

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049263.D
 Acq On : 15 Jun 2018 15:18
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:11 PM

Quant Time: Jun 15 15:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1506616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2206810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2037613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1051725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	976820	40.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.30%	
35) Dibromofluoromethane	7.59	113	888705	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.09	98	3436293	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	1148045	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	783825	36.12	ug/l	99
3) Chloromethane	2.06	50	984614	44.40	ug/l	98
4) Vinyl Chloride	2.18	62	1064076	46.80	ug/l	100
5) Bromomethane	2.56	94	557403	40.66	ug/l	97
6) Chloroethane	2.70	64	656344	42.75	ug/l	100
7) Trichlorofluoromethane	3.01	101	1344290	41.99	ug/l	100
8) Diethyl Ether	3.41	74	484545	40.76	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	866419	41.81	ug/l	93
10) Methyl Iodide	3.95	142	988082	49.03	ug/l	92
11) Tert butyl alcohol	4.80	59	264244	199.27	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	788713	41.91	ug/l	90
13) Acrolein	3.61	56	318071	176.17	ug/l	97
14) Allyl chloride	4.32	41	1296447	36.69	ug/l	88
15) Acrylonitrile	4.99	53	1399782	196.12	ug/l	98
16) Acetone	3.82	43	1093831	188.17	ug/l	90
17) Carbon Disulfide	4.05	76	2403143	37.43	ug/l	100
18) Methyl Acetate	4.33	43	663055	27.12	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2144175	41.82	ug/l	100
20) Methylene Chloride	4.55	84	914592	38.74	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	847582	40.63	ug/l	93
22) Diisopropyl ether	5.96	45	2639037	37.41	ug/l	96
23) Vinyl Acetate	5.90	43	8859805	190.02	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1608402	38.26	ug/l	99
25) 2-Butanone	6.84	43	1534028	184.30	ug/l	95
26) 2,2-Dichloropropane	6.82	77	1314186	41.69	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	960514	42.28	ug/l	93
28) Bromochloromethane	7.20	49	767955	38.49	ug/l	85
29) Tetrahydrofuran	7.22	42	1005874	187.85	ug/l	94
30) Chloroform	7.37	83	1608628	39.83	ug/l	100
31) Cyclohexane	7.65	56	1430527	34.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1377757	39.60	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1239372	44.95	ug/l	98
37) Ethyl Acetate	6.93	43	700782	40.26	ug/l	96
38) Carbon Tetrachloride	7.78	117	1254097	45.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1332465	46.78	ug/l	95
40) Benzene	8.04	78	3717688	44.50	ug/l	98
41) Methacrylonitrile	7.18	41	385892	39.19	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1137388	41.26	ug/l	96
43) Isopropyl Acetate	8.17	43	1258692	39.33	ug/l	95
44) Trichloroethene	8.84	130	989922	47.46	ug/l	91
45) 1,2-Dichloropropane	9.12	63	976214	42.49	ug/l	99
46) Dibromomethane	9.21	93	565314	44.54	ug/l	92
47) Bromodichloromethane	9.40	83	1245266	43.55	ug/l	97
48) Methyl methacrylate	9.20	41	635166	40.62	ug/l	87
49) 1,4-Dioxane	9.20	88	168681	913.46	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	3404830	199.78	ug/l	93
52) Toluene	10.16	92	2293148	47.18	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1227386	45.15	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1450312	46.04	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	805743	45.17	ug/l	98
56) Ethyl methacrylate	10.43	69	1002322	46.61	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	1365107	44.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1595911	229.08	ug/l	95
59) 2-Hexanone	10.75	43	2203831	207.52	ug/l	93
60) Dibromochloromethane	10.90	129	925831	46.81	ug/l	99
61) 1,2-Dibromoethane	11.01	107	760998	46.13	ug/l	100
64) Tetrachloroethene	10.63	164	973279	47.67	ug/l	98
65) Chlorobenzene	11.44	112	2476888	47.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	926259	46.33	ug/l	99
67) Ethyl Benzene	11.51	91	4337177	47.83	ug/l	99
68) m/p-Xylenes	11.62	106	3317332	100.04	ug/l	98
69) o-Xylene	11.95	106	1608294	50.36	ug/l	95
70) Styrene	11.97	104	2623646	51.89	ug/l	97
71) Bromoform	12.13	173	620230	49.63	ug/l	100
73) Isopropylbenzene	12.25	105	4273617	42.31	ug/l	98
74) N-amyl acetate	12.07	43	1047525	36.40	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	936981	36.34	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	829459m	40.42	ug/l	
77) Bromobenzene	12.53	156	1064730	42.95	ug/l	90
78) n-propylbenzene	12.59	91	4918851	43.83	ug/l	98
79) 2-Chlorotoluene	12.68	91	2918933	41.24	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3518589	45.43	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	257082	40.84	ug/l	90
82) 4-Chlorotoluene	12.78	91	2916865	43.45	ug/l	97
83) tert-Butylbenzene	13.00	119	2959150	44.35	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	3533269	45.89	ug/l	98
85) sec-Butylbenzene	13.17	105	3999748	44.97	ug/l	98
86) p-Isopropyltoluene	13.29	119	3461725	48.05	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1847842	46.76	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1813032	46.58	ug/l	99
89) n-Butylbenzene	13.62	91	2761179	49.65	ug/l	97
90) Hexachloroethane	13.88	117	668453	39.37	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1821084	46.84	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	141421	40.25	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	769016	53.92	ug/l	98
94) Hexachlorobutadiene	15.01	225	576160	49.01	ug/l	98
95) Naphthalene	15.14	128	1485331	47.82	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	780561	50.84	ug/l	98

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

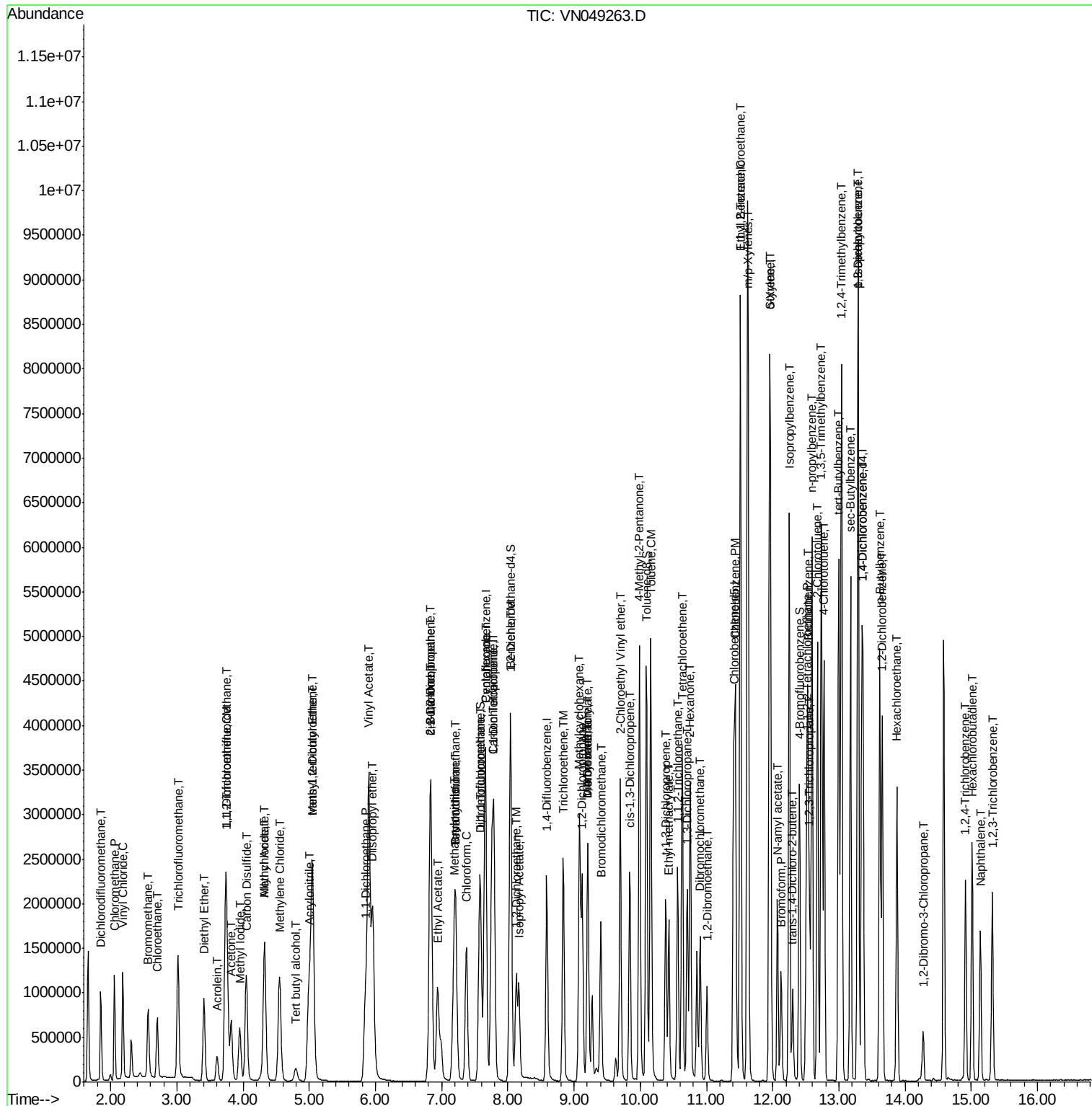
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Data File : VN049263.D
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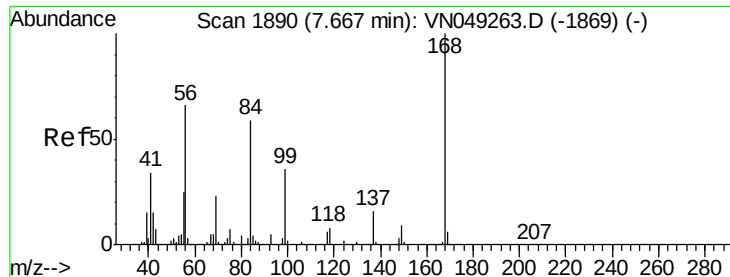
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1506616

Ion Ratio Lower Upper

168 100

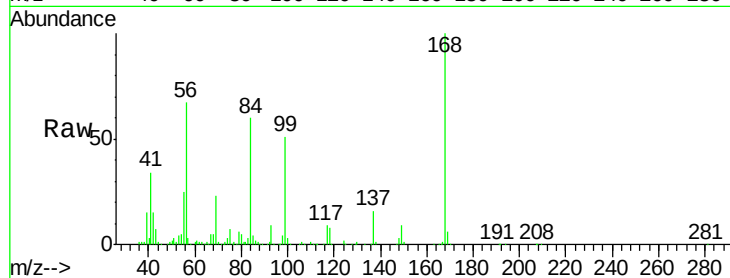
99 50.7 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

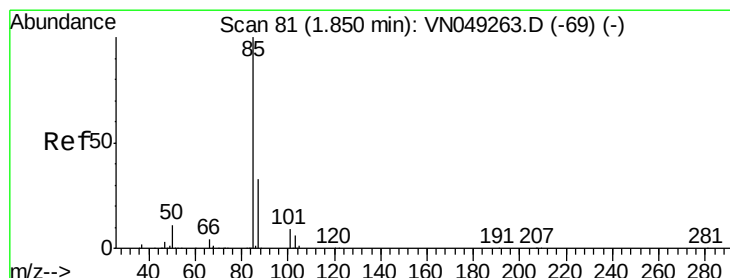
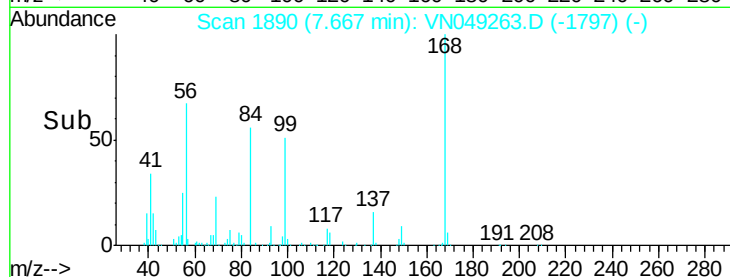
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200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 36.12 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049263.D

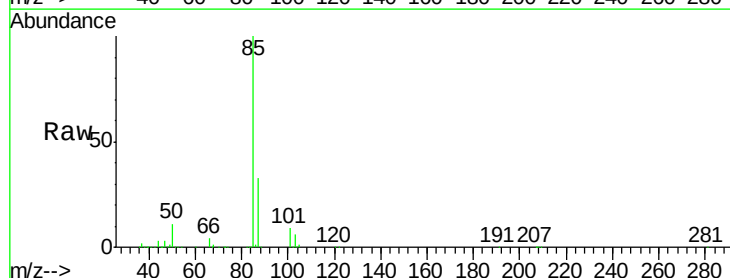
Acq: 15 Jun 2018 15:18

Tgt Ion: 85 Resp: 783825

Ion Ratio Lower Upper

85 100

87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

600000

500000

400000

300000

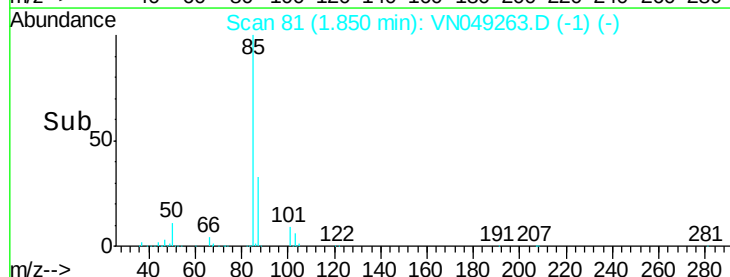
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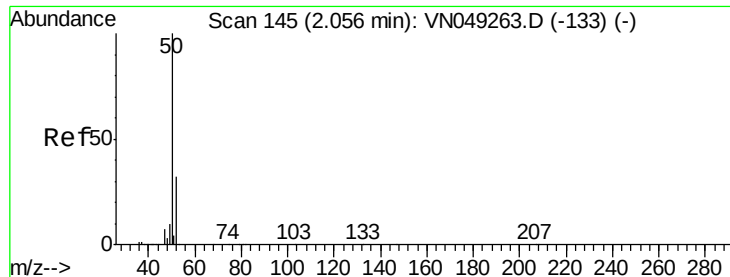
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.40 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 984614

Ion Ratio Lower Upper

50 100

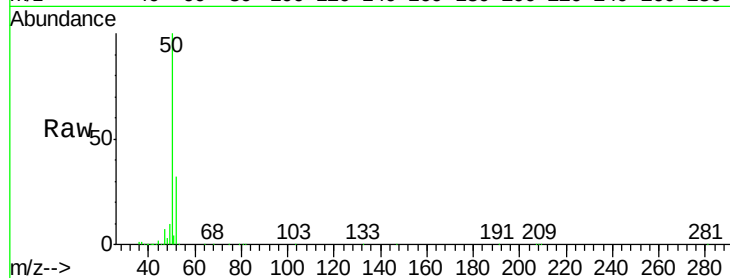
52 32.5 25.2 37.8

Manual Integrations

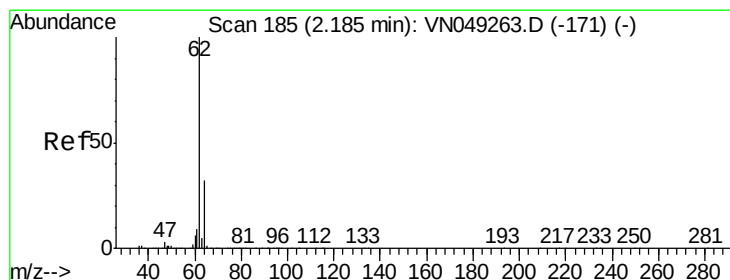
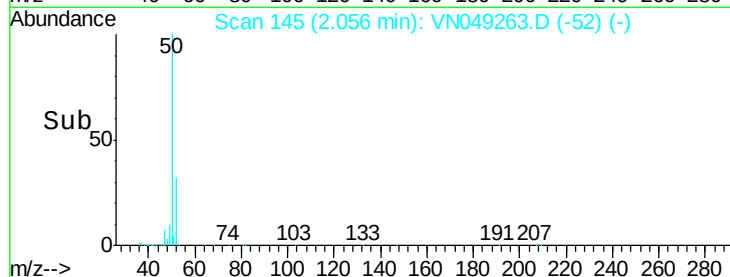
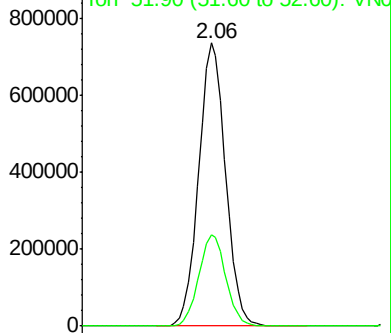
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Abundance Ion 49.90 (49.60 to 50.60): VN049263.D (-133) (-)



#4

Vinyl Chloride

Concen: 46.80 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049263.D

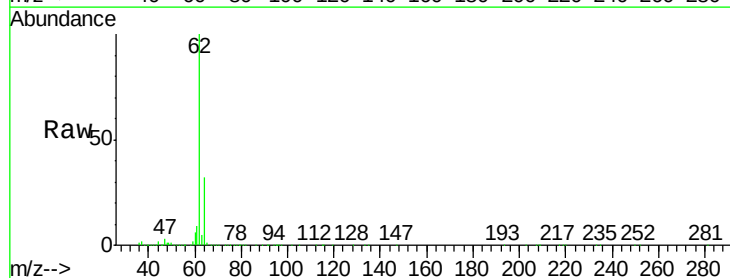
Acq: 15 Jun 2018 15:18

Tgt Ion: 62 Resp: 1064076

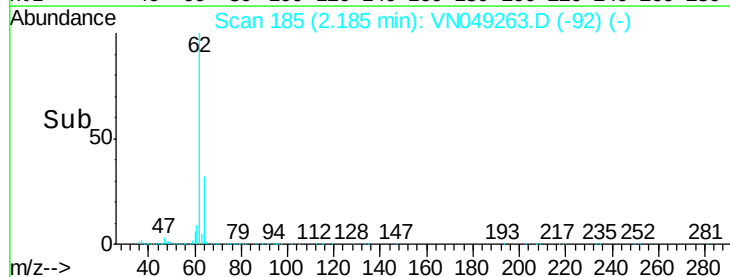
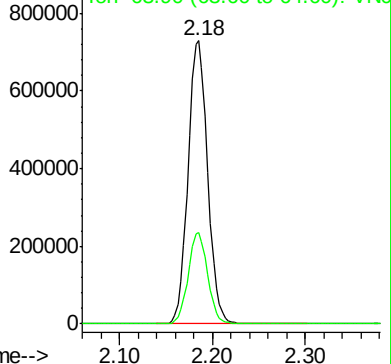
Ion Ratio Lower Upper

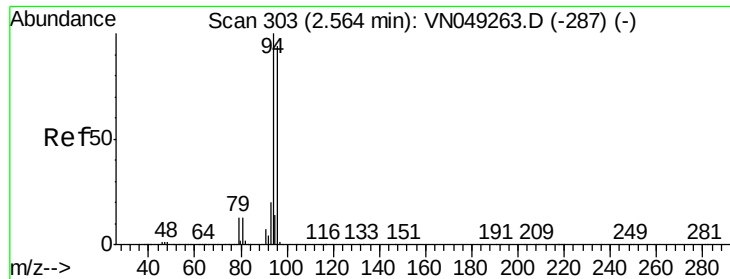
62 100

64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049263.D (-171) (-)





#5

Bromomethane

Concen: 40.66 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 557403

Ion Ratio Lower Upper

94 100

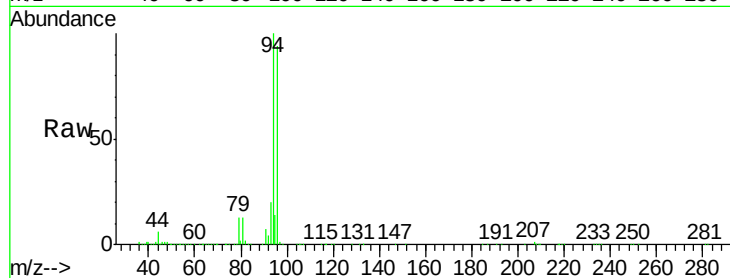
96 93.7 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

300000

250000

200000

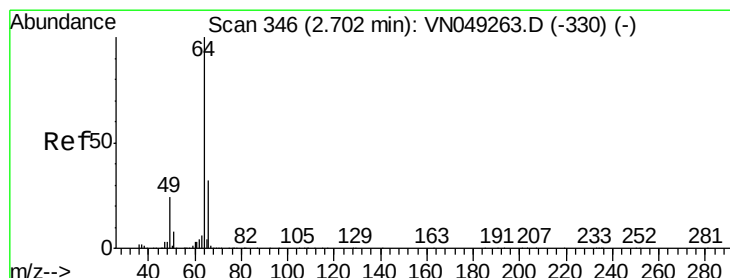
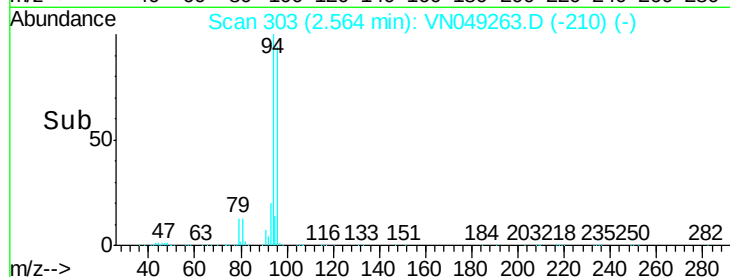
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 42.75 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049263.D

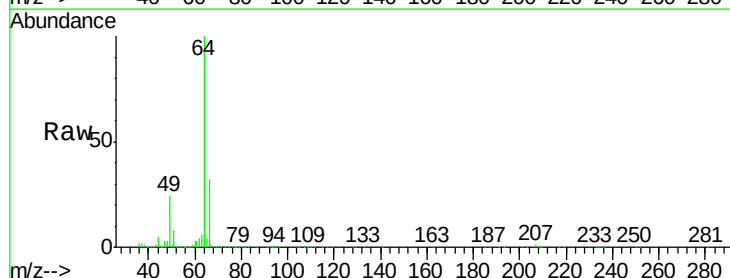
Acq: 15 Jun 2018 15:18

Tgt Ion: 64 Resp: 656344

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

400000

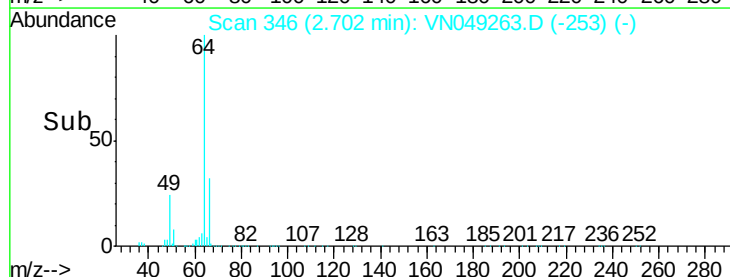
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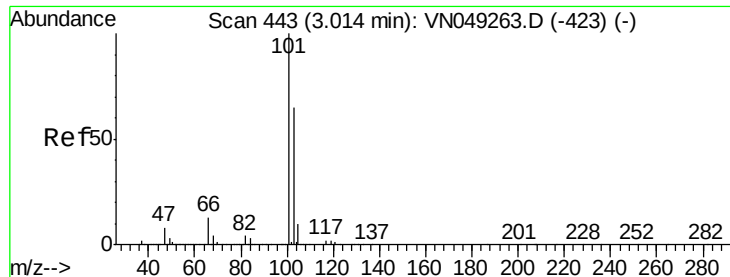
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100000

0

Time-->





#7

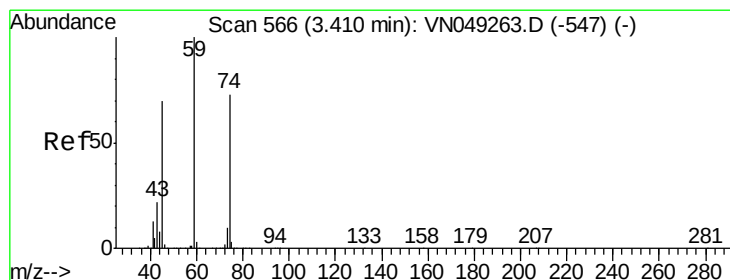
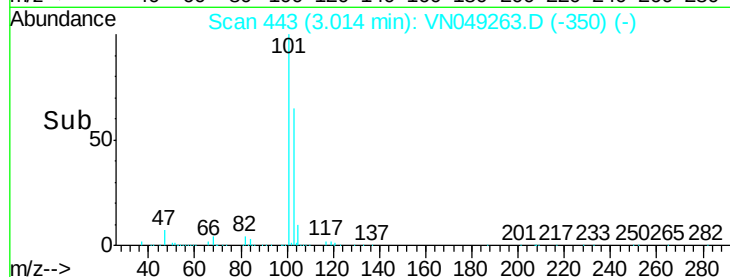
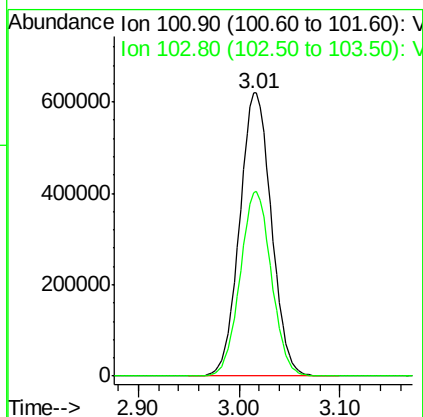
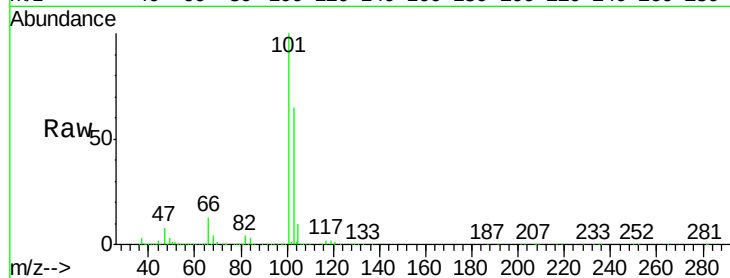
Trichlorofluoromethane
 Concen: 41.99 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
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Tot Ion:101 Resp: 1344290
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.7 77.5

Manual Integrations
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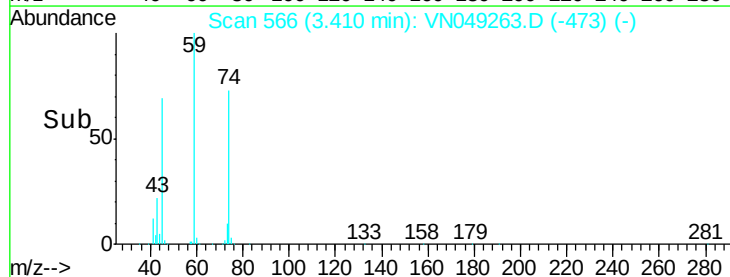
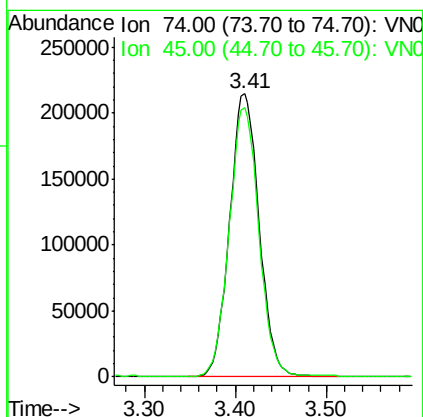
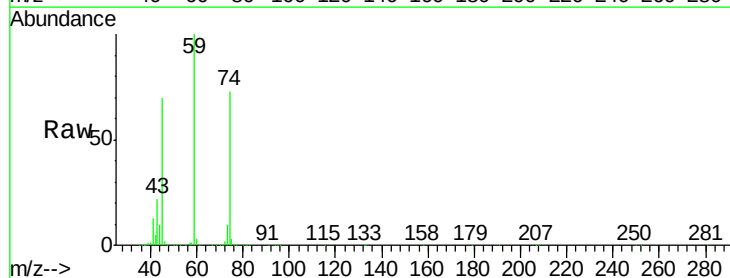
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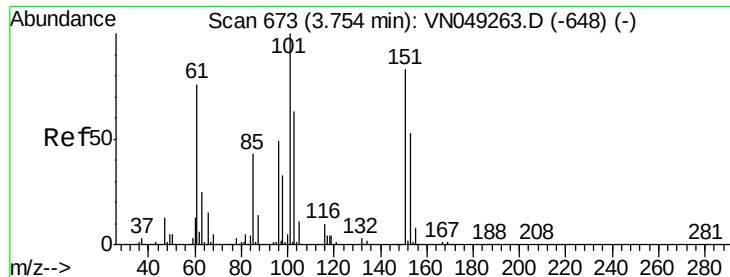


#8

Diethyl Ether
 Concen: 40.76 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion: 74 Resp: 484545
 Ion Ratio Lower Upper
 74 100
 45 94.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.81 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

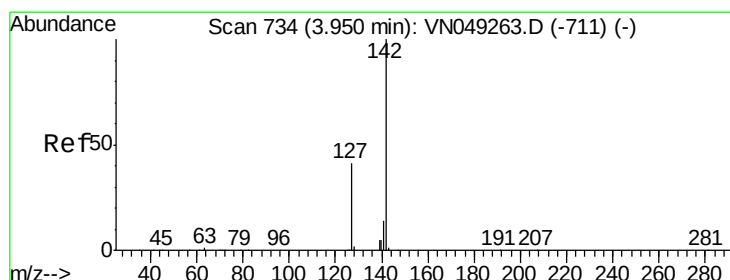
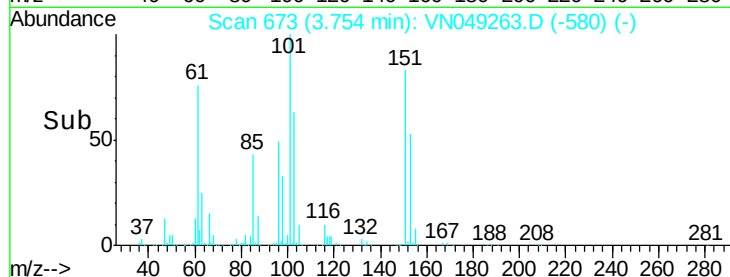
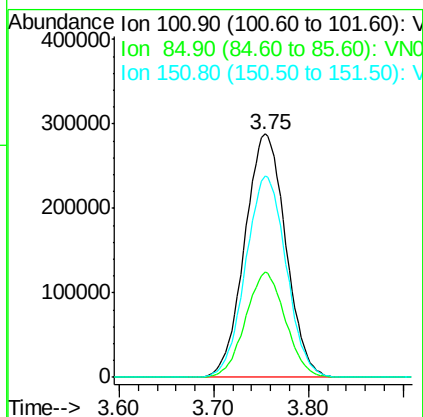
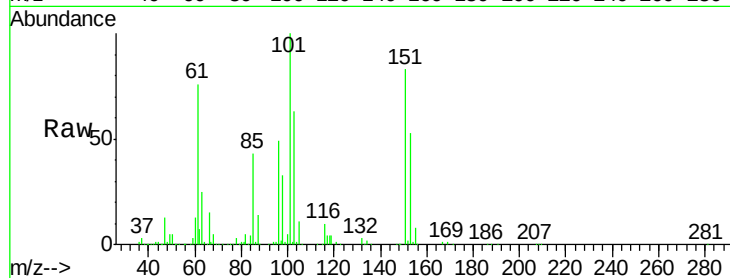
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	866419
Ion Ratio	Lower	Upper	
101	100		
85	42.1	37.6	56.4
151	82.0	61.1	91.7

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#10

Methyl Iodide

Concen: 49.03 ug/l

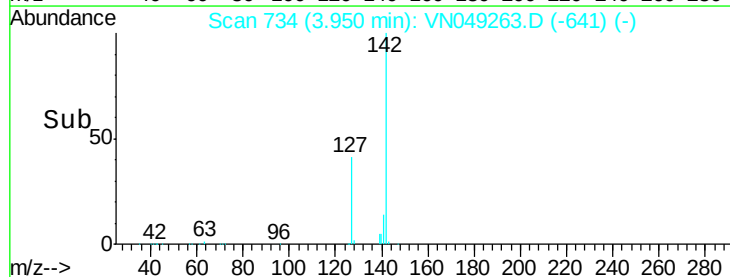
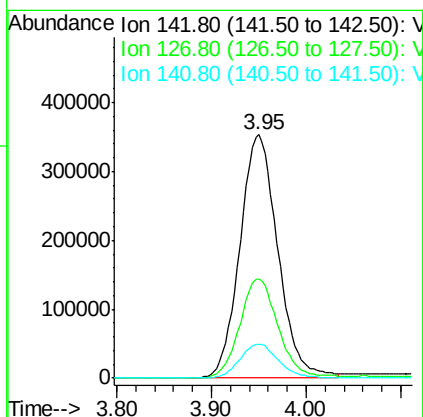
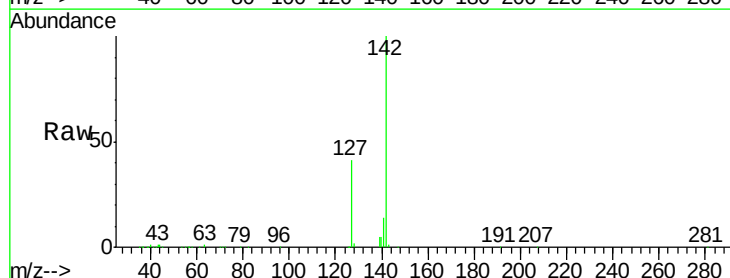
RT: 3.95 min Scan# 734

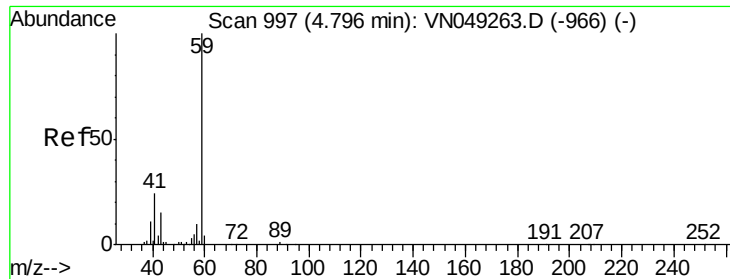
Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Tgt Ion:	142	Resp:	988082
Ion Ratio	Lower	Upper	
142	100		
127	41.4	38.2	57.4
141	14.3	11.9	17.9





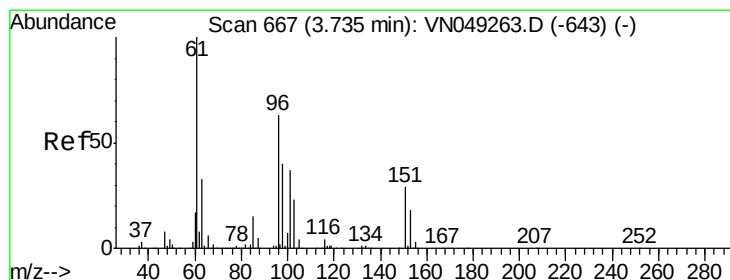
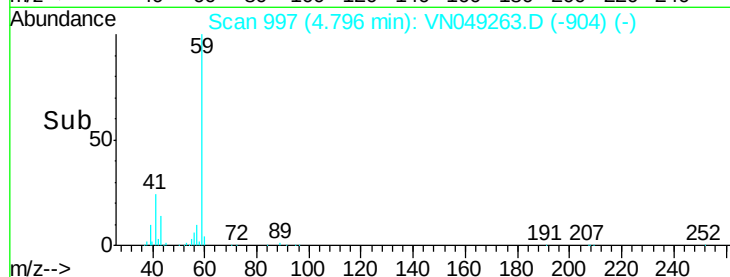
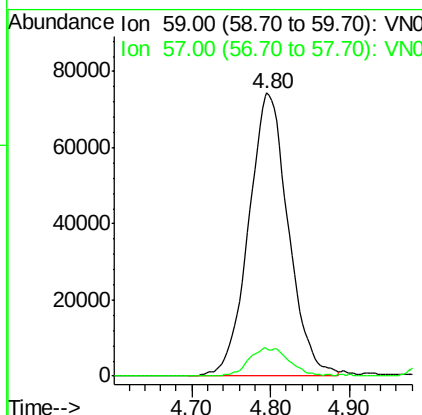
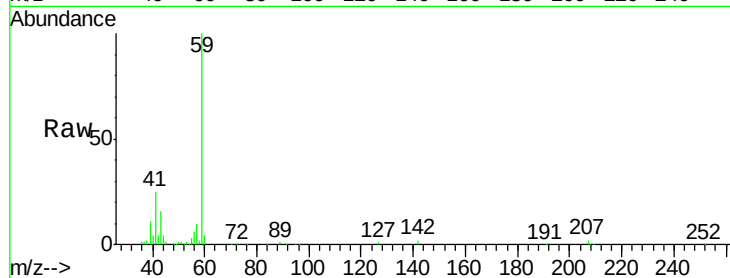
#11
Tert butyl alcohol
Concen: 199.27 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	9.0	13.6#

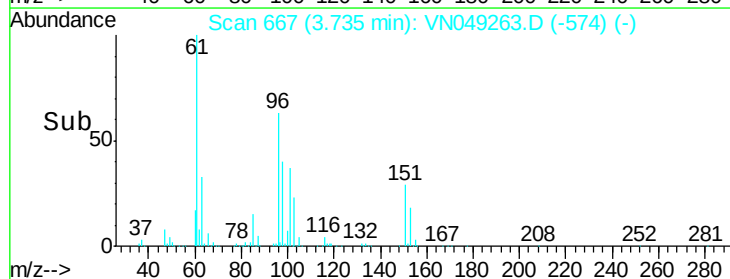
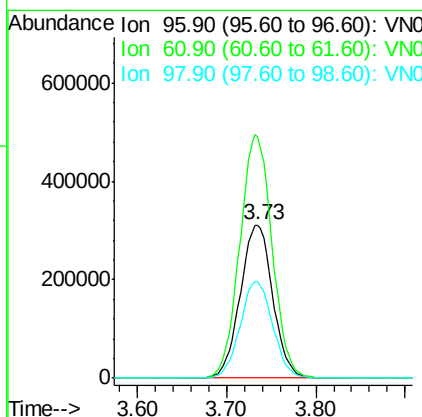
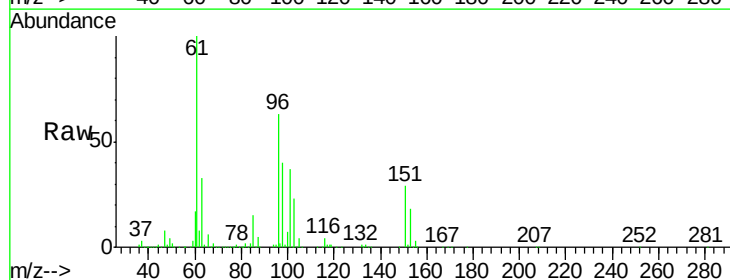
Manual Integrations
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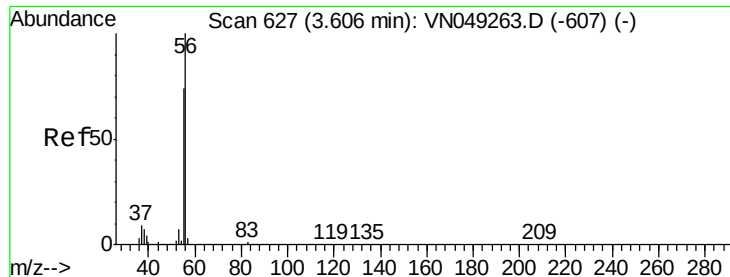
MMDadoda
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#12
1,1-Dichloroethene
Concen: 41.91 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	141.0	211.4
98	62.9	50.4	75.6





#13

Acrolein

Concen: 176.17 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 318071

Ion Ratio Lower Upper

56 100

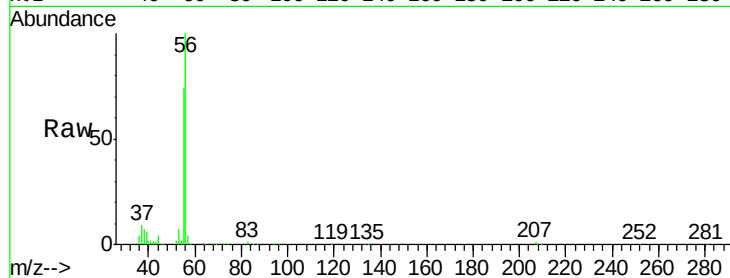
55 73.6 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

150000

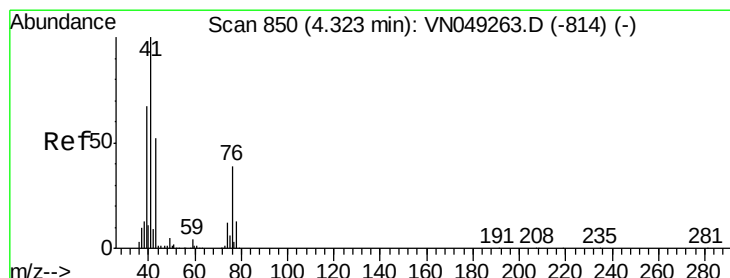
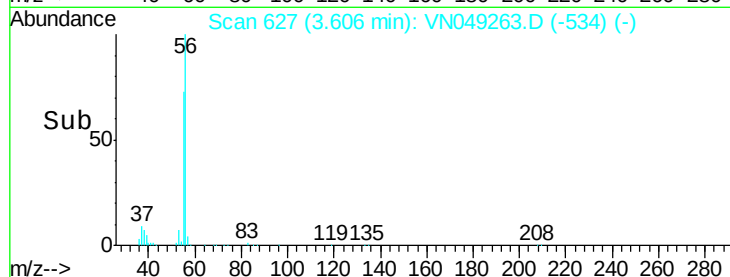
100000

50000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 36.69 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

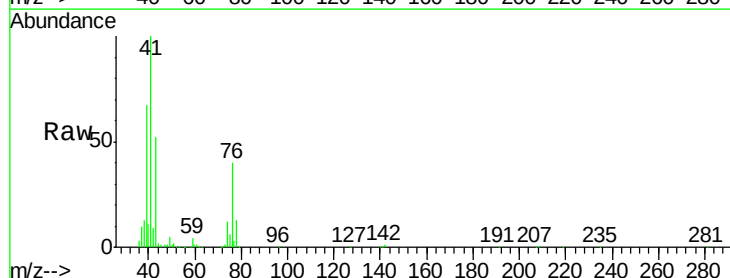
Tgt Ion: 41 Resp: 1296447

Ion Ratio Lower Upper

41 100

39 64.8 62.5 93.7

76 36.9 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

600000

500000

400000

300000

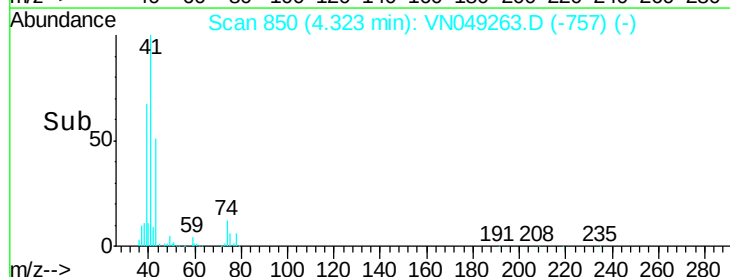
200000

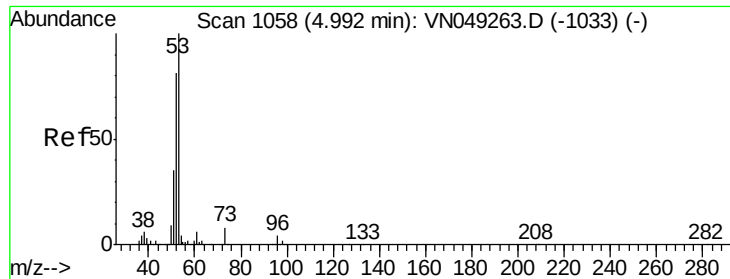
100000

0

4.10 4.20 4.30 4.40 4.50

Time-->





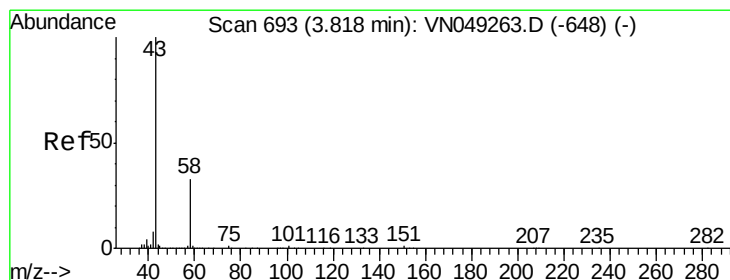
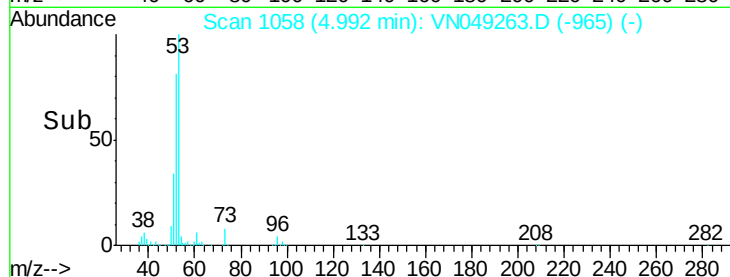
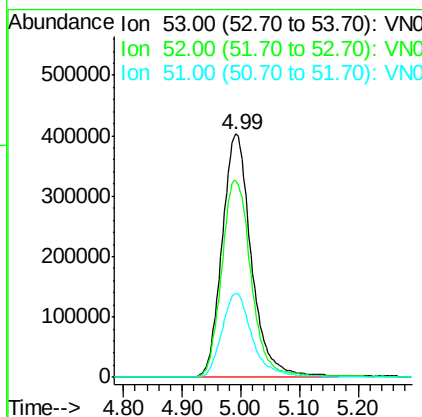
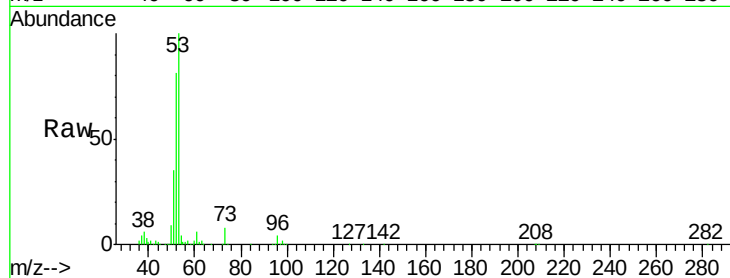
#15
 Acrylonitrile
 Concen: 196.12 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	53	Resp	1399782
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.6	100.0
51	35.8	29.8	44.8

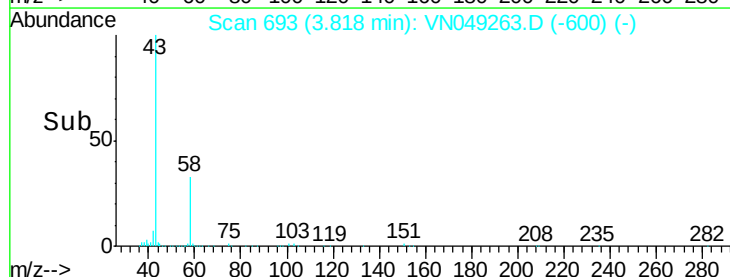
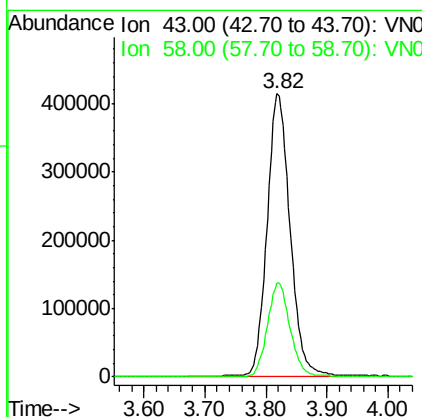
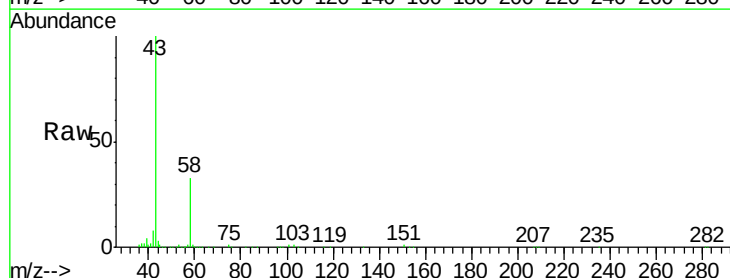
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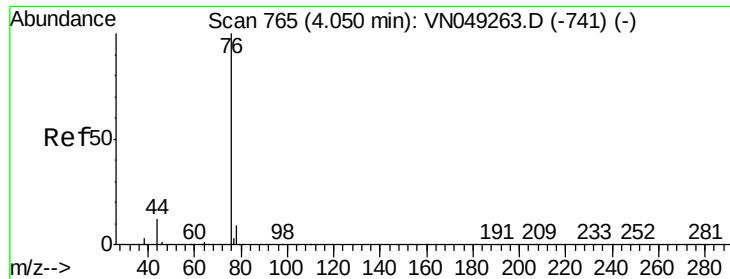
MMDadoda
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#16
 Acetone
 Concen: 188.17 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	43	Resp	1093831
Ion	Ratio	Lower	Upper
43	100		
58	33.0	22.4	33.6





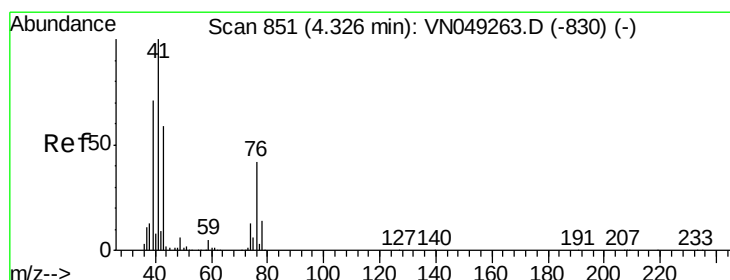
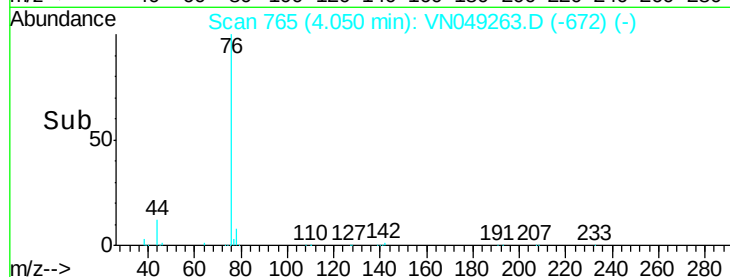
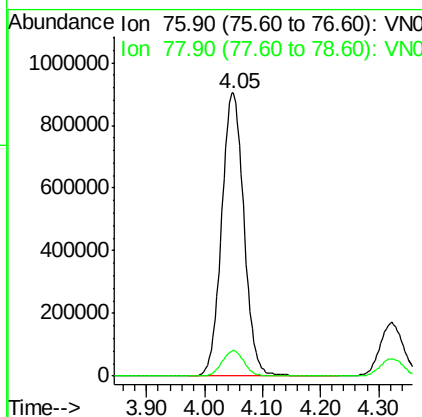
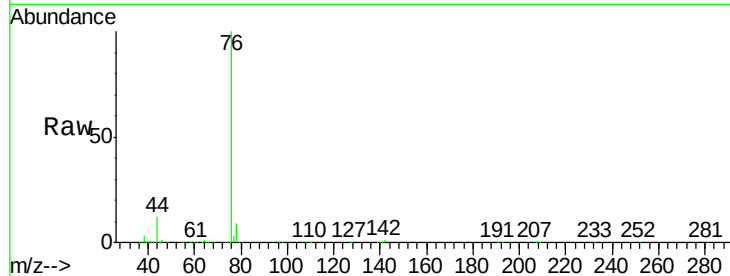
#17
Carbon Disulfide
Concen: 37.43 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 2403143
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

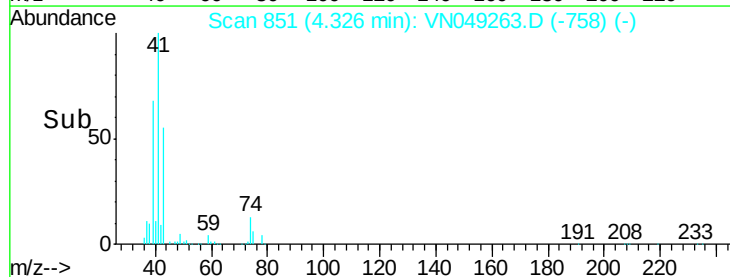
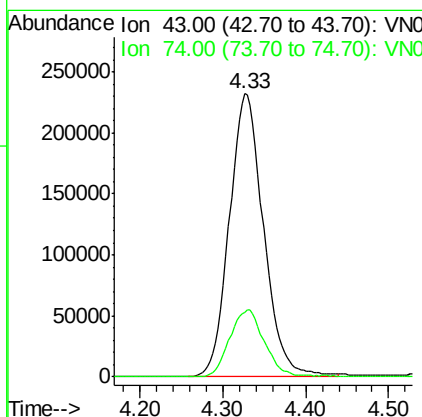
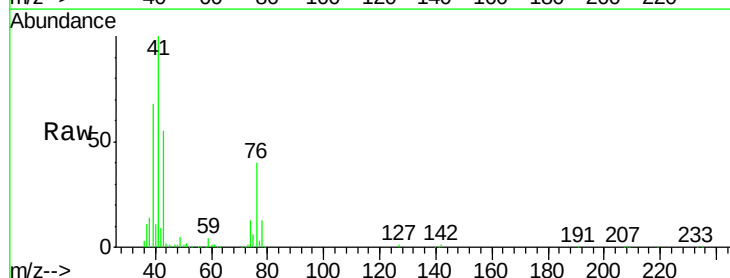
Manual Integrations
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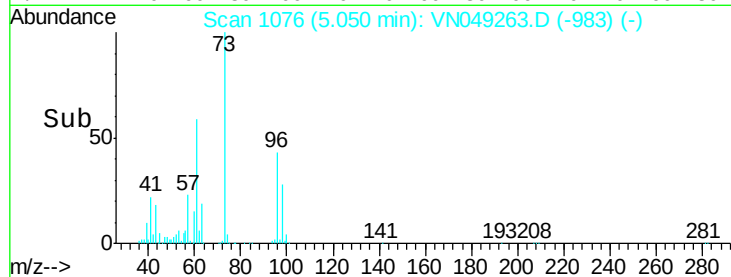
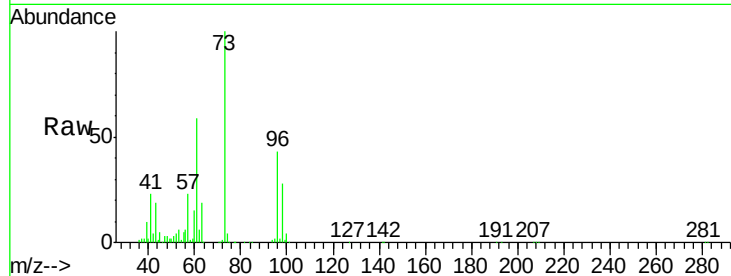
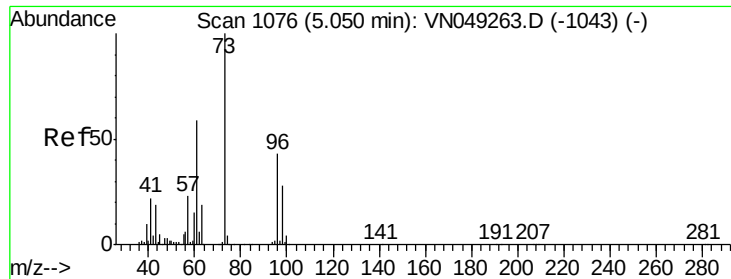
MMDadoda
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#18
Methyl Acetate
Concen: 27.12 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion: 43 Resp: 663055
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0





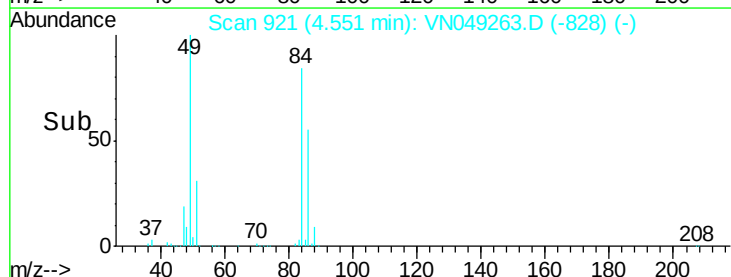
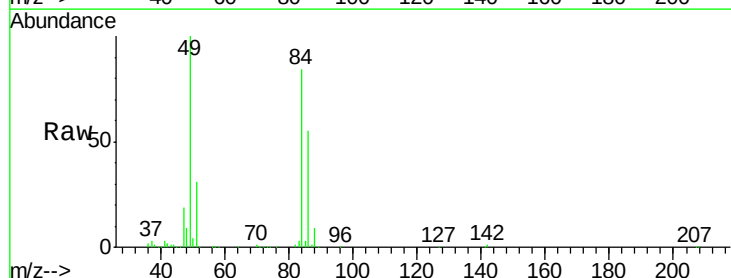
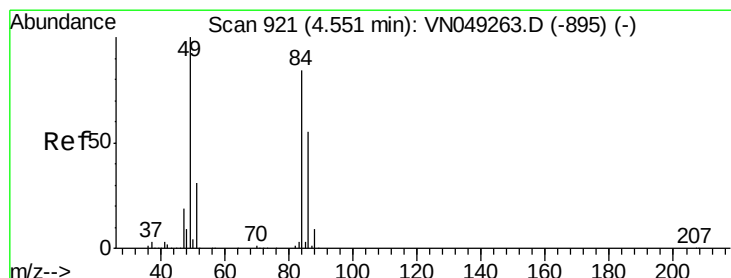
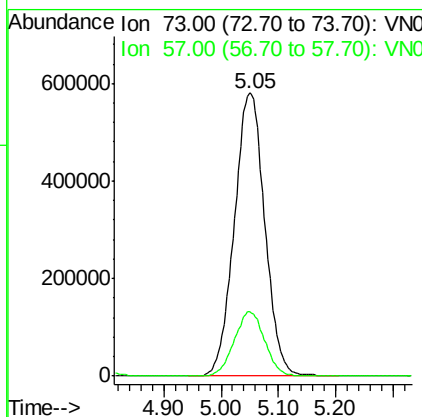
#19
Methyl tert-butyl Ether
Concen: 41.82 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tot Ion: 73 Resp: 2144175
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

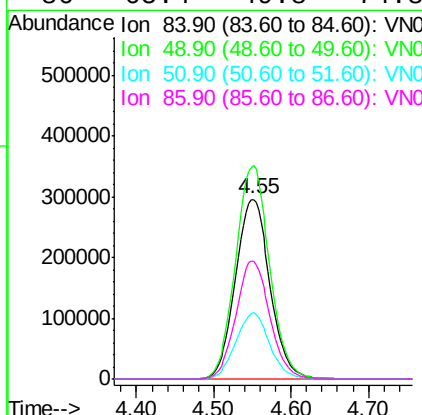
Manual Integrations
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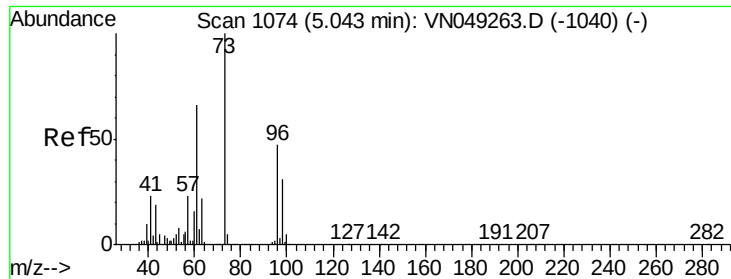
MMDadoda
6/18/2018 3:16:11 PM



#20
Methylene Chloride
Concen: 38.74 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion: 84 Resp: 914592
Ion Ratio Lower Upper
84 100
49 118.9 106.9 160.3
51 36.9 32.7 49.1
86 65.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 40.63 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

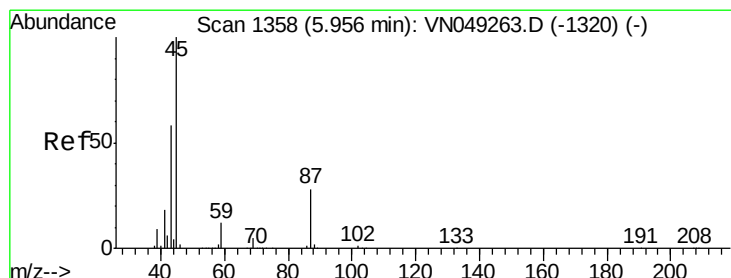
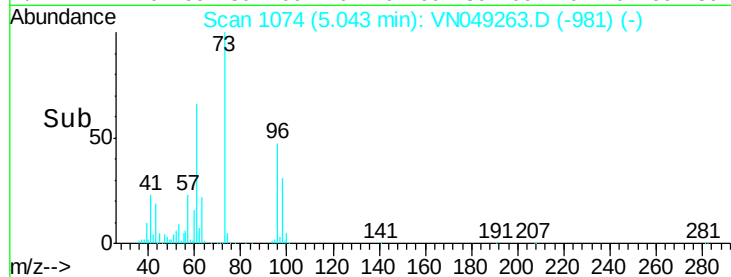
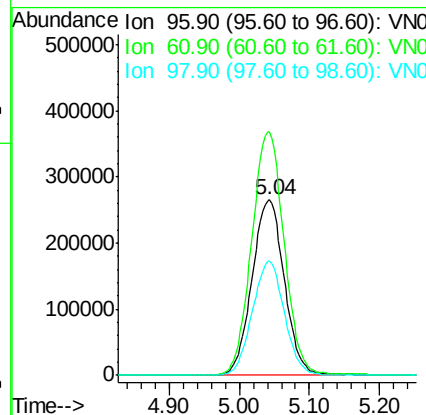
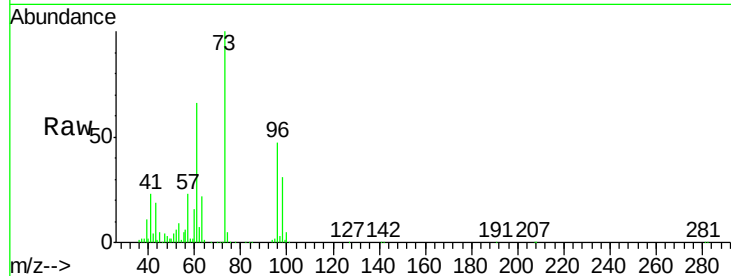
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	847582
Ion	Ratio	Lower	Upper
96	100		
61	138.8	121.3	181.9
98	65.0	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 37.41 ug/l

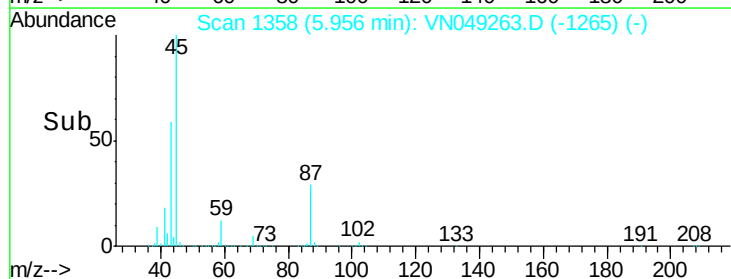
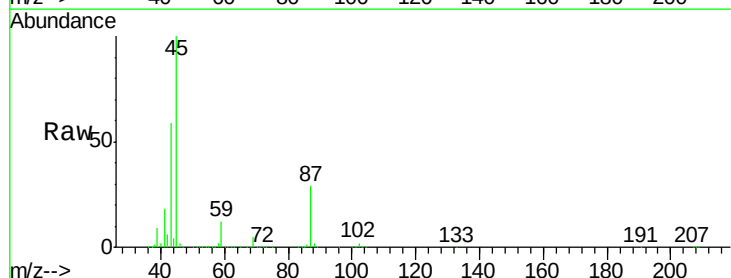
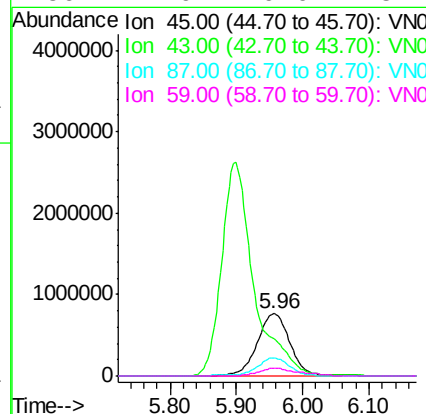
RT: 5.96 min Scan# 1358

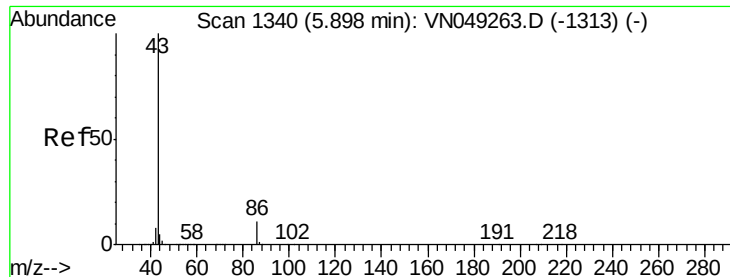
Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Tgt Ion:	45	Resp:	2639037
Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.6	72.8
87	28.4	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 190.02 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 8859805

Ion Ratio Lower Upper

43 100

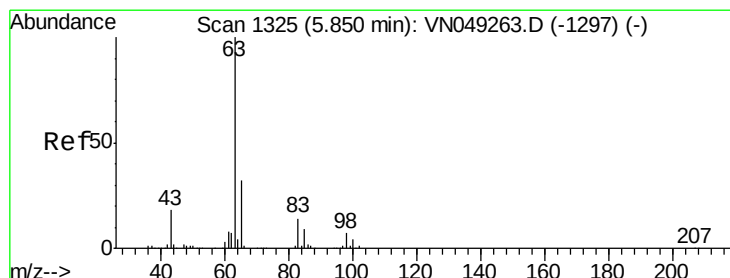
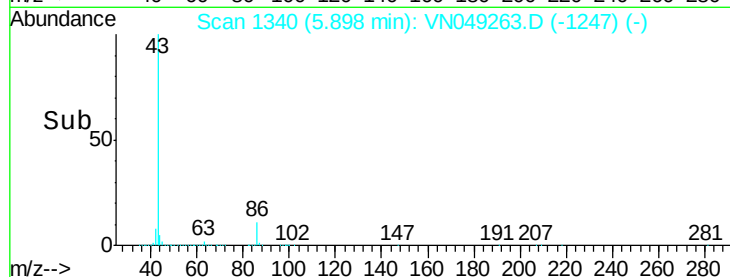
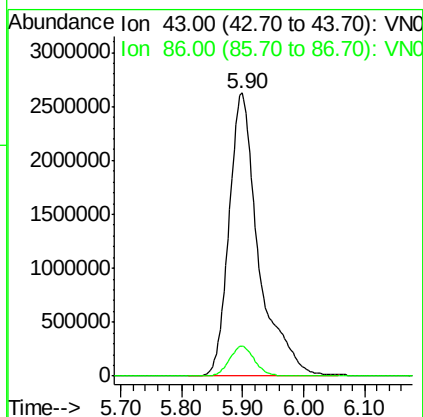
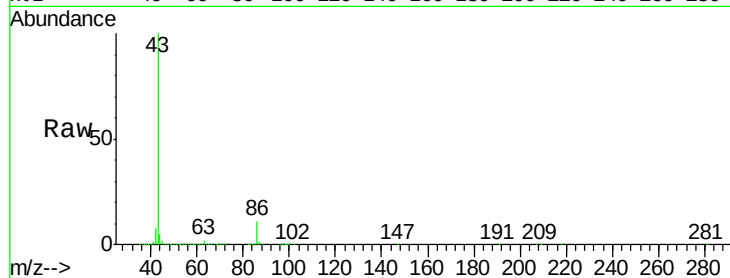
86 10.5 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 38.26 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

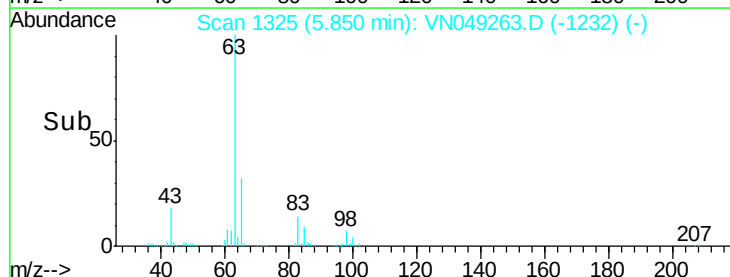
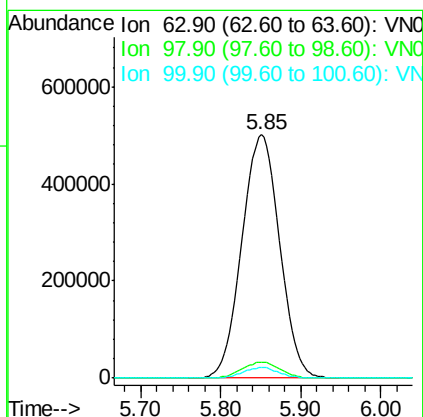
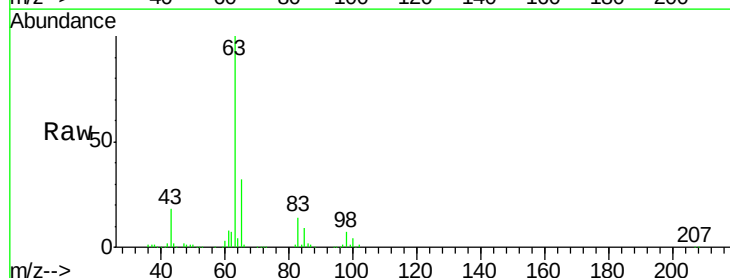
Tgt Ion: 63 Resp: 1608402

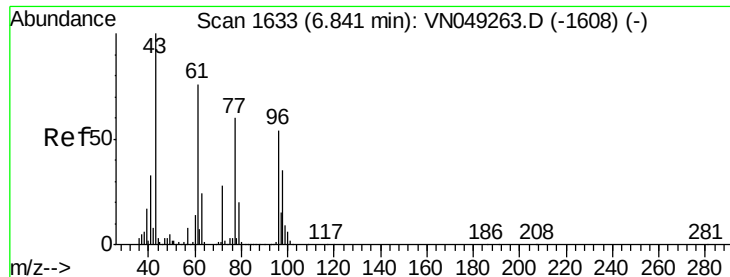
Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 184.30 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1534028

Ion Ratio Lower Upper

43 100

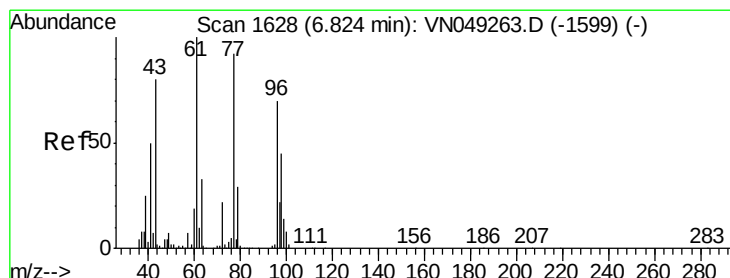
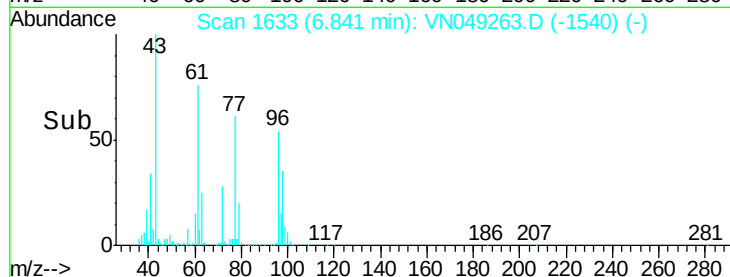
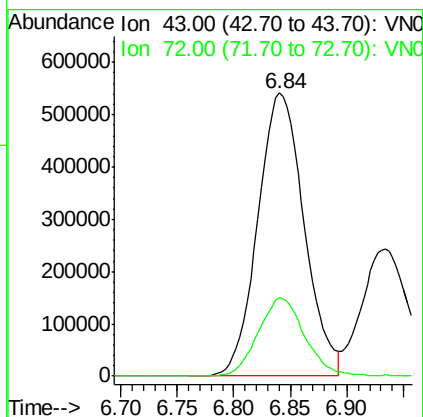
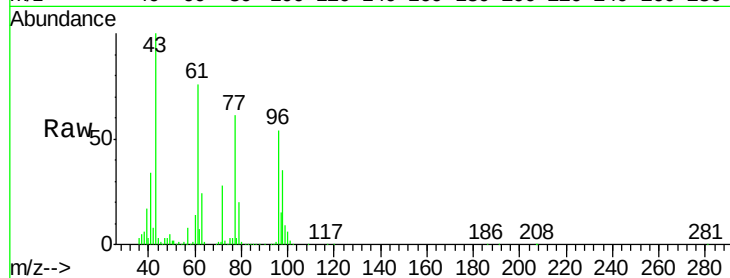
72 27.6 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.69 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049263.D

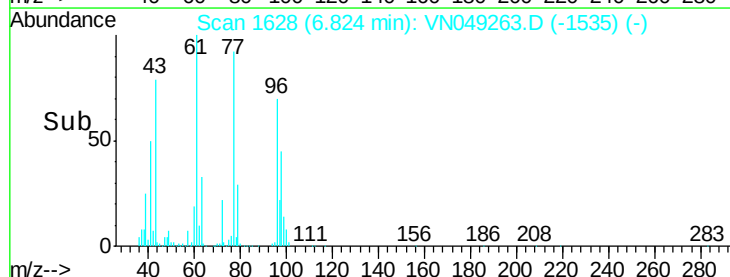
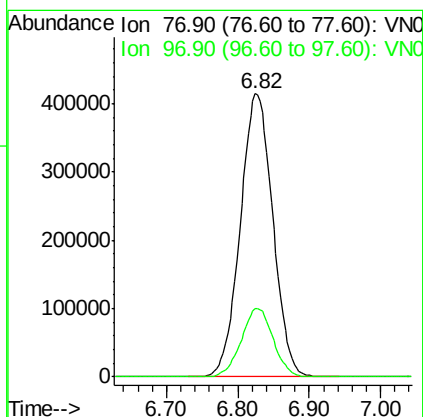
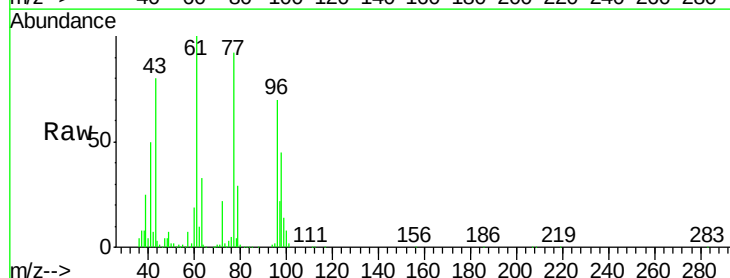
Acq: 15 Jun 2018 15:18

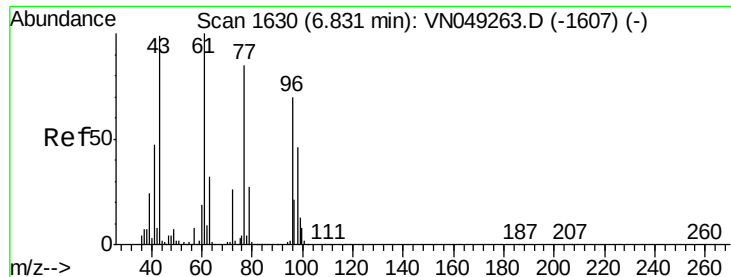
Tgt Ion: 77 Resp: 1314186

Ion Ratio Lower Upper

77 100

97 23.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 42.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

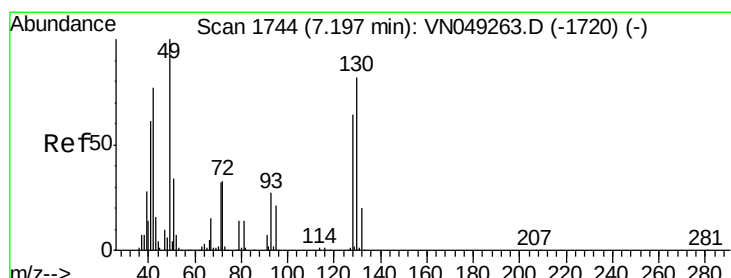
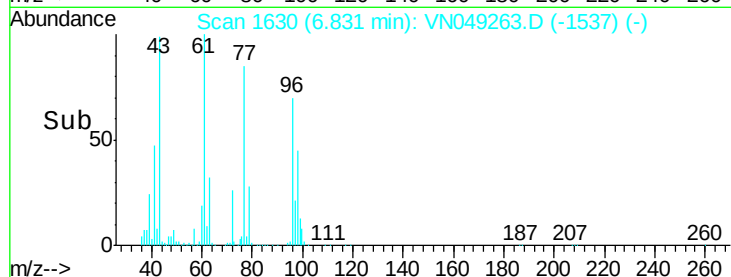
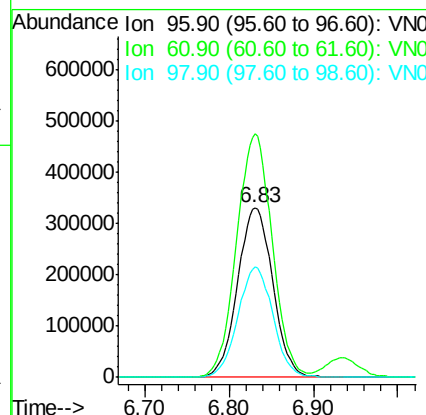
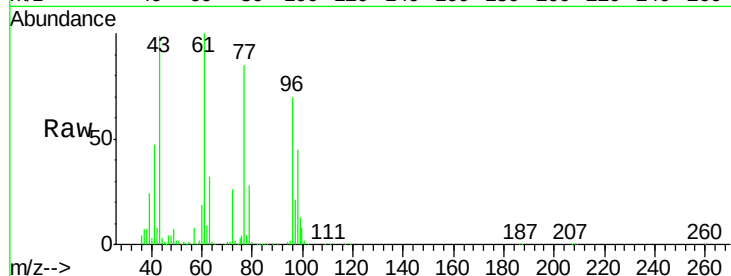
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	960514
Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	316.4
98	64.9	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 38.49 ug/l

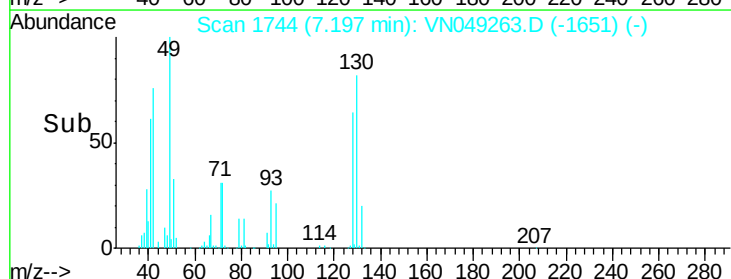
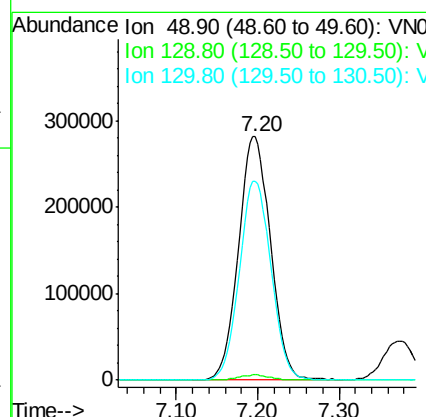
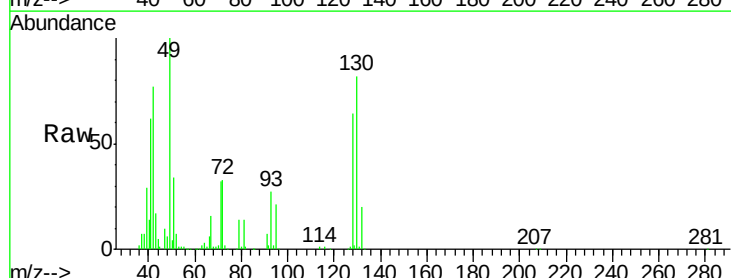
RT: 7.20 min Scan# 1744

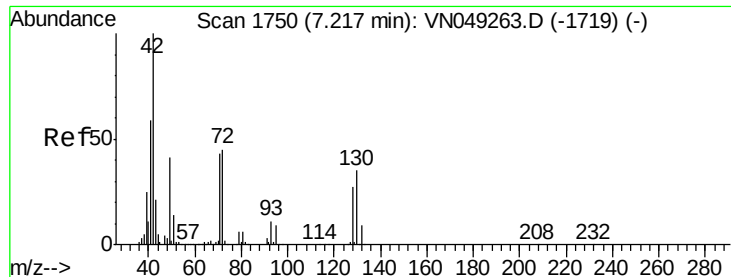
Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Tgt Ion:	49	Resp:	767955
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.0	54.9	82.3





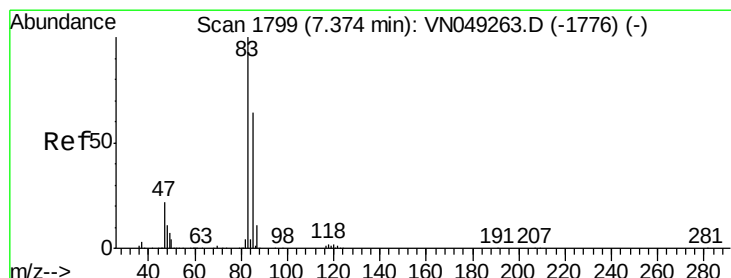
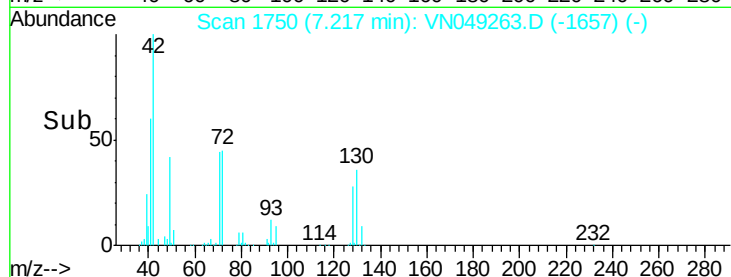
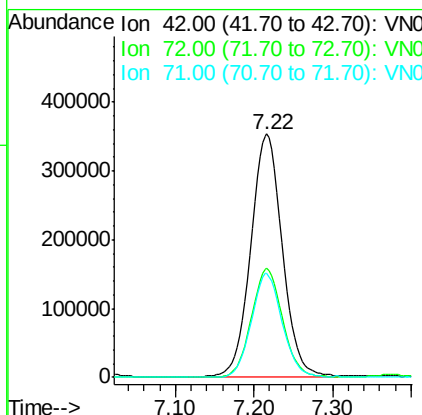
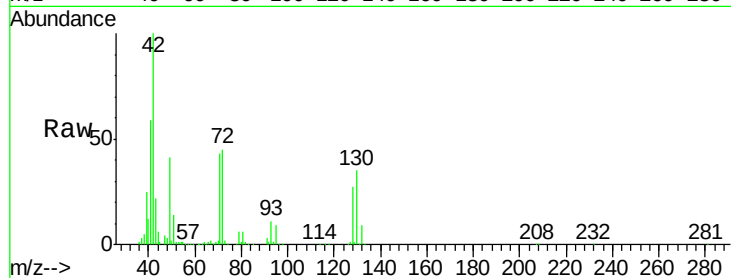
#29
Tetrahydrofuran
Concen: 187.85 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	32.2	48.4
71	41.7	30.5	45.7

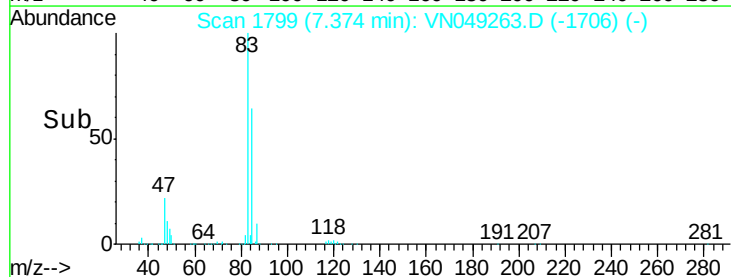
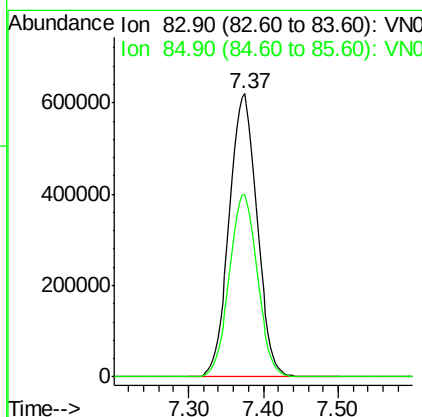
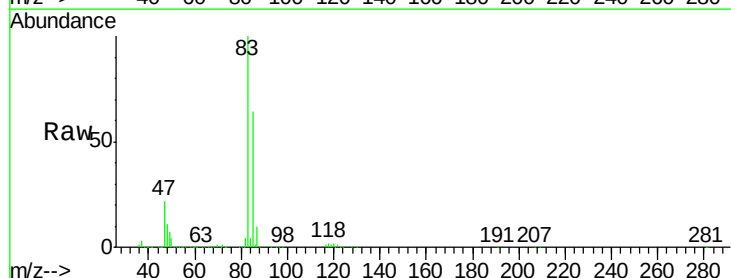
Manual Integrations
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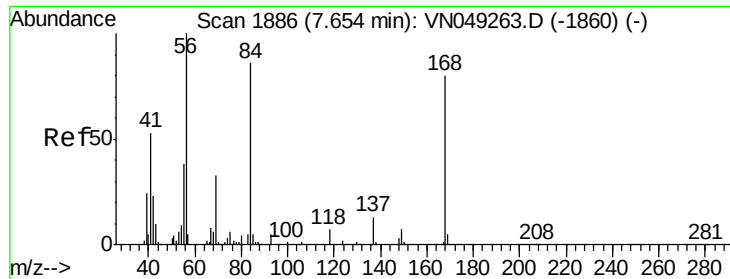
MMDadoda
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#30
Chloroform
Concen: 39.83 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5





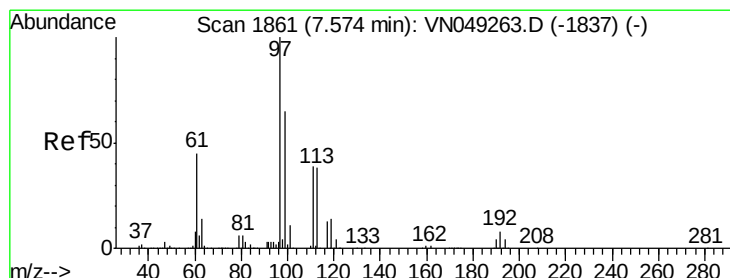
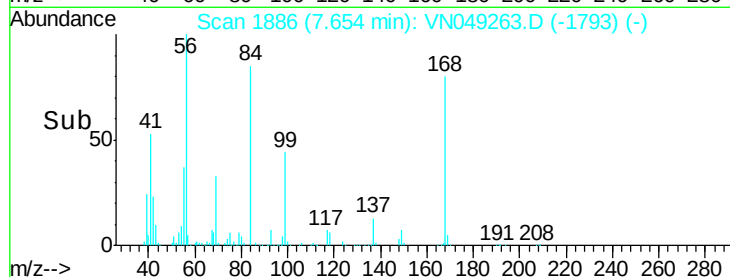
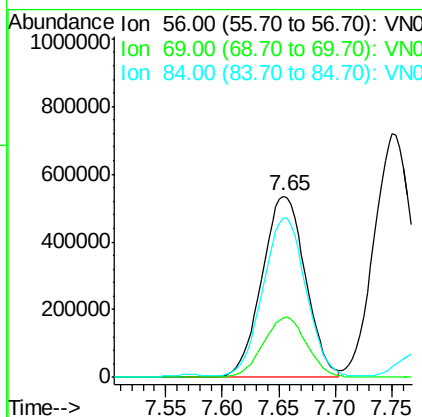
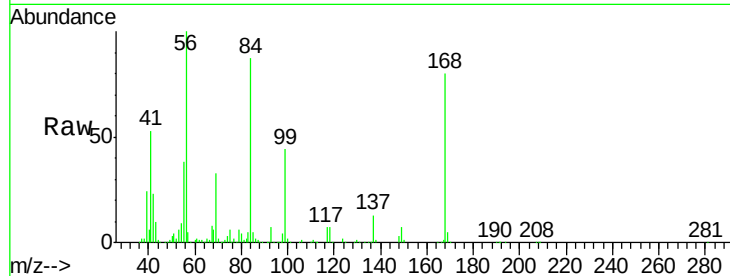
#31
Cyclohexane
Concen: 34.06 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	25.0	37.4
84	85.9	64.6	96.8

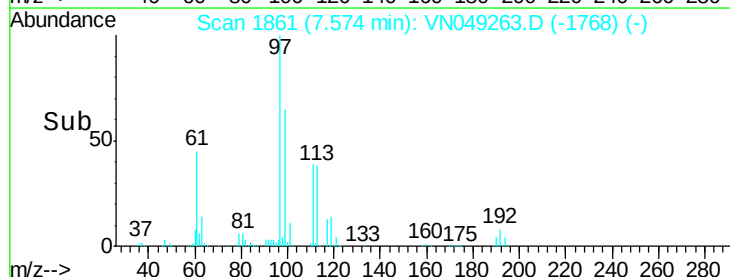
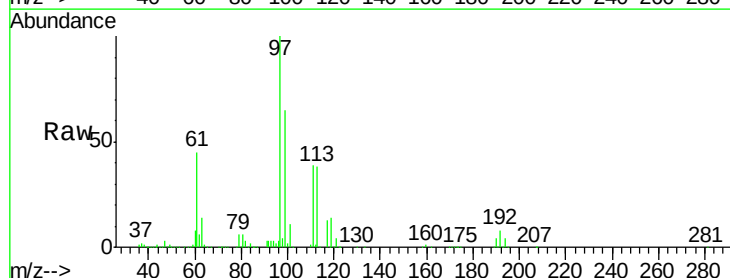
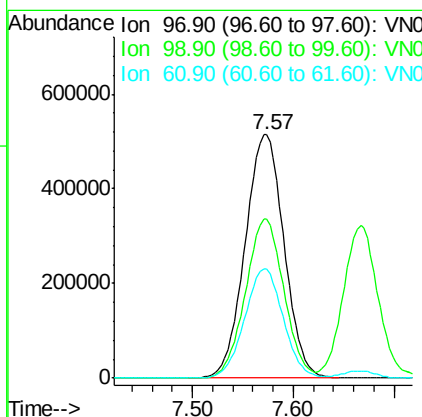
Manual Integrations
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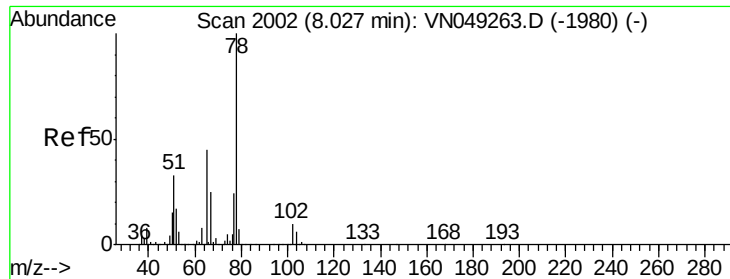
MMDadoda
6/18/2018 3:16:11 PM



#32
1,1,1-Trichloroethane
Concen: 39.60 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	44.3	37.9	56.9





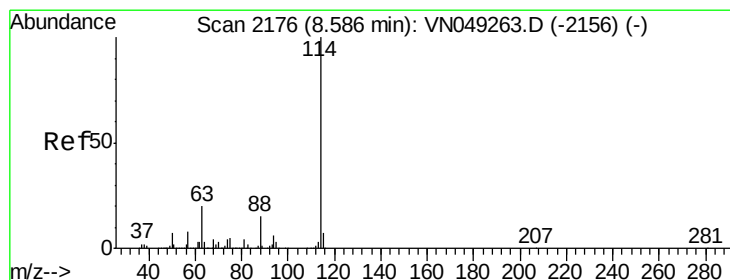
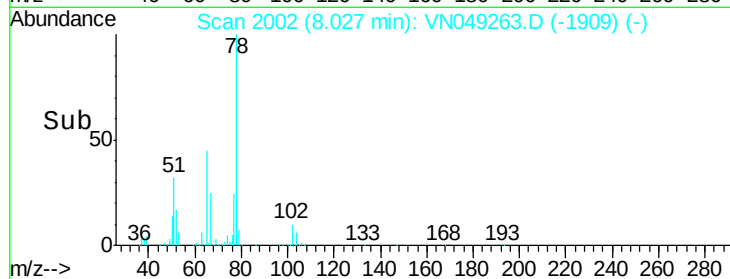
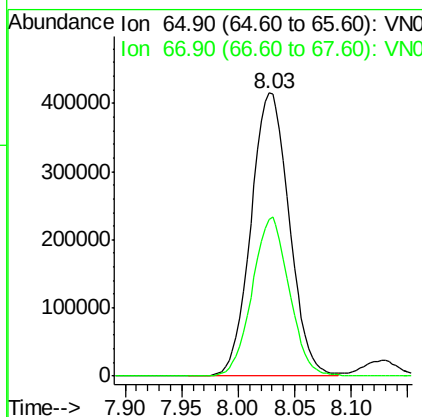
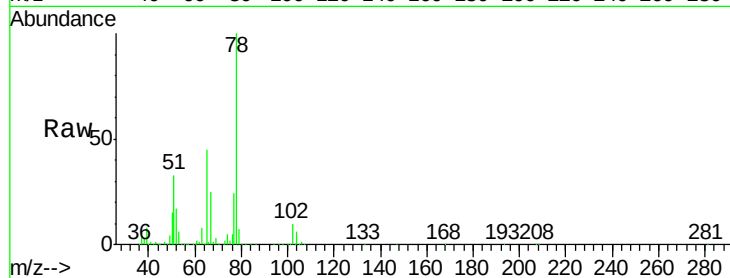
#33
 1,2-Dichloroethane-d4
 Concen: 40.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	103.8	

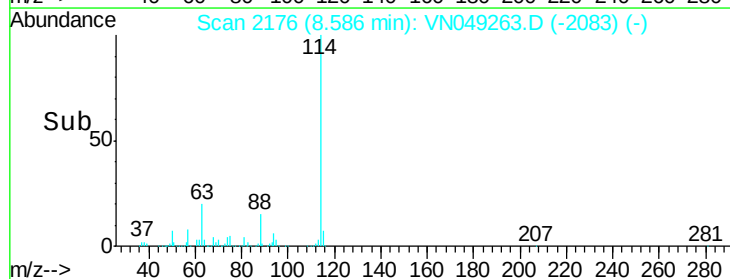
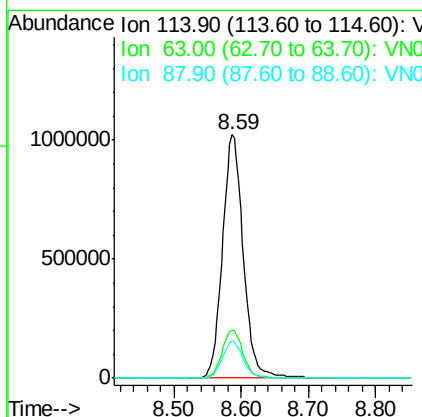
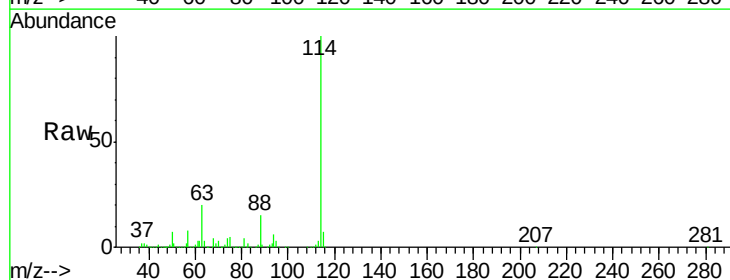
Manual Integrations
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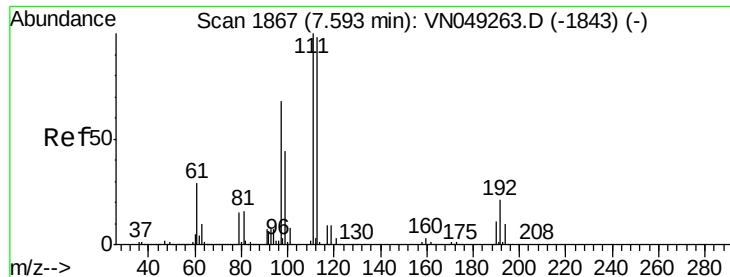
MMDadoda
 6/18/2018 3:16:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	44.4	
88	15.2	0.0	31.4	





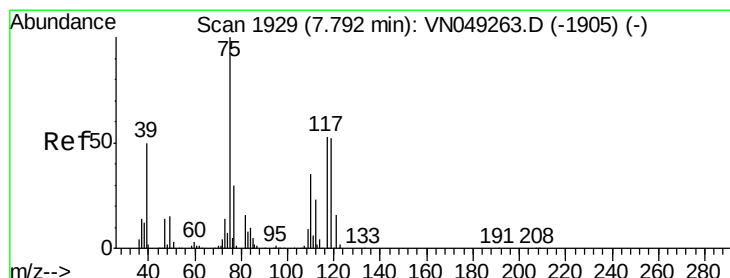
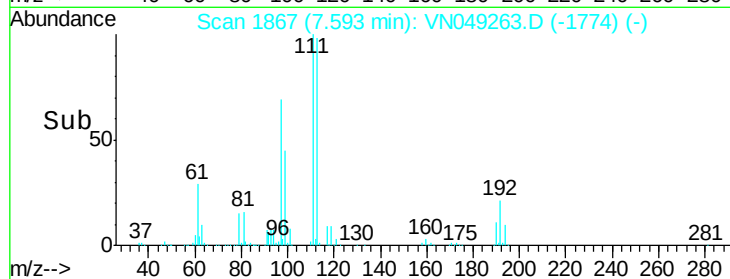
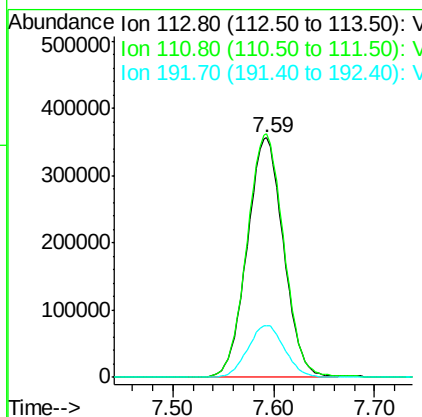
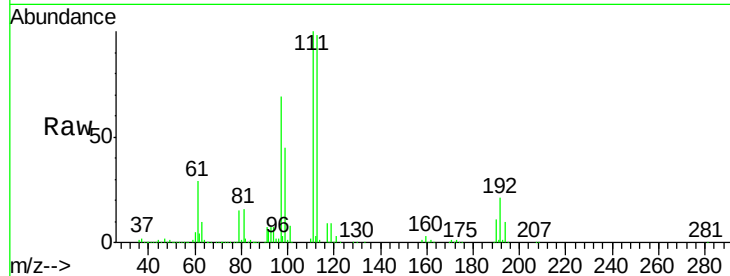
#35
 Dibromofluoromethane
 Concen: 48.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	888705		
111	103.3		82.4	123.6
192	22.1		15.0	22.6

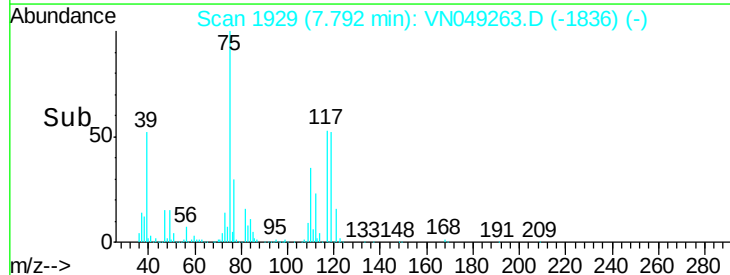
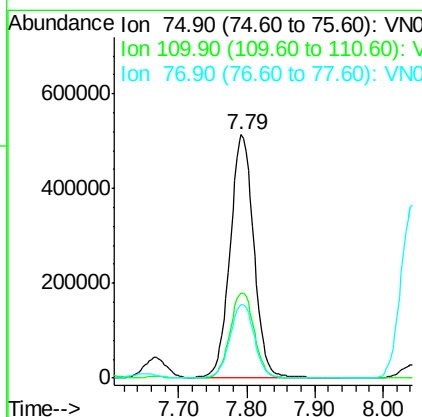
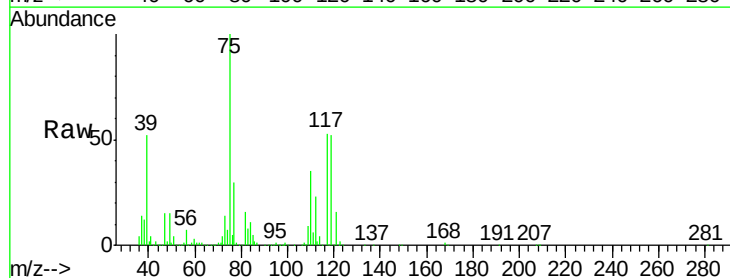
Manual Integrations
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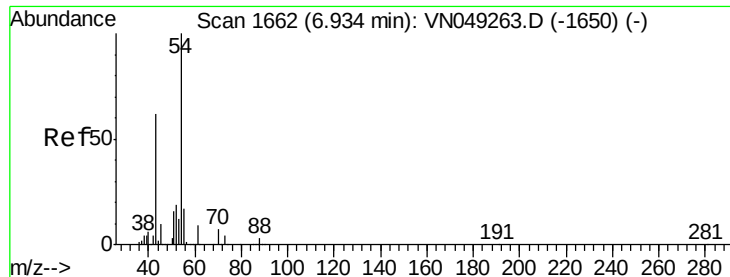
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 44.95 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1239372		
110	35.9		17.0	50.9
77	31.2		24.4	36.6





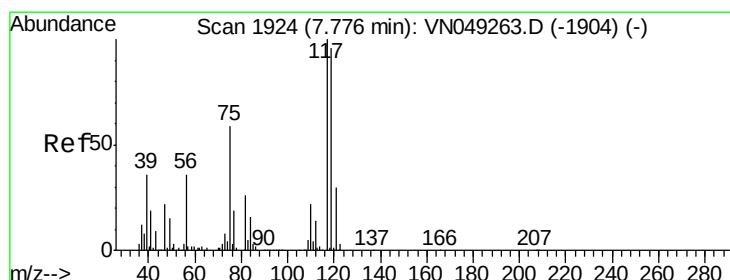
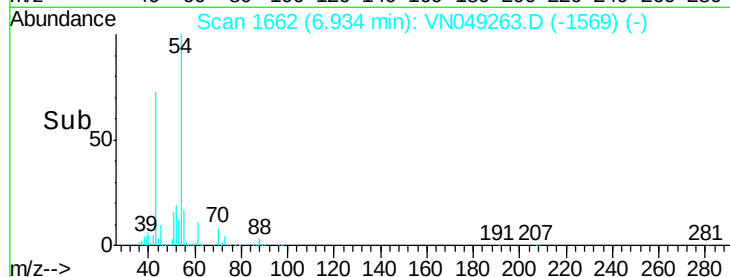
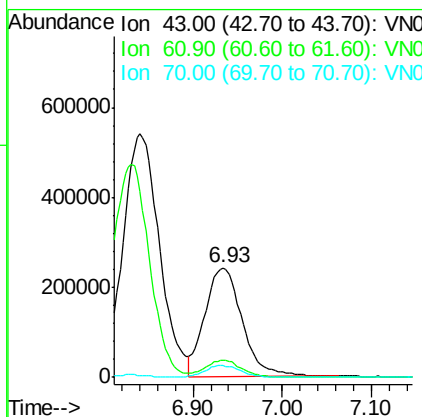
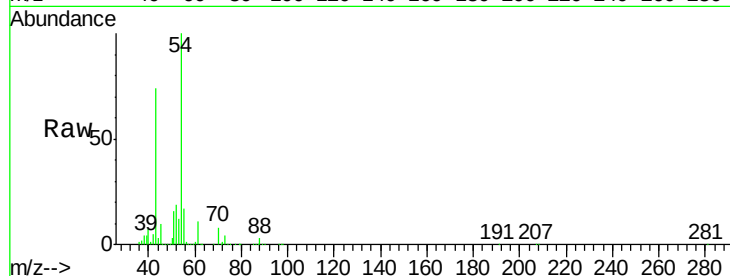
#37
Ethyl Acetate
Concen: 40.26 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	10.7	7.2	10.8

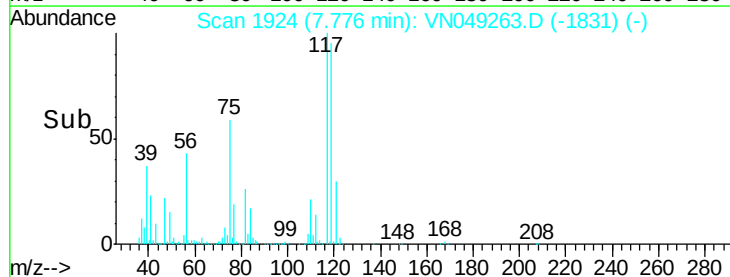
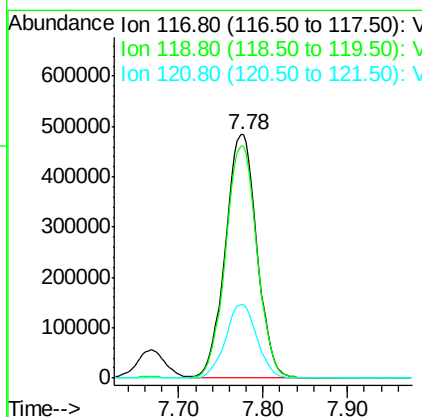
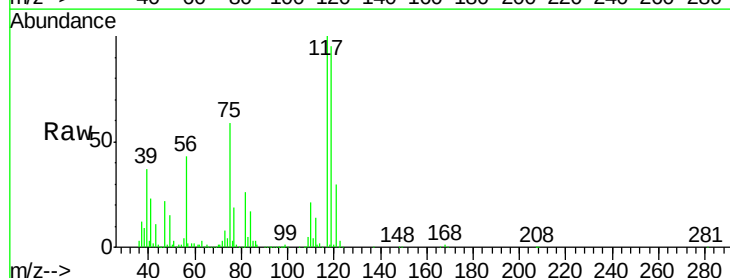
Manual Integrations
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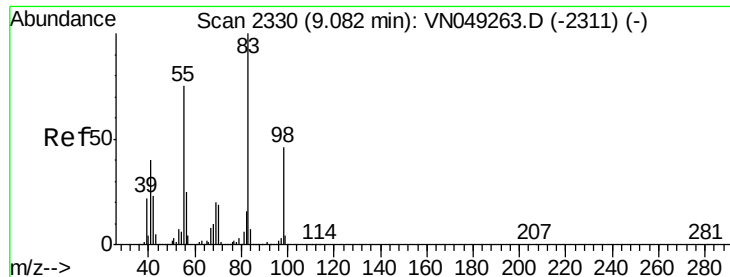
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.15 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	30.3	24.7	37.1





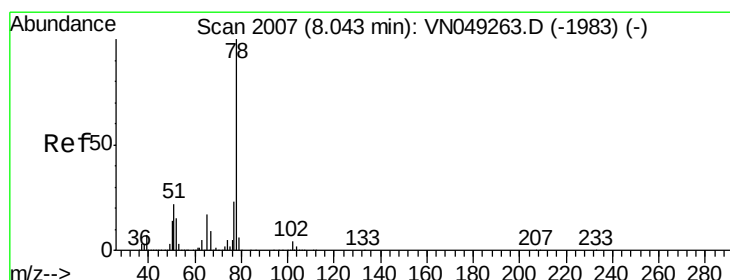
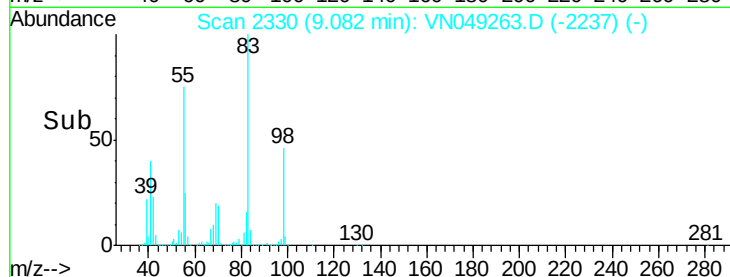
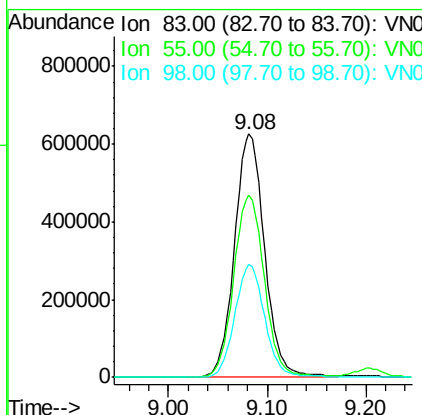
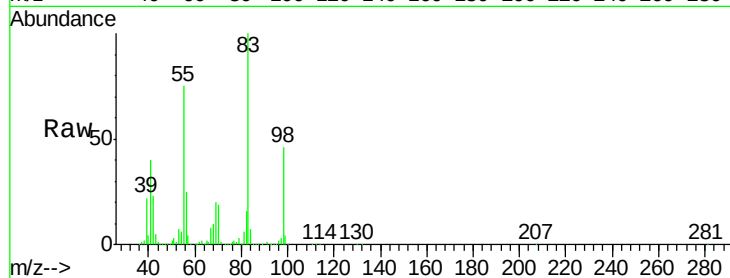
#39
Methylvlcyclohexane
Concen: 46.78 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	65.1	97.7
98	46.4	36.5	54.7

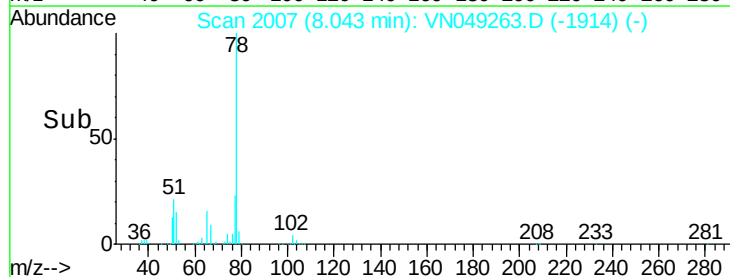
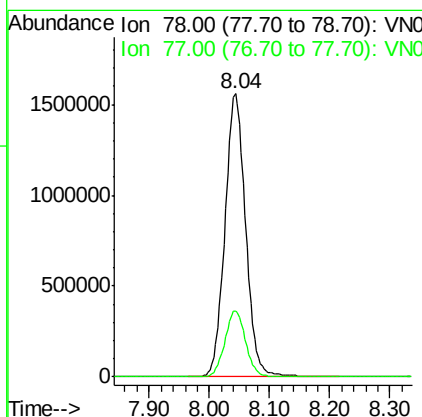
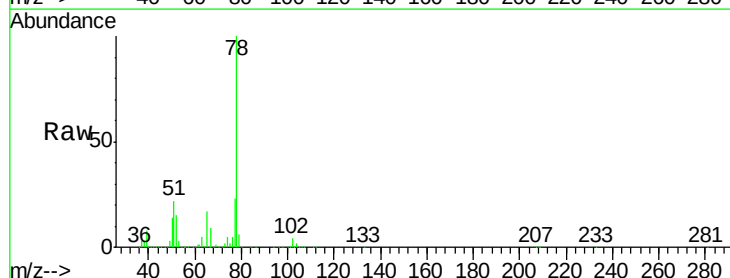
Manual Integrations
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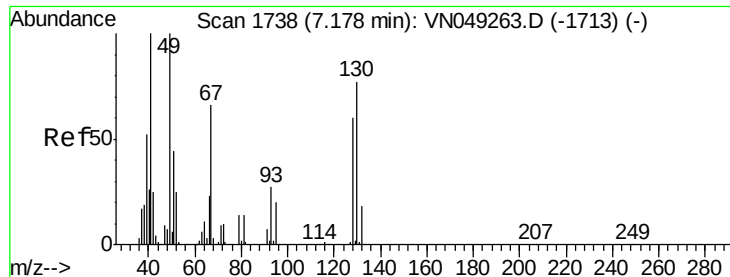
MMDadoda
6/18/2018 3:16:11 PM



#40
Benzene
Concen: 44.50 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





#41

Methacrylonitrile

Concen: 39.19 ug/l

RT: 7.18 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 385892

Ion Ratio Lower Upper

41 100

39 56.8 0.0 0.0#

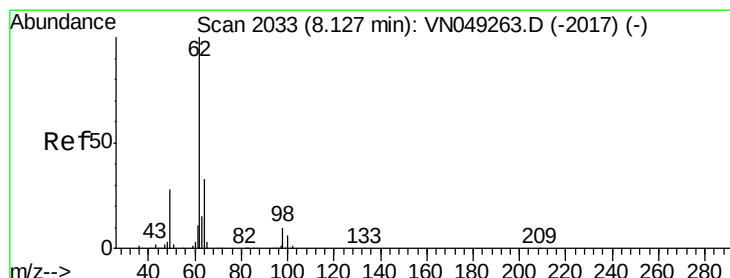
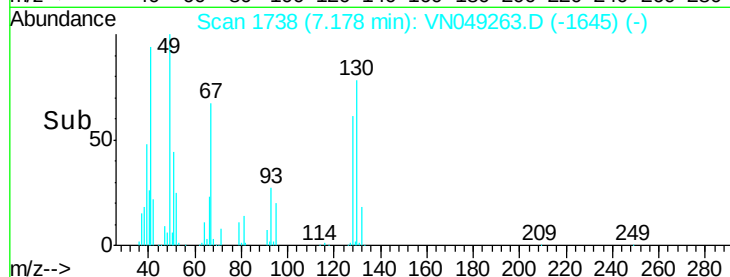
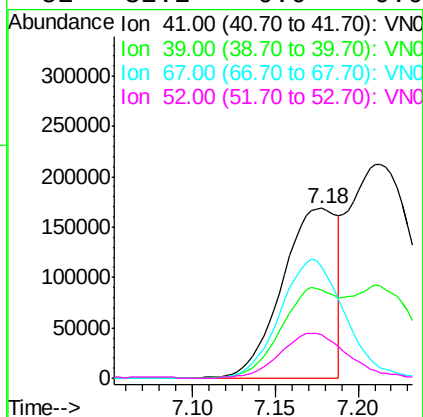
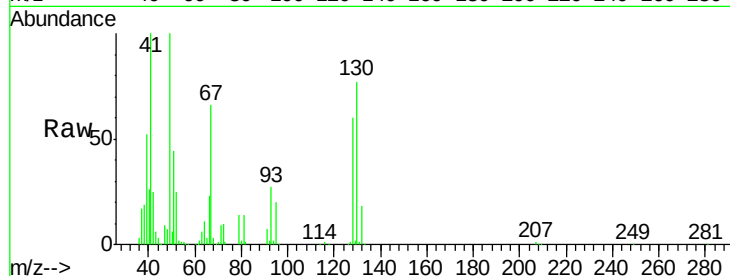
67 83.6 0.0 0.0#

52 32.2 0.0 0.0#

Manual Integrations
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MMDadoda

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#42

1,2-Dichloroethane

Concen: 41.26 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049263.D

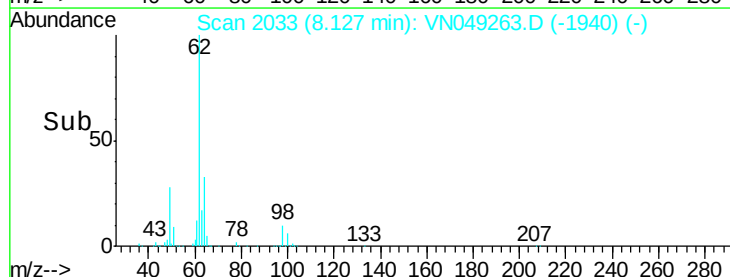
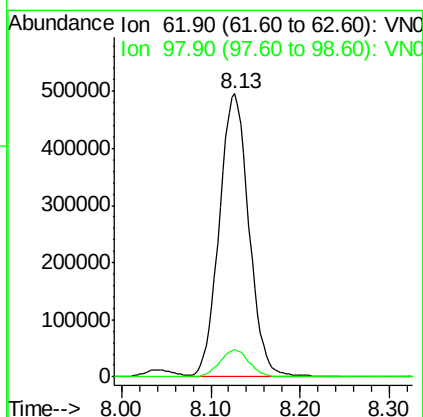
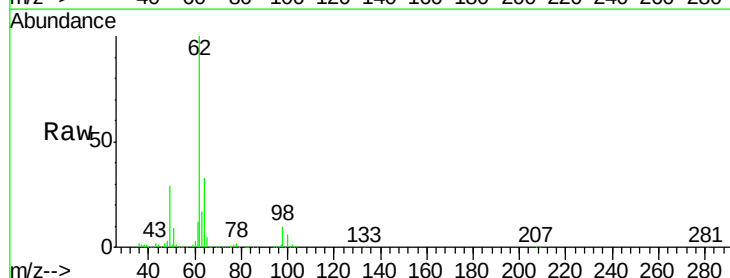
Acq: 15 Jun 2018 15:18

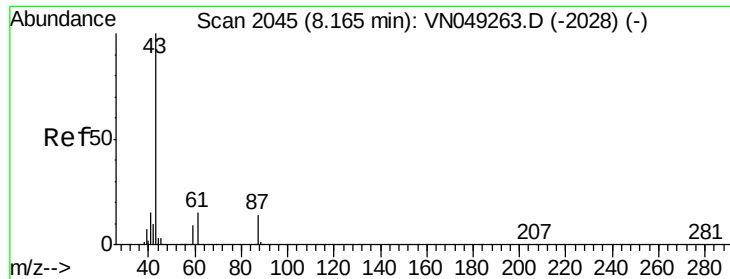
Tgt Ion: 62 Resp: 1137388

Ion Ratio Lower Upper

62 100

98 9.6 0.0 16.2





#43

Isopropyl Acetate

Concen: 39.33 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1258692

Ion Ratio Lower Upper

43 100

61 20.2 14.2 21.4

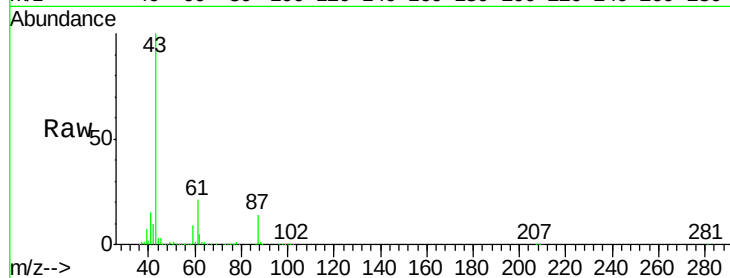
87 13.5 9.4 14.0

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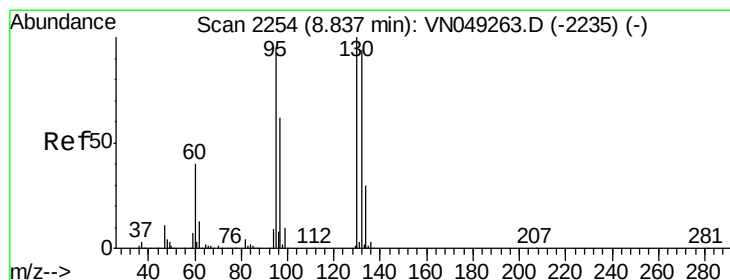
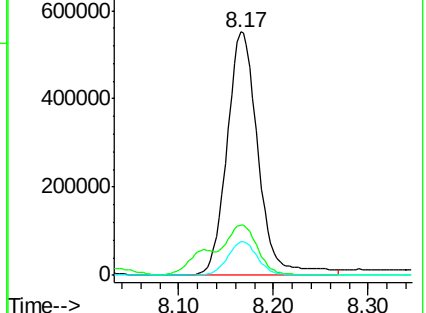
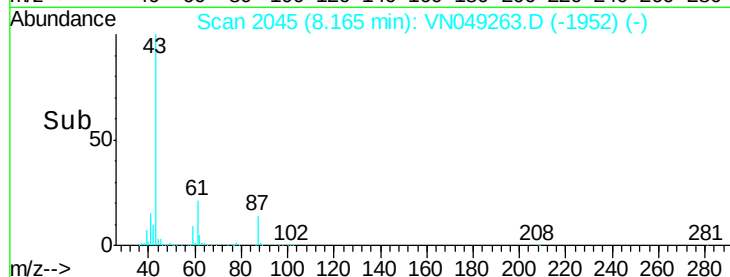


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

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: 47.46 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049263.D

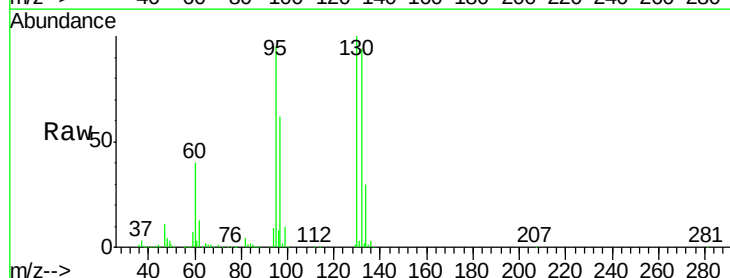
Acq: 15 Jun 2018 15:18

Tgt Ion: 130 Resp: 989922

Ion Ratio Lower Upper

130 100

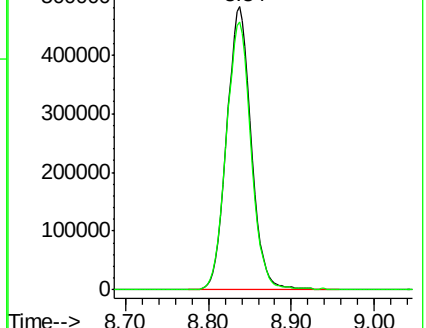
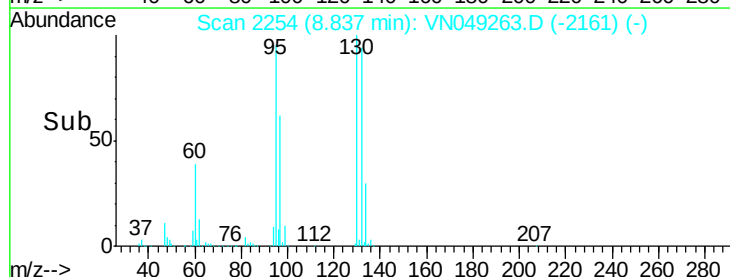
95 94.6 0.0 208.6

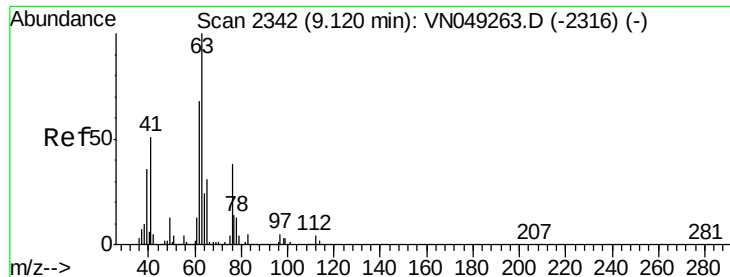


Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

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

Time-->





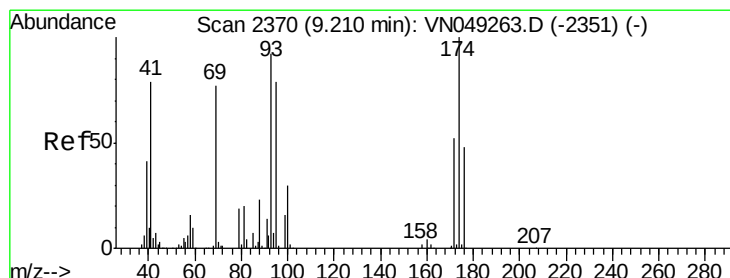
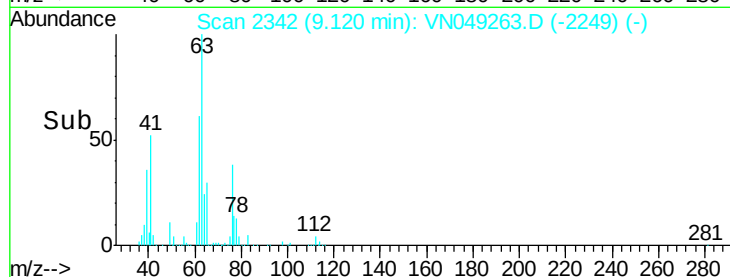
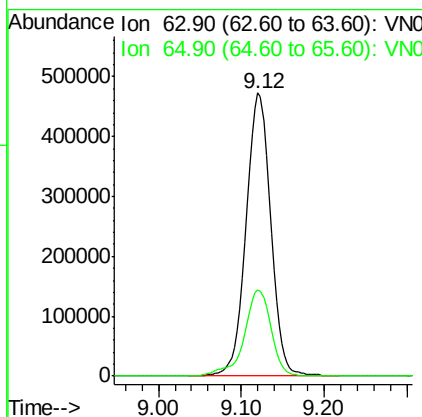
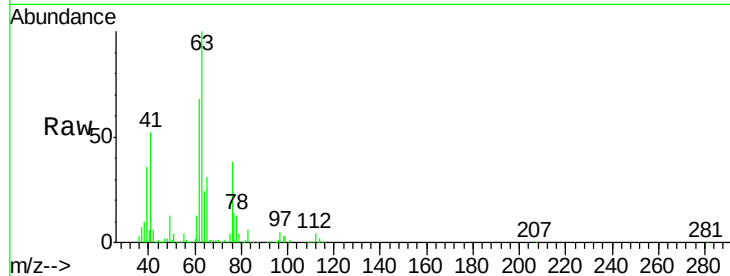
#45
 1,2-Dichloropropane
 Concen: 42.49 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

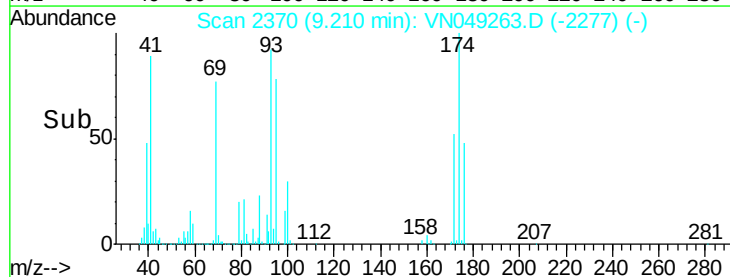
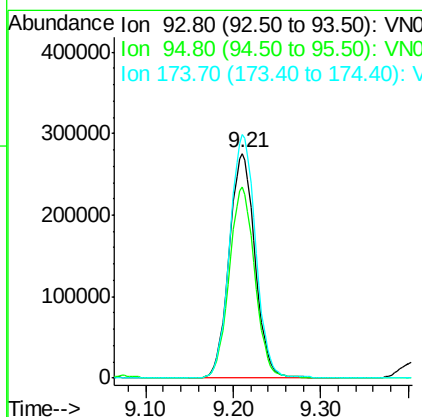
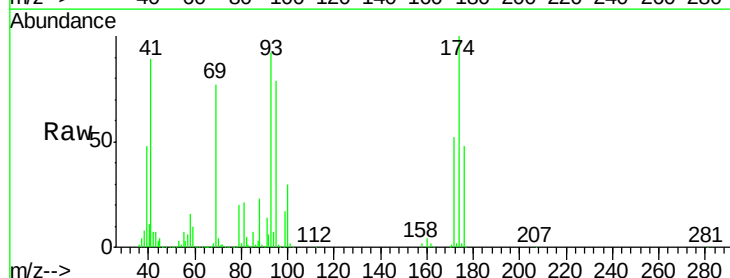
Manual Integrations
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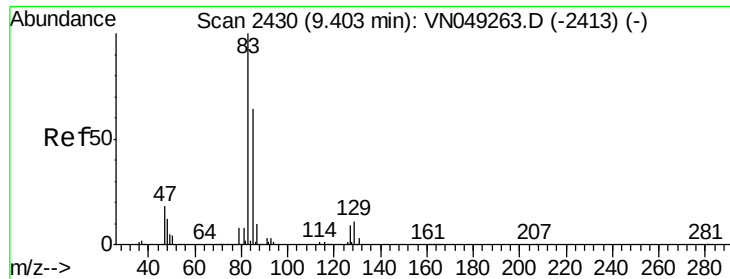
MMDadoda
 6/18/2018 3:16:11 PM



#46
 Dibromomethane
 Concen: 44.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.2	100.8
174	108.7	75.6	113.4





#47

Bromodichloromethane

Concen: 43.55 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 1245266

Ion Ratio Lower Upper

83 100

85 63.6 49.4 74.0

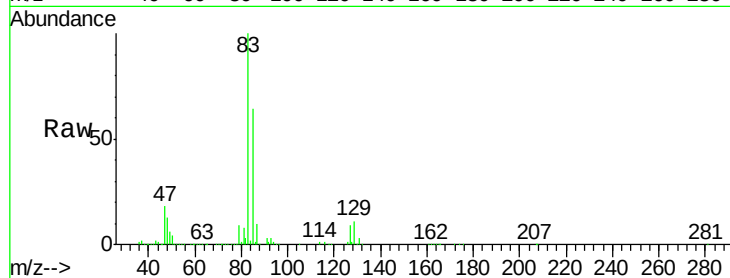
127 8.9 6.3 9.5

Manual Integrations

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MMDadoda

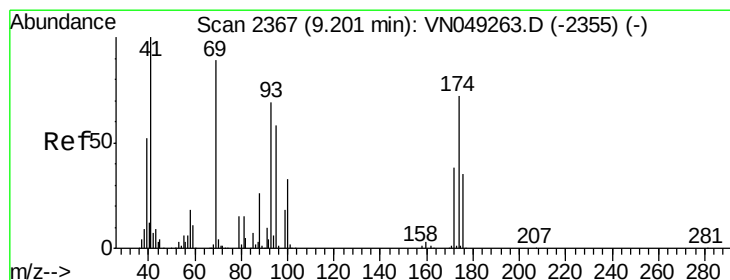
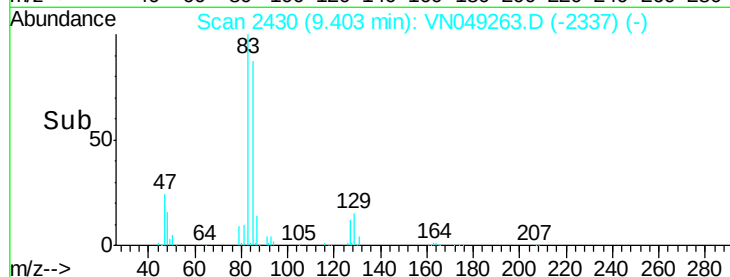
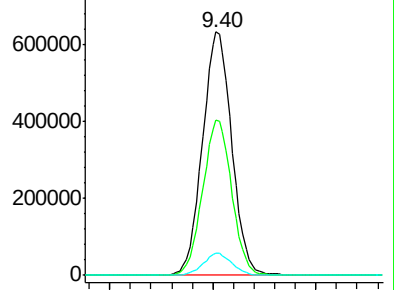
6/18/2018 3:16:11 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN049263.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN049263.D (-2413) (-)



#48

Methyl methacrylate

Concen: 40.62 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

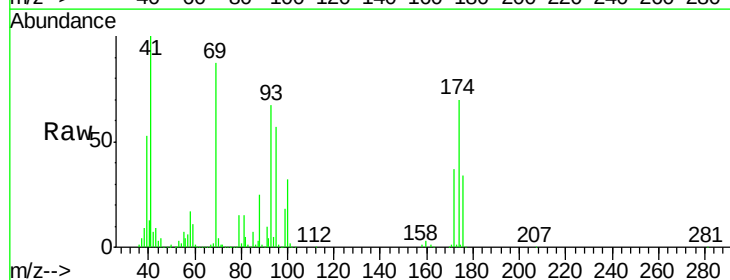
Tgt Ion: 41 Resp: 635166

Ion Ratio Lower Upper

41 100

69 89.0 62.0 93.0

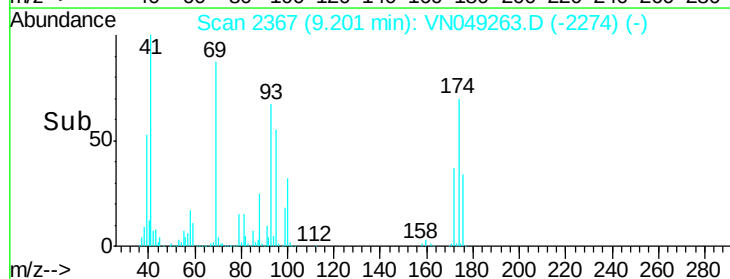
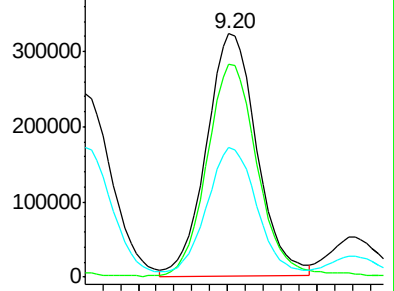
39 53.9 50.6 75.8

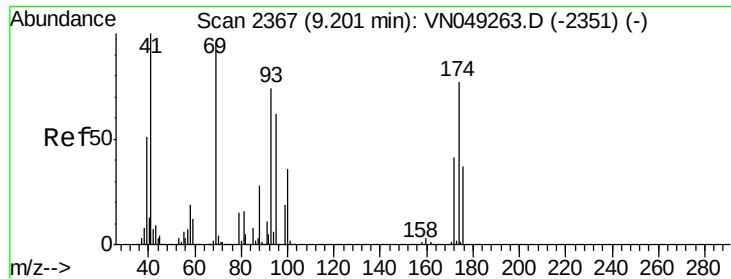


Abundance Ion 41.00 (40.70 to 41.70): VN049263.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049263.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049263.D (-2355) (-)





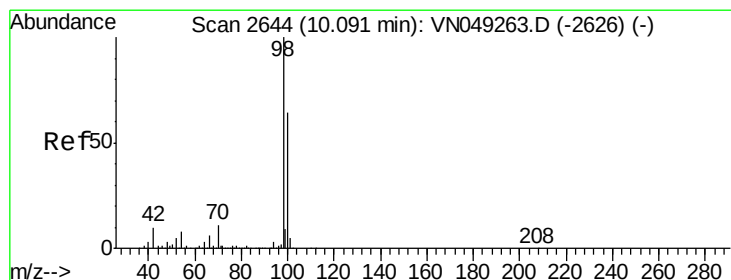
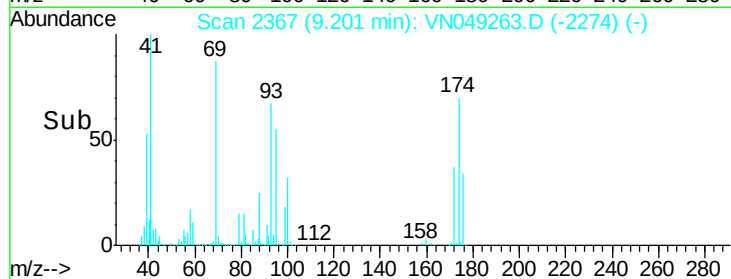
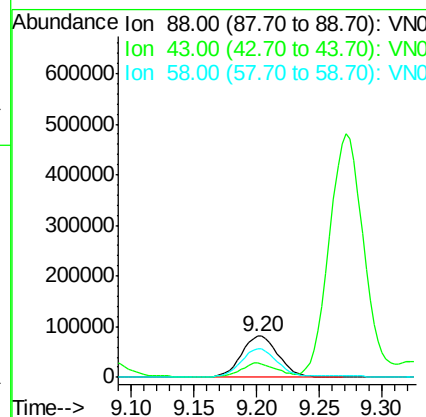
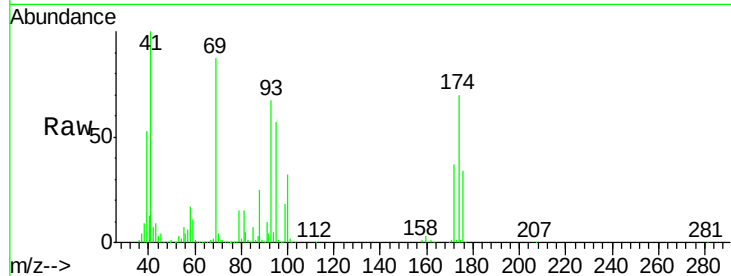
#49
1,4-Dioxane
Concen: 913.46 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	30.9	46.3
58	68.8	58.9	88.3

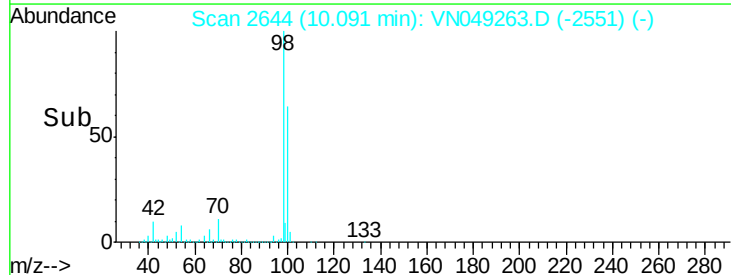
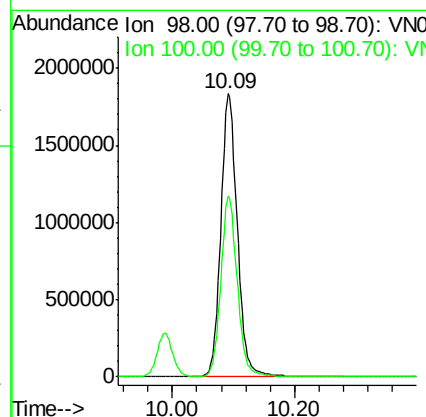
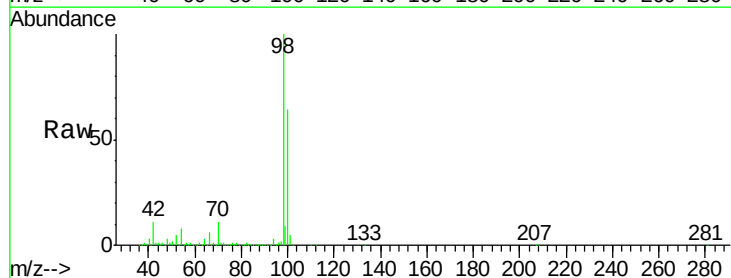
Manual Integrations
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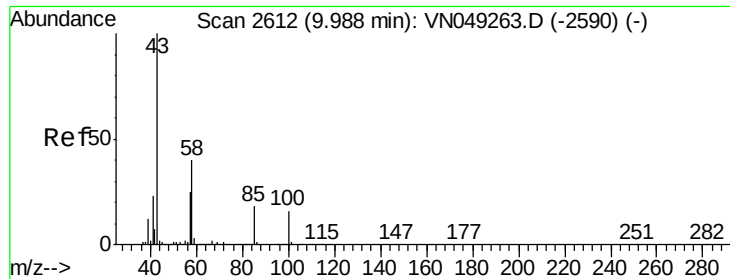
MMDadoda
6/18/2018 3:16:11 PM



#50
Toluene-d8
Concen: 48.36 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	49.8	74.8





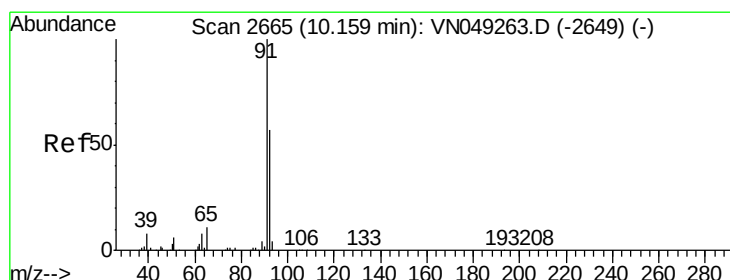
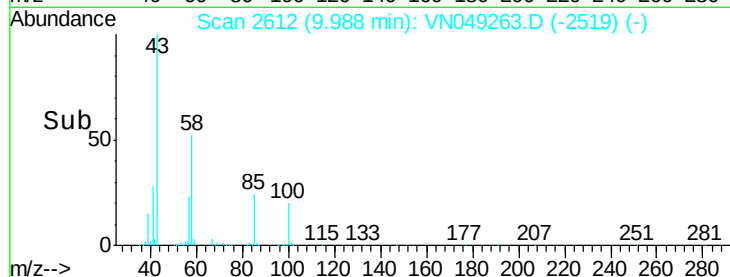
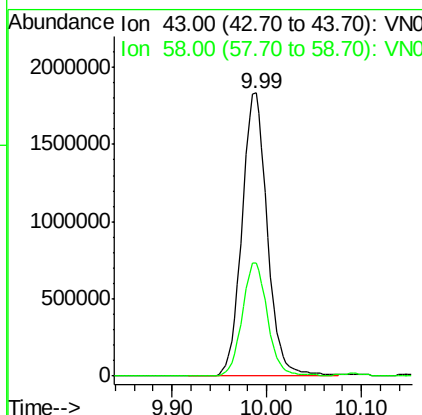
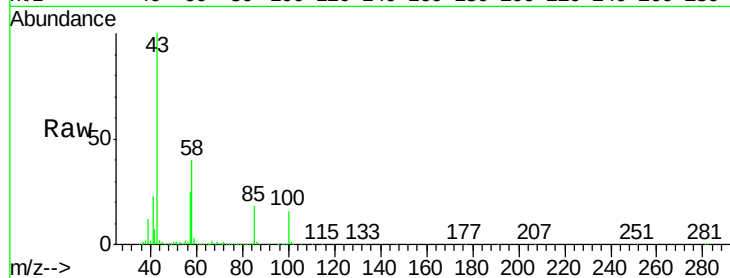
#51
4-Methyl-2-Pentanone
Concen: 199.78 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 3404830
Ion Ratio Lower Upper
43 100
58 40.2 29.0 43.6

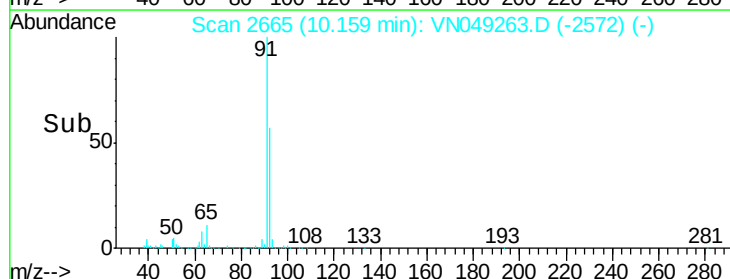
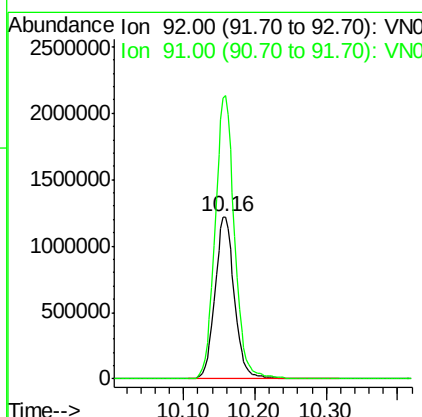
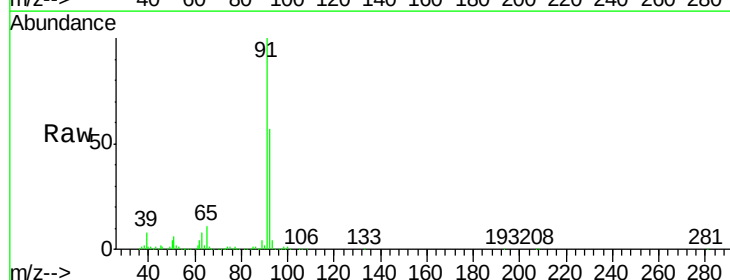
Manual Integrations
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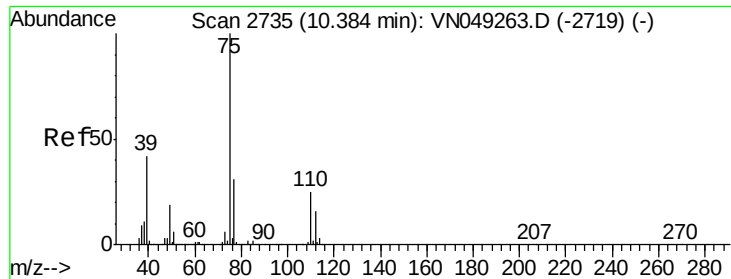
MMDadoda
6/18/2018 3:16:11 PM



#52
Toluene
Concen: 47.18 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion: 92 Resp: 2293148
Ion Ratio Lower Upper
92 100
91 175.3 143.4 215.2





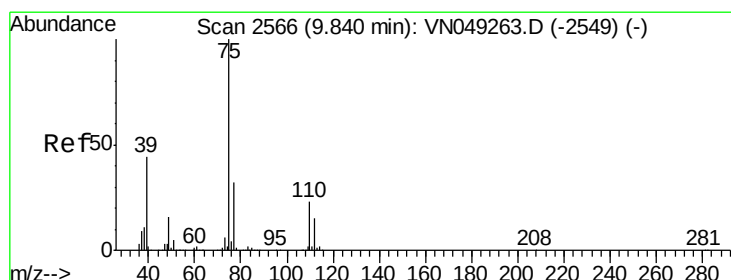
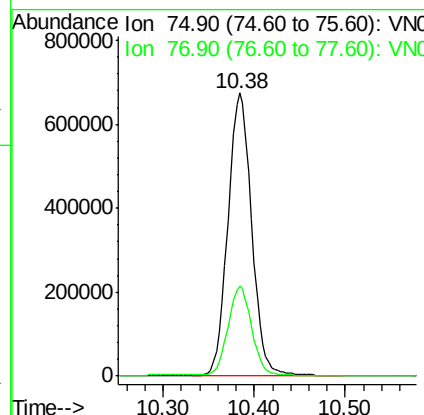
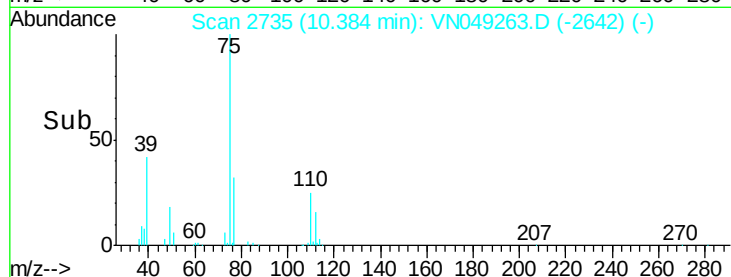
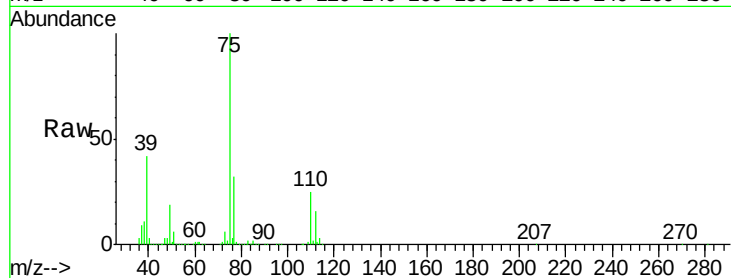
#53
 t-1,3-Dichloropropene
 Concen: 45.15 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 1227386
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8

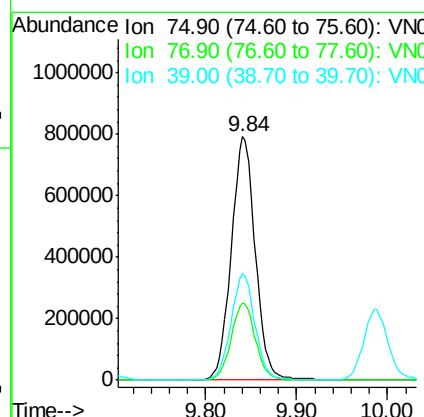
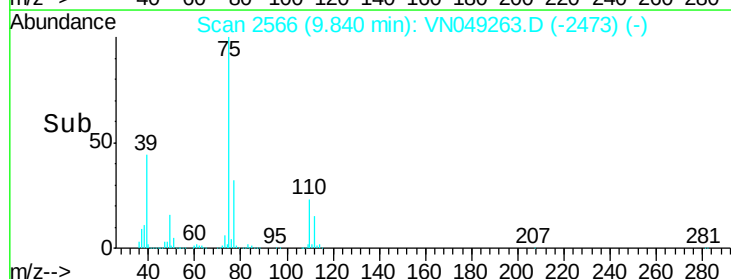
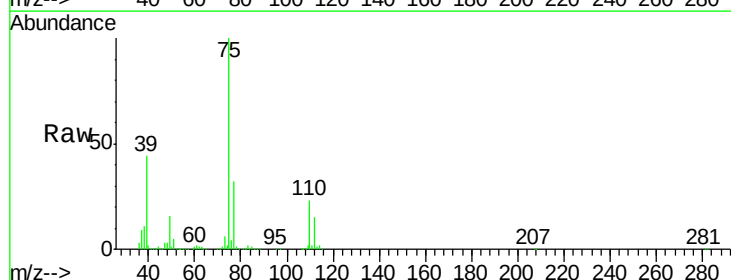
Manual Integrations
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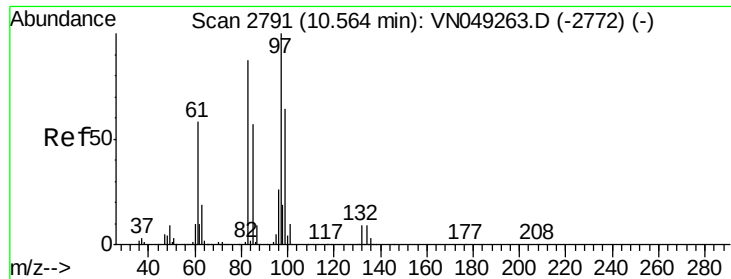
MMDadoda
 6/18/2018 3:16:11 PM



#54
 cis-1,3-Dichloropropene
 Concen: 46.04 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion: 75 Resp: 1450312
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2
 39 43.8 45.1 67.7#





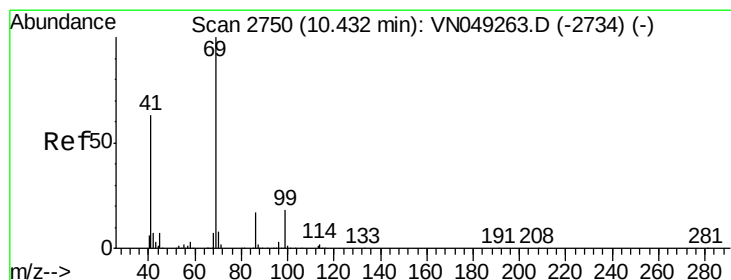
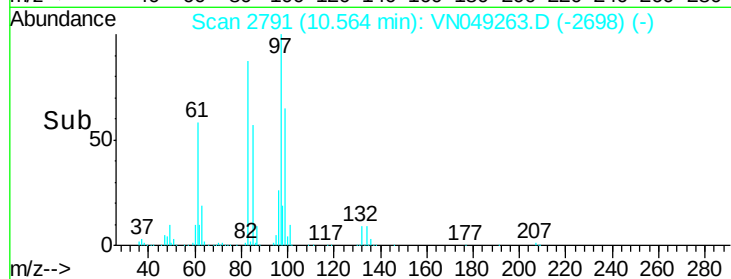
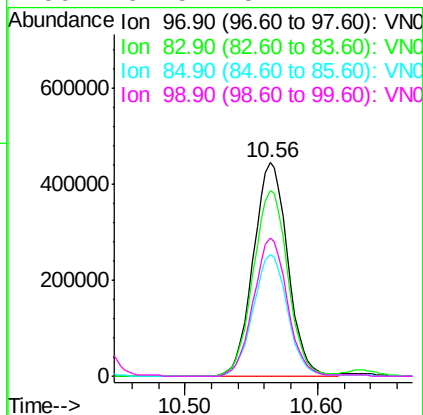
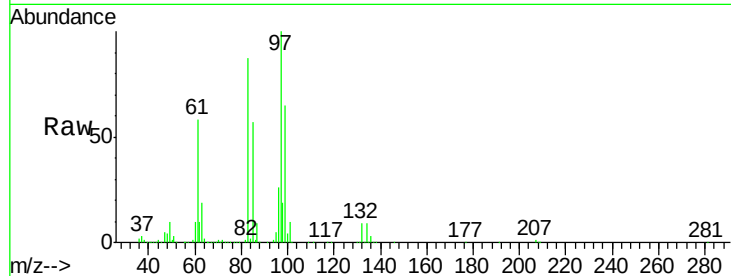
#55
 1,1,2-Trichloroethane
 Concen: 45.17 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	56.9	47.0	70.4
99	64.5	51.4	77.2

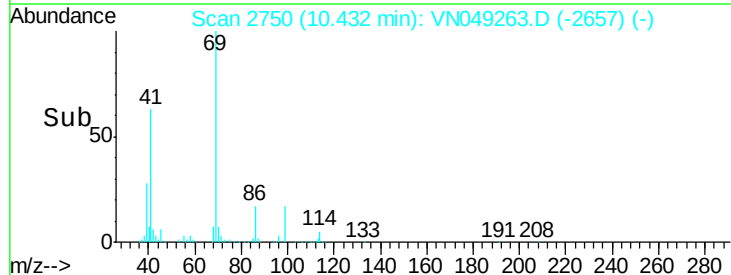
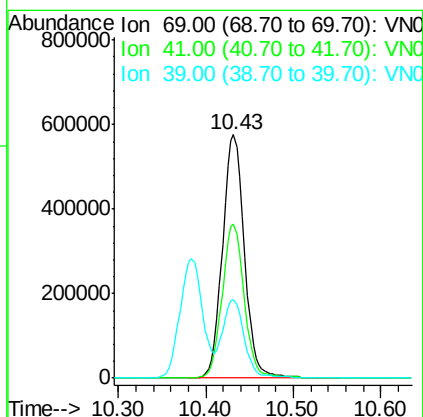
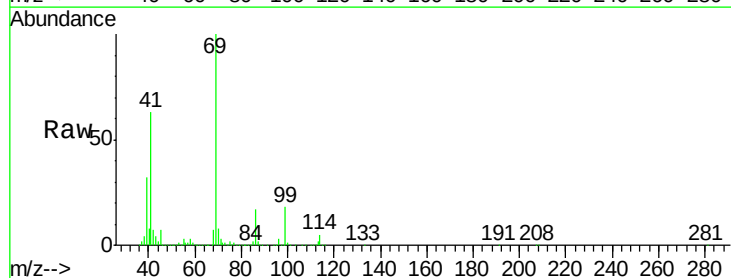
Manual Integrations
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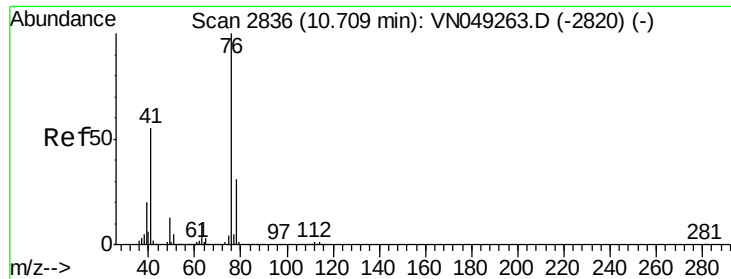
MMDadoda
 6/18/2018 3:16:11 PM



#56
 Ethyl methacrylate
 Concen: 46.61 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	58.4	87.6
39	31.8	35.5	53.3#





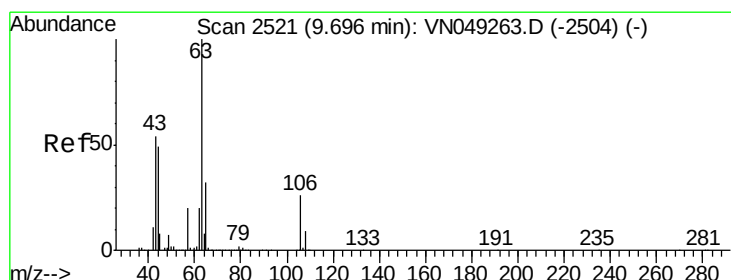
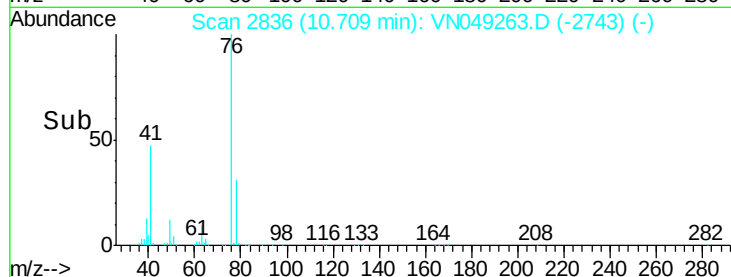
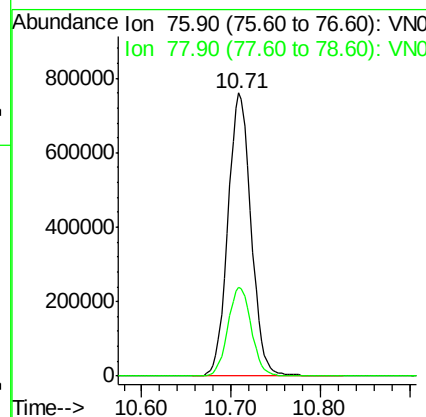
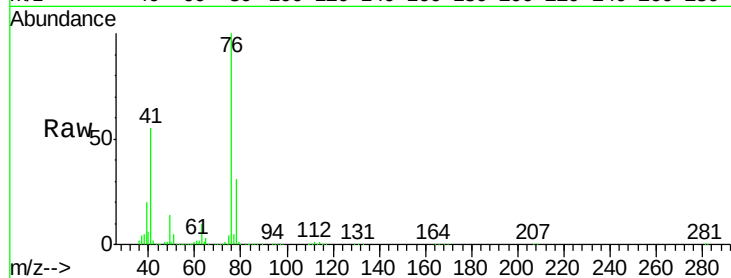
#57
 1,3-Dichloropropane
 Concen: 44.63 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 1365107
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5

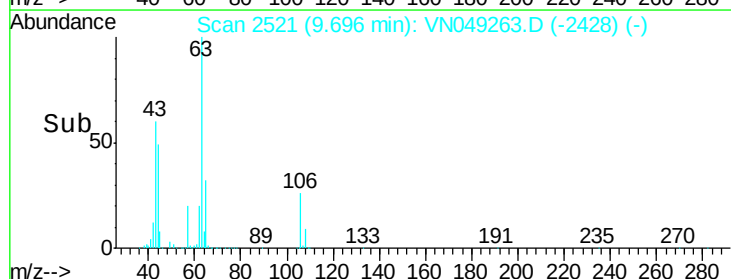
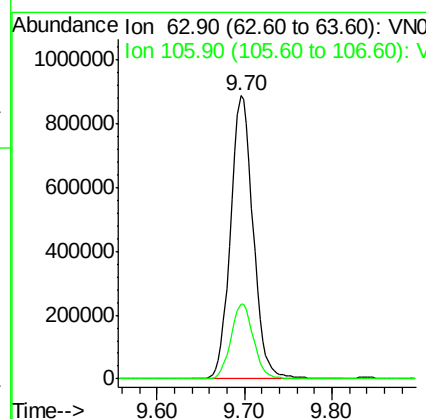
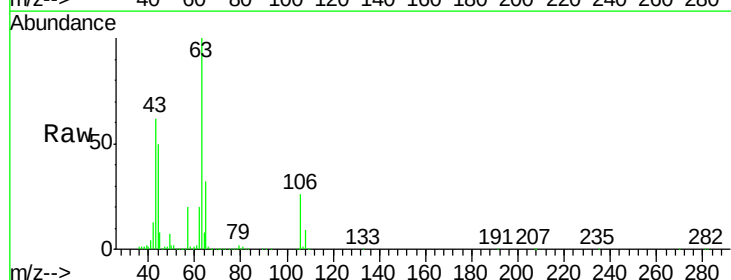
Manual Integrations
 APPROVED

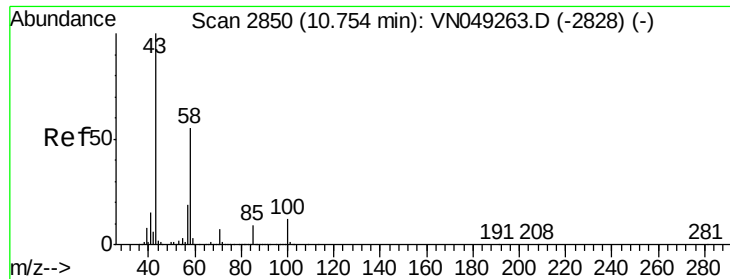
MMDadoda
 6/18/2018 3:16:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.08 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion: 63 Resp: 1595911
 Ion Ratio Lower Upper
 63 100
 106 26.6 19.4 29.2





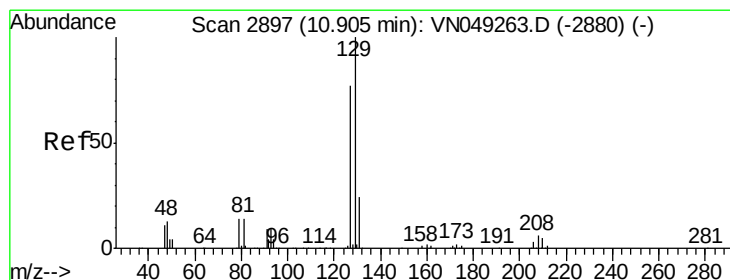
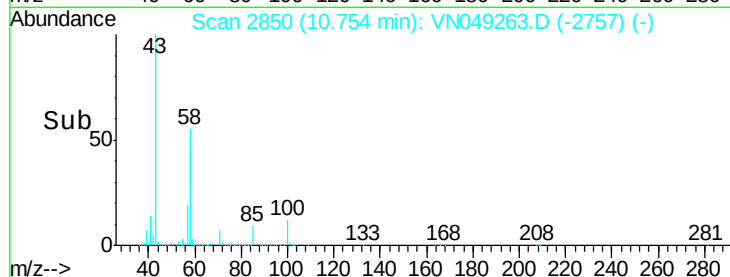
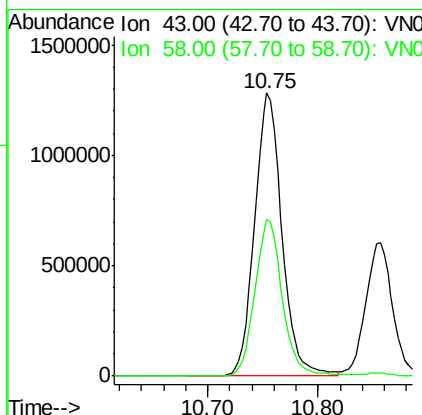
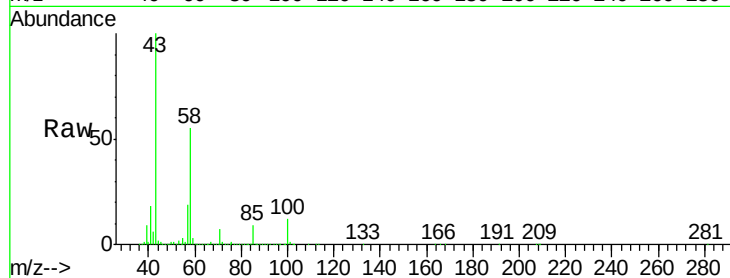
#59
2-Hexanone
Concen: 207.52 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2203831
Ion Ratio Lower Upper
43 100
58 55.5 25.2 75.6

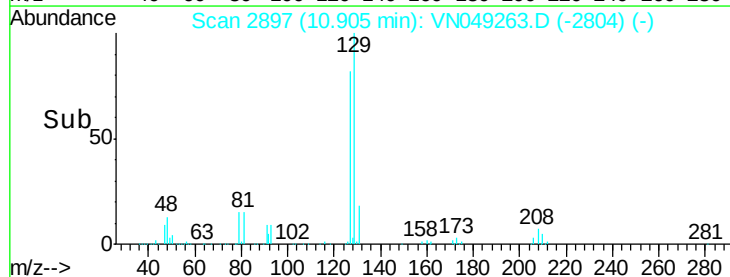
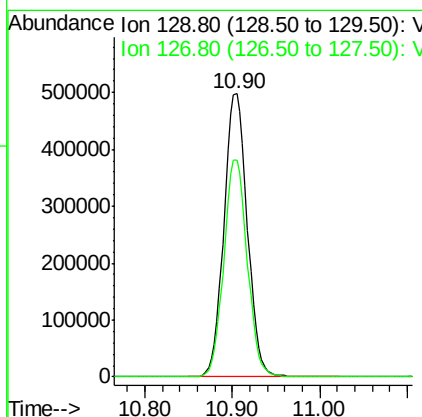
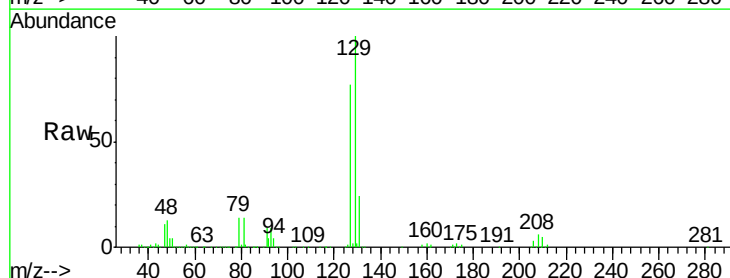
Manual Integrations
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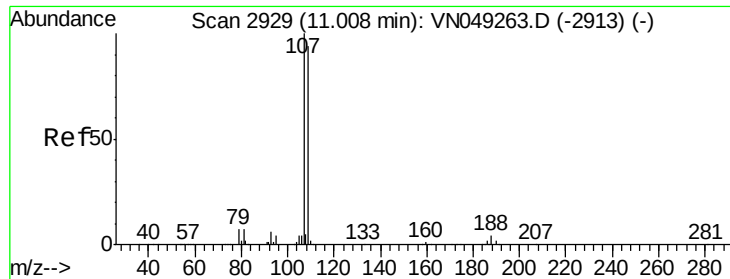
MMDadoda
6/18/2018 3:16:11 PM



#60
Dibromochloromethane
Concen: 46.81 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion: 129 Resp: 925831
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





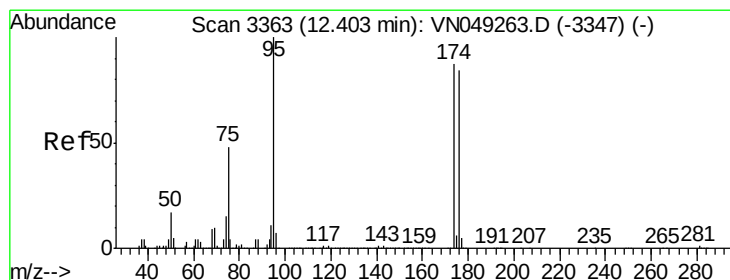
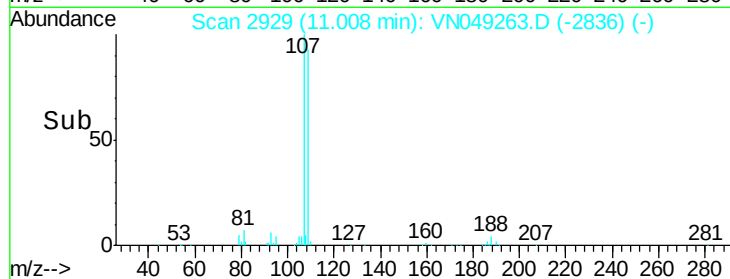
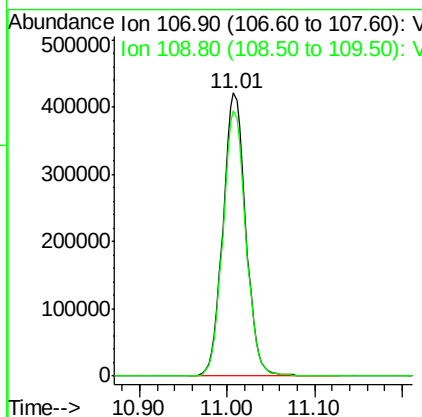
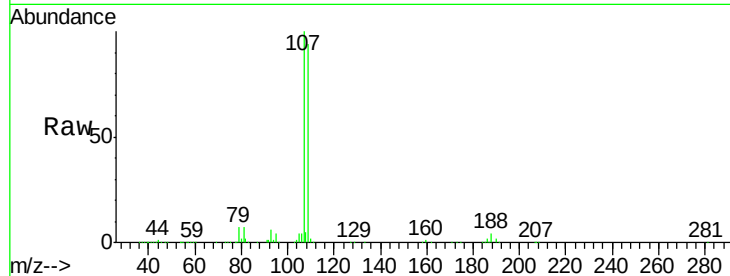
#61
 1,2-Dibromoethane
 Concen: 46.13 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 760998
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.2

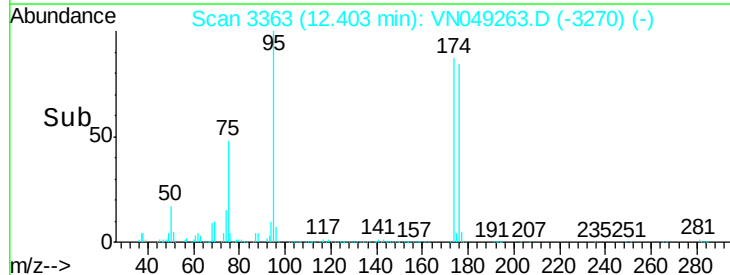
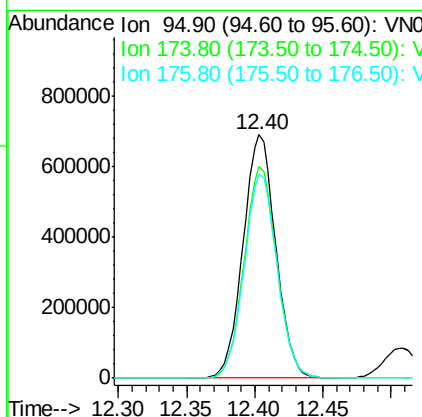
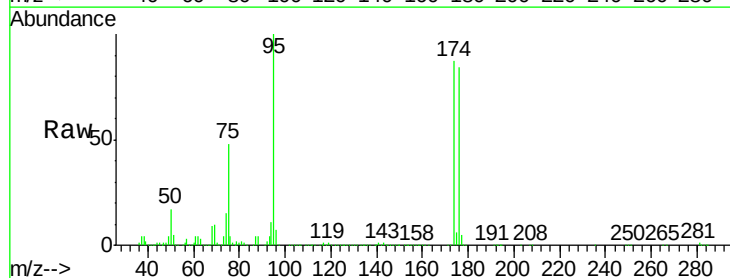
Manual Integrations
 APPROVED

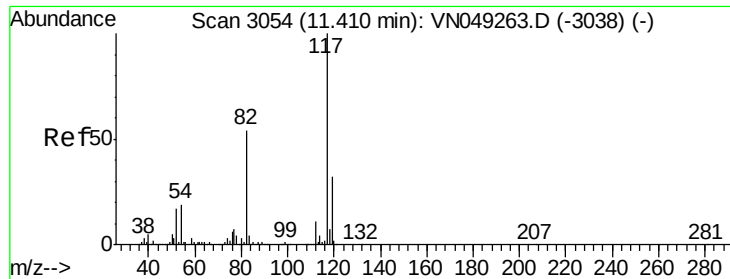
MMDadoda
 6/18/2018 3:16:11 PM



#62
 4-Bromofluorobenzene
 Concen: 48.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion: 95 Resp: 1148045
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 165.6
 176 84.4 0.0 157.4





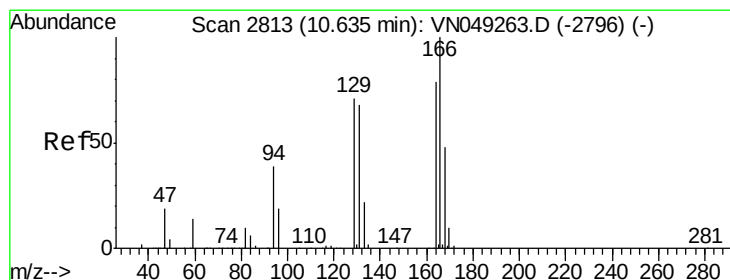
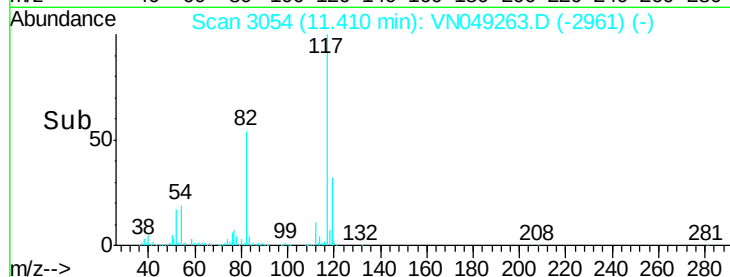
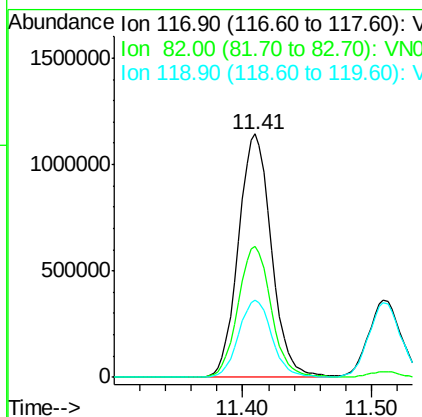
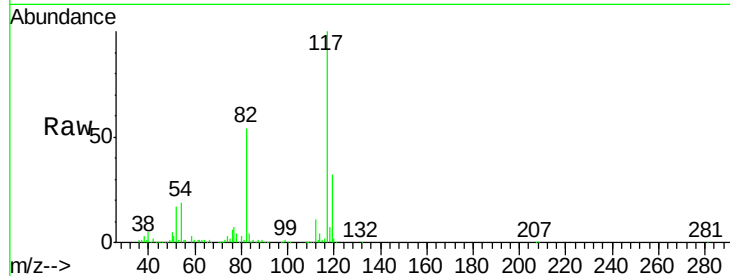
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	31.5	25.5	38.3

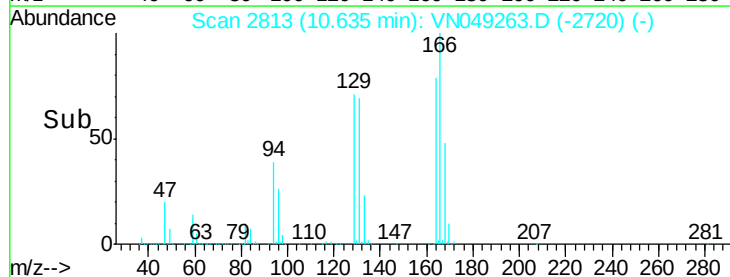
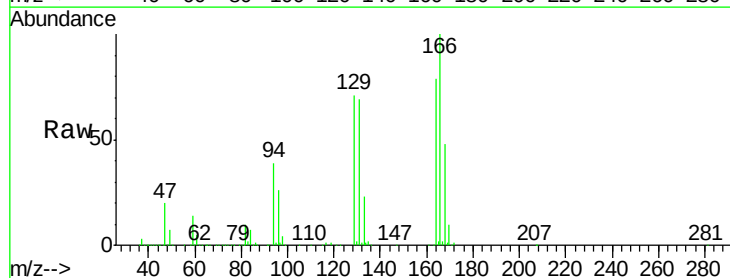
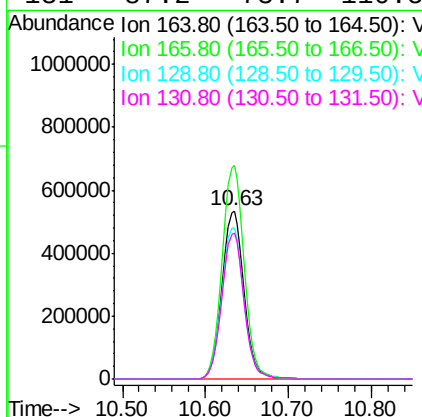
Manual Integrations
APPROVED

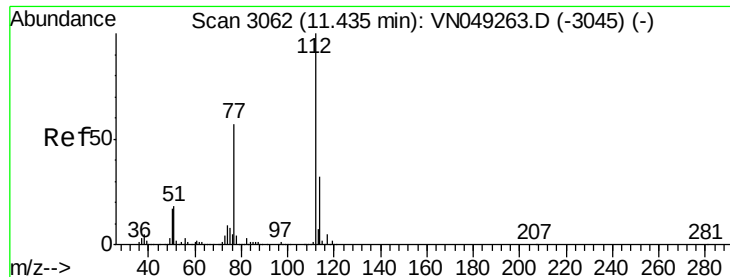
MMDadoda
6/18/2018 3:16:11 PM



#64
Tetrachloroethene
Concen: 47.67 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.4	152.2
129	90.4	74.1	111.1
131	87.2	73.7	110.5





#65

Chlorobenzene

Concen: 47.12 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 2476888

Ion Ratio Lower Upper

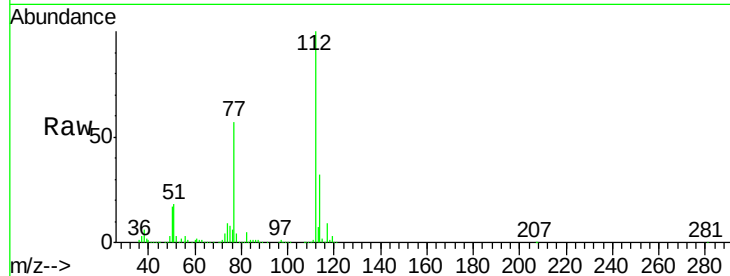
112 100

114 32.1 26.2 39.4

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

Ion 113.90 (113.60 to 114.60): V

11.44

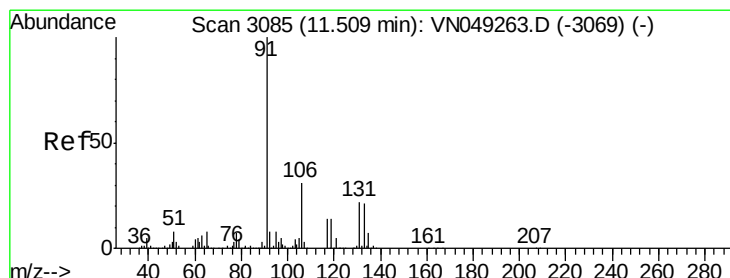
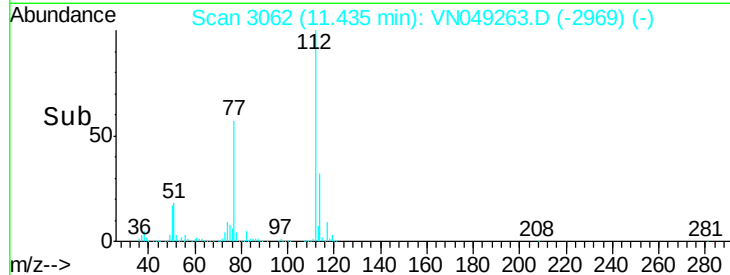
1500000

1000000

500000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.33 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

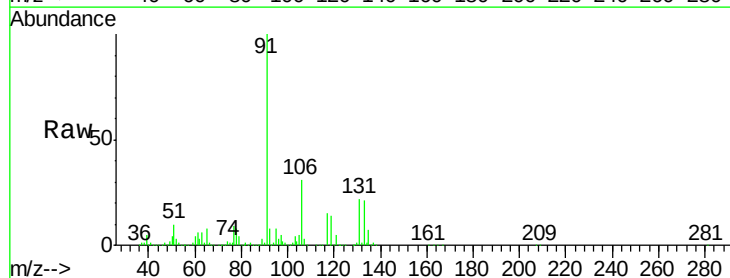
Tgt Ion:131 Resp: 926259

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

119 65.9 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

11.51

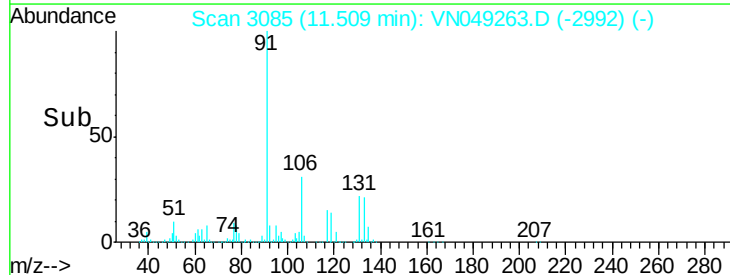
600000

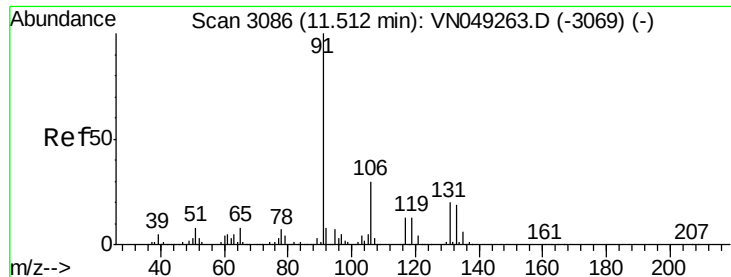
400000

200000

0

Time-->





#67

Ethyl Benzene

Concen: 47.83 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 4337177

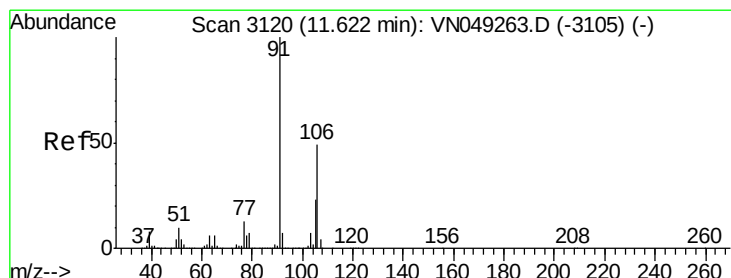
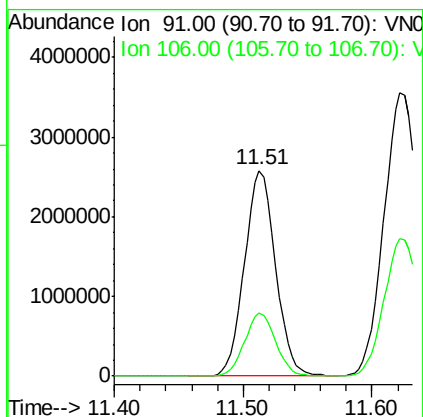
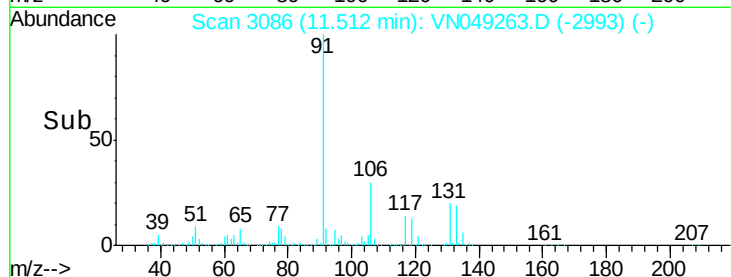
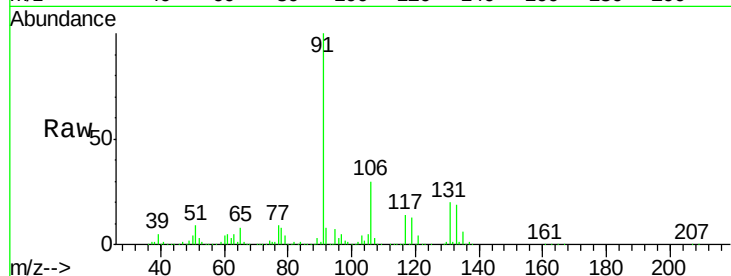
Ion Ratio Lower Upper

91 100

106 30.5 23.9 35.9

Manual Integrations
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6/18/2018 3:16:11 PM



#68

m/p-Xylenes

Concen: 100.04 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049263.D

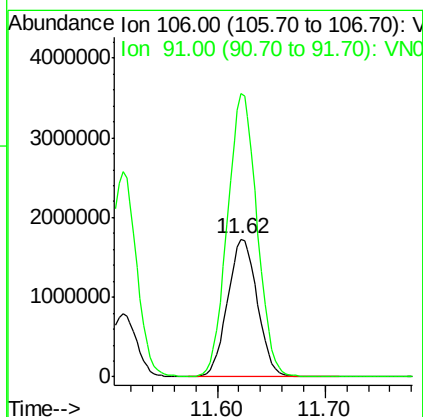
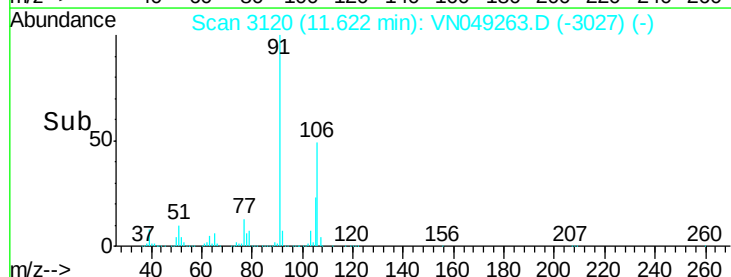
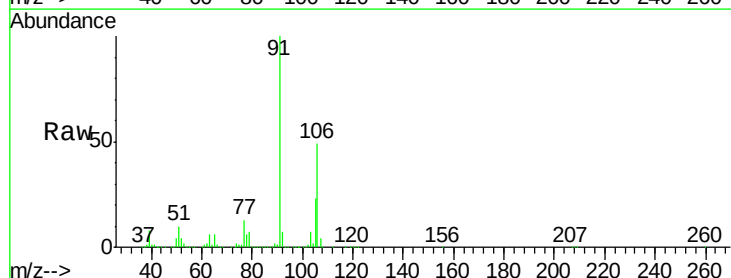
Acq: 15 Jun 2018 15:18

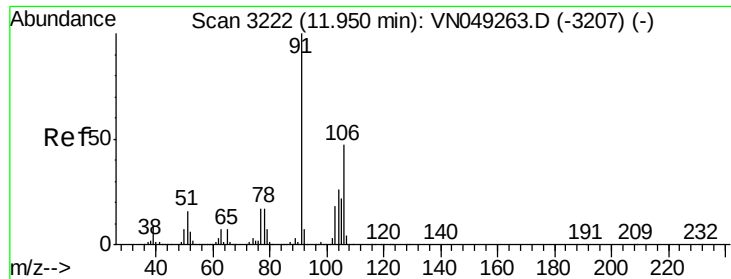
Tgt Ion: 106 Resp: 3317332

Ion Ratio Lower Upper

106 100

91 205.4 167.3 250.9





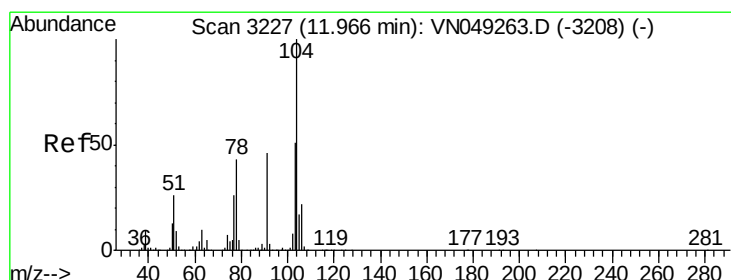
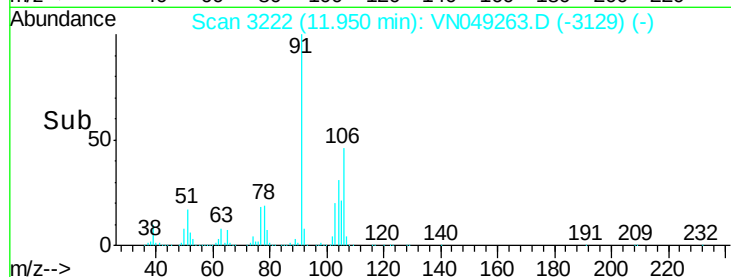
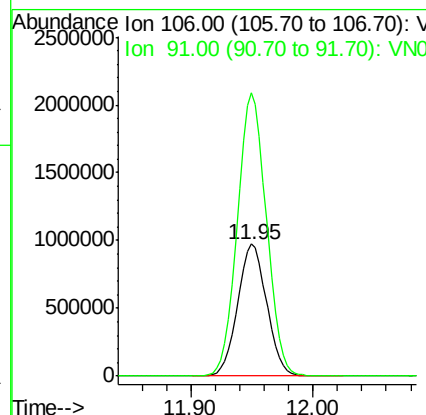
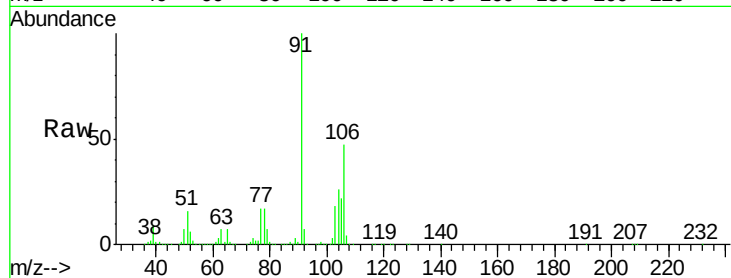
#69
o-Xylene
Concen: 50.36 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 1608294
Ion Ratio Lower Upper
106 100
91 214.1 111.0 333.0

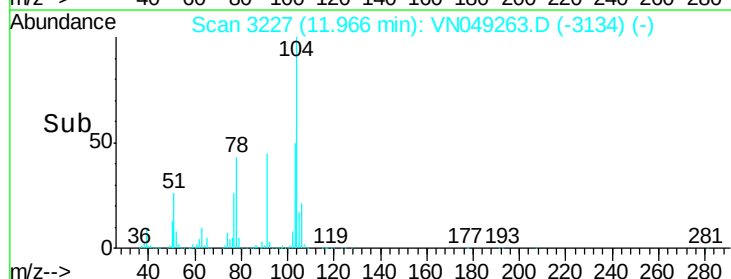
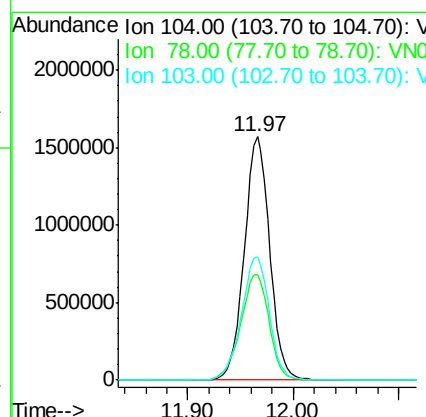
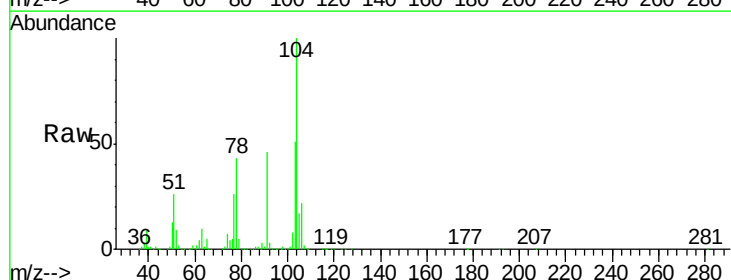
Manual Integrations
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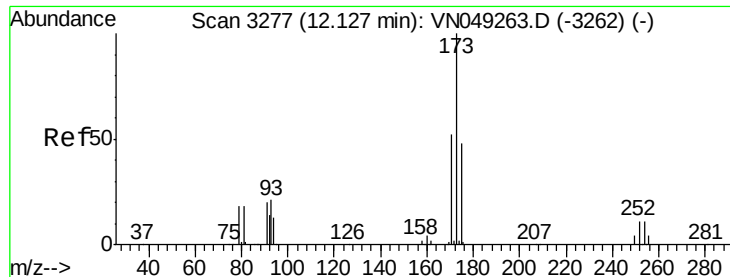
MMDadoda
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#70
Styrene
Concen: 51.89 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion:104 Resp: 2623646
Ion Ratio Lower Upper
104 100
78 48.4 41.6 62.4
103 55.6 45.4 68.2





#71

Bromoform

Concen: 49.63 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 620230

Ion Ratio Lower Upper

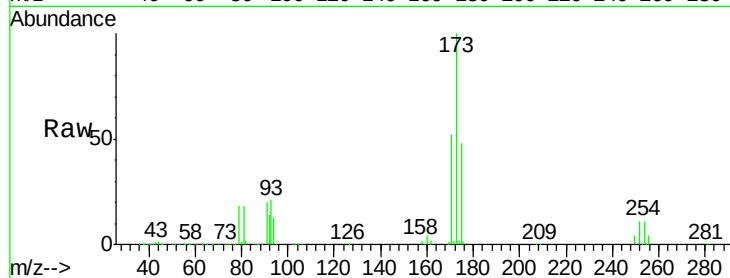
173 100

175 48.8 24.5 73.5

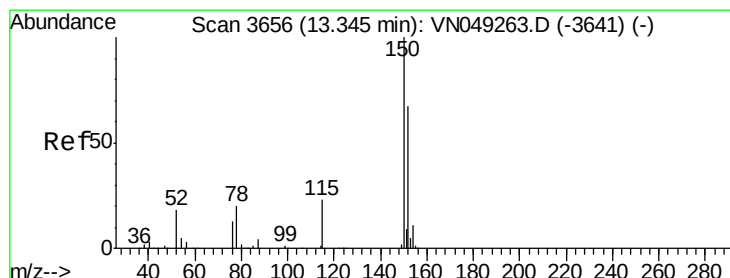
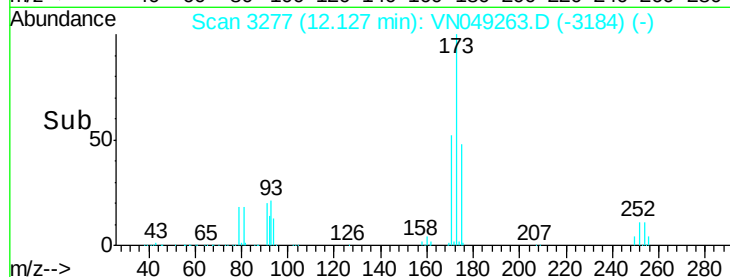
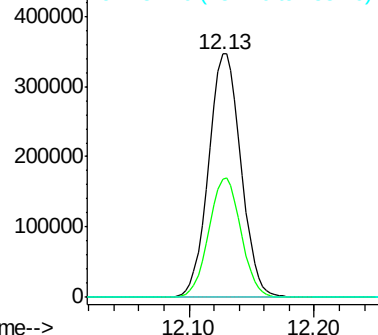
254 0.1 0.1 0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

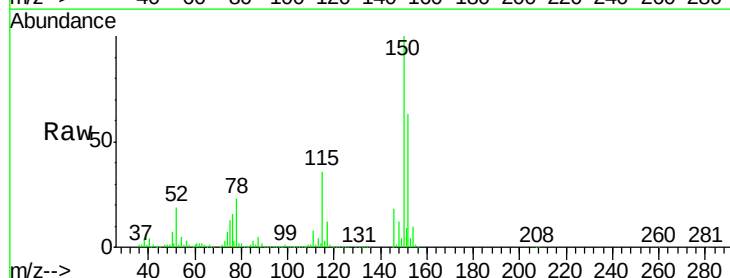
Tgt Ion:152 Resp: 1051725

Ion Ratio Lower Upper

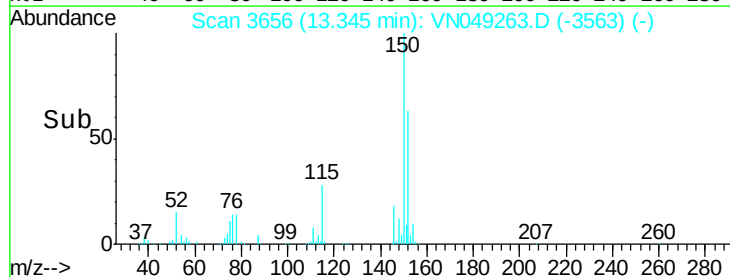
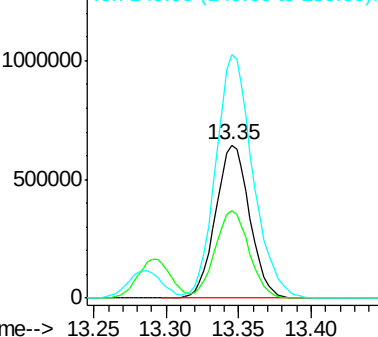
152 100

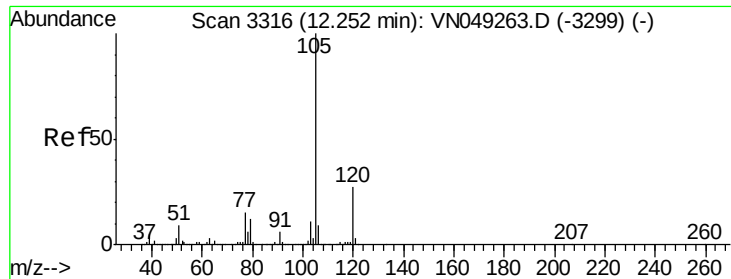
115 57.1 28.7 86.1

150 173.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





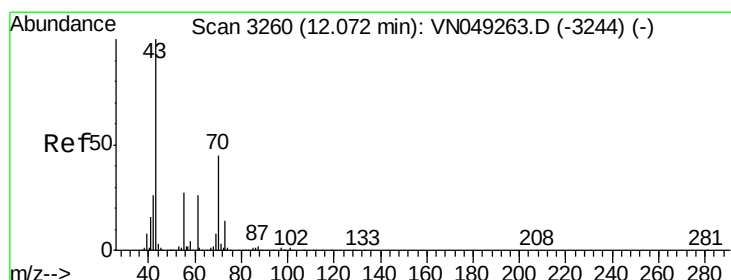
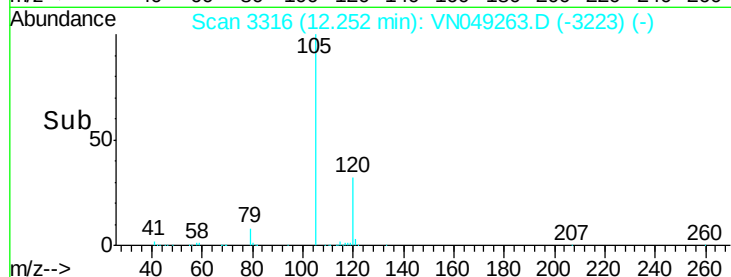
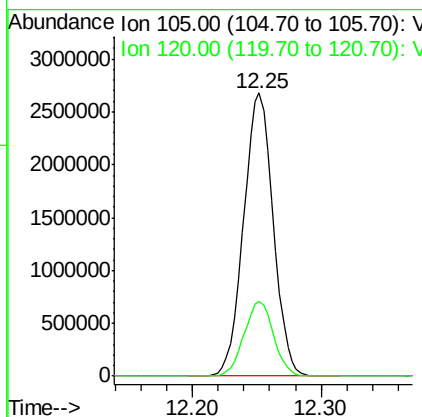
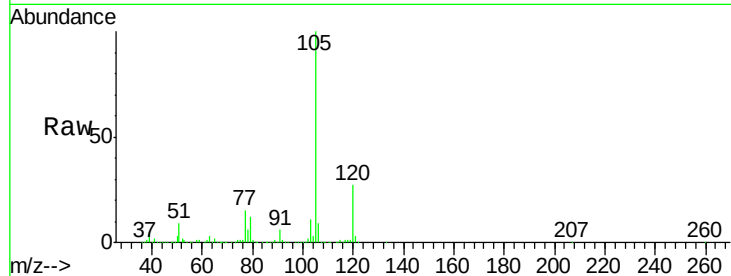
#73
Isopropylbenzene
Concen: 42.31 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 4273617
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.3

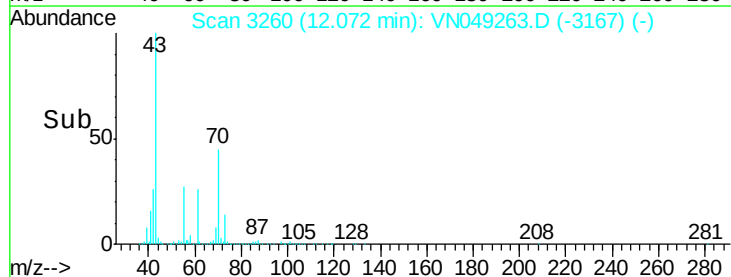
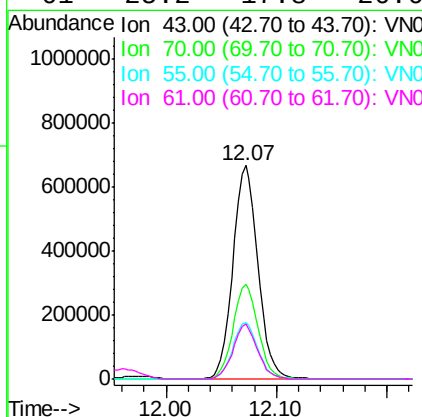
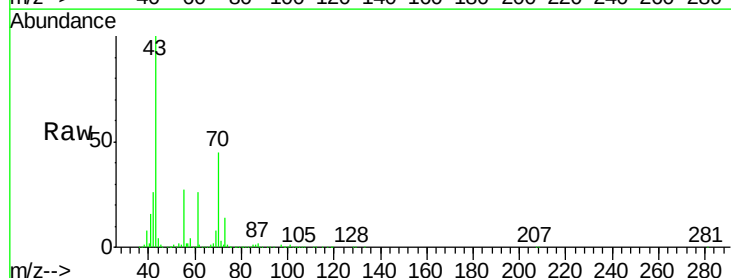
Manual Integrations
APPROVED

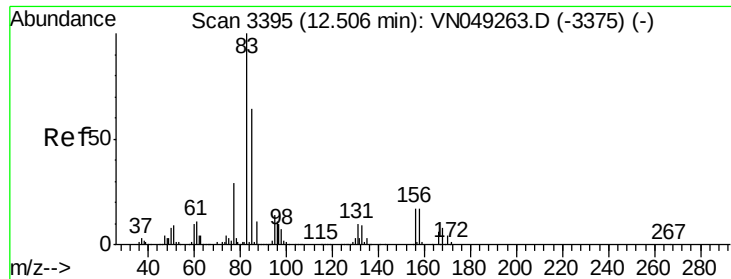
MMDadoda
6/18/2018 3:16:11 PM



#74
N-ethyl acetate
Concen: 36.40 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN049263.D
Acq: 15 Jun 2018 15:18

Tgt Ion: 43 Resp: 1047525
Ion Ratio Lower Upper
43 100
70 44.4 30.3 45.5
55 26.8 19.4 29.2
61 25.2 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 36.34 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

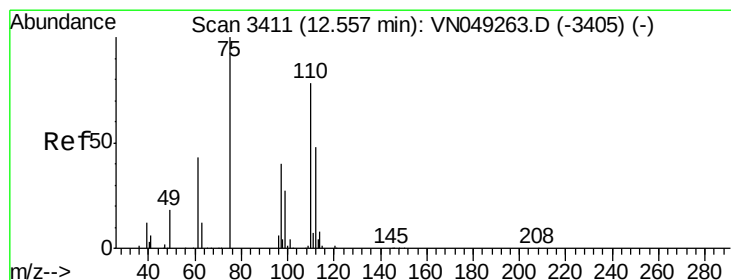
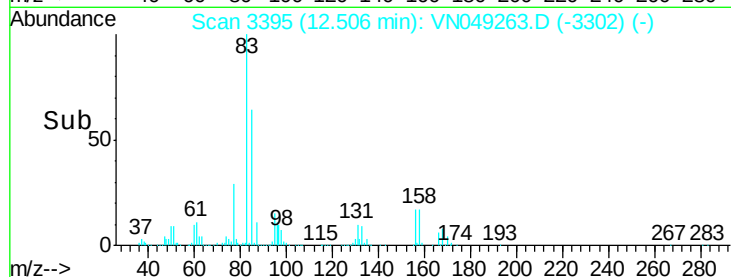
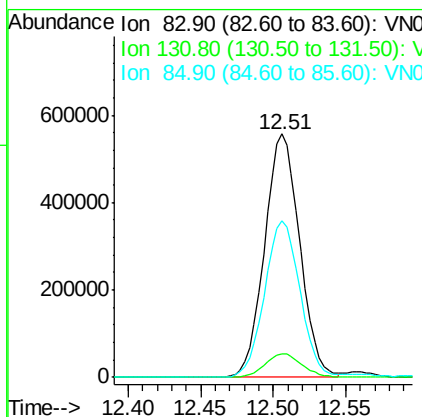
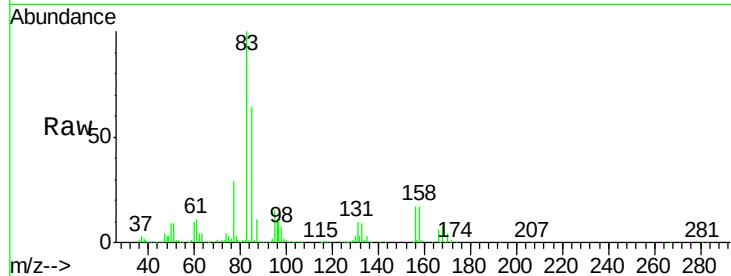
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	936981
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.9	32.0	96.0

Manual Integrations
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6/18/2018 3:16:11 PM



#76

1,2,3-Trichloropropane

Concen: 40.42 ug/l m

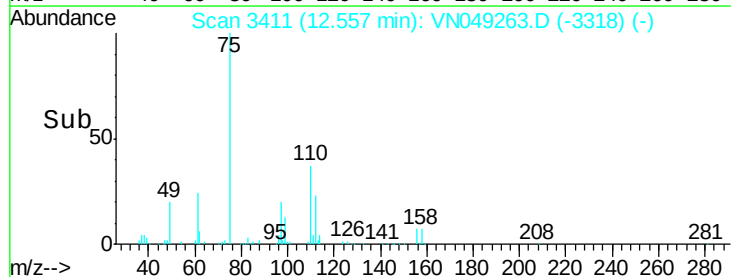
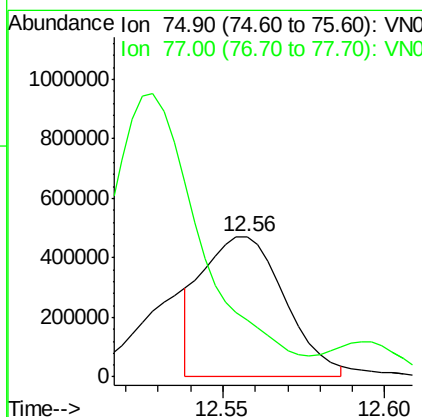
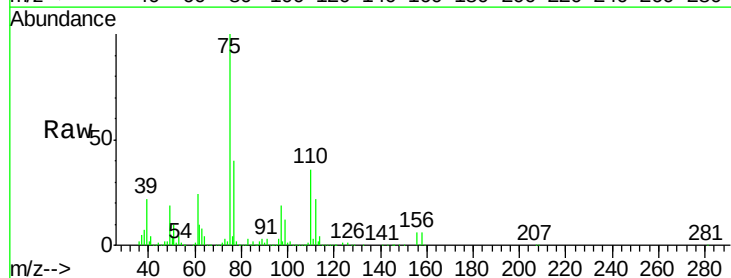
RT: 12.56 min Scan# 3411

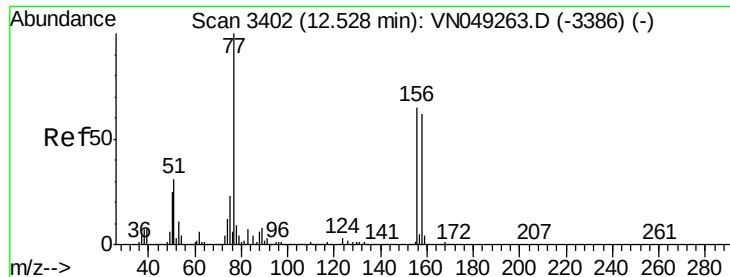
Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Tgt Ion:	75	Resp:	829459
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.95 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 1064730

Ion Ratio Lower Upper

156 100

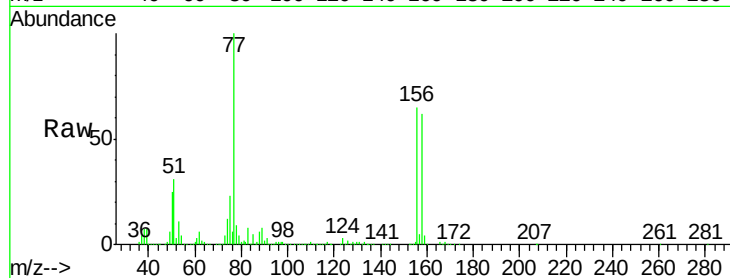
77 180.1 100.8 302.4

158 96.4 49.3 147.9

Manual Integrations
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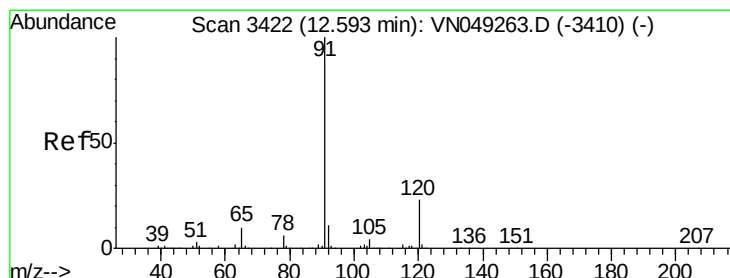
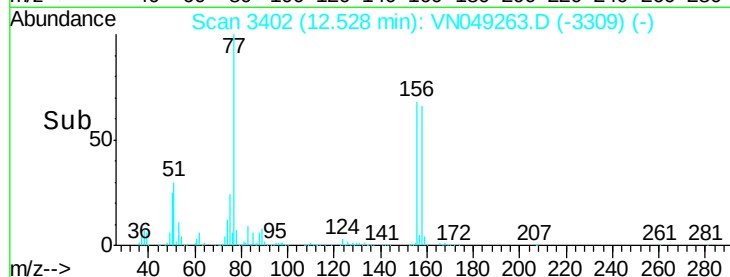
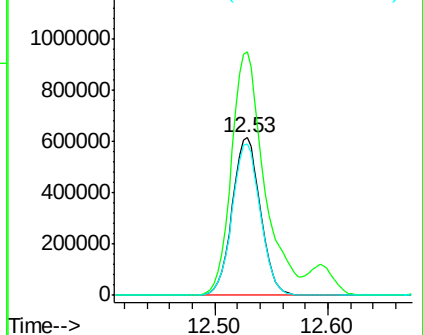
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.83 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049263.D

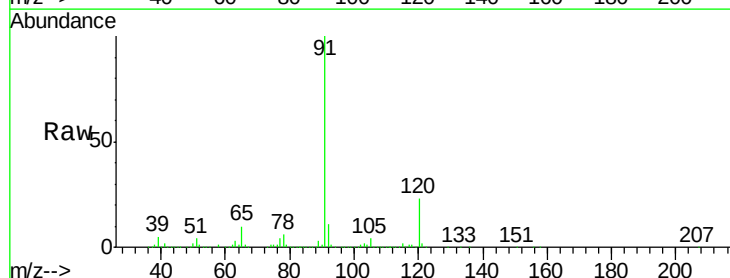
Acq: 15 Jun 2018 15:18

Tgt Ion: 91 Resp: 4918851

Ion Ratio Lower Upper

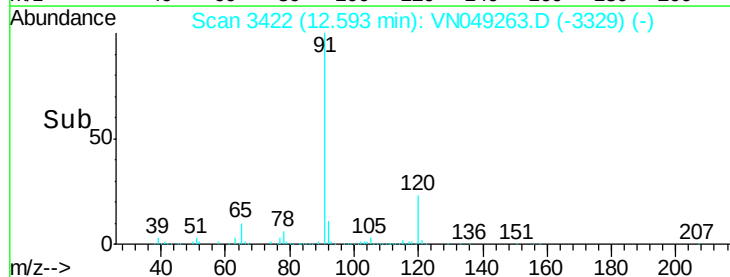
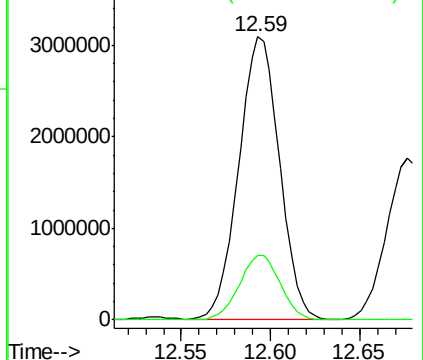
91 100

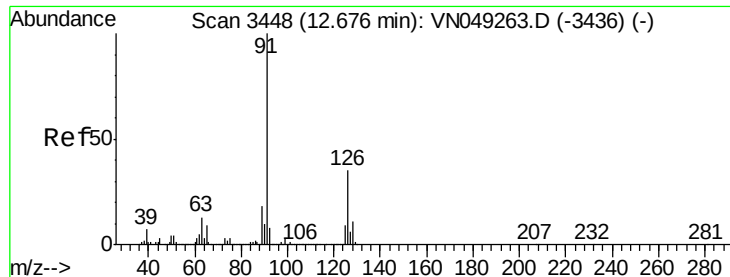
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.24 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 2918933

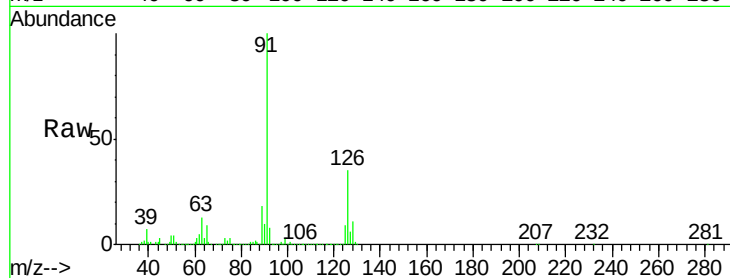
Ion Ratio Lower Upper

91 100

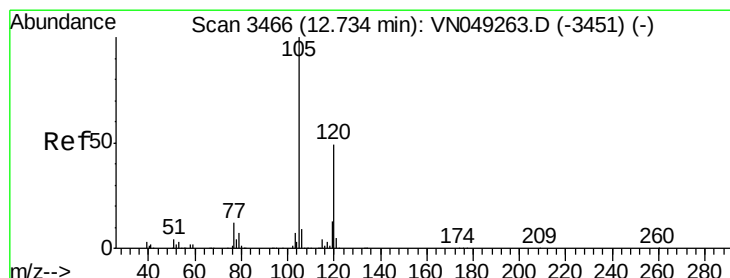
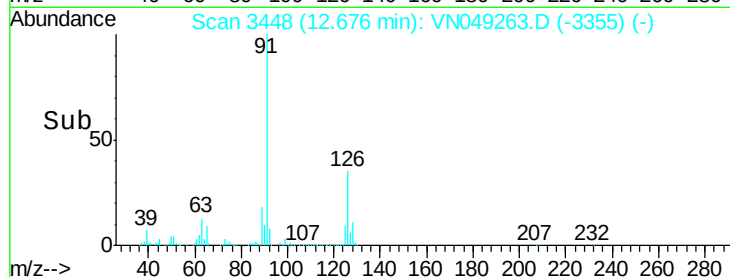
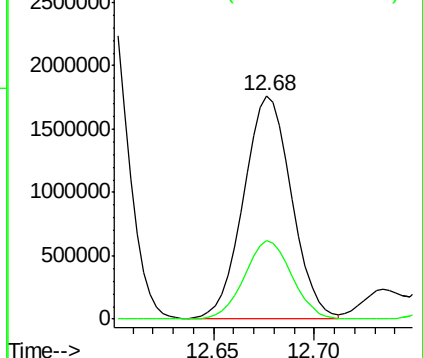
126 34.9 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049263.D

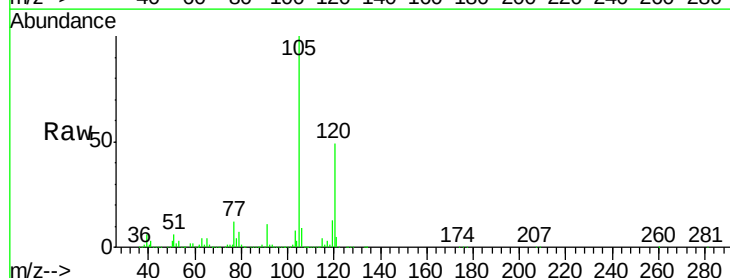
Acq: 15 Jun 2018 15:18

Tgt Ion:105 Resp: 3518589

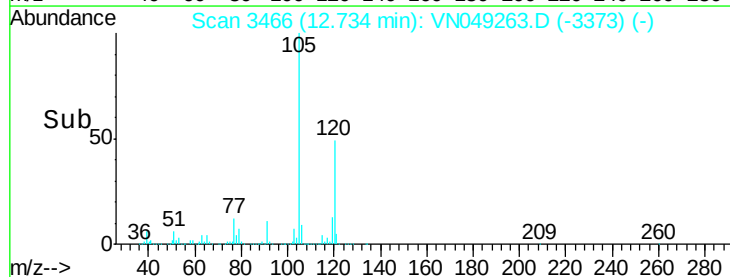
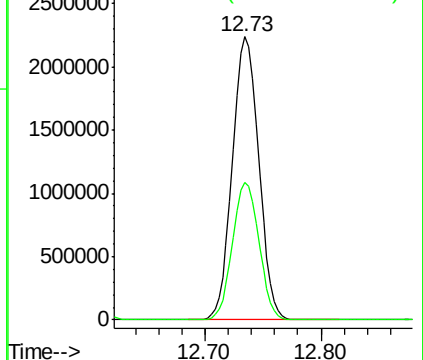
Ion Ratio Lower Upper

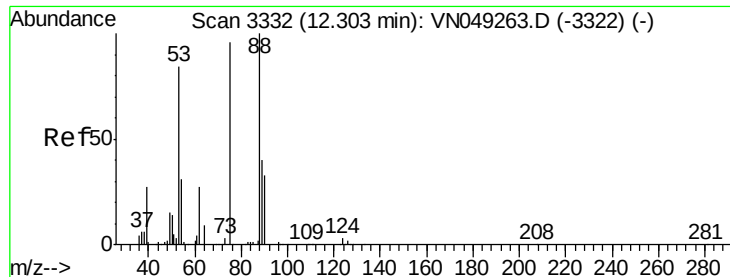
105 100

120 48.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 40.84 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 257082

Ion Ratio Lower Upper

75 100

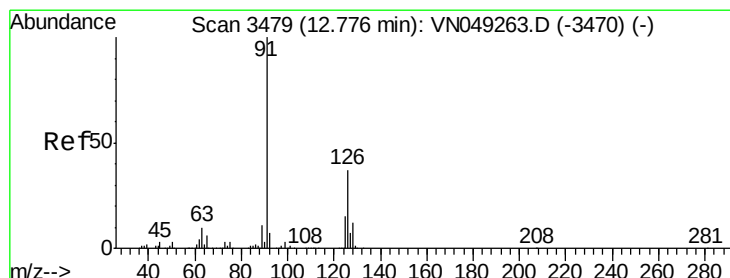
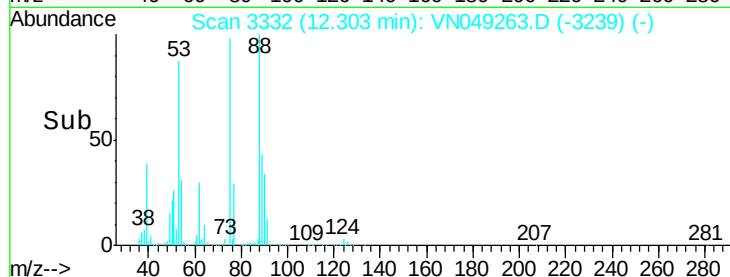
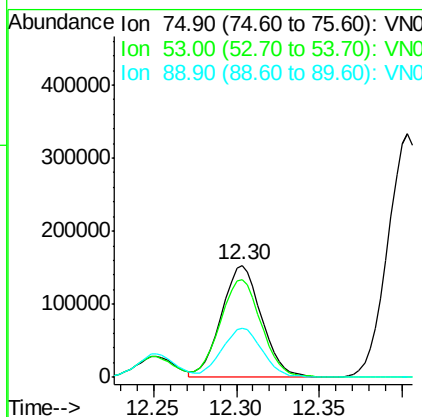
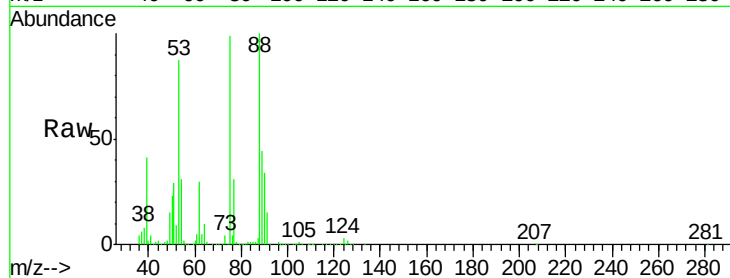
53 90.0 82.7 124.1

89 44.5 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.45 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049263.D

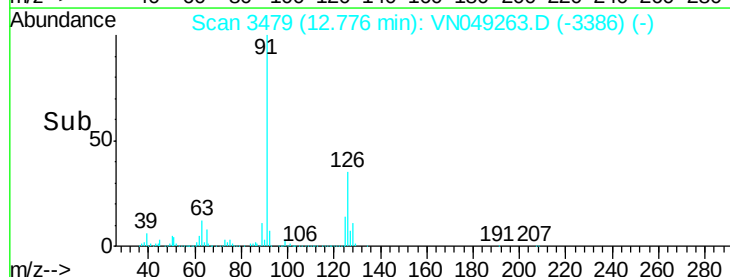
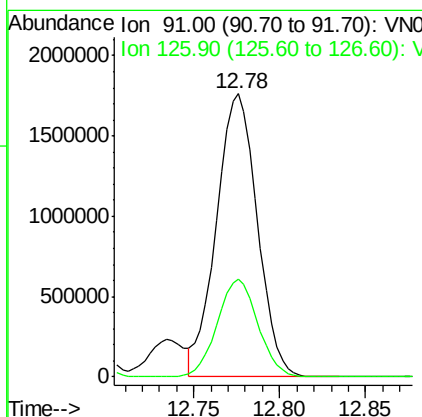
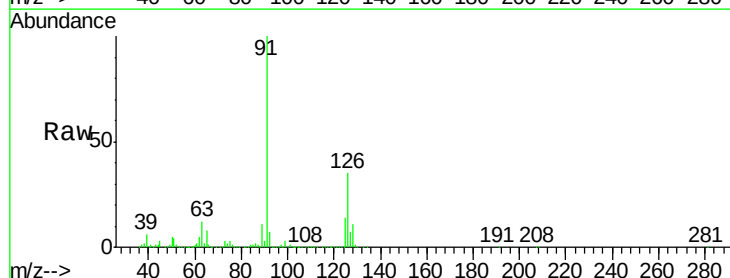
Acq: 15 Jun 2018 15:18

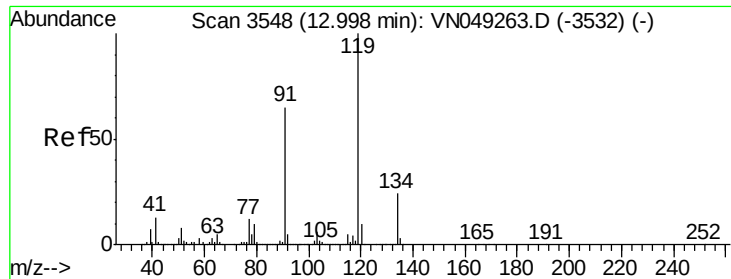
Tgt Ion: 91 Resp: 2916865

Ion Ratio Lower Upper

91 100

126 34.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 44.35 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 2959150

Ion Ratio Lower Upper

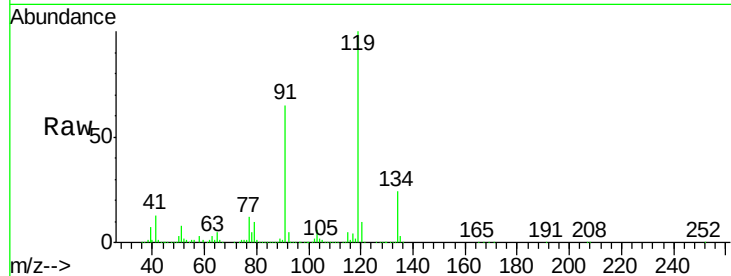
119 100

91 64.3 33.7 101.0

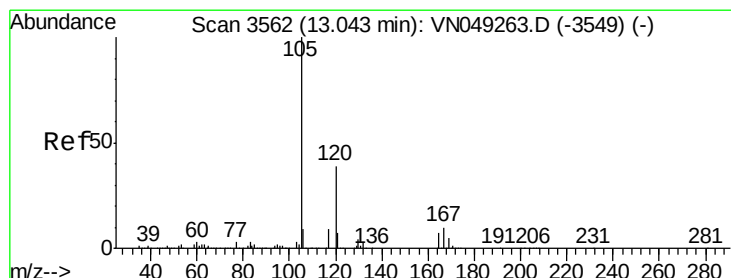
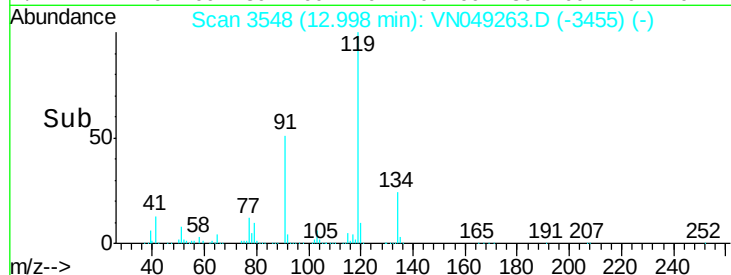
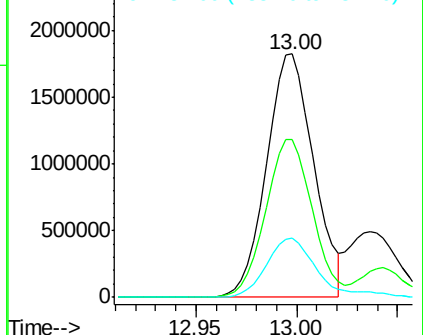
134 26.1 12.9 38.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.89 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049263.D

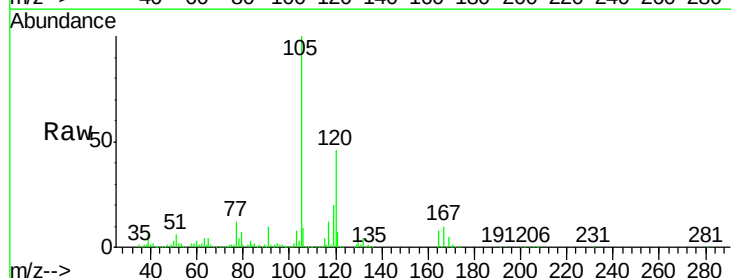
Acq: 15 Jun 2018 15:18

Tgt Ion:105 Resp: 3533269

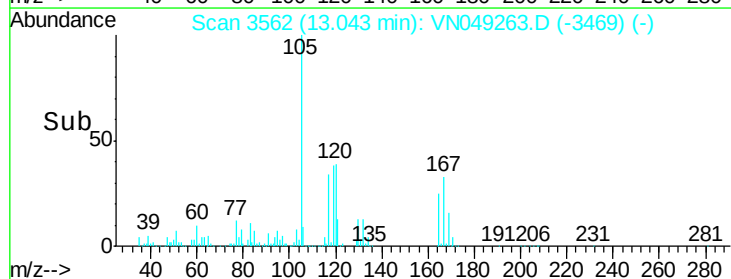
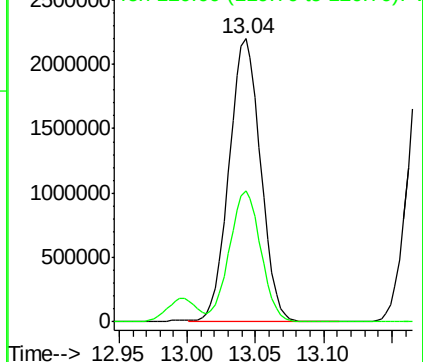
Ion Ratio Lower Upper

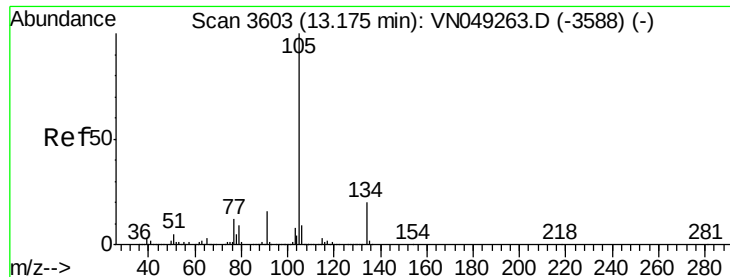
105 100

120 46.0 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: 44.97 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 3999748

Ion Ratio Lower Upper

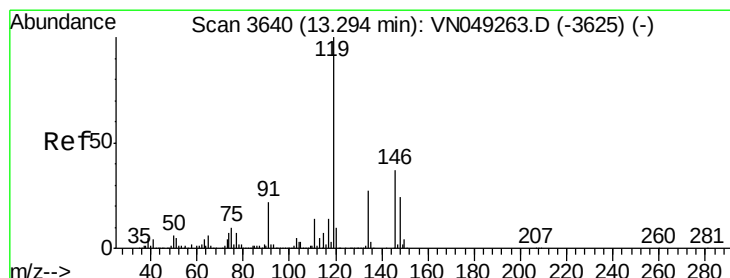
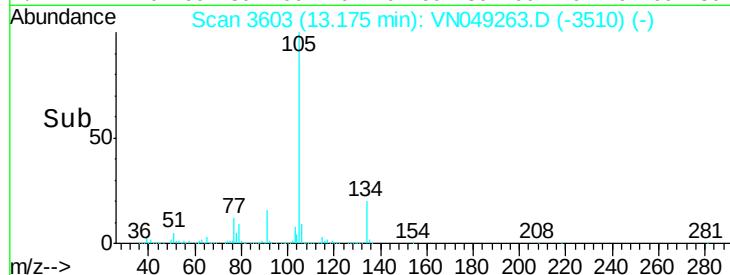
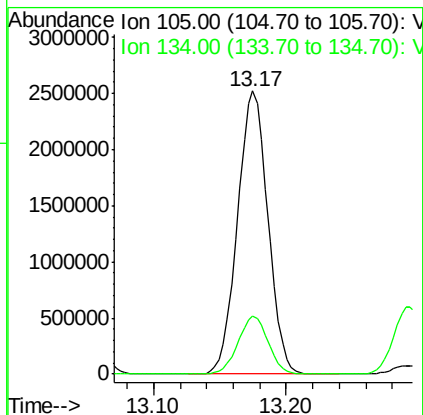
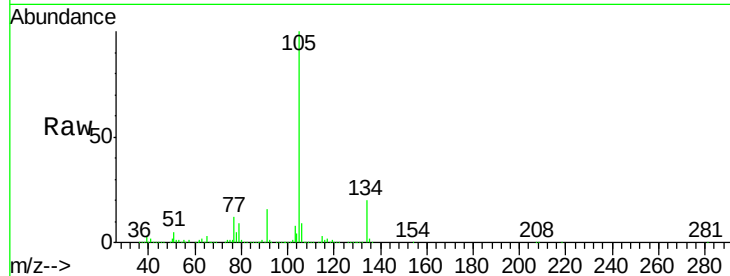
105 100

134 20.2 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.05 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

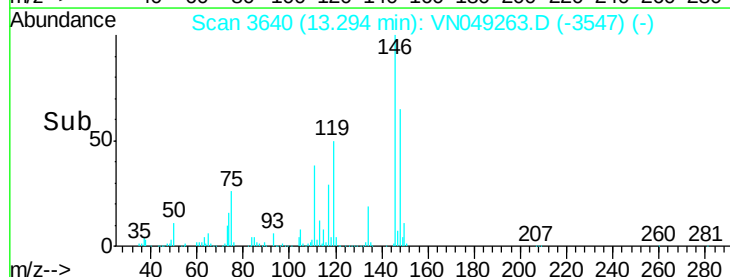
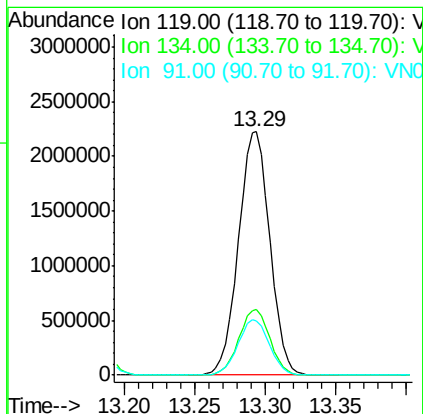
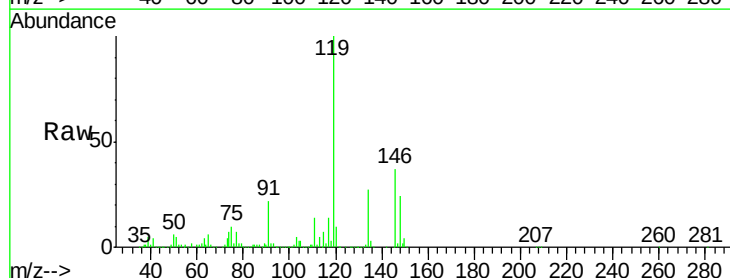
Tgt Ion:119 Resp: 3461725

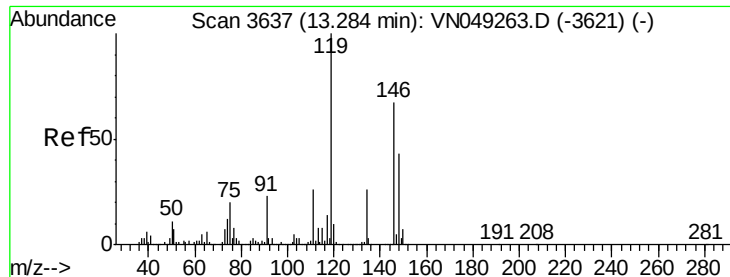
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.6 12.1 36.3





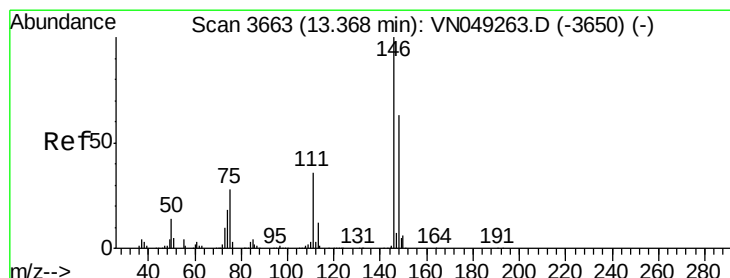
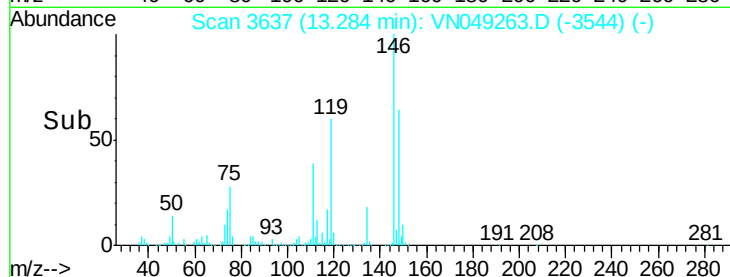
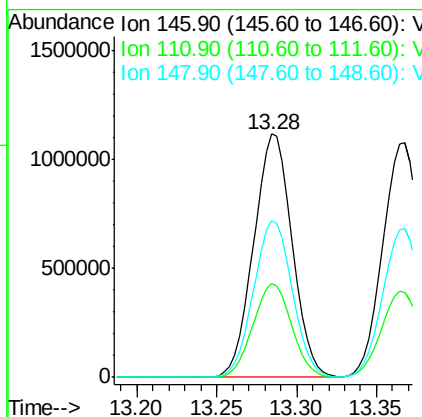
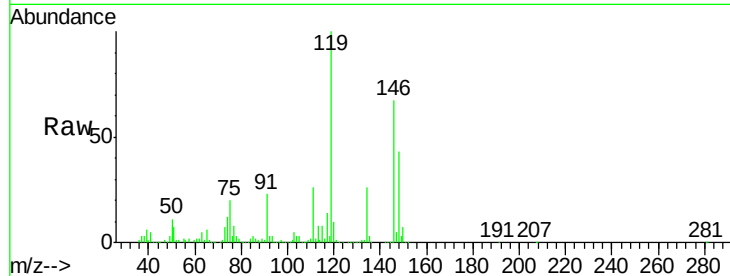
#87
 1,3-Dichlorobenzene
 Concen: 46.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	64.8	32.1	96.5

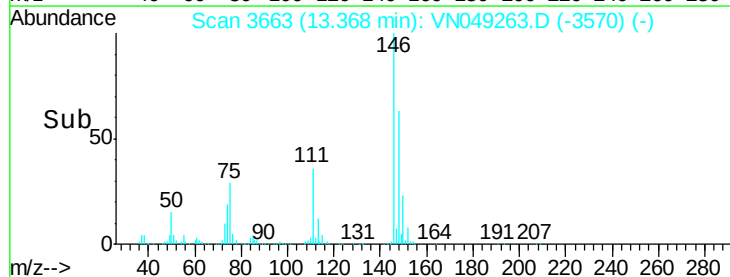
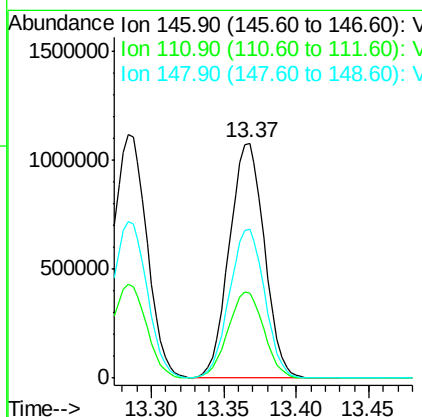
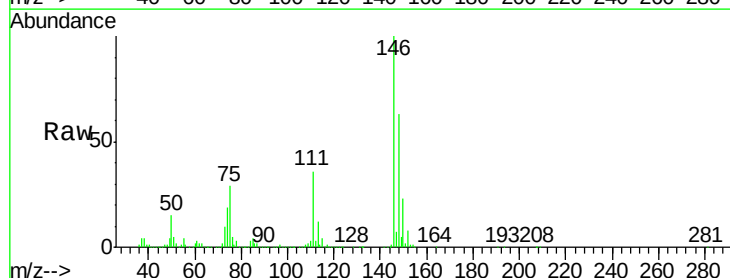
Manual Integrations
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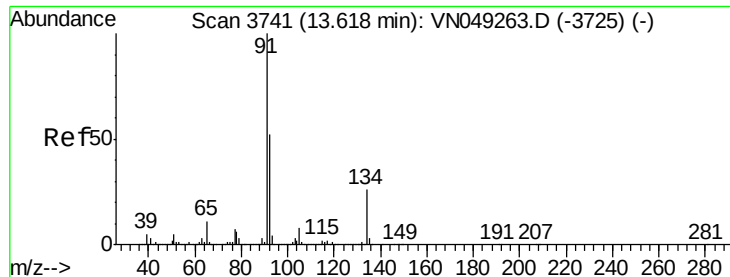
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#88
 1,4-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	63.9	32.0	96.2





#89

n-Butylbenzene

Concen: 49.65 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2761179

Ion Ratio Lower Upper

91 100

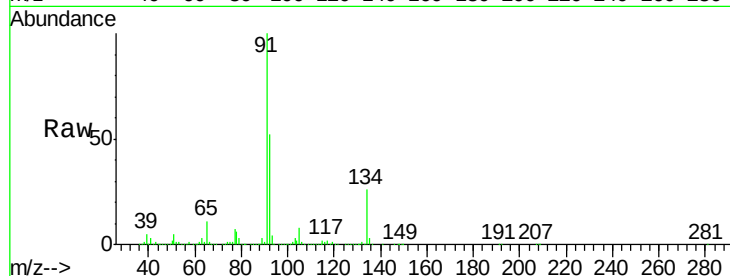
92 51.7 25.1 75.4

134 26.1 12.0 36.0

Manual Integrations
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MMDadoda

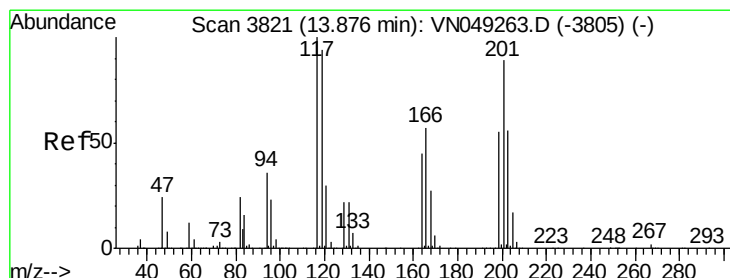
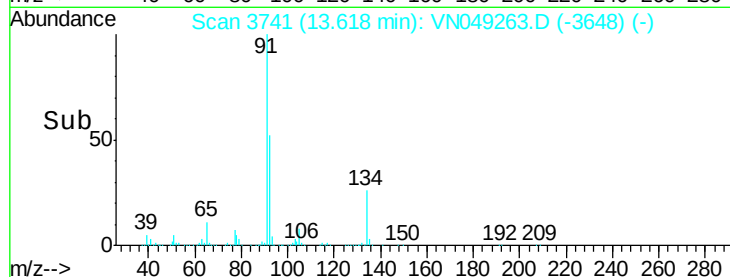
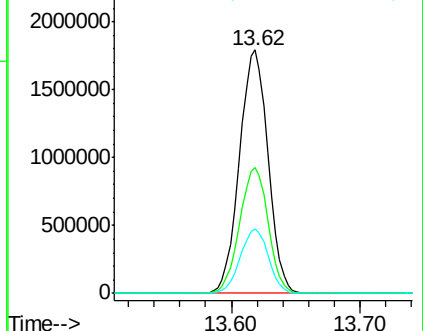
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN049263.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN049263.D (-3725) (-)



#90

Hexachloroethane

Concen: 39.37 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049263.D

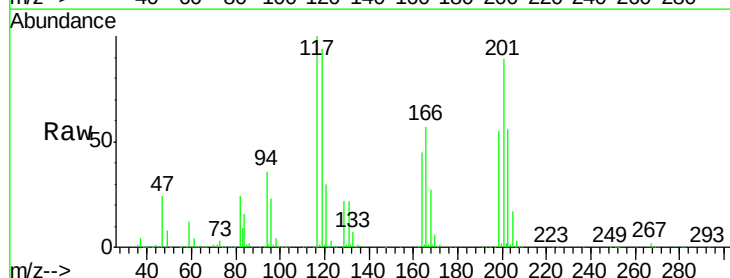
Acq: 15 Jun 2018 15:18

Tgt Ion: 117 Resp: 668453

Ion Ratio Lower Upper

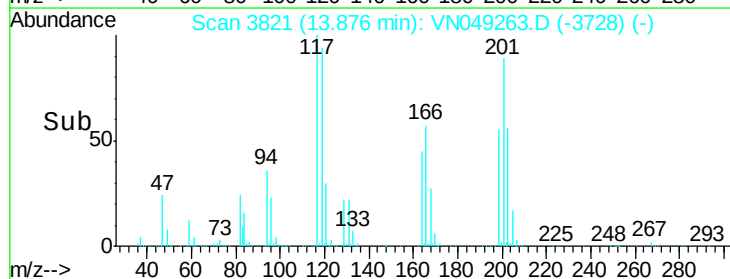
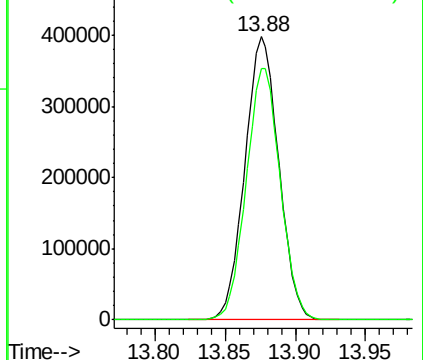
117 100

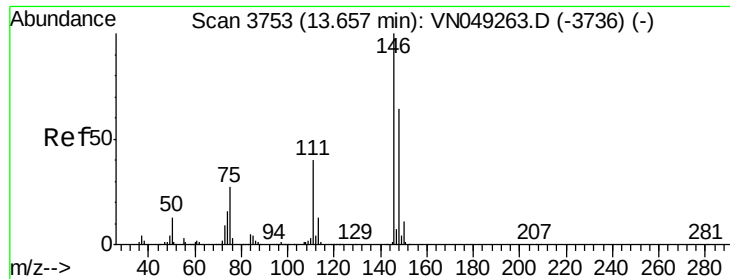
201 89.4 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN049263.D (-3805) (-)





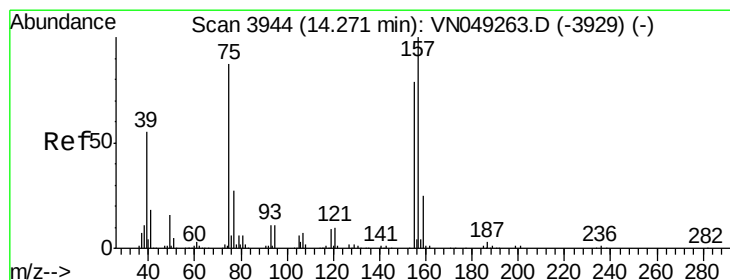
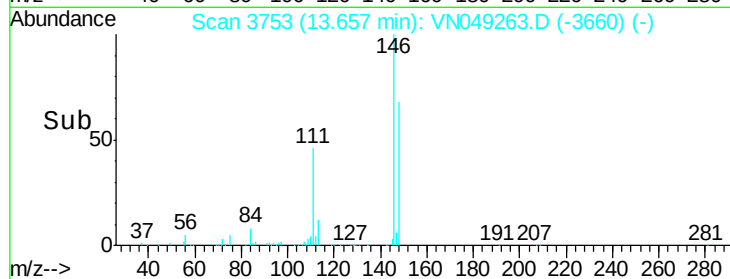
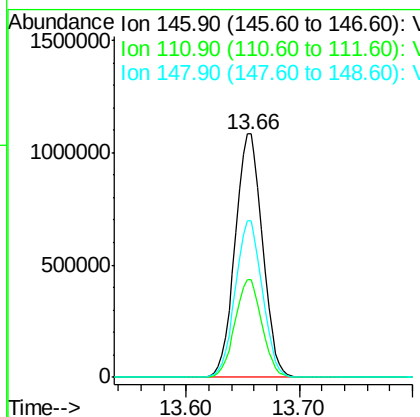
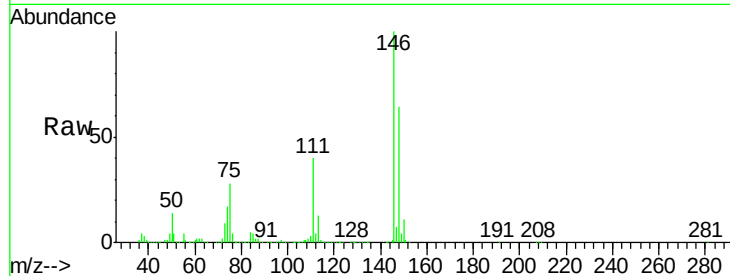
#91
 1,2-Dichlorobenzene
 Concen: 46.84 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	63.9	32.0	96.2

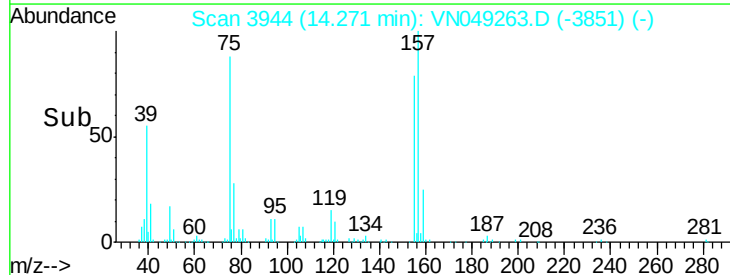
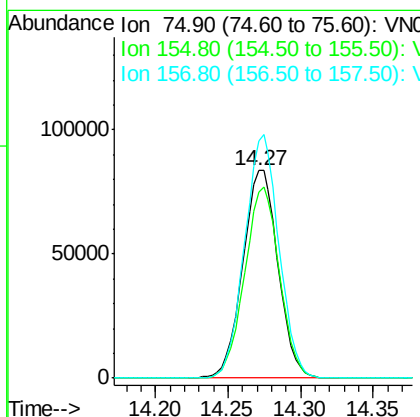
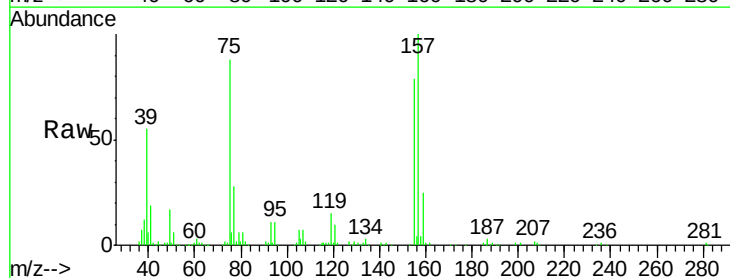
Manual Integrations
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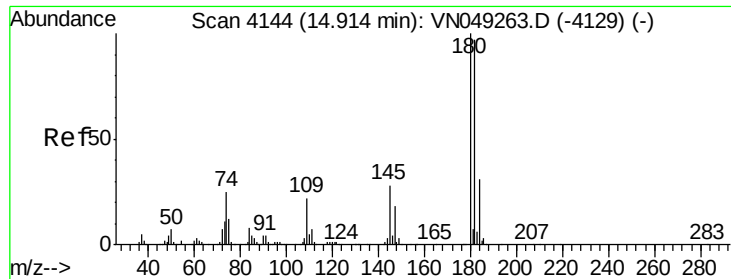
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.25 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	38.8	116.3
157	114.0	51.0	153.1





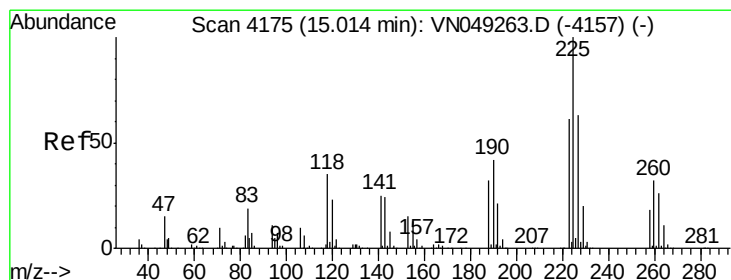
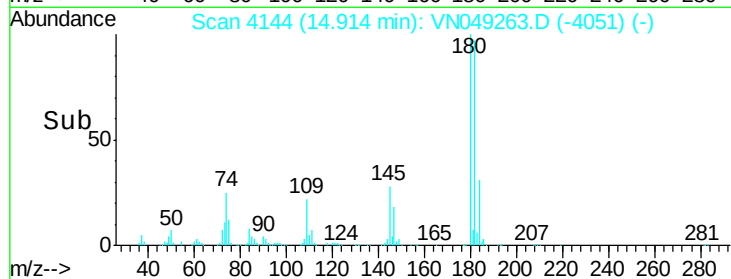
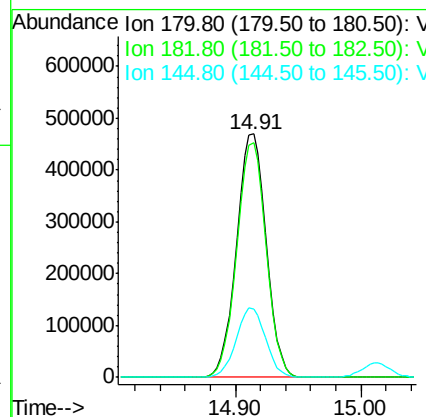
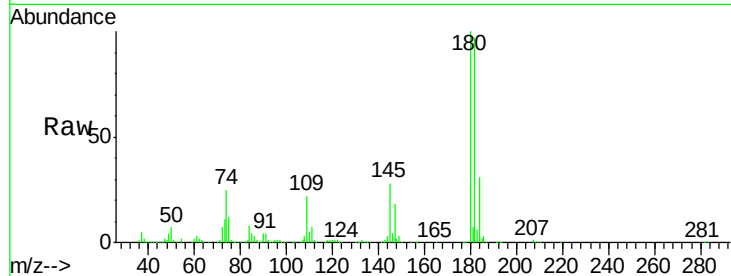
#93
 1,2,4-Trichlorobenzene
 Concen: 53.92 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	769016		
182	95.6	46.9	140.8	
145	28.3	14.7	44.1	

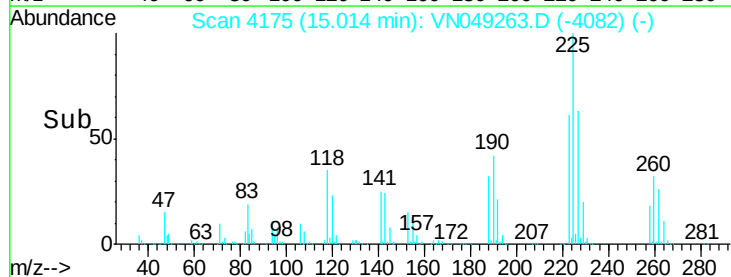
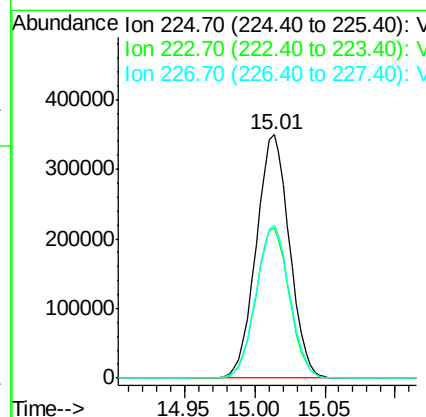
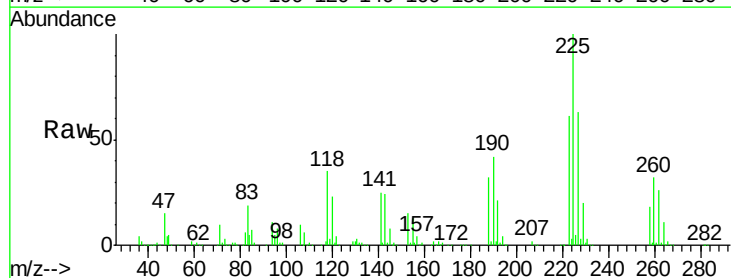
Manual Integrations
 APPROVED

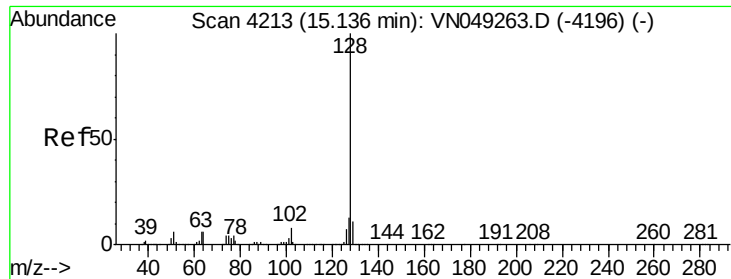
MMDadoda
 6/18/2018 3:16:11 PM



#94
 Hexachlorobutadiene
 Concen: 49.01 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049263.D
 Acq: 15 Jun 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	576160		
223	61.9	32.1	96.3	
227	63.3	31.8	95.3	





#95

Naphthalene

Concen: 47.82 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Instrument :

MSVOA_N

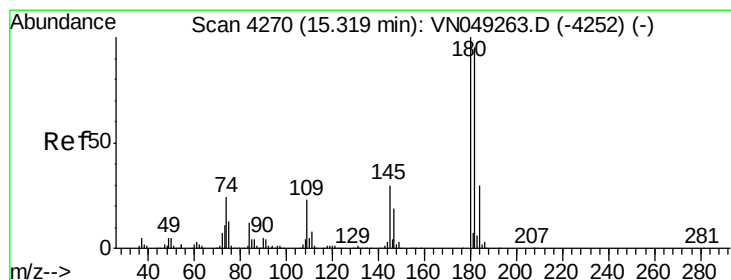
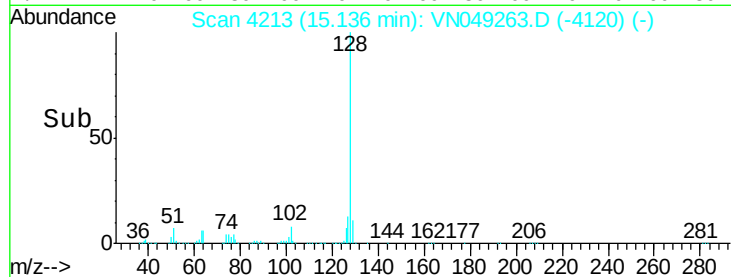
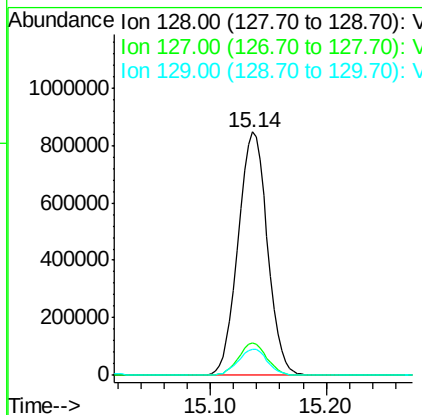
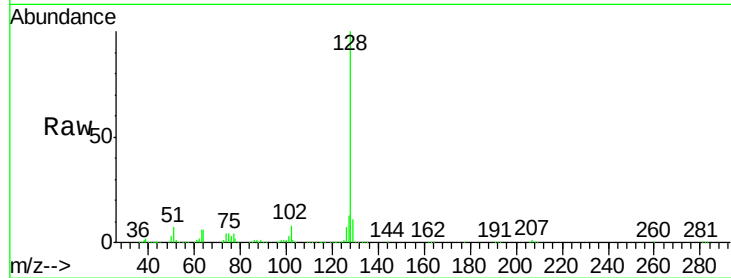
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	1485331
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.84 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049263.D

Acq: 15 Jun 2018 15:18

Tgt Ion:	180	Resp:	780561
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	30.7	15.6	46.7

