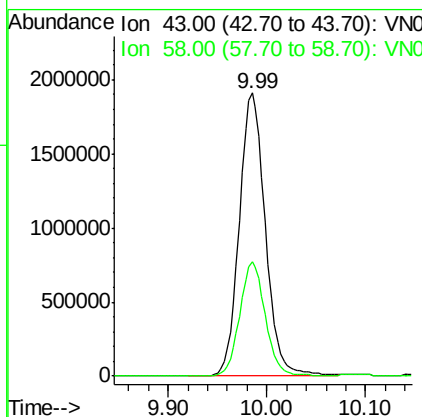
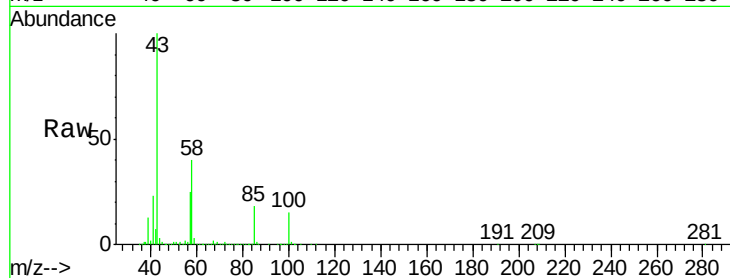
#51
4-Methyl-2-Pentanone
Concen: 246.91 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3490696
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

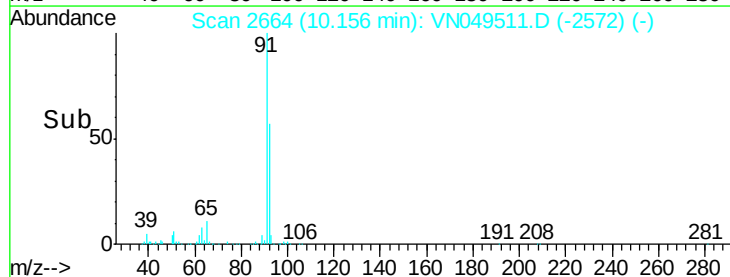
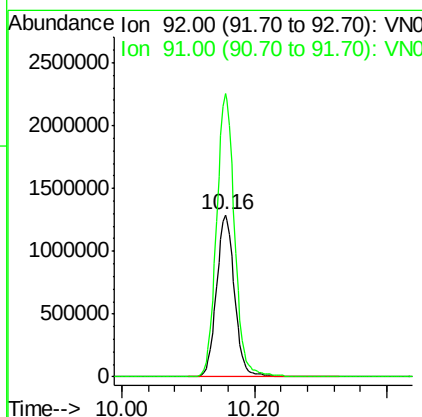
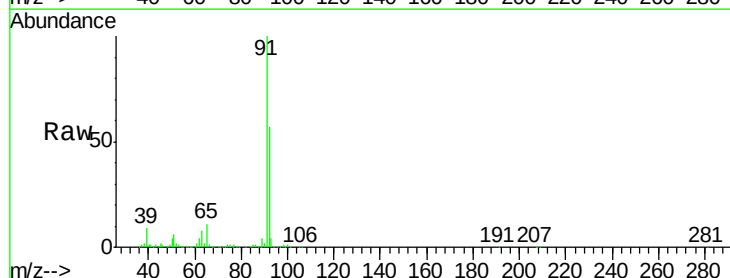
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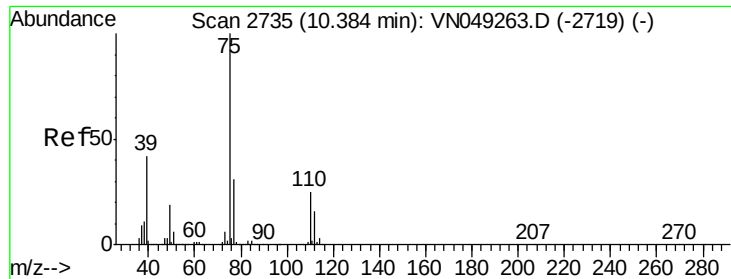
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#52
Toluene
Concen: 52.09 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion: 92 Resp: 2433958
Ion Ratio Lower Upper
92 100
91 174.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 51.71 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 1314026

Ion Ratio Lower Upper

75 100

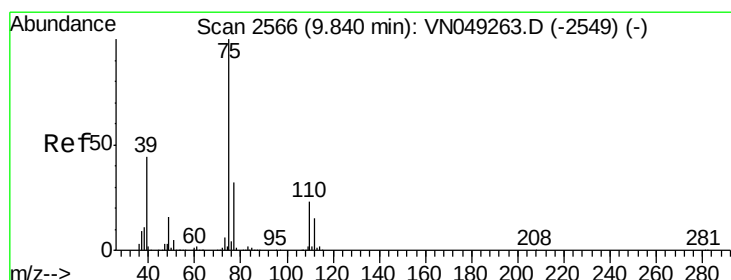
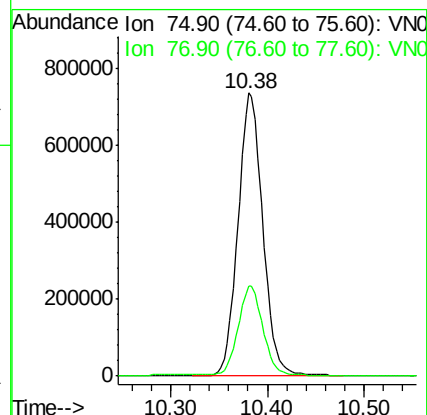
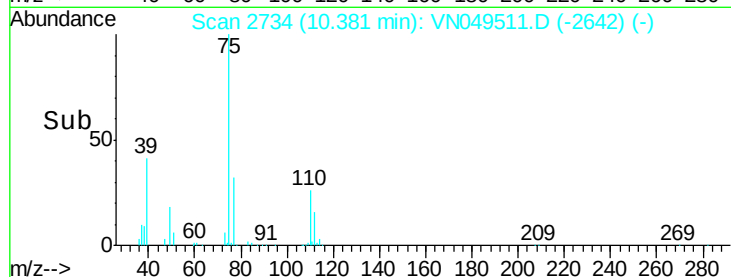
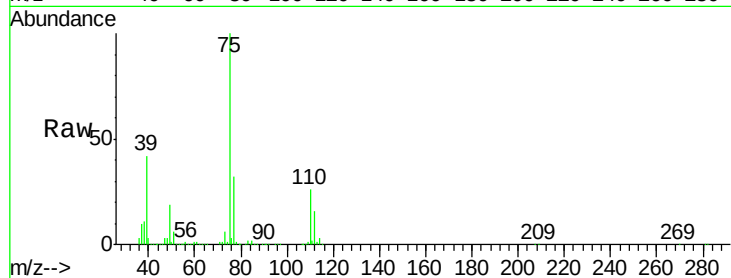
77 31.4 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.49 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

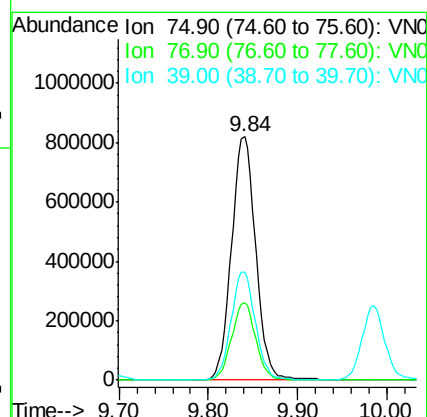
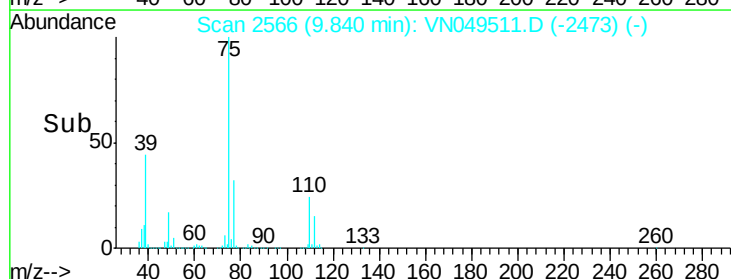
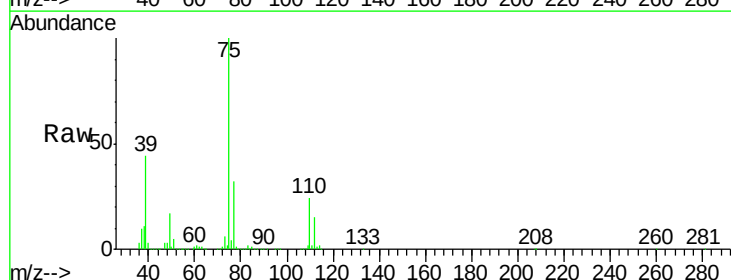
Tgt Ion: 75 Resp: 1545053

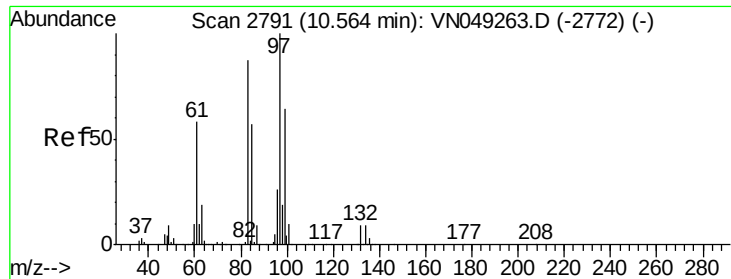
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.2 45.1 67.7#





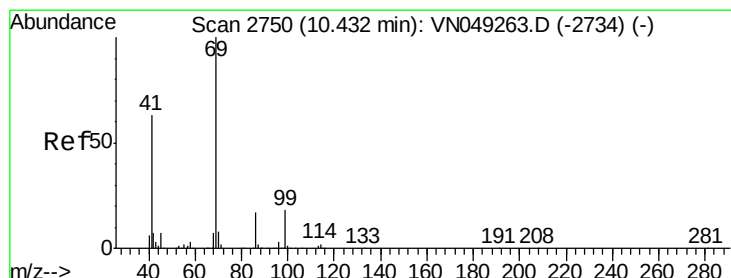
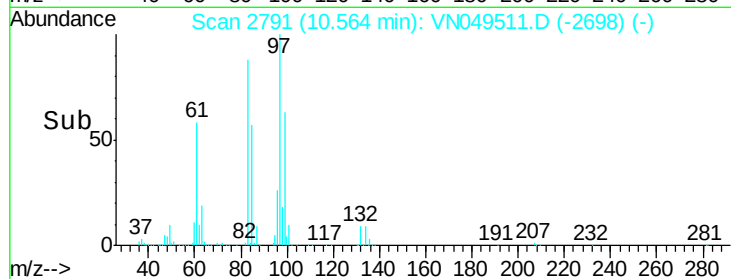
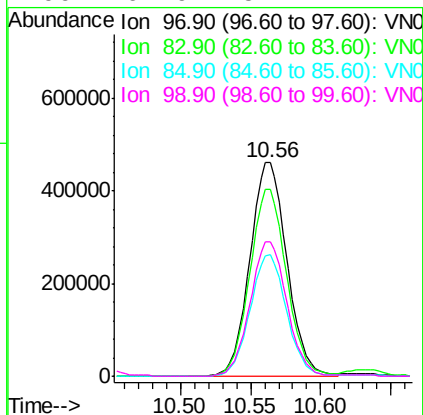
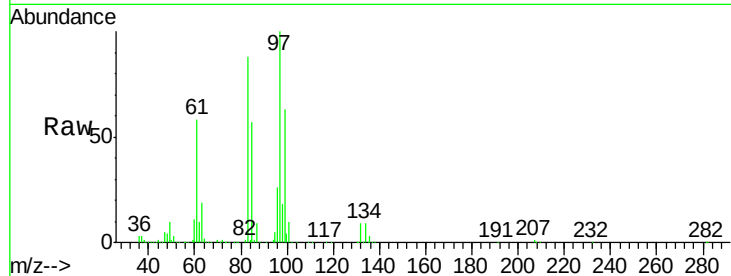
#55
 1,1,2-Trichloroethane
 Concen: 48.56 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	845857
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.5	107.3
85	56.6	47.0	70.4
99	62.9	51.4	77.2

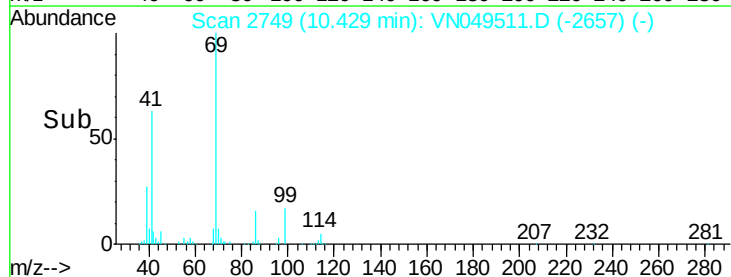
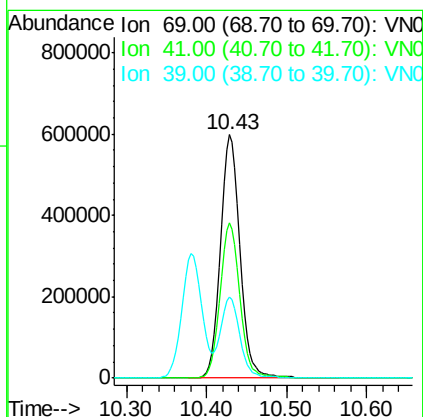
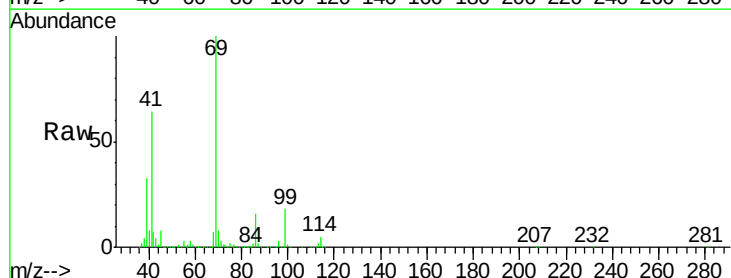
Manual Integrations
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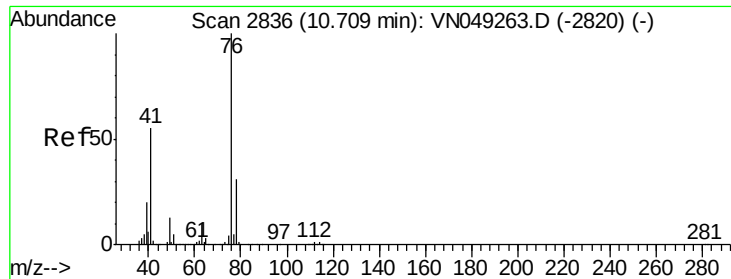
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#56
 Ethyl methacrylate
 Concen: 50.64 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion:	69	Resp:	1017819
Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	32.0	35.5	53.3#





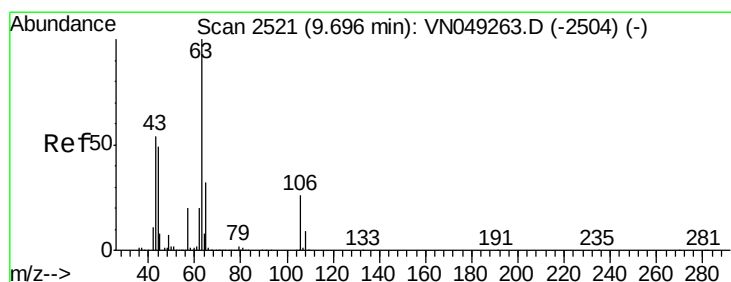
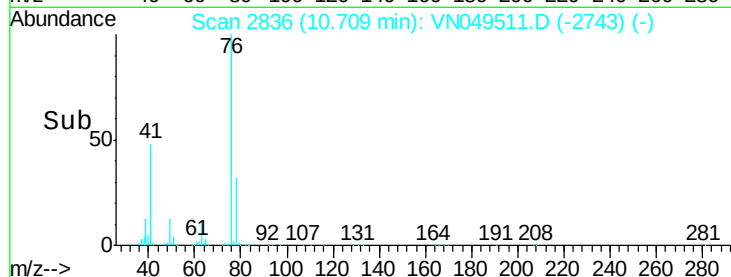
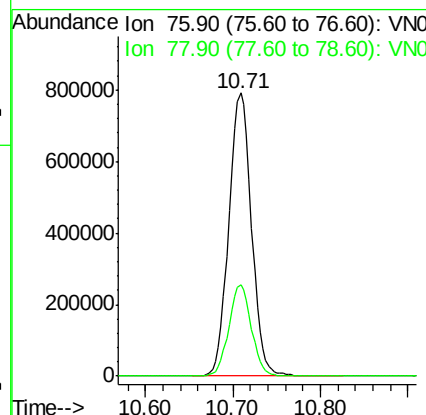
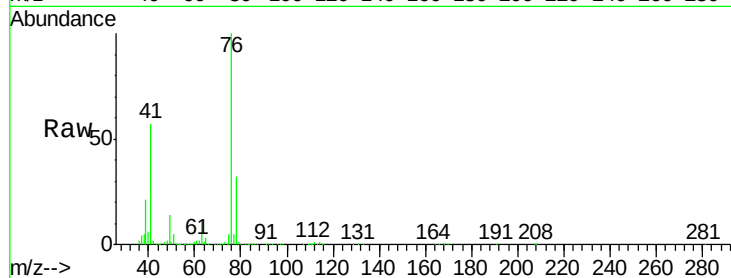
#57
 1,3-Dichloropropane
 Concen: 49.48 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 1427952
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

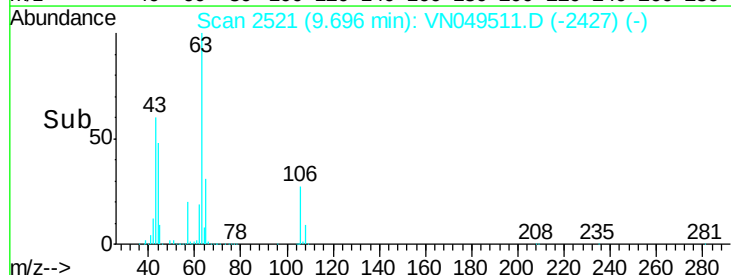
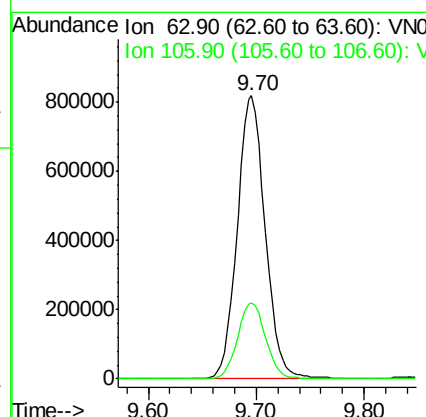
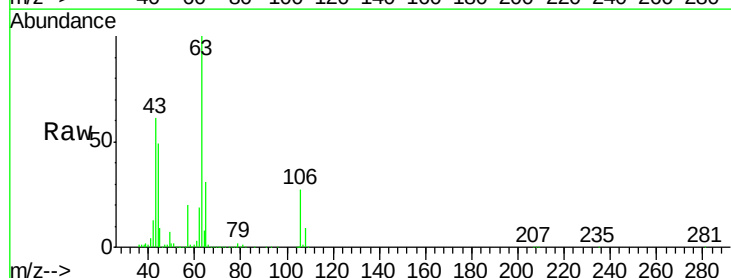
Manual Integrations
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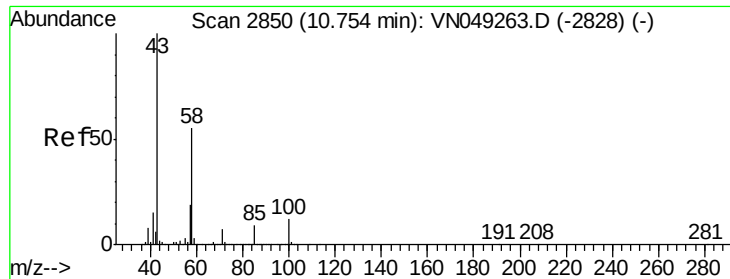
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 208.30 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion: 63 Resp: 1478429
 Ion Ratio Lower Upper
 63 100
 106 27.2 19.4 29.2





#59

2-Hexanone

Concen: 259.89 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2368836

Ion Ratio Lower Upper

43 100

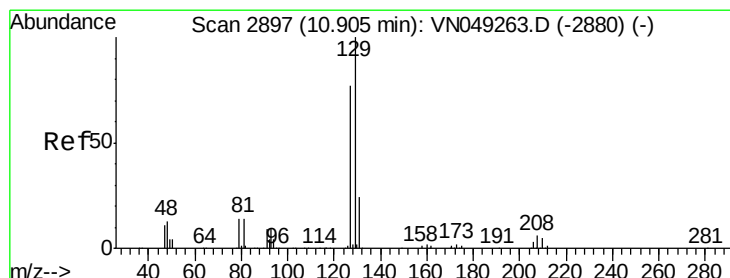
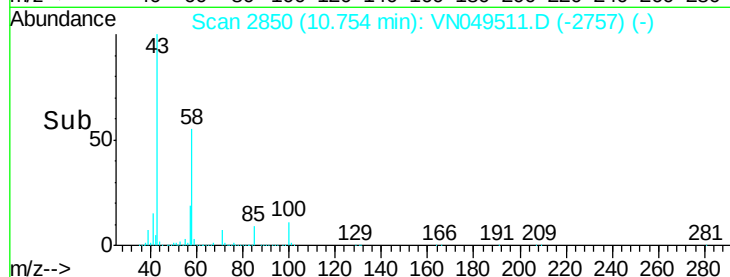
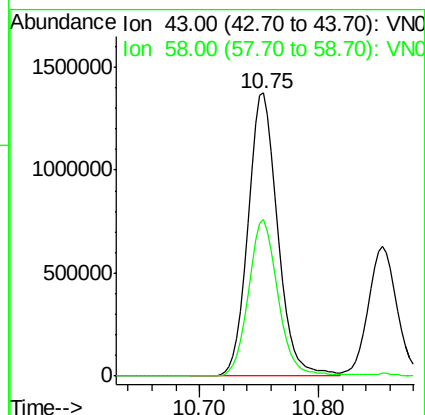
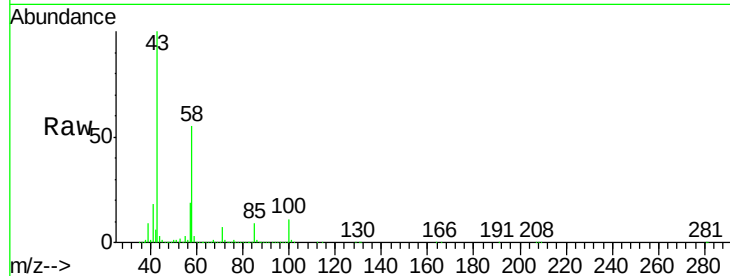
58 55.3 25.2 75.6

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.31 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049511.D

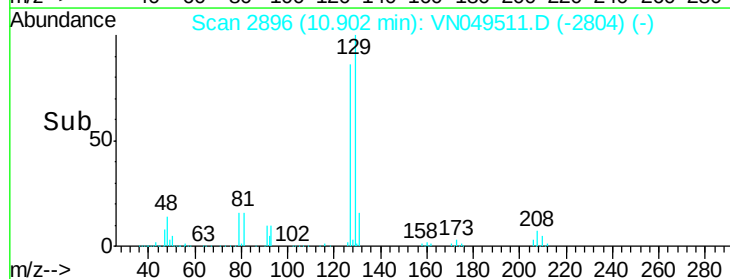
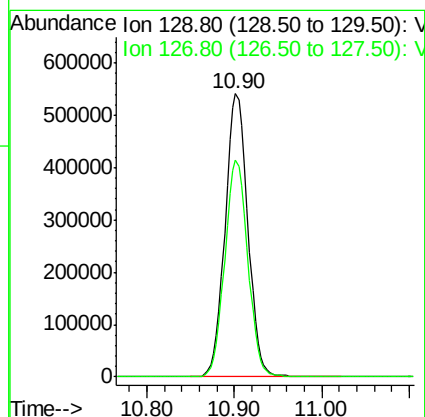
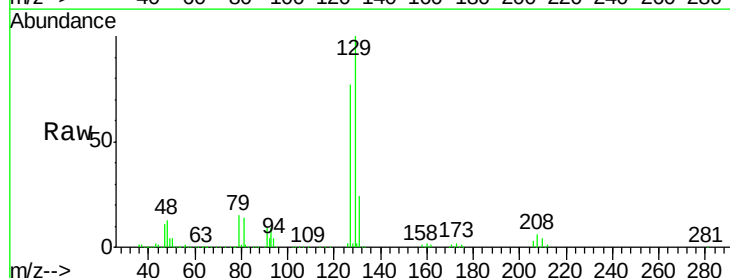
Acq: 25 Jun 2018 13:15

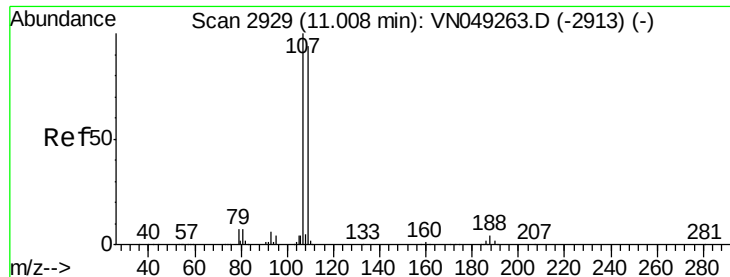
Tgt Ion: 129 Resp: 978110

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.2





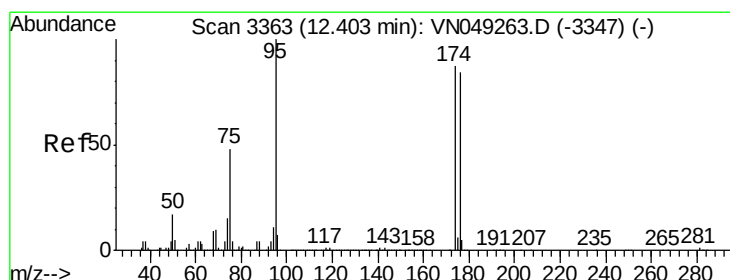
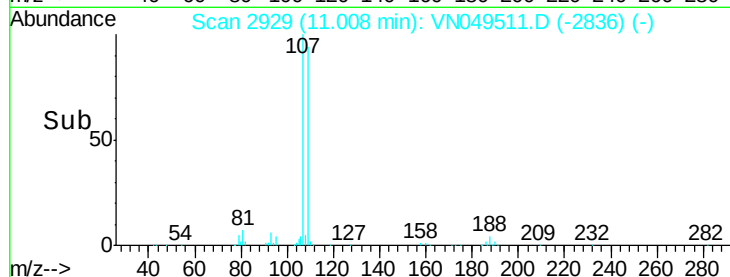
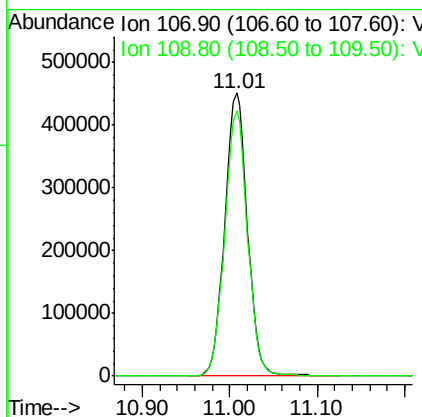
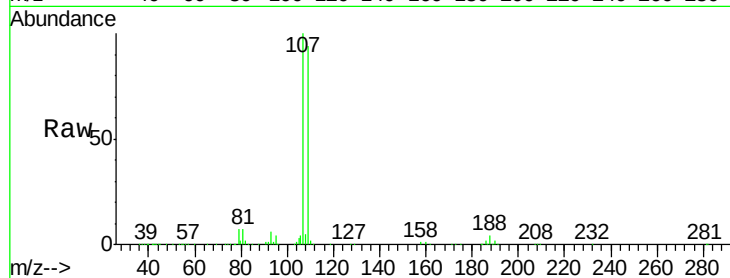
#61
 1,2-Dibromoethane
 Concen: 50.27 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 813939
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2

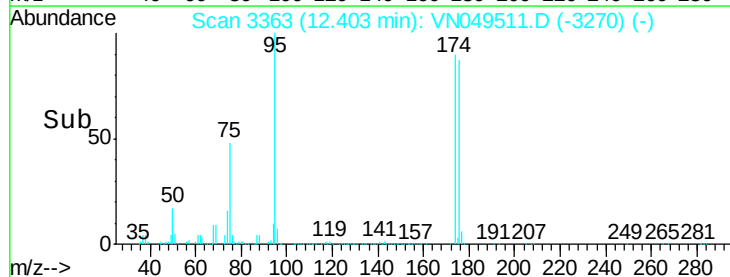
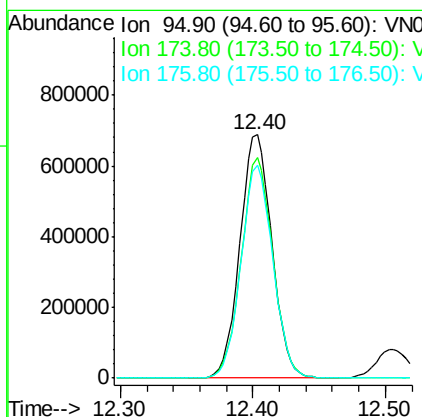
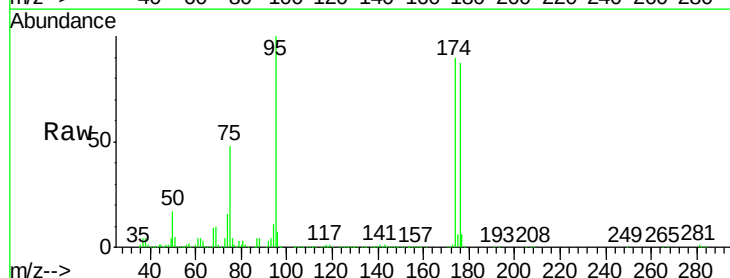
Manual Integrations
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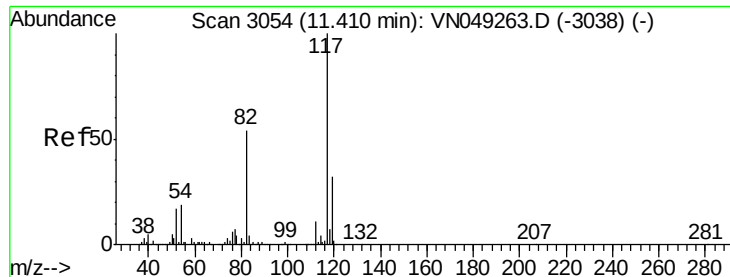
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.97 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion: 95 Resp: 1153419
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 165.6
 176 87.0 0.0 157.4





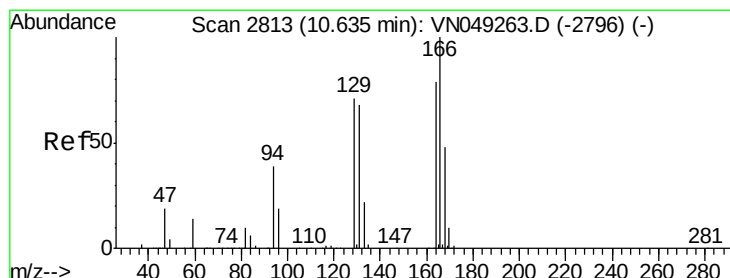
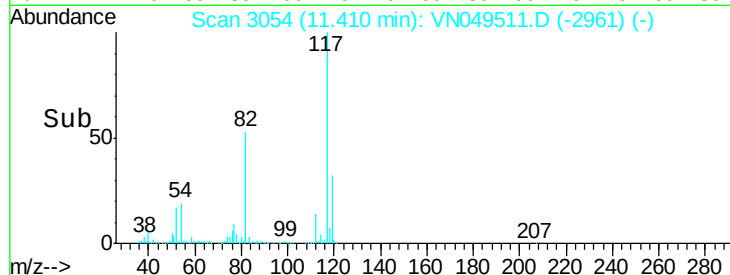
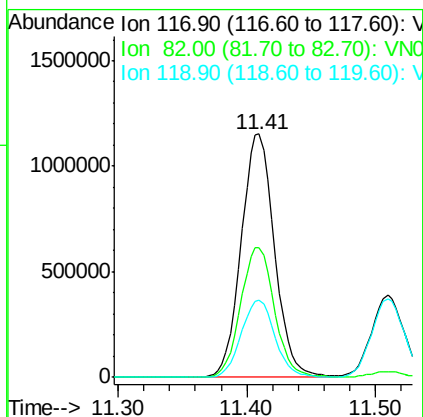
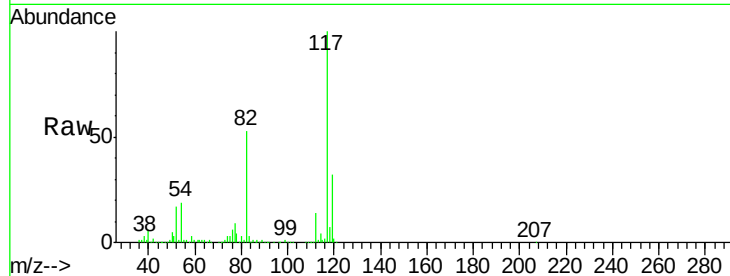
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 2079397
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.8 25.5 38.3

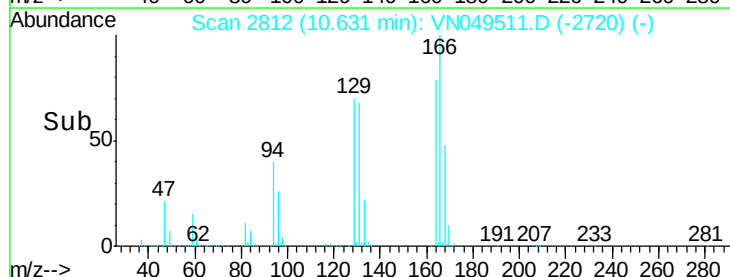
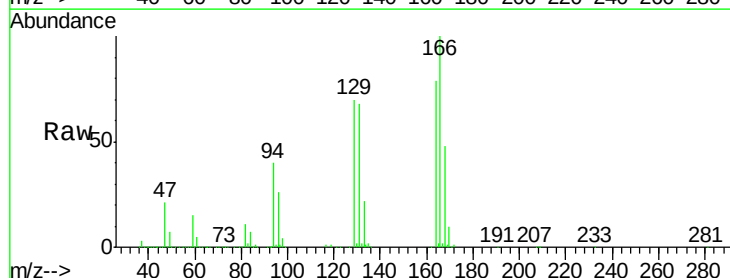
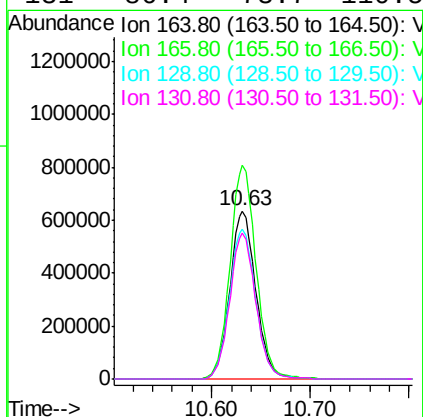
Manual Integrations
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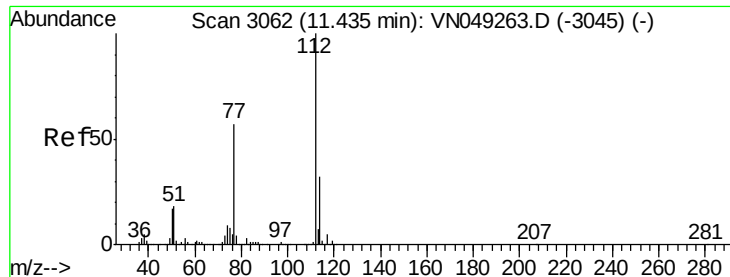
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#64
Tetrachloroethene
Concen: 54.87 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion:164 Resp: 1169137
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.2
129 89.3 74.1 111.1
131 86.4 73.7 110.5





#65

Chlorobenzene

Concen: 49.97 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2676996

Ion Ratio Lower Upper

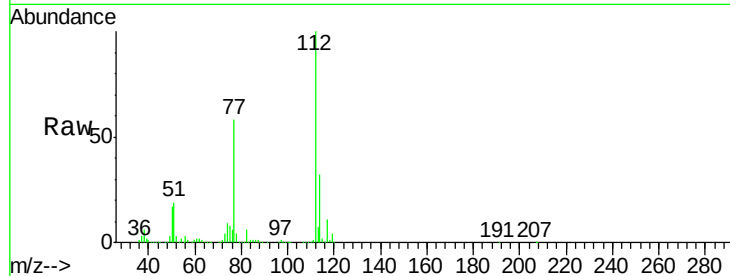
112 100

114 31.7 26.2 39.4

Manual Integrations
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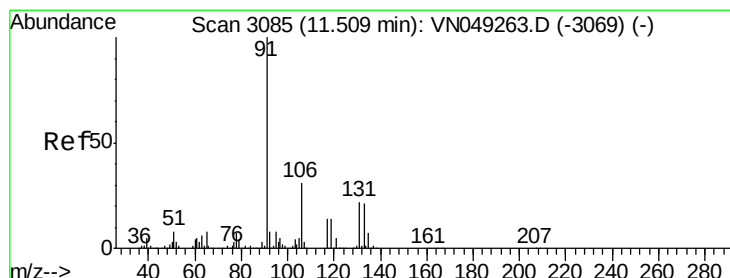
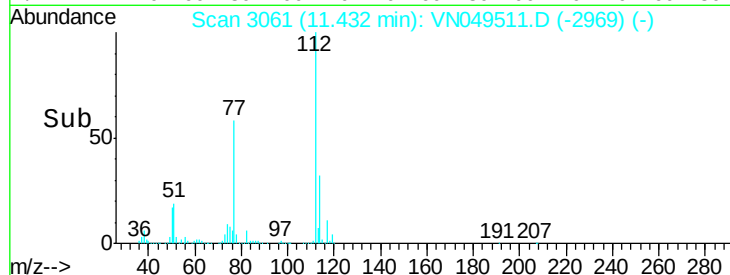
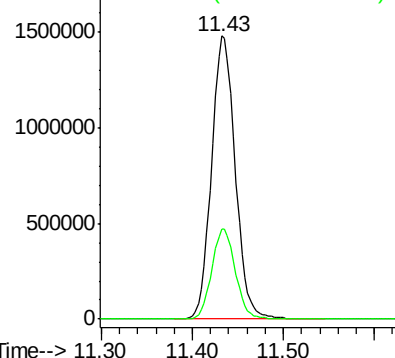
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.42 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

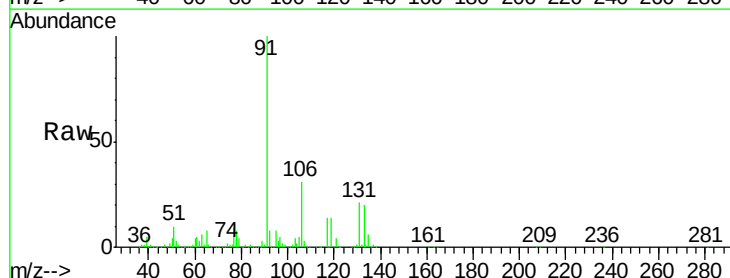
Tgt Ion:131 Resp: 996218

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

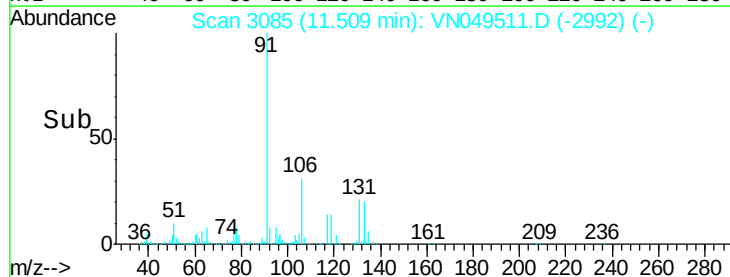
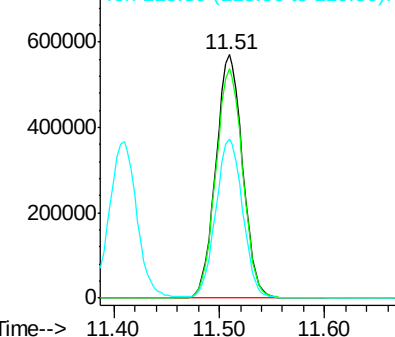
119 66.1 33.6 100.8

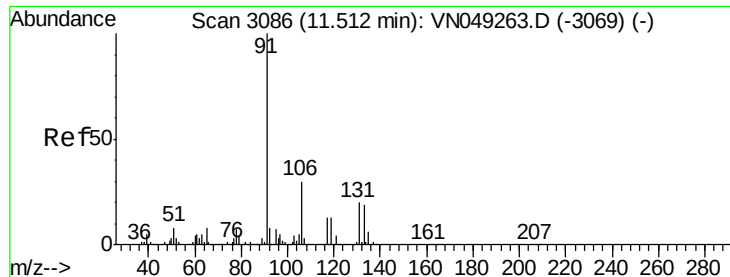


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





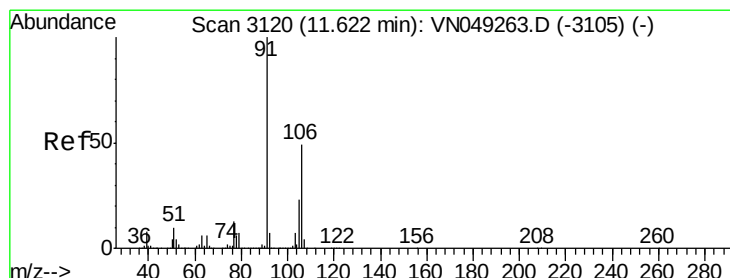
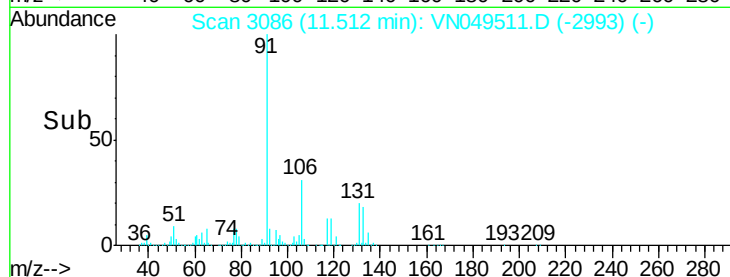
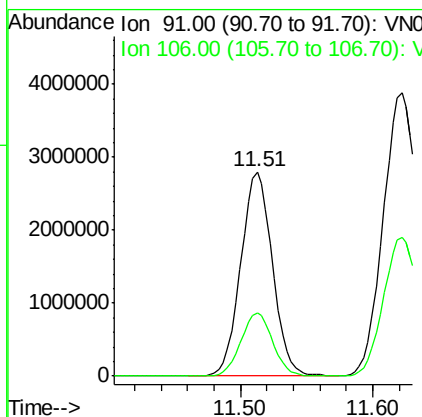
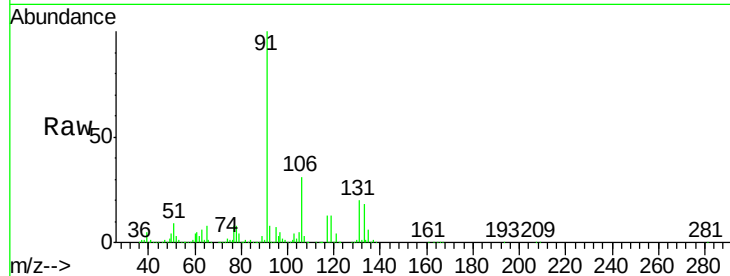
#67
Ethyl Benzene
Concen: 52.34 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 4650373
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9

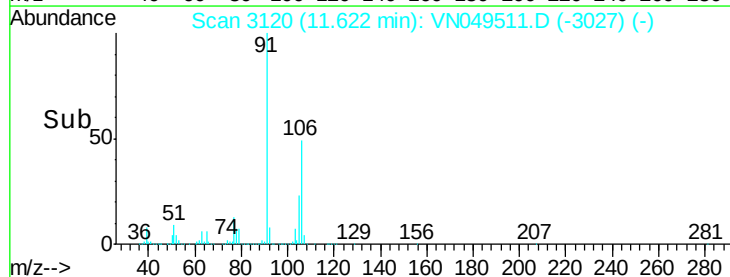
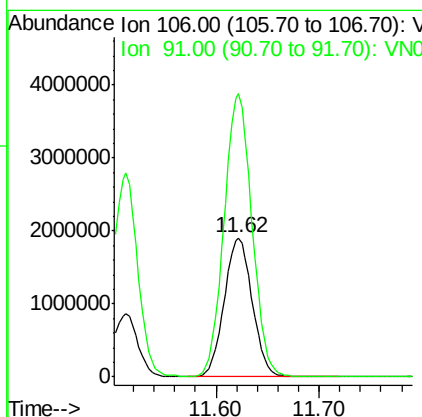
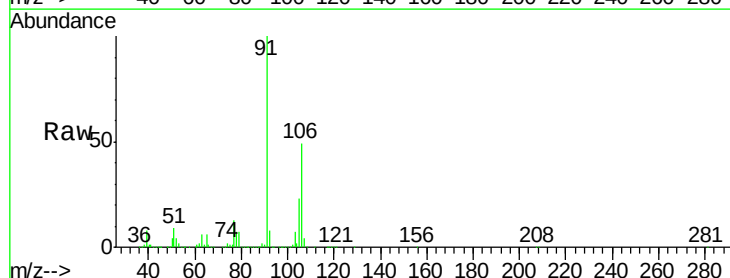
Manual Integrations
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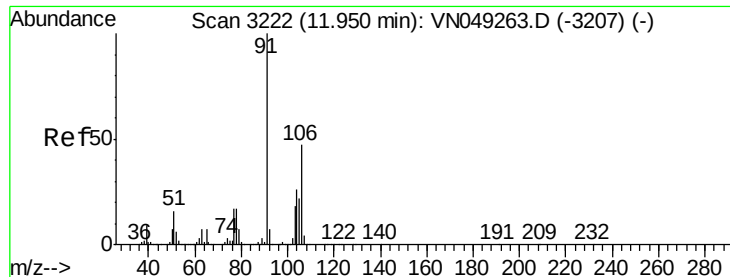
apatel
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#68
m/p-Xylenes
Concen: 107.96 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion: 106 Resp: 3599995
Ion Ratio Lower Upper
106 100
91 203.2 167.3 250.9





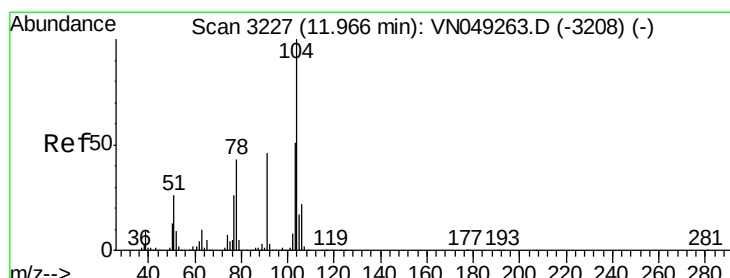
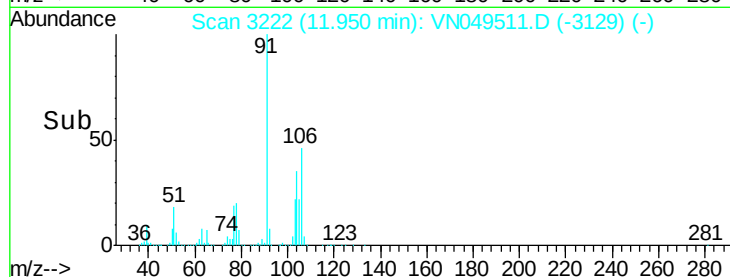
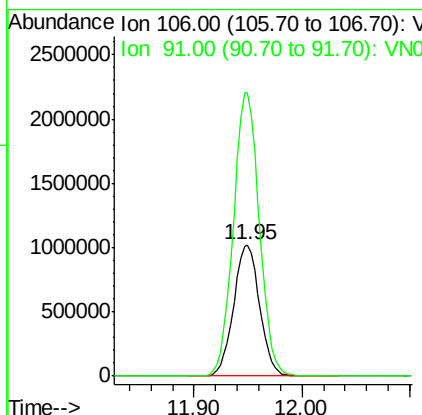
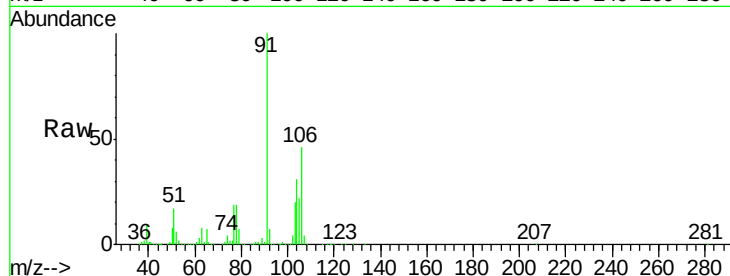
#69
o-Xylene
Concen: 53.34 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1713201
Ion Ratio Lower Upper
106 100
91 215.6 111.0 333.0

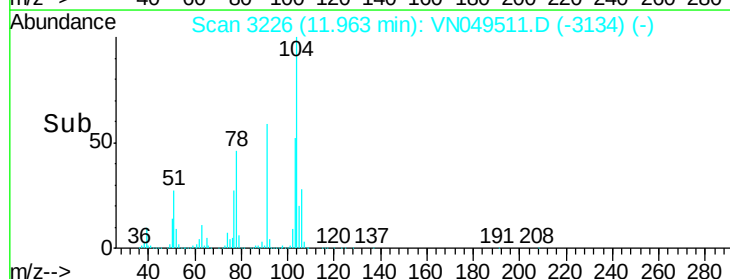
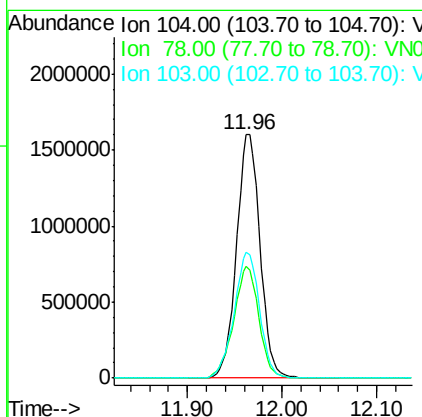
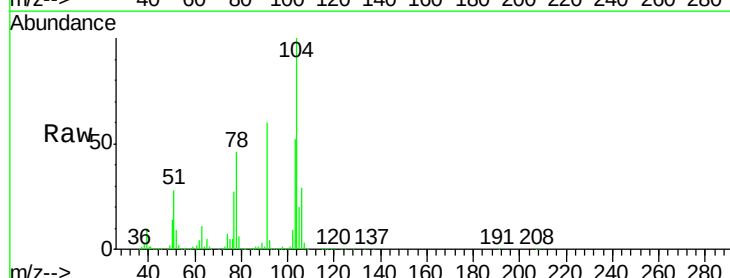
Manual Integrations
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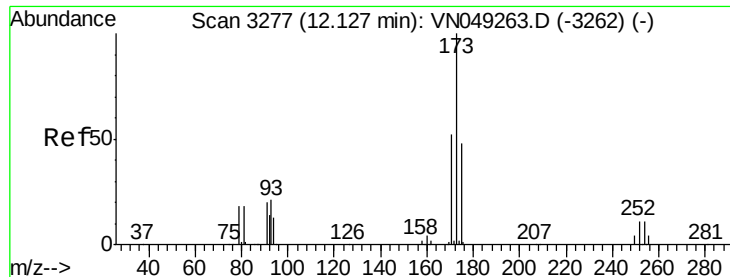
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#70
Styrene
Concen: 54.67 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion:104 Resp: 2770113
Ion Ratio Lower Upper
104 100
78 48.9 41.6 62.4
103 55.9 45.4 68.2





#71

Bromoform

Concen: 50.71 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

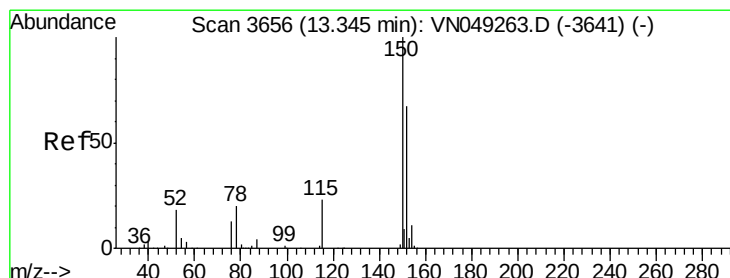
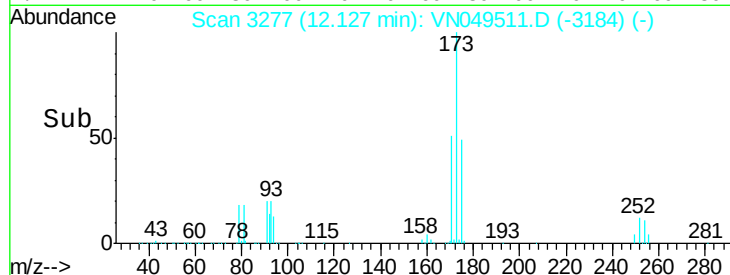
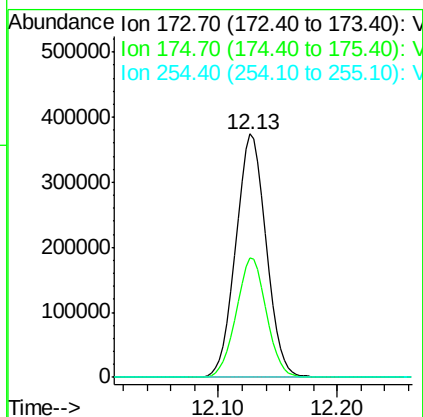
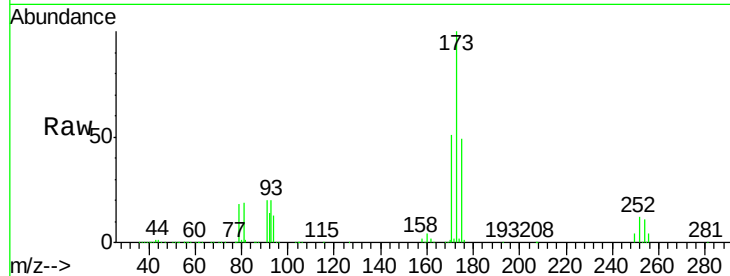
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

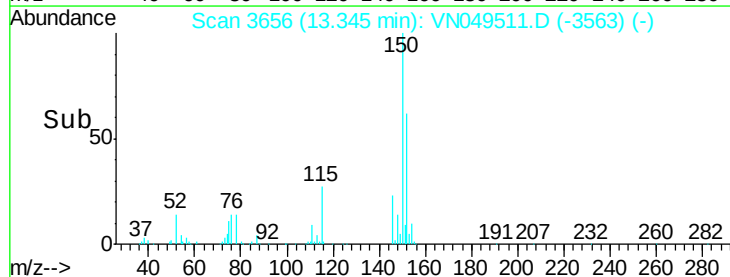
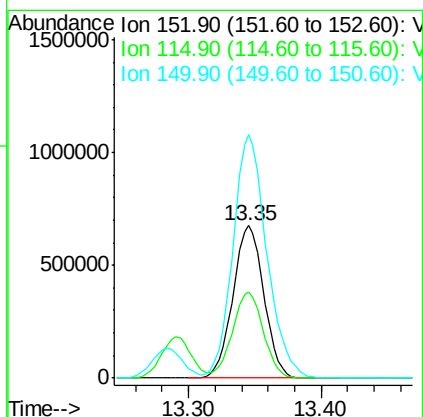
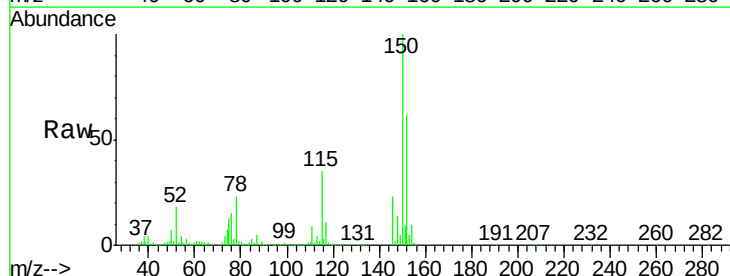
RT: 13.35 min Scan# 3656

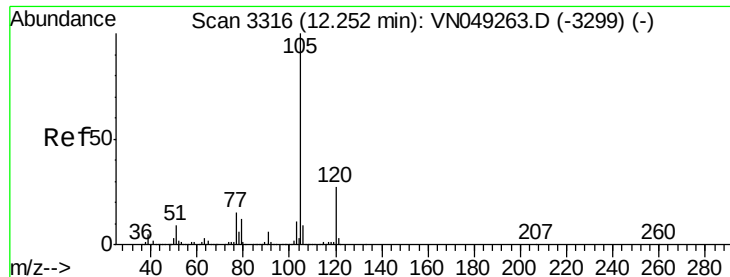
Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.7	86.1
150	174.7	0.0	351.0





#73

Isopropylbenzene

Concen: 48.34 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4629354

Ion Ratio Lower Upper

105 100

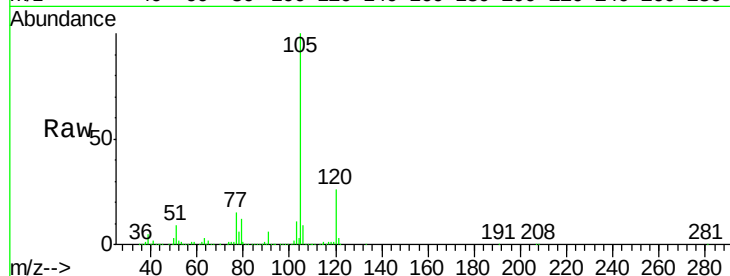
120 26.5 12.8 38.3

Manual Integrations

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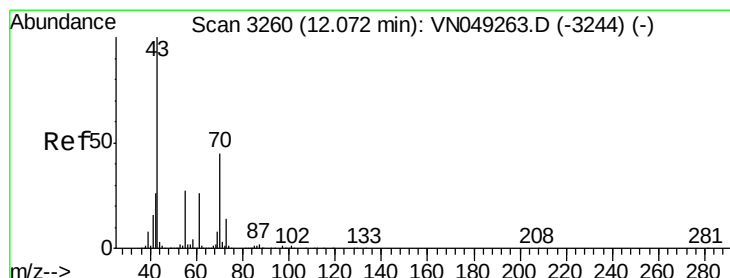
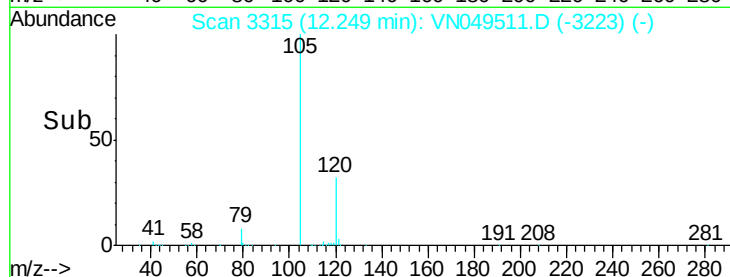
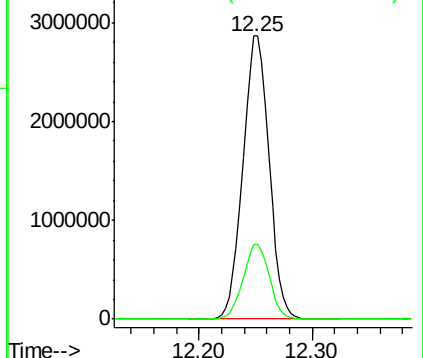
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.37 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion: 43 Resp: 1087564

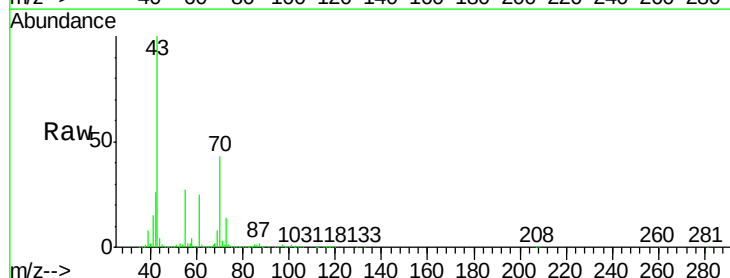
Ion Ratio Lower Upper

43 100

70 43.8 30.3 45.5

55 26.7 19.4 29.2

61 24.7 17.8 26.6

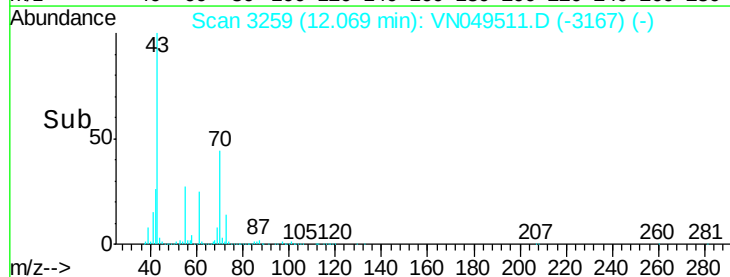
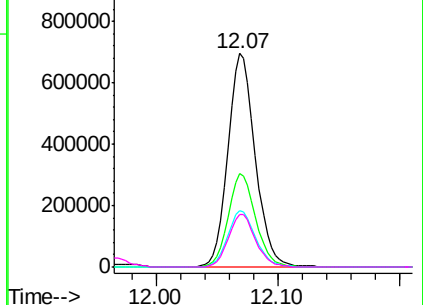


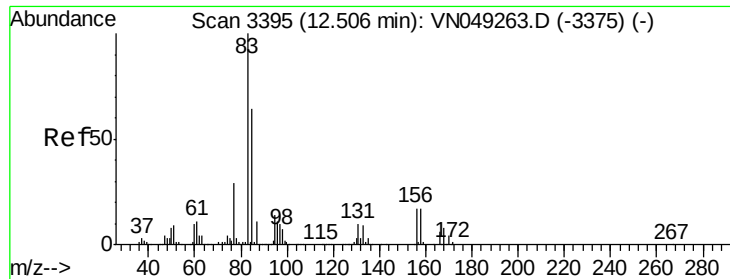
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.50 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

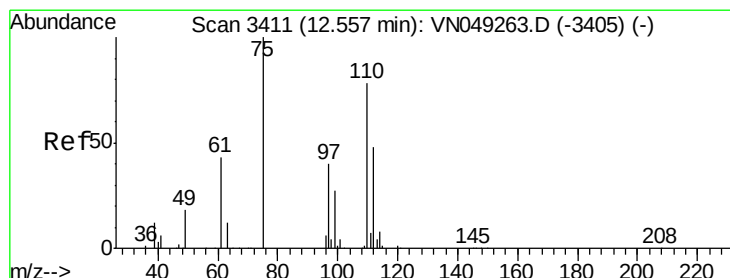
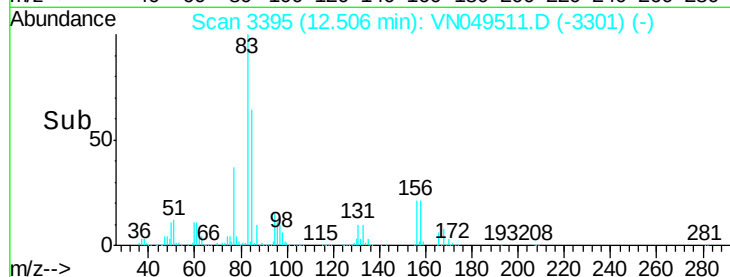
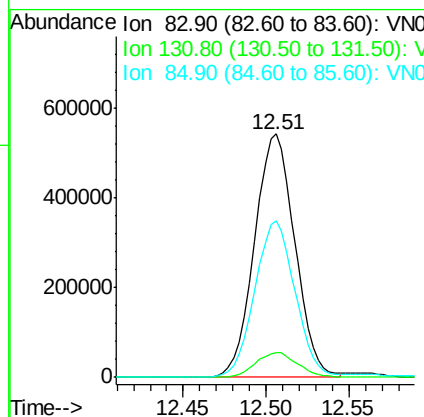
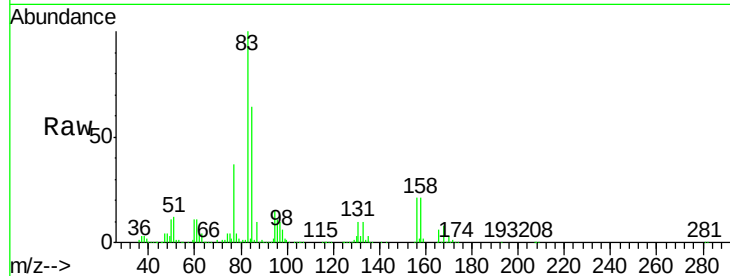
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	919097
Ion Ratio		Lower	Upper
83	100		
131	10.8	5.0	15.0
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 41.56 ug/l m

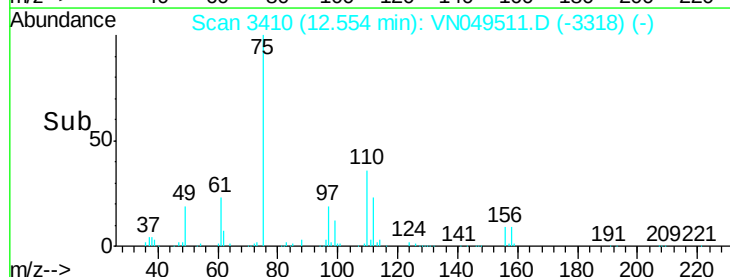
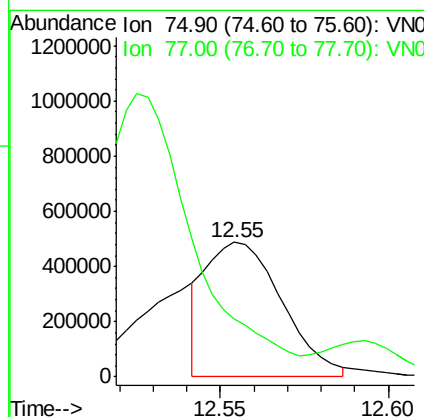
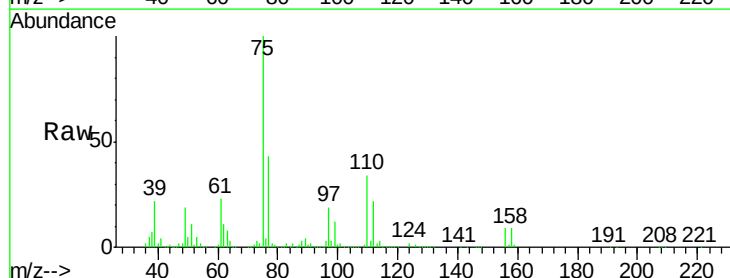
RT: 12.55 min Scan# 3410

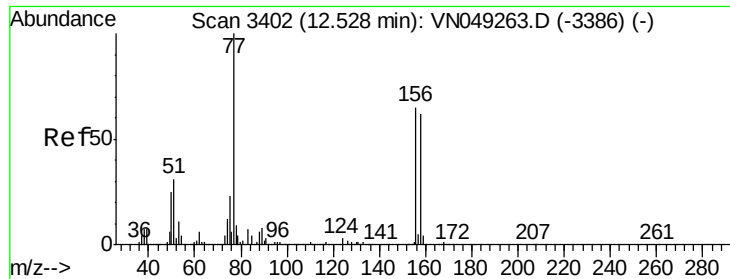
Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Tgt Ion:	75	Resp:	773336
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.10 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 1140643

Ion Ratio Lower Upper

156 100

77 178.4 100.8 302.4

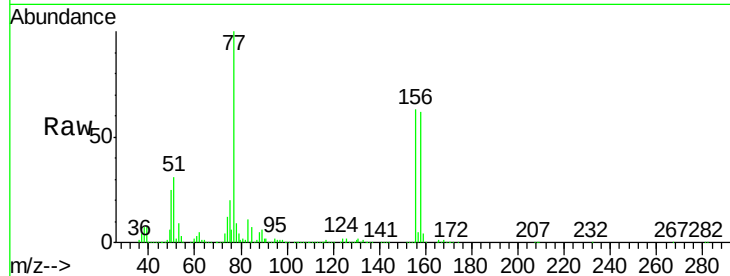
158 97.7 49.3 147.9

Manual Integrations

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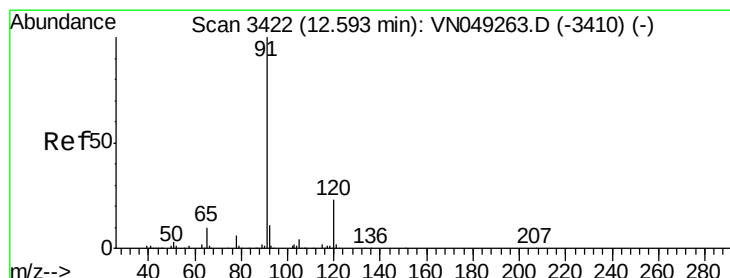
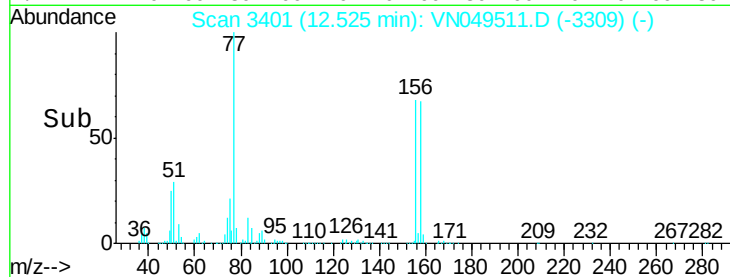
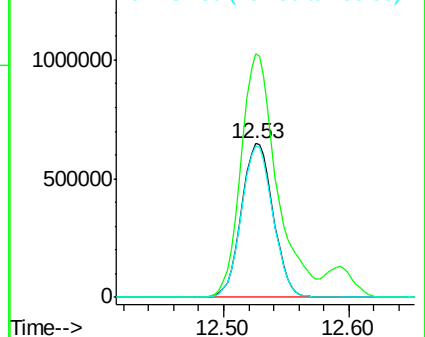
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.85 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049511.D

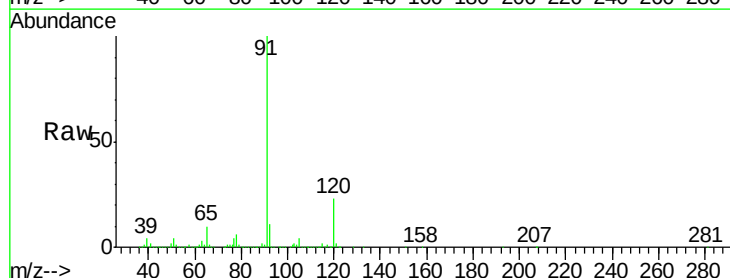
Acq: 25 Jun 2018 13:15

Tgt Ion: 91 Resp: 5346837

Ion Ratio Lower Upper

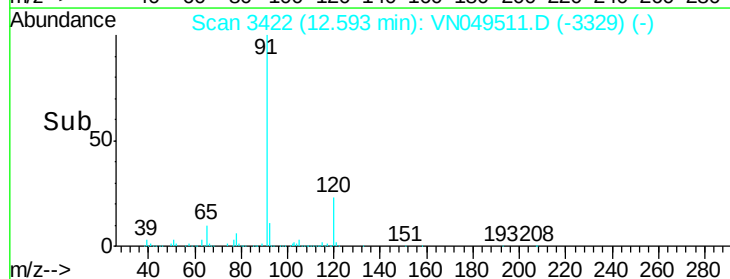
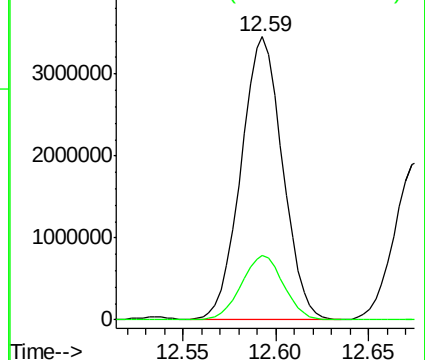
91 100

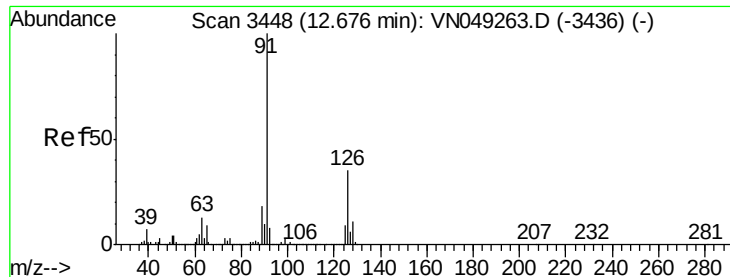
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.10 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 3137652

Ion Ratio Lower Upper

91 100

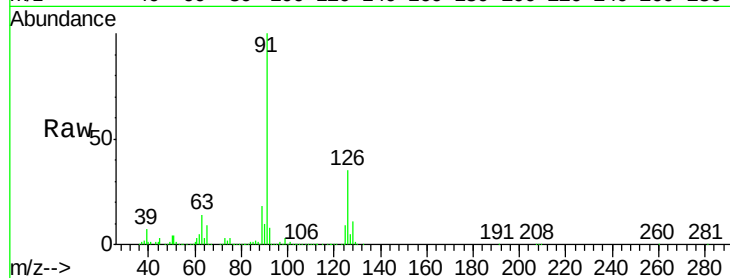
126 34.9 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049511.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049511.D (-3355) (-)

3000000

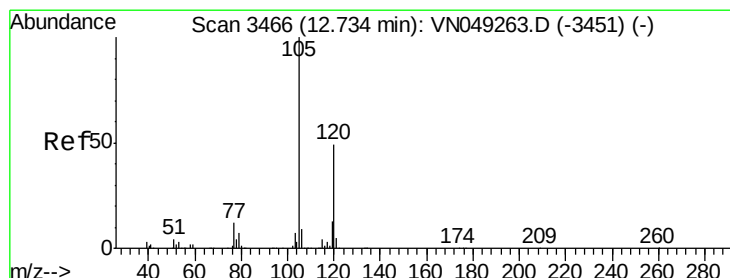
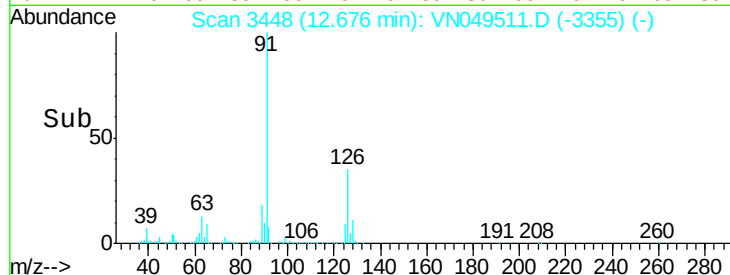
2000000

1000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049511.D

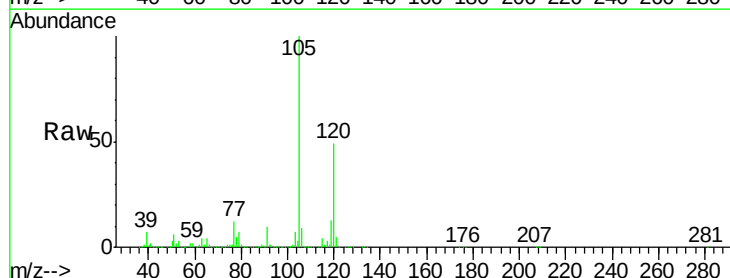
Acq: 25 Jun 2018 13:15

Tgt Ion: 105 Resp: 3823505

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049511.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049511.D (-3373) (-)

2500000

2000000

1500000

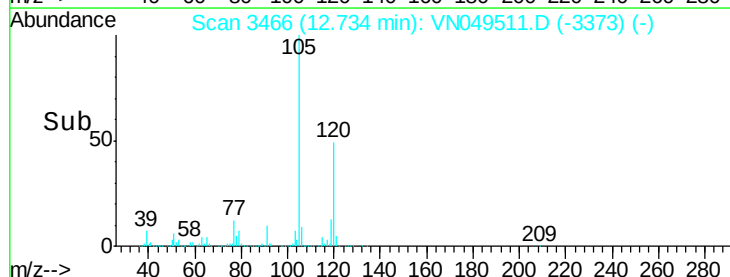
1000000

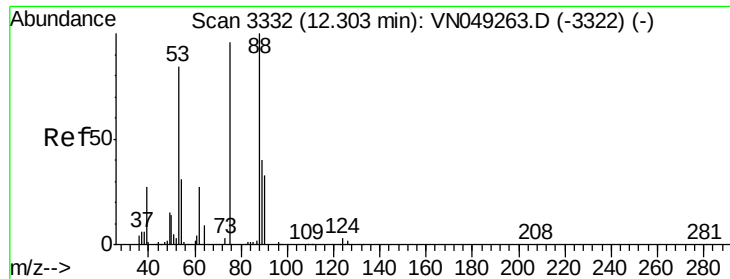
500000

0

12.70 12.75

Time-->





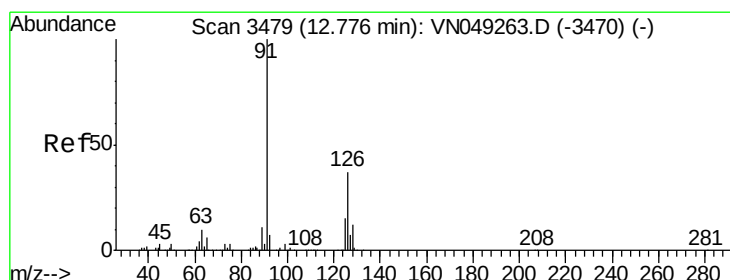
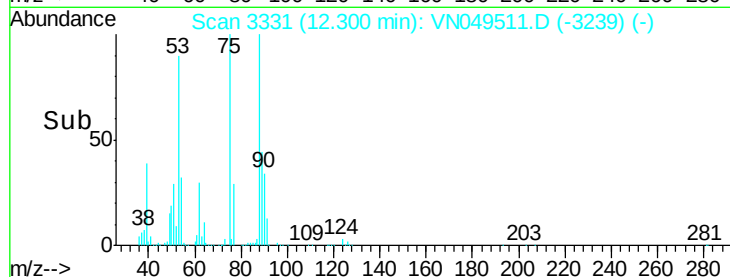
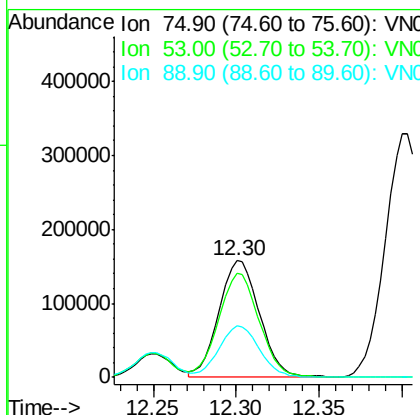
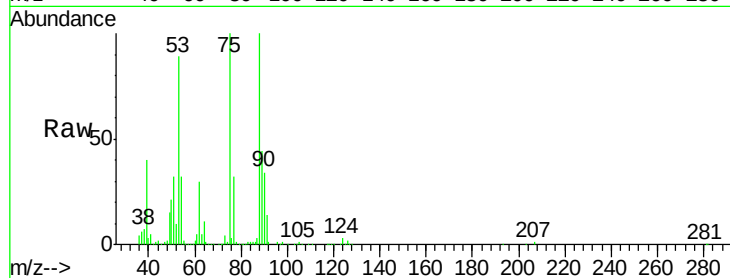
#81
trans-1,4-Dichloro-2-butene
Concen: 44.89 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	82.7	124.1
89	44.3	36.5	54.7

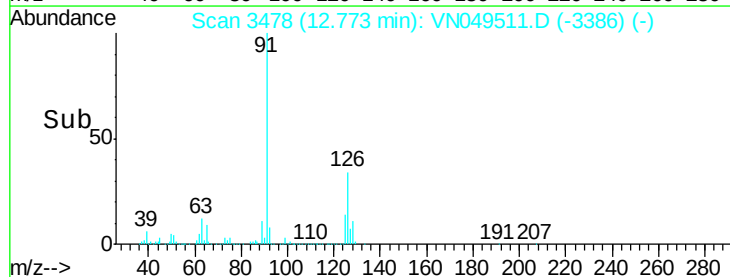
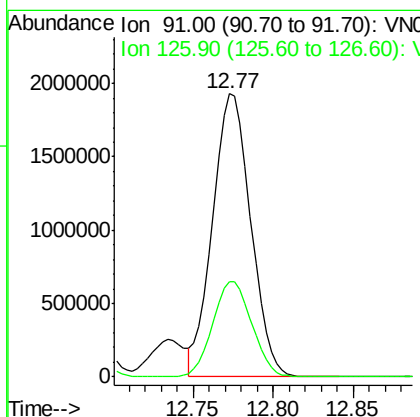
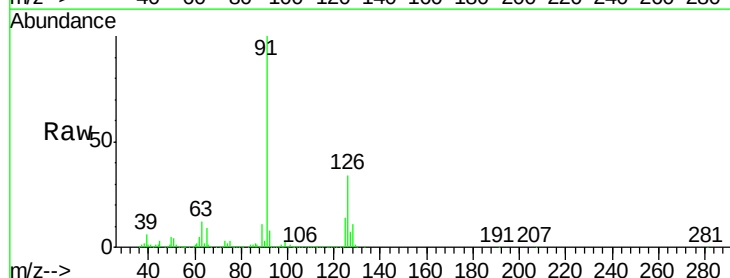
Manual Integrations
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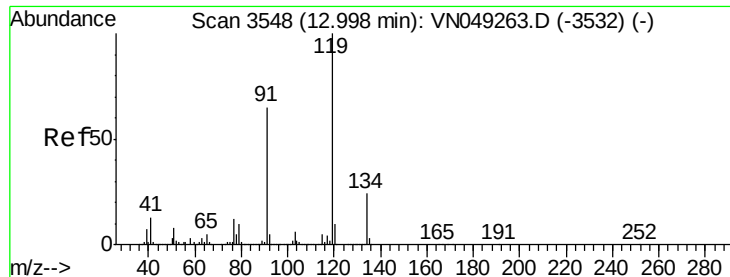
apatel
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#82
4-Chlorotoluene
Concen: 49.33 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.4	49.1





#83

tert-Butylbenzene

Concen: 48.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3208313

Ion Ratio Lower Upper

119 100

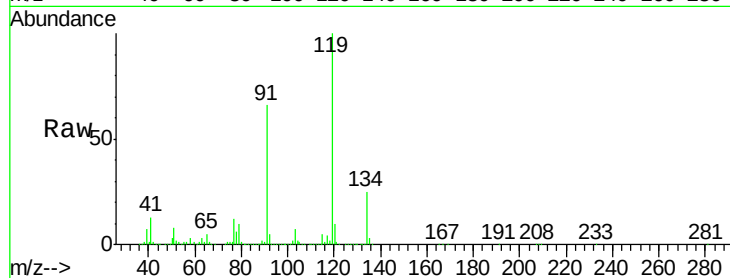
91 64.4 33.7 101.0

134 26.0 12.9 38.6

Manual Integrations
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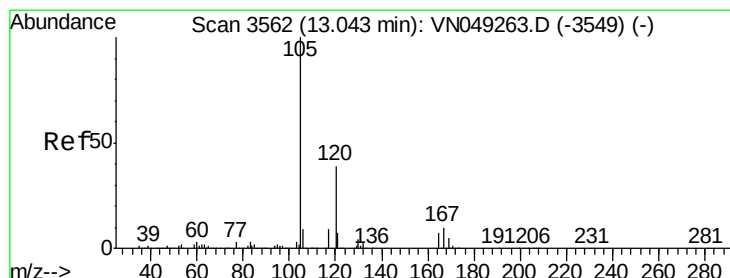
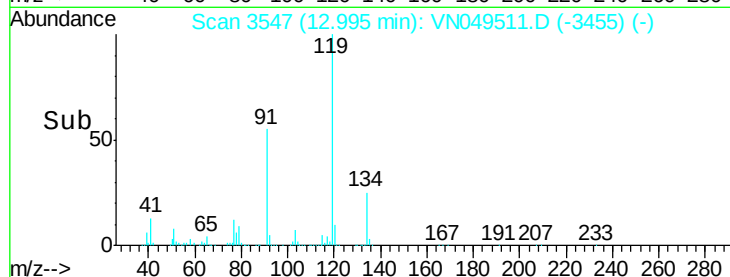
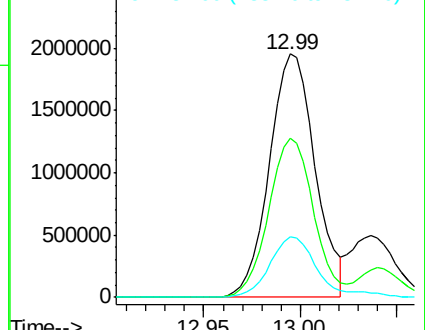
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.48 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049511.D

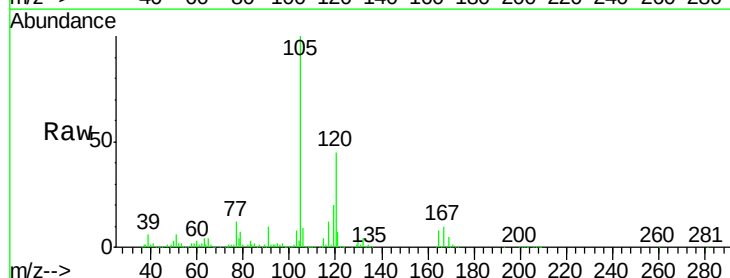
Acq: 25 Jun 2018 13:15

Tgt Ion:105 Resp: 3848921

Ion Ratio Lower Upper

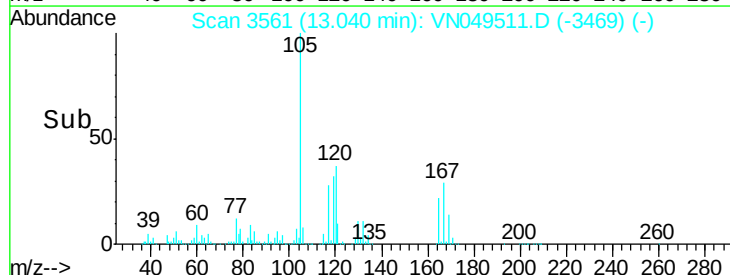
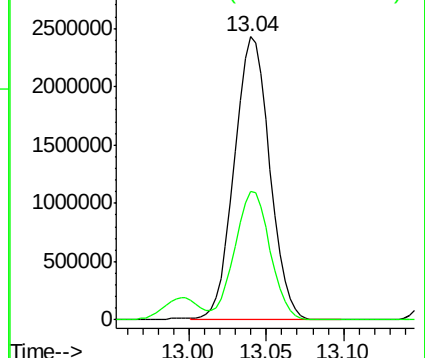
105 100

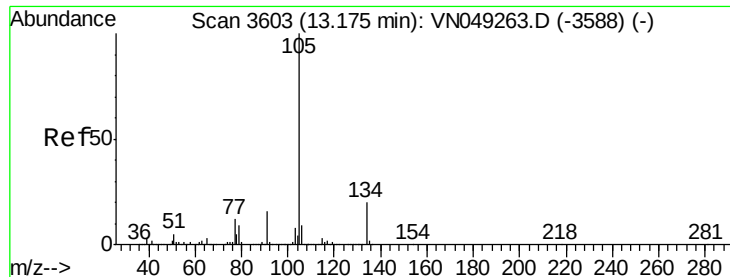
120 45.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.36 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4380486

Ion Ratio Lower Upper

105 100

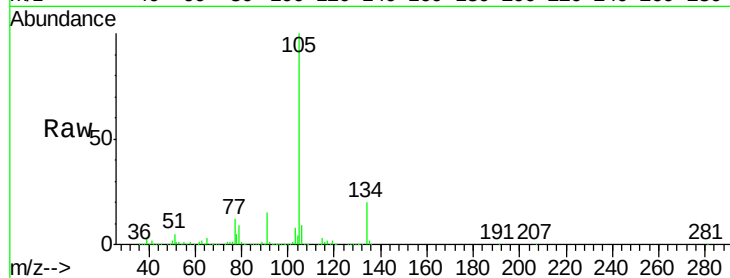
134 20.0 9.8 29.3

Manual Integrations

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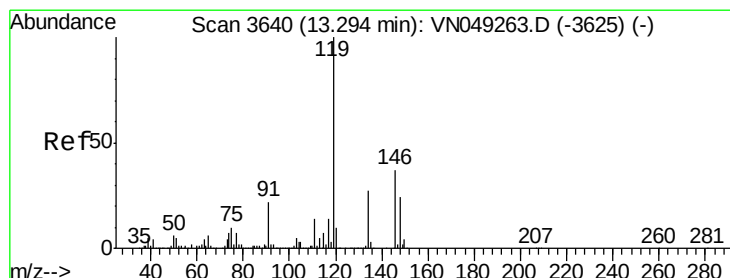
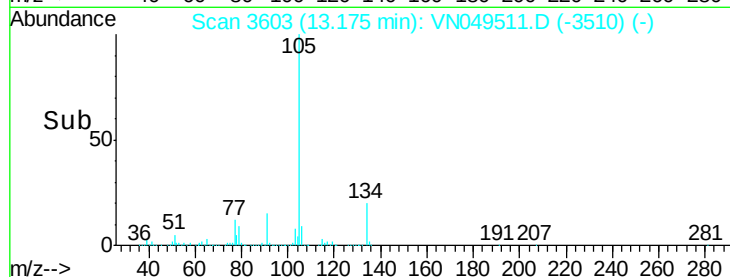
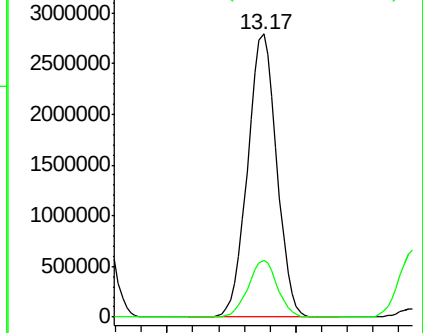
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

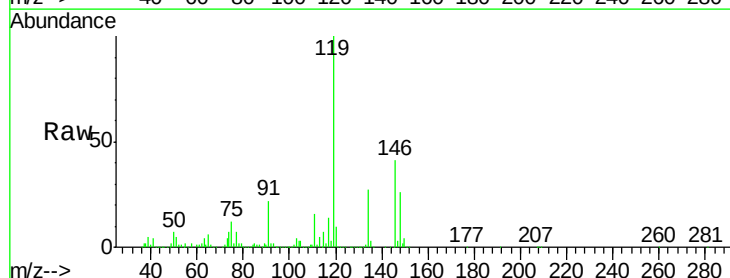
Tgt Ion:119 Resp: 3834383

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

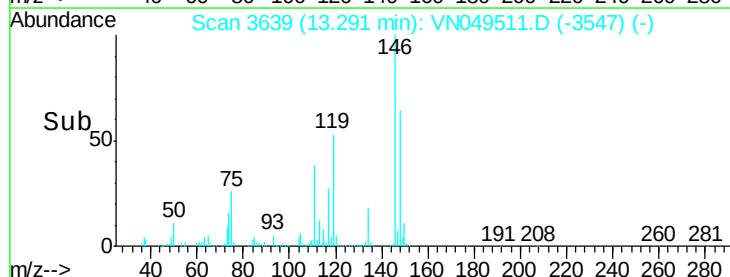
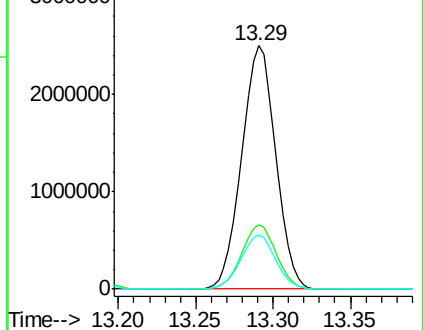
91 22.4 12.1 36.3

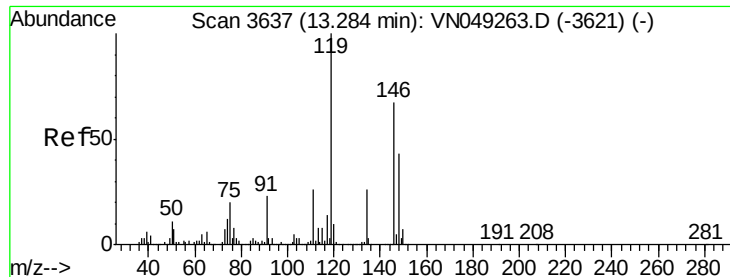


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





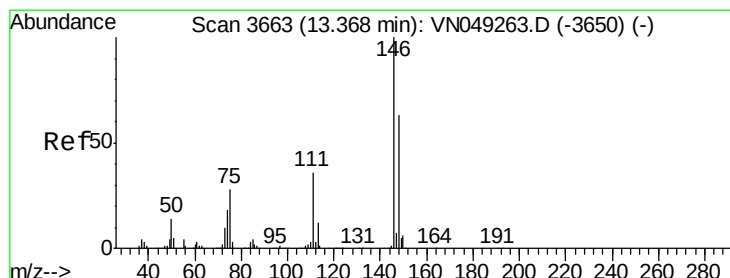
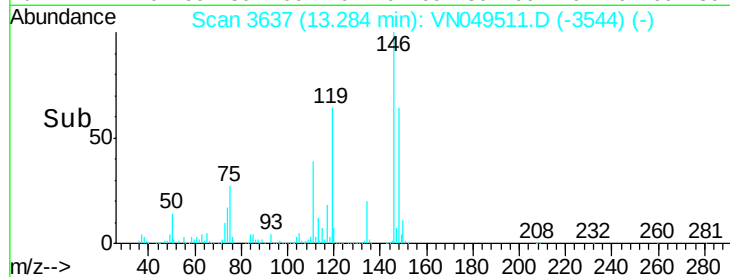
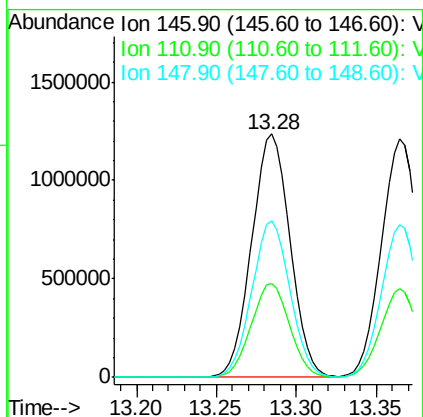
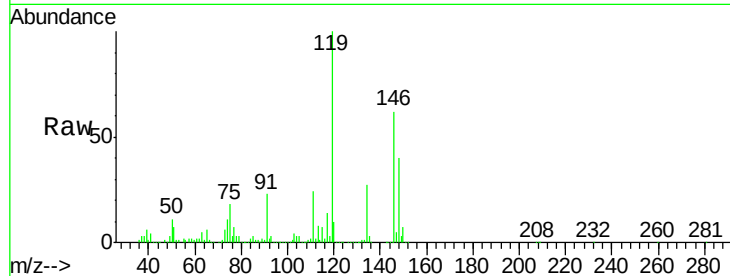
#87
 1,3-Dichlorobenzene
 Concen: 48.93 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.6
148	64.0	32.1	96.5

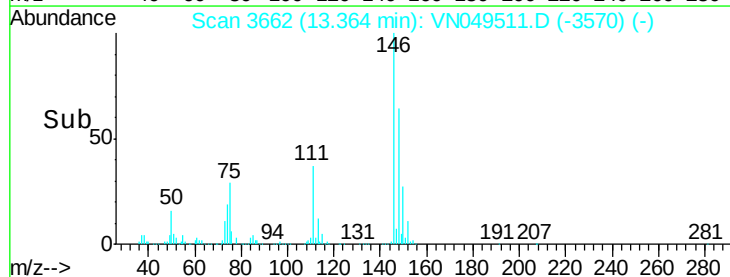
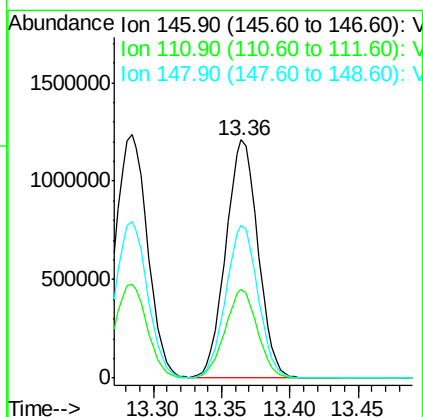
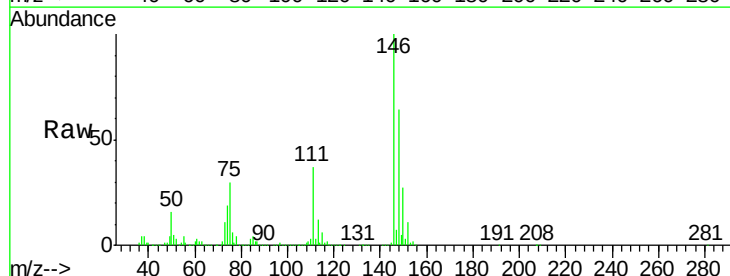
Manual Integrations
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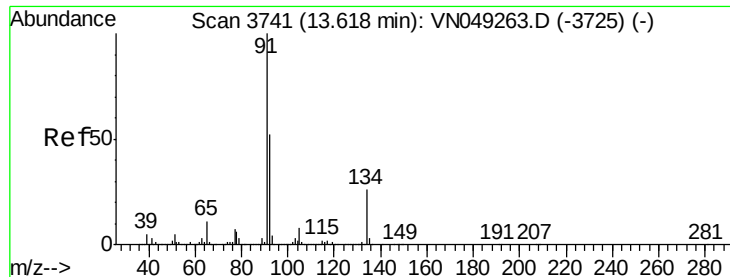
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#88
 1,4-Dichlorobenzene
 Concen: 48.15 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	63.9	32.0	96.2





#89

n-Butylbenzene

Concen: 53.08 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049511.D

Acq: 25 Jun 2018 13:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3074071

Ion Ratio Lower Upper

91 100

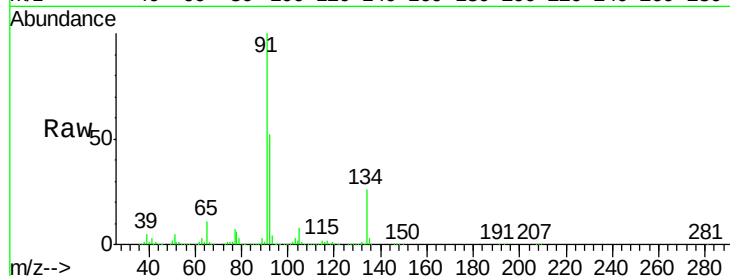
92 51.8 25.1 75.4

134 26.5 12.0 36.0

Manual Integrations
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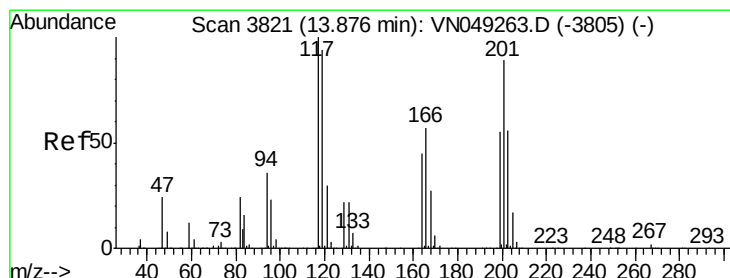
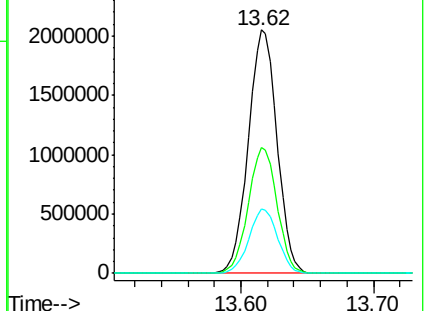
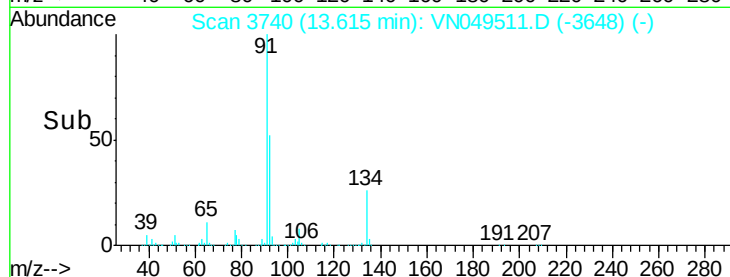
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Abundance Ion 91.00 (90.70 to 91.70): VN049511.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049511.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049511.D (-3648) (-)



#90

Hexachloroethane

Concen: 51.23 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049511.D

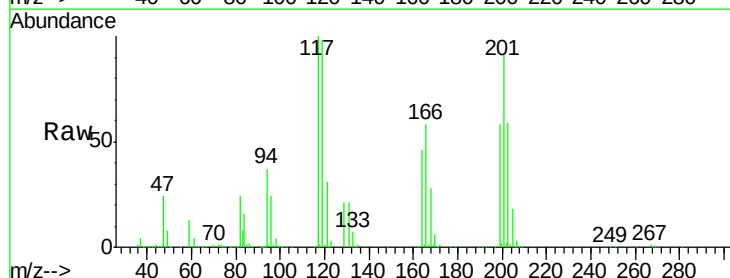
Acq: 25 Jun 2018 13:15

Tgt Ion: 117 Resp: 718380

Ion Ratio Lower Upper

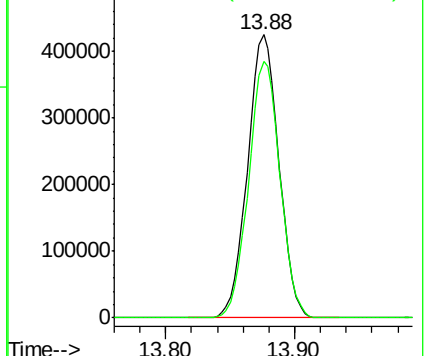
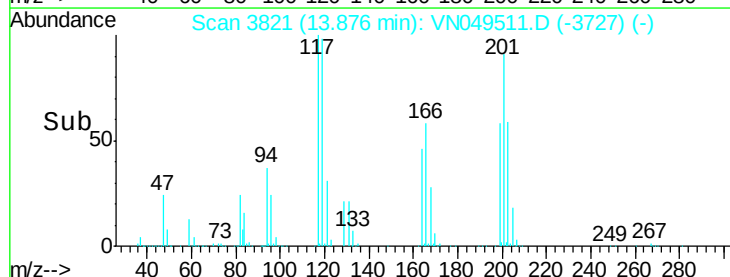
117 100

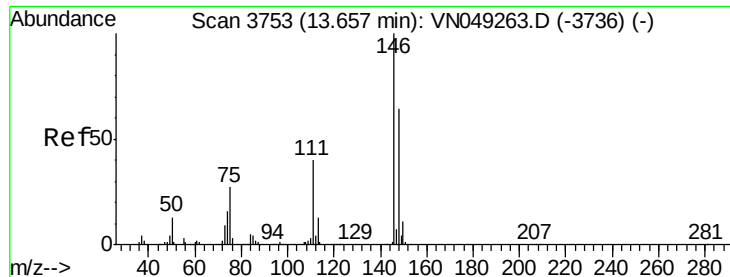
201 90.9 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN049511.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049511.D (-3727) (-)





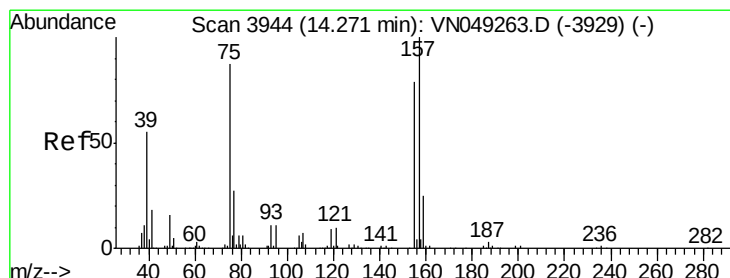
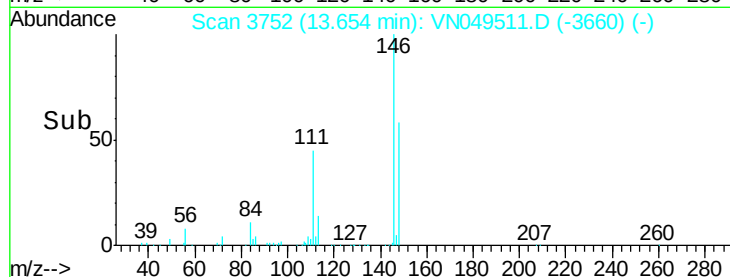
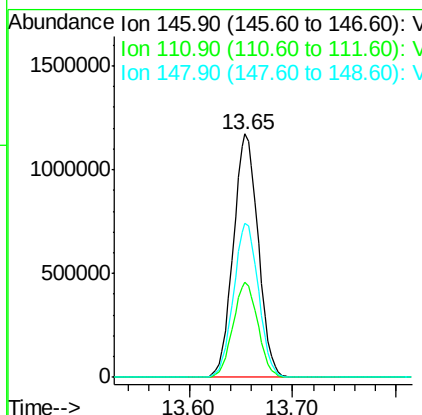
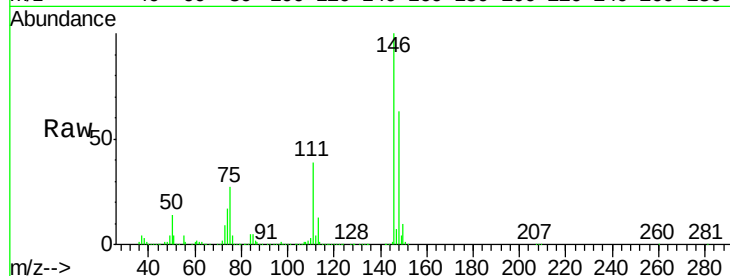
#91
 1,2-Dichlorobenzene
 Concen: 48.14 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	63.8	32.0	96.2

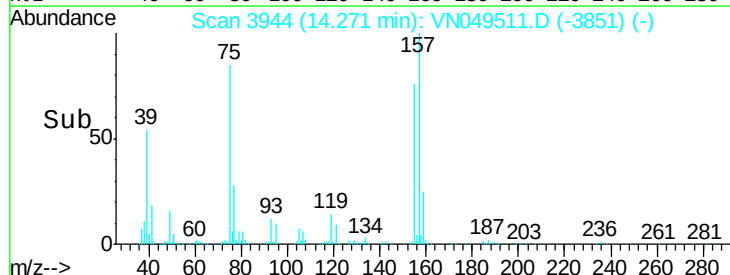
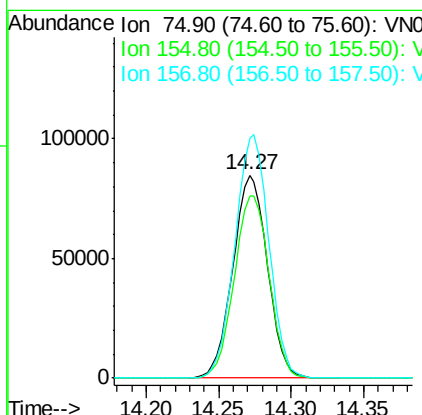
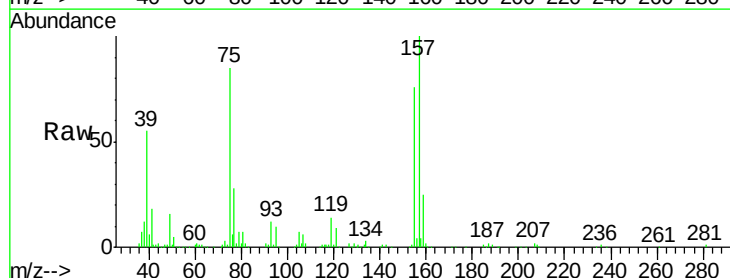
Manual Integrations
 APPROVED

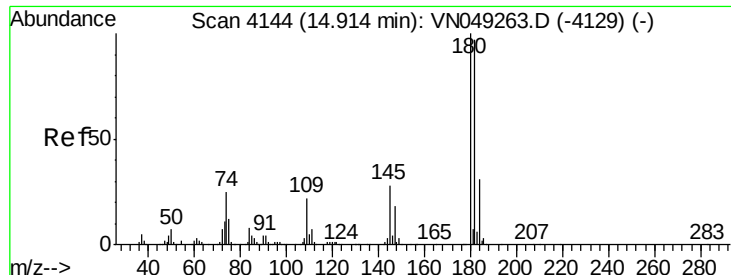
apatel
 6/26/2018 5:13:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.12 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	38.8	116.3
157	118.1	51.0	153.1





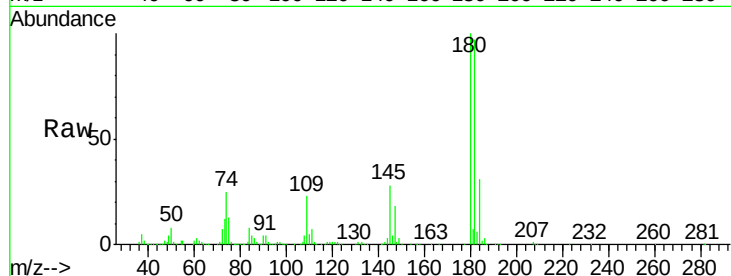
#93
 1,2,4-Trichlorobenzene
 Concen: 46.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

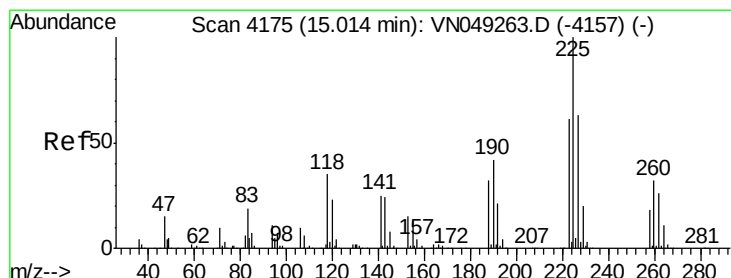
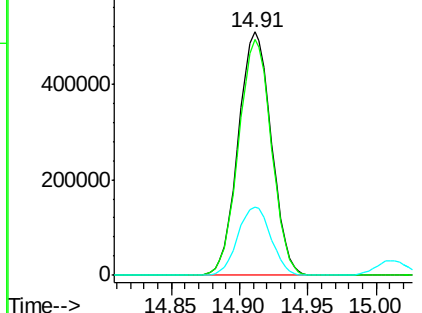
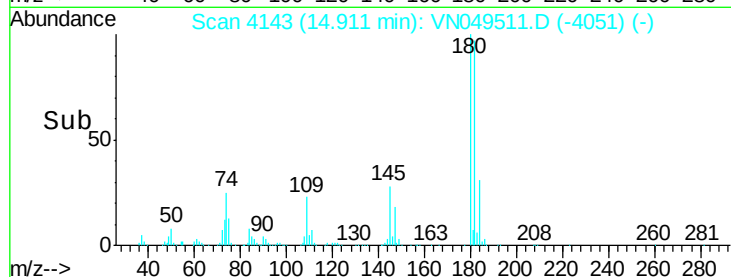
Tot Ion	Ratio	Resp	Lower	Upper
180	100	857044		
182	96.1	46.9	140.8	
145	28.3	14.7	44.1	

Manual Integrations
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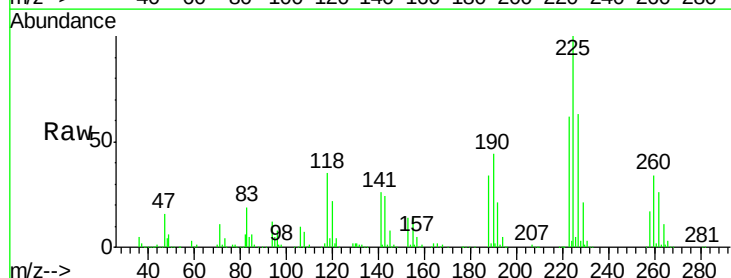


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

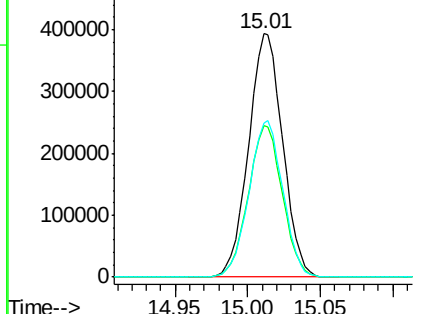
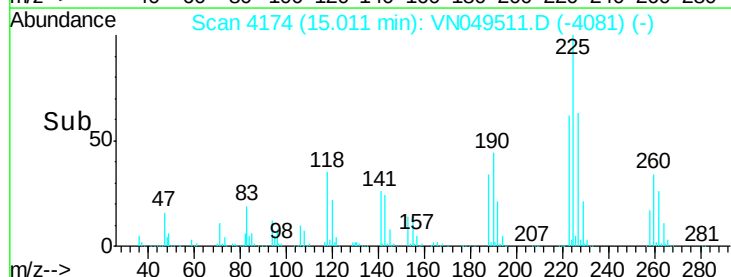


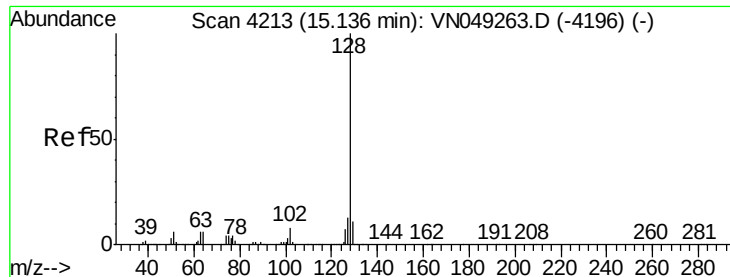
#94
 Hexachlorobutadiene
 Concen: 54.28 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049511.D
 Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	645157		
223	62.1	32.1	96.3	
227	63.6	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





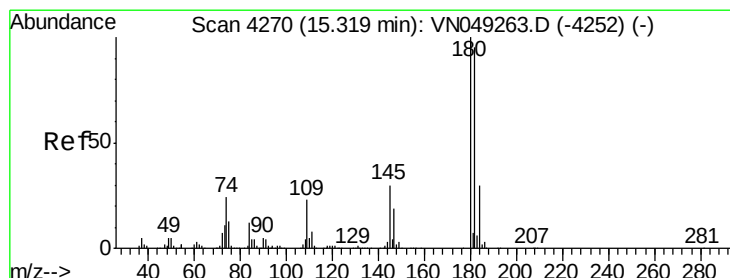
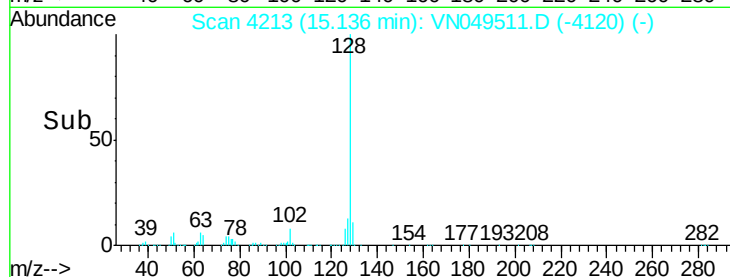
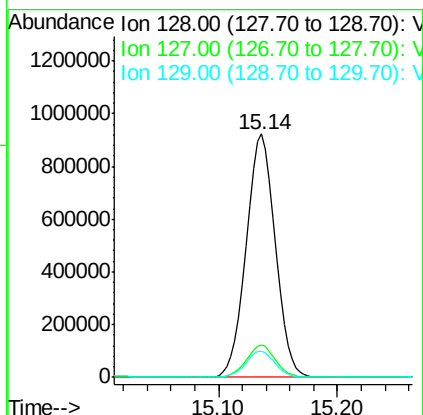
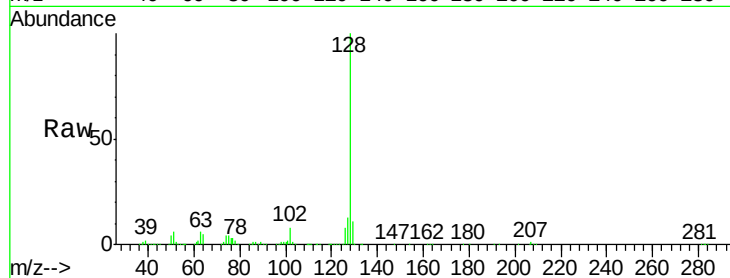
#95
Naphthalene
Concen: 47.50 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.77 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049511.D
Acq: 25 Jun 2018 13:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	30.1	15.6	46.7

