

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070221\
 Data File : VN067614.D
 Acq On : 2 Jul 2021 14:04
 Operator : JC/MD
 Sample : VN0702WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBL01

Quant Time: Jul 05 04:59:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 12:55:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

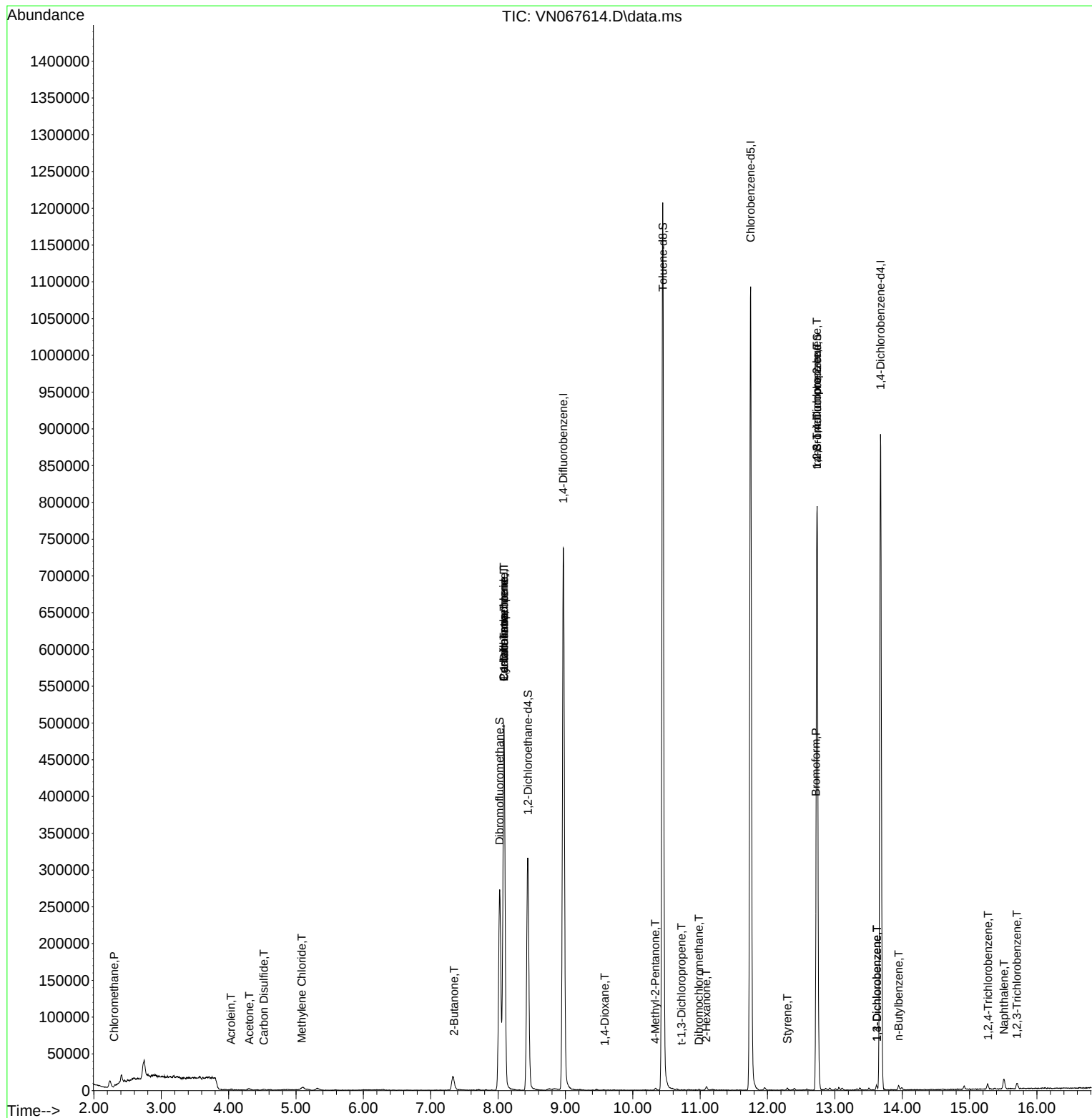
Internal Standards						
1) Pentafluorobenzene	8.088	168	355892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	658121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	623810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	232936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	266398	50.023	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.040%			
35) Dibromofluoromethane	8.024	113	197014	48.400	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.800%			
50) Toluene-d8	10.446	98	844646	49.165	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.736	95	269999	44.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.100%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	980	0.201	ug/l	99
13) Acrolein	4.033	56	475	0.787	ug/l #	14
16) Acetone	4.307	43	3221	1.908	ug/l #	86
17) Carbon Disulfide	4.524	76	2309	0.256	ug/l #	74
20) Methylene Chloride	5.084	84	878	0.209	ug/l #	61
25) 2-Butanone	7.345	43	1385	0.508	ug/l #	51
31) Cyclohexane	8.088	56	9845	1.337	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	32829	5.289	ug/l #	51
38) Carbon Tetrachloride	8.088	117	40602	6.490	ug/l #	16
49) 1,4-Dioxane	9.585	88	62	0.765	ug/l #	20
51) 4-Methyl-2-Pentanone	10.333	43	2148	0.338	ug/l #	74
53) t-1,3-Dichloropropene	10.722	75	327	1.759	ug/l #	1
59) 2-Hexanone	11.092	43	3886	0.873	ug/l	97
60) Dibromochloromethane	10.982	129	133	2.070	ug/l #	11
70) Styrene	12.296	104	953	1.403	ug/l #	82
71) Bromoform	12.720	173	138	3.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	152335	32.699	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	152335	98.603	ug/l #	6
87) 1,3-Dichlorobenzene	13.624	146	1839	0.234	ug/l	77
88) 1,4-Dichlorobenzene	13.624	146	1839	0.235	ug/l	78
89) n-Butylbenzene	13.946	91	3842	0.317	ug/l	95
93) 1,2,4-Trichlorobenzene	15.273	180	2368	0.730	ug/l	88
95) Naphthalene	15.509	128	12639	5.602	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	2869	0.956	ug/l	99

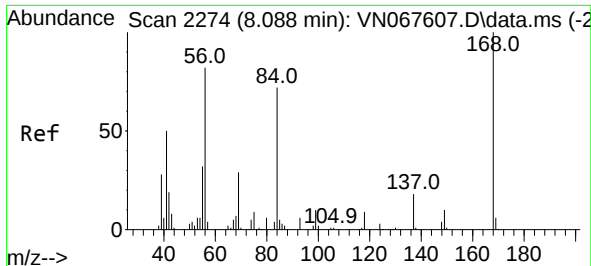
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

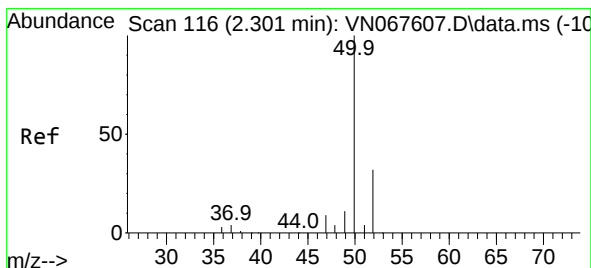
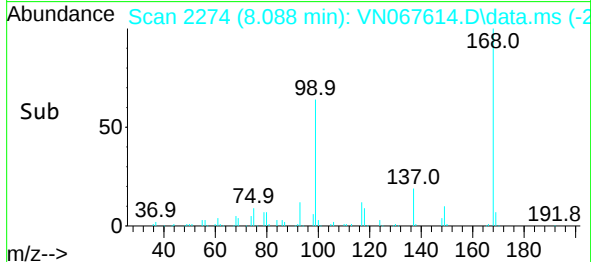
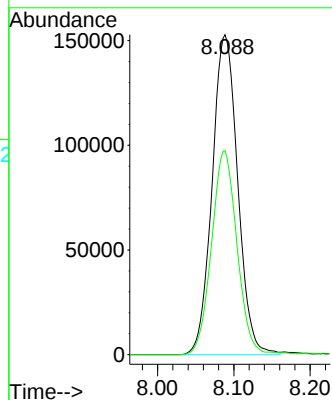
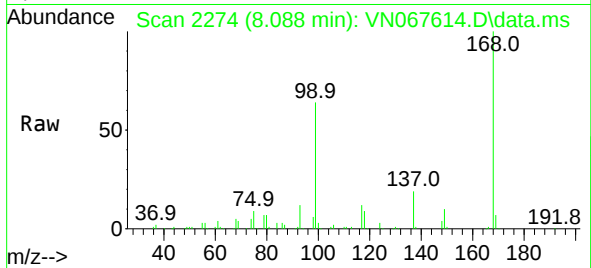




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

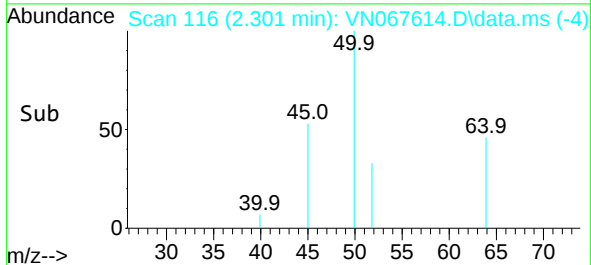
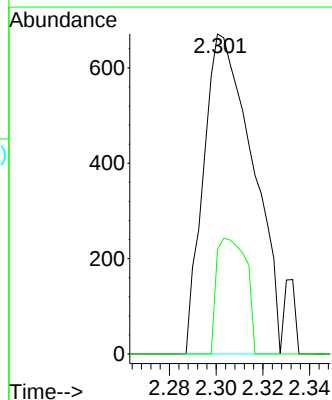
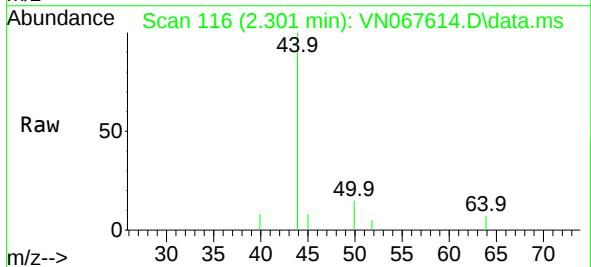
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

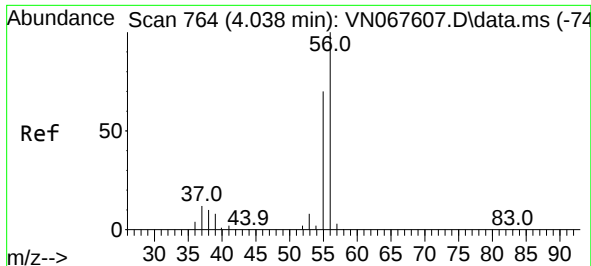
Tgt Ion:168 Resp: 355892
Ion Ratio Lower Upper
168 100
99 63.8 62.9 94.3



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 32.6 25.6 38.4

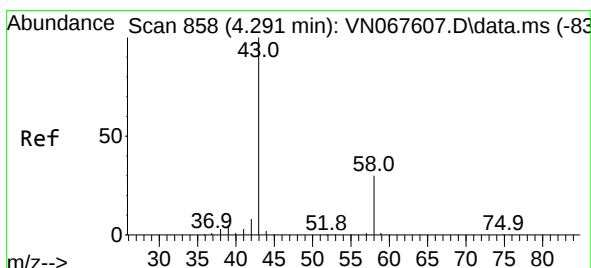
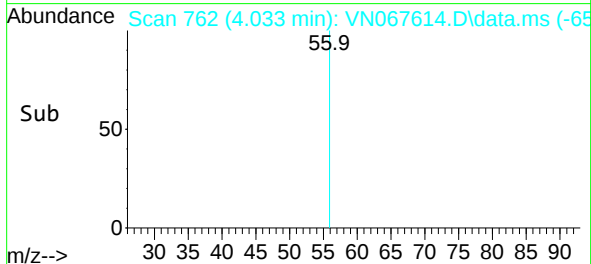
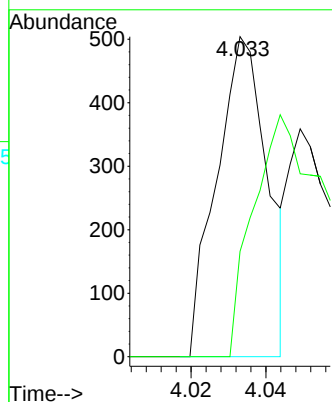
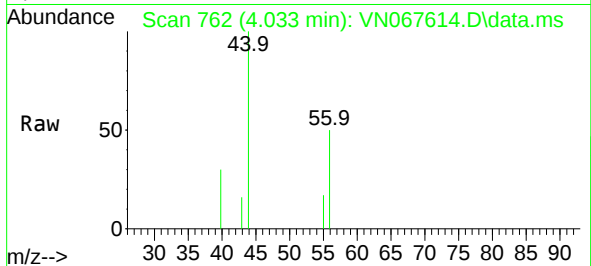




#13
Acrolein
Concen: 0.787 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

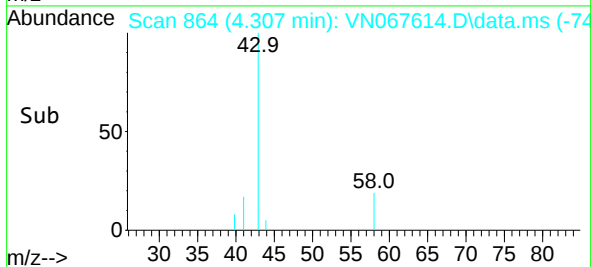
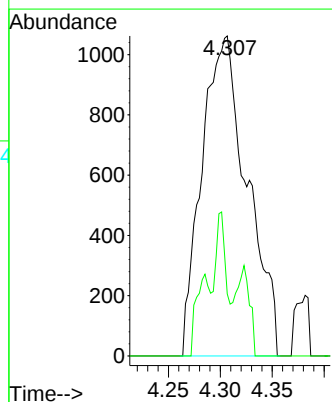
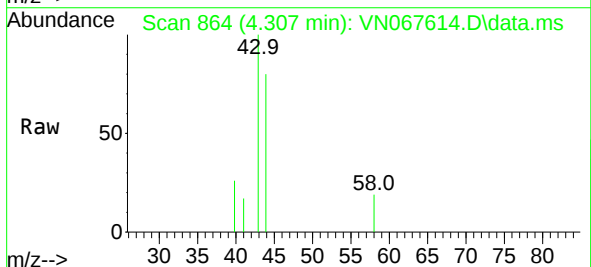
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

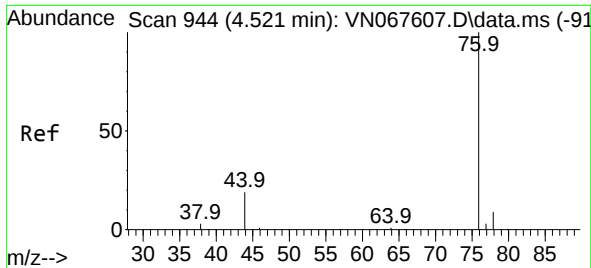
Tgt Ion: 56 Resp: 475
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 1.908 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
58 19.4 21.2 31.8#

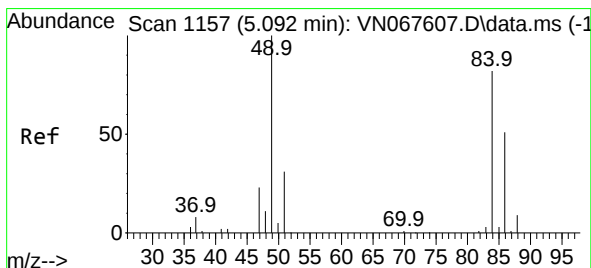
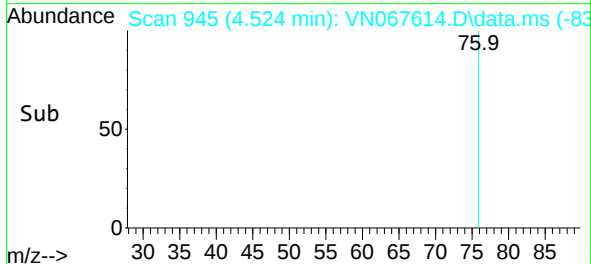
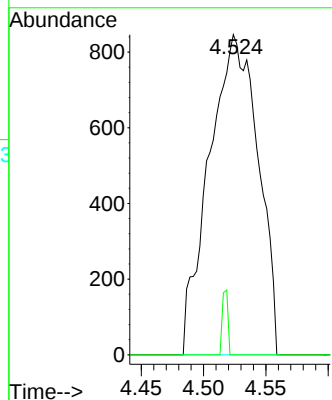
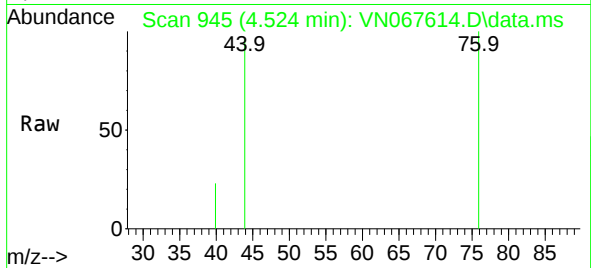




#17
Carbon Disulfide
Concen: 0.256 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

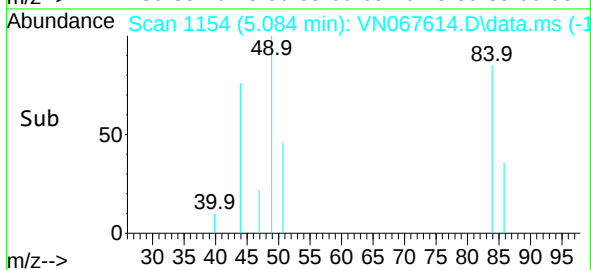
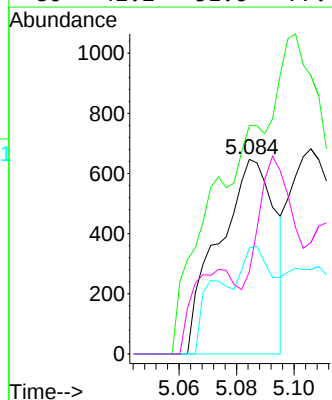
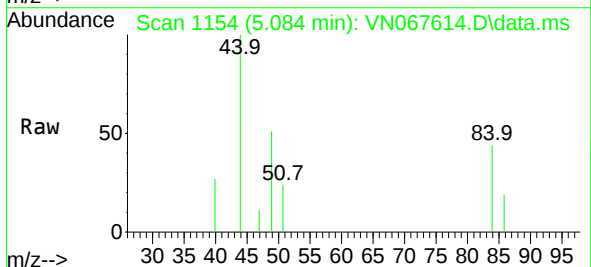
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

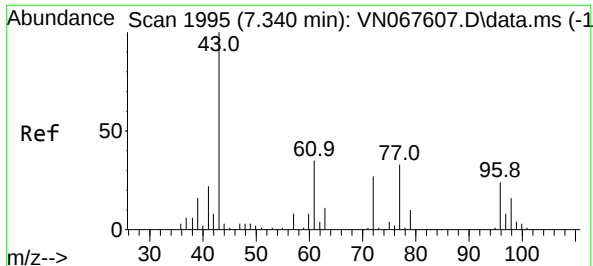
Tgt Ion: 76 Resp: 2309
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 5.084 min Scan# 1154
Delta R.T. -0.008 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 84 Resp: 878
Ion Ratio Lower Upper
84 100
49 80.1 110.9 166.3#
51 54.4 32.6 49.0#
86 42.2 51.6 77.4#

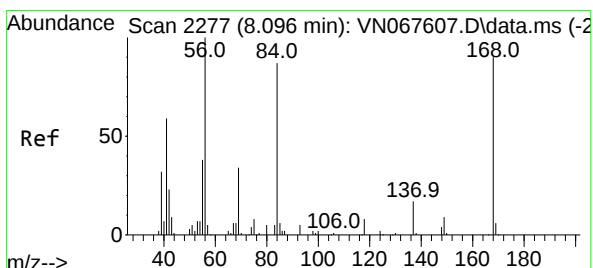
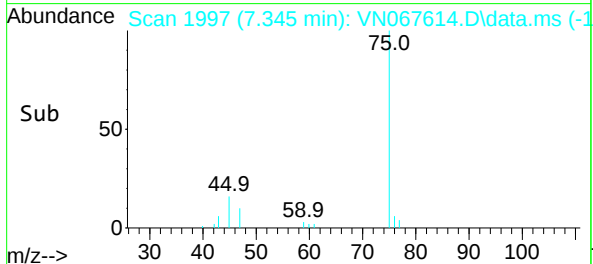
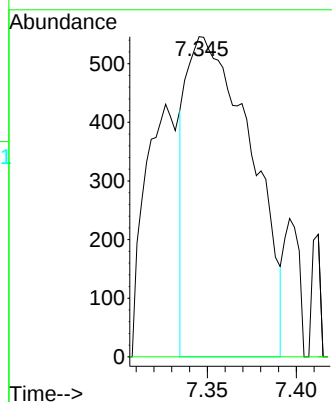
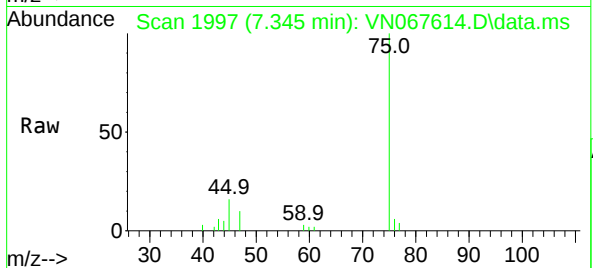




#25
2-Butanone
Concen: 0.508 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

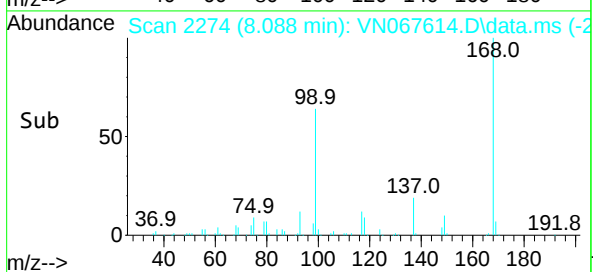
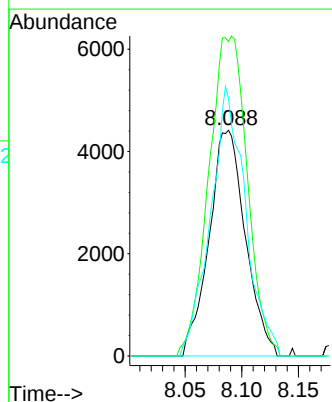
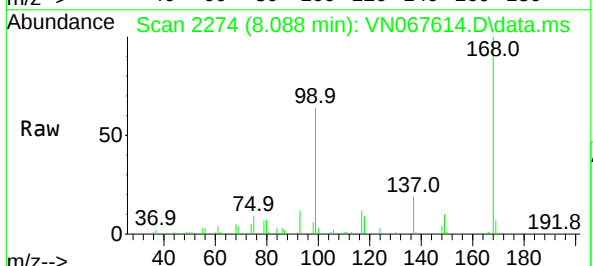
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

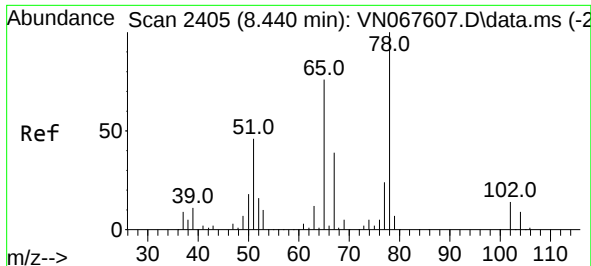
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 56 Resp: 9845
Ion Ratio Lower Upper
56 100
69 139.3 27.3 40.9#
84 114.1 64.9 97.3#



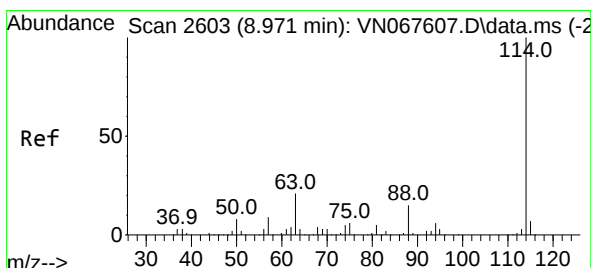
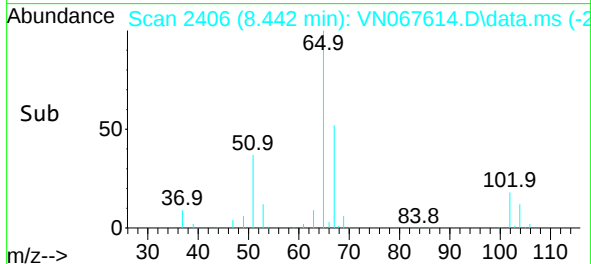
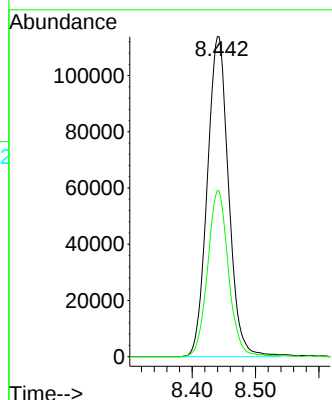
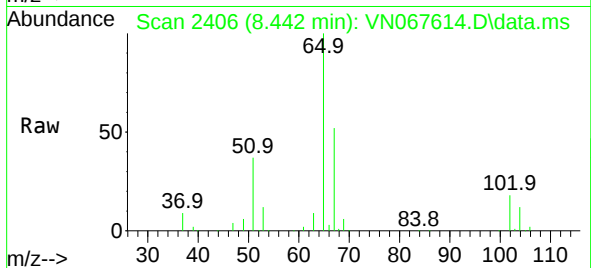


#33

1,2-Dichloroethane-d4
Concen: 50.023 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Instrument :
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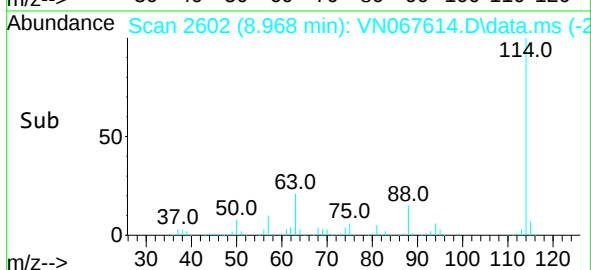
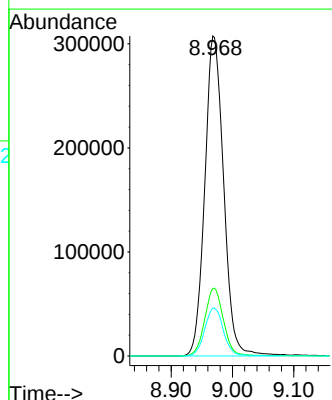
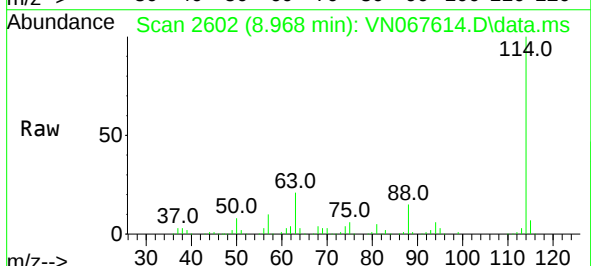
Tgt Ion: 65 Resp: 266398
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

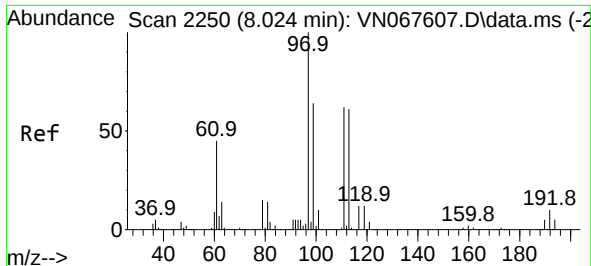


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 114 Resp: 658121
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.400 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN067614.D

Acq: 2 Jul 2021 14:04

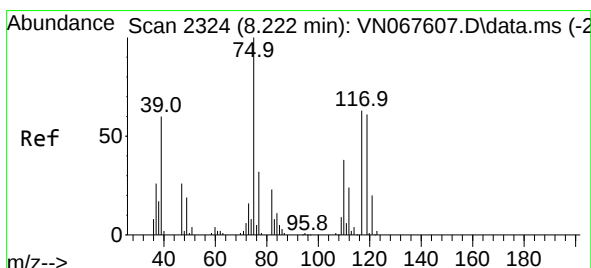
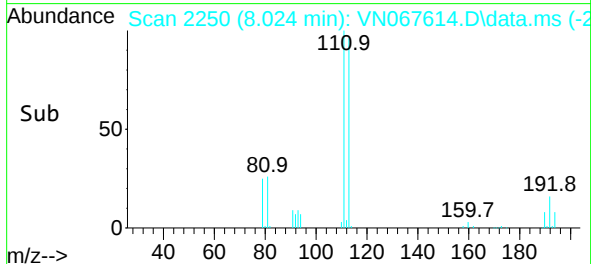
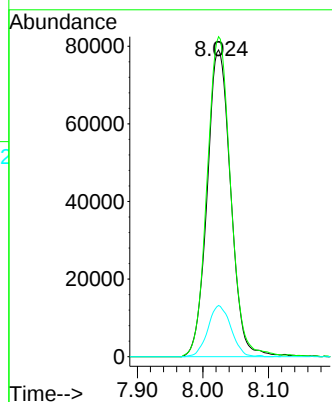
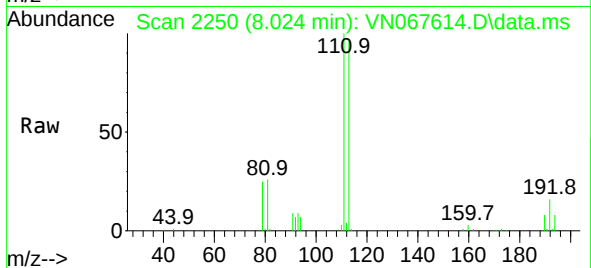
Tgt Ion:113 Resp: 197014

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.8

192 16.3 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.289 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067614.D

Acq: 2 Jul 2021 14:04

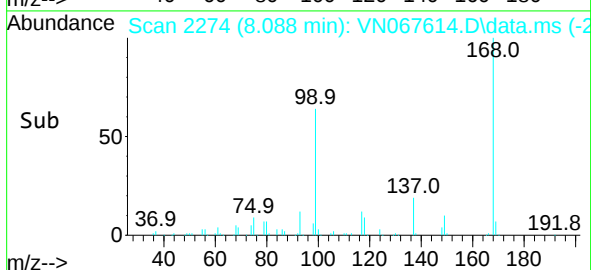
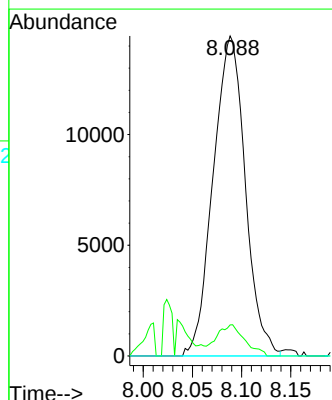
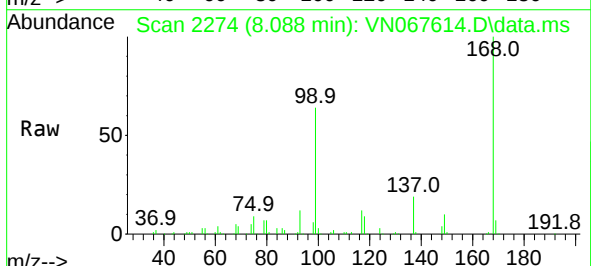
Tgt Ion: 75 Resp: 32829

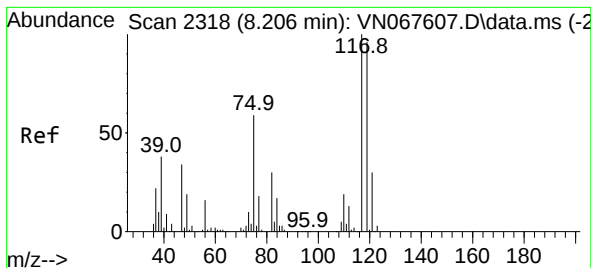
Ion Ratio Lower Upper

75 100

110 8.5 15.7 47.0#

77 0.0 24.6 37.0#

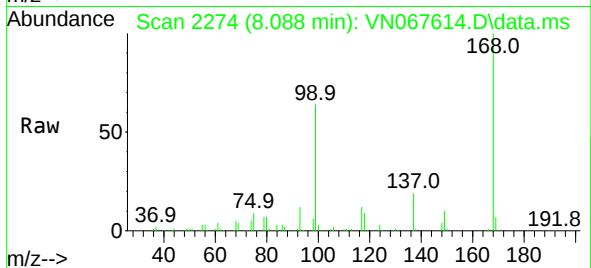




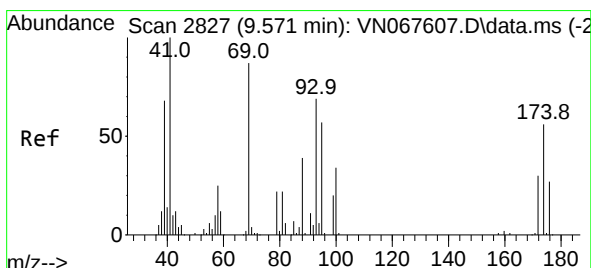
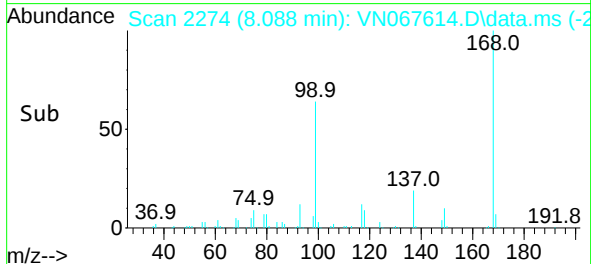
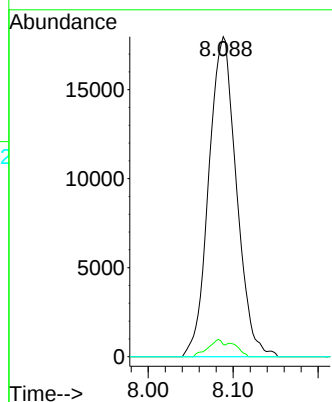
#38

Carbon Tetrachloride
Concen: 6.490 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Instrument :
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ClientSampleId :
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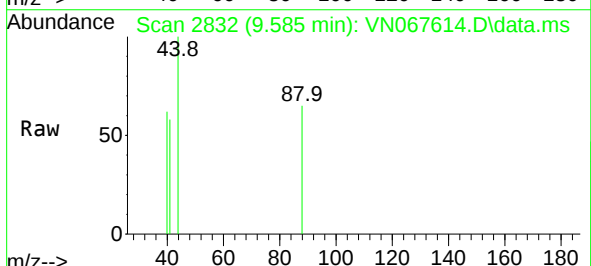


Tgt Ion:117 Resp: 40602
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.2#
121 0.0 23.5 35.3#

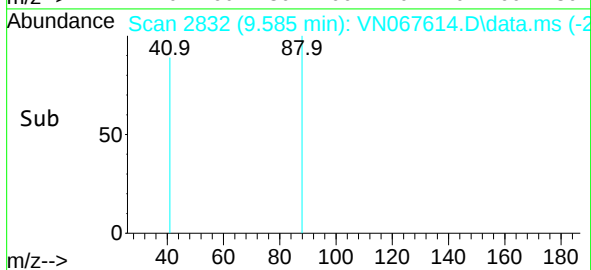
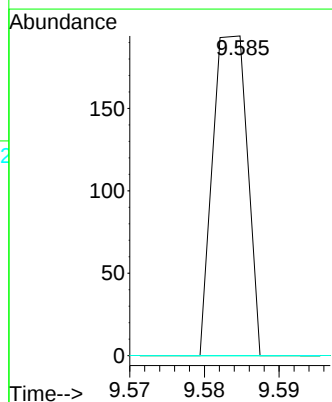


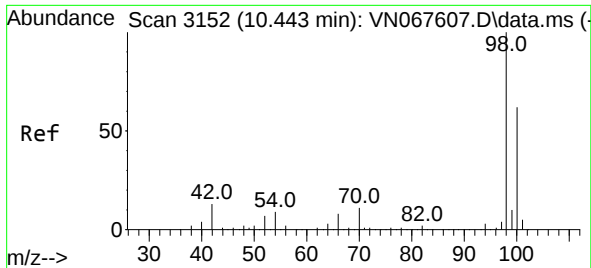
#49

1,4-Dioxane
Concen: 0.765 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.014 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04



Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

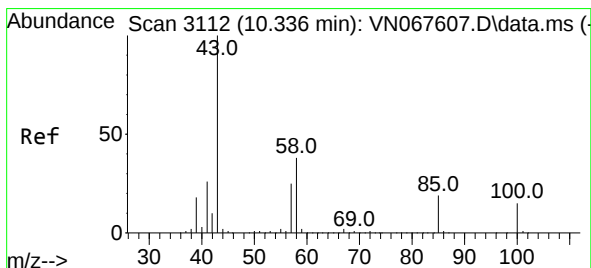
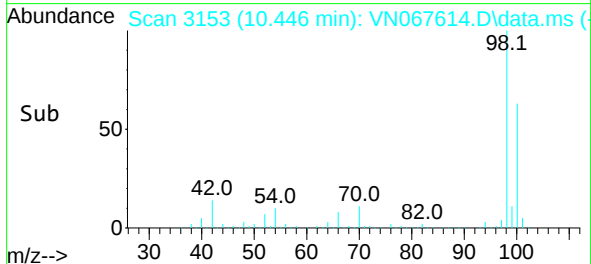
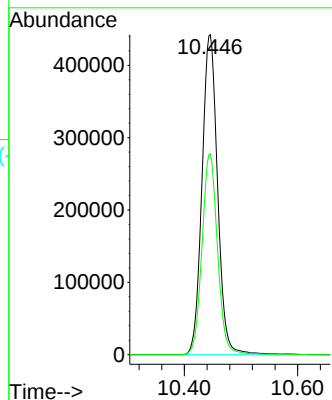
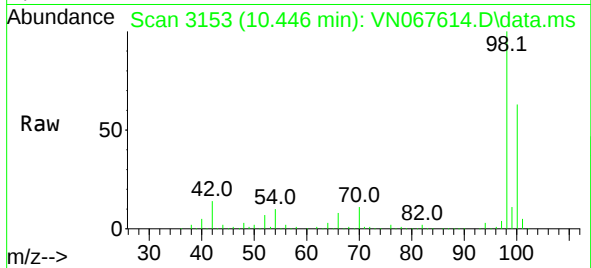




#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

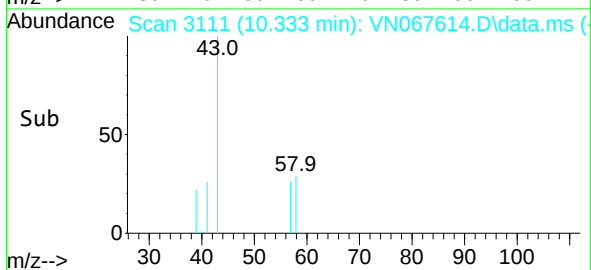
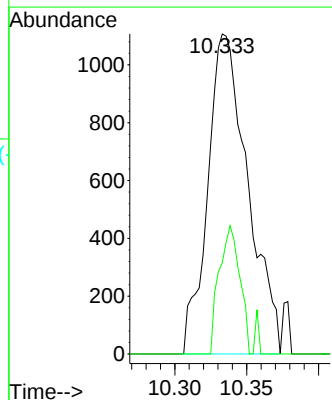
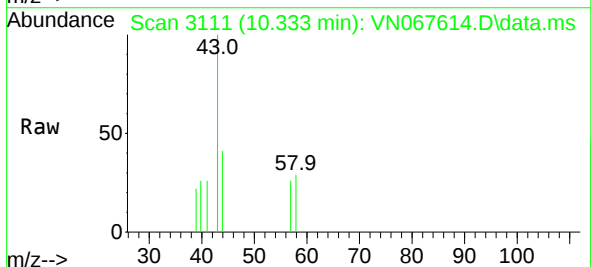
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

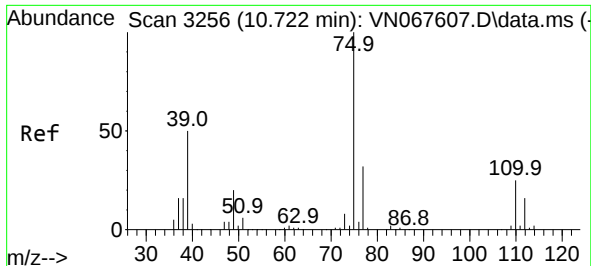
Tgt Ion: 98 Resp: 844646
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
58 20.6 28.6 43.0#

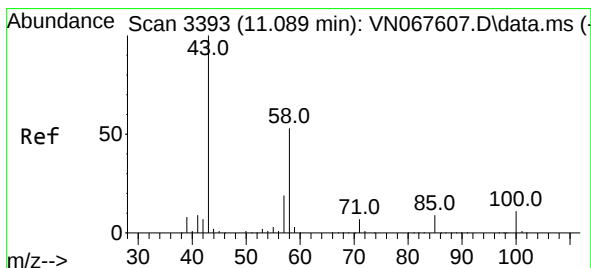
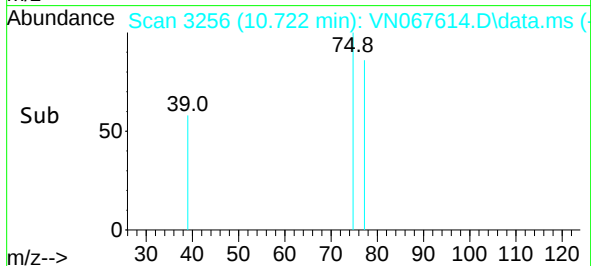
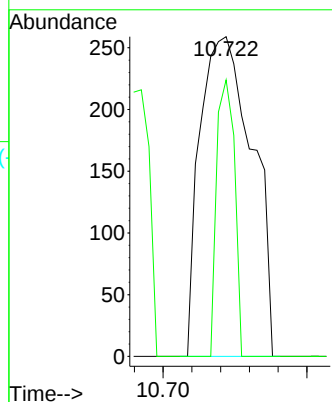
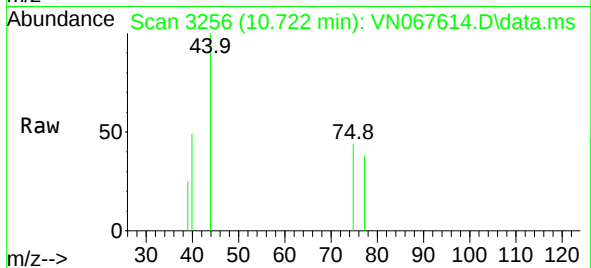




#53
t-1,3-Dichloropropene
Concen: 1.759 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. -0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

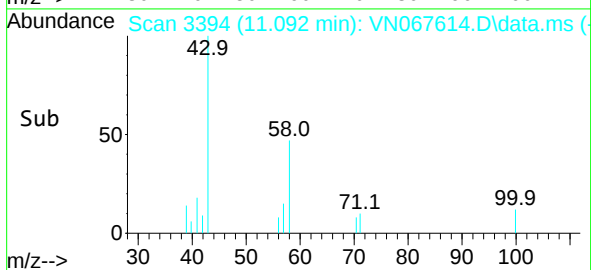
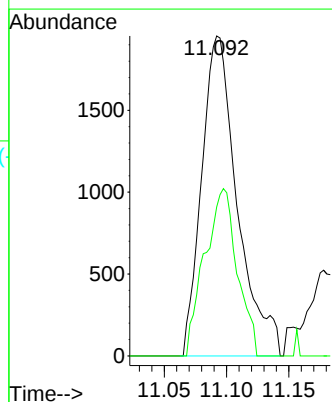
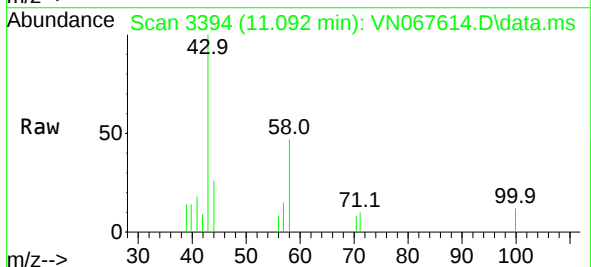
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

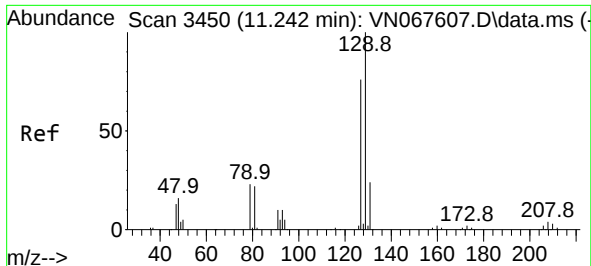
Tgt Ion: 75 Resp: 327
Ion Ratio Lower Upper
75 100
77 86.5 25.1 37.7#



#59
2-Hexanone
Concen: 0.873 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 43 Resp: 3886
Ion Ratio Lower Upper
43 100
58 47.7 24.7 74.1

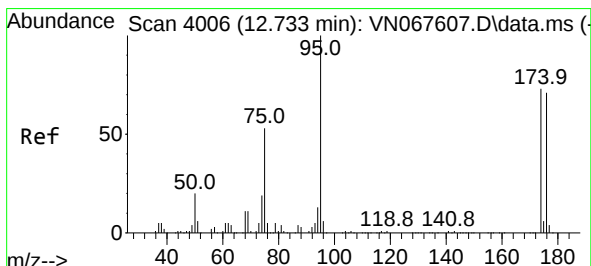
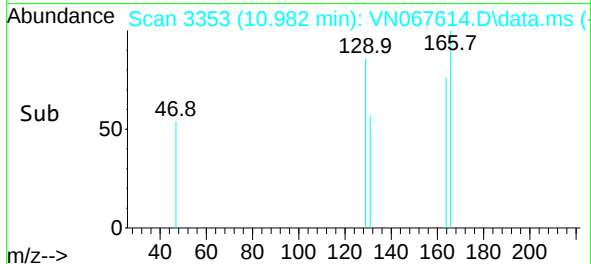
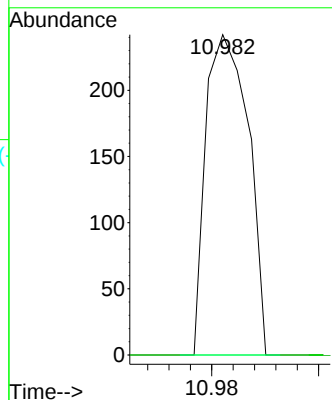
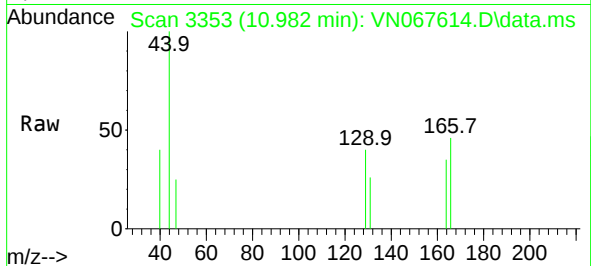




#60
Dibromochloromethane
Concen: 2.070 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

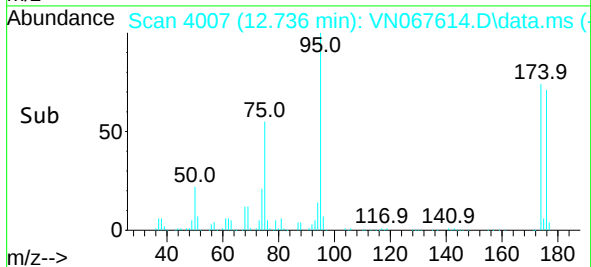
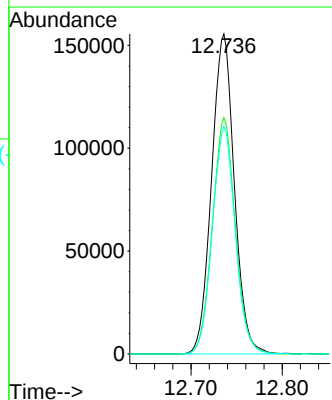
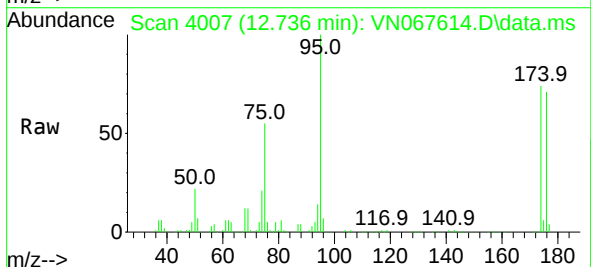
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

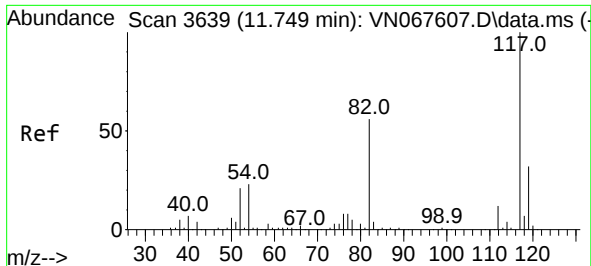
Tgt Ion:129 Resp: 133
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 44.054 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 95 Resp: 269999
Ion Ratio Lower Upper
95 100
174 74.4 0.0 122.0
176 71.4 0.0 117.6

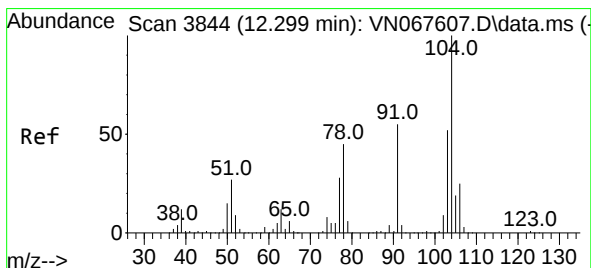
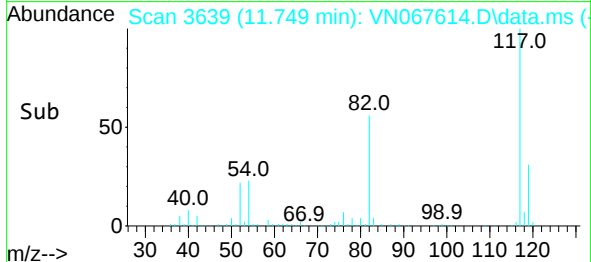
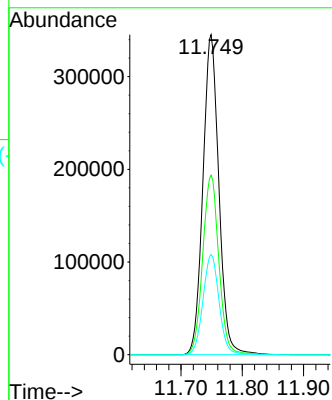
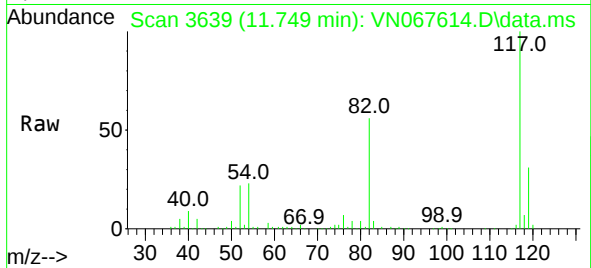




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

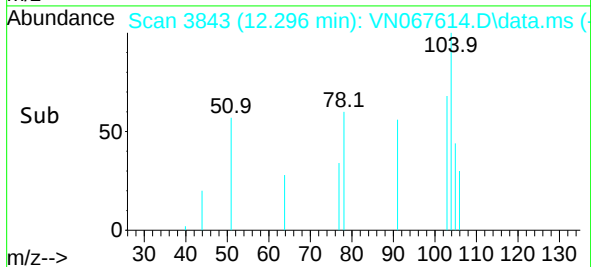
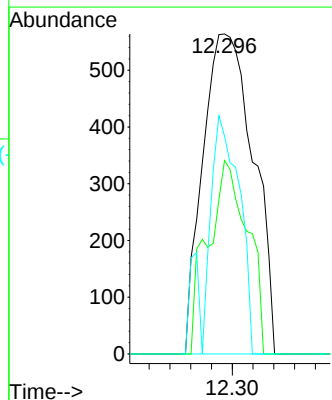
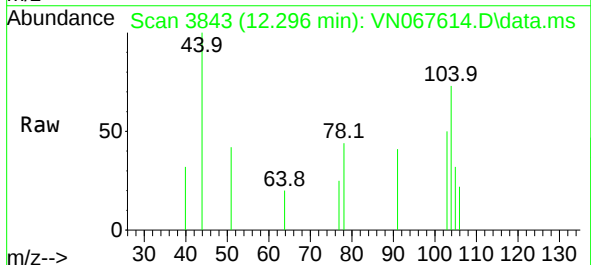
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

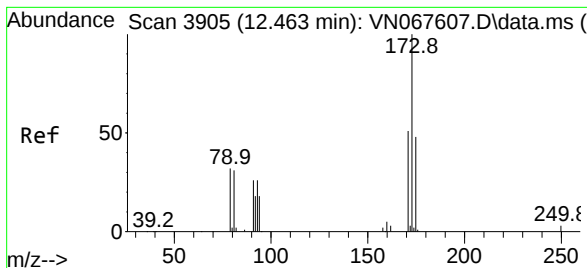
Tgt Ion:117 Resp: 623810
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 31.3 25.5 38.3



#70
Styrene
Concen: 1.403 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. -0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion:104 Resp: 953
Ion Ratio Lower Upper
104 100
78 47.7 48.2 72.2#
103 41.3 44.5 66.7#





#71

Bromoform

Concen: 3.386 ug/l

RT: 12.720 min Scan# 4001

Delta R.T. 0.257 min

Lab File: VN067614.D

Acq: 2 Jul 2021 14:04

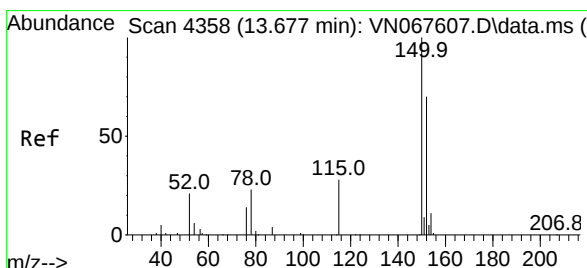
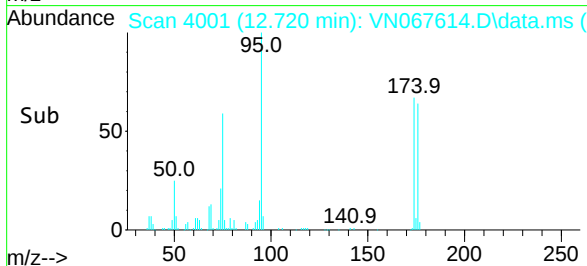
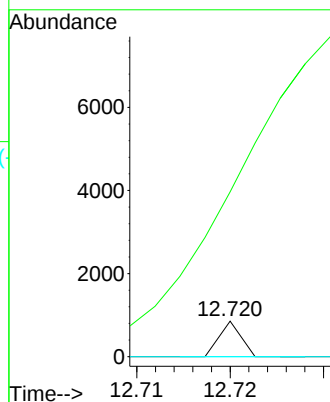
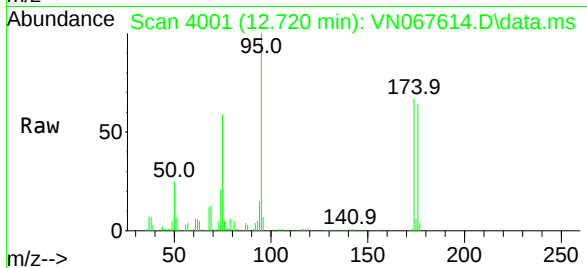
Tgt Ion:173 Resp: 138

Ion Ratio Lower Upper

173 100

175 10737.7 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.677 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN067614.D

Acq: 2 Jul 2021 14:04

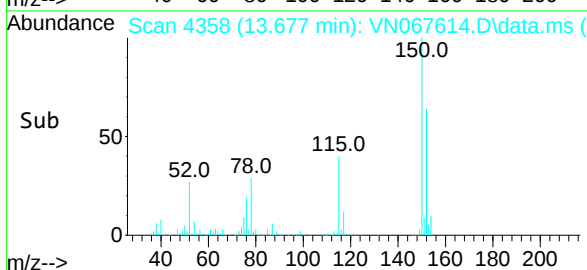
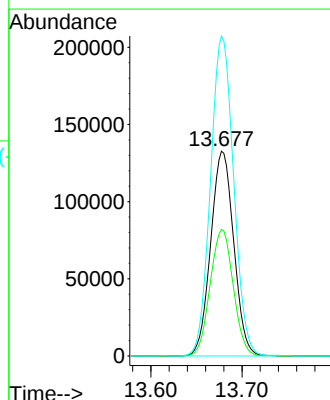
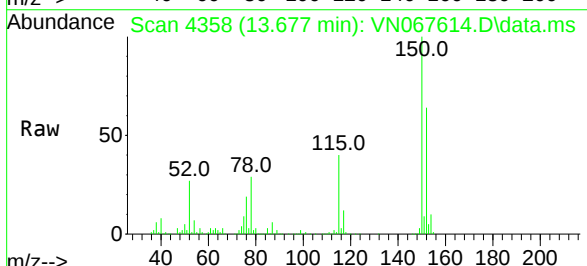
Tgt Ion:152 Resp: 232936

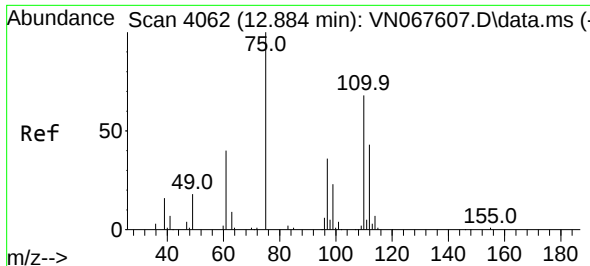
Ion Ratio Lower Upper

152 100

115 61.8 36.1 108.5

150 156.6 0.0 351.8

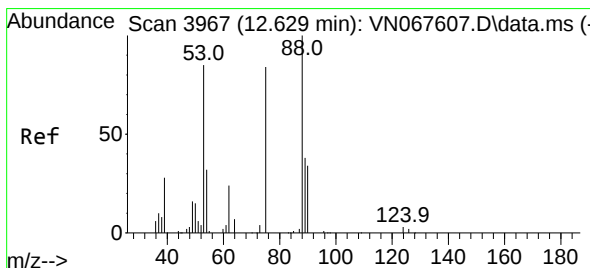
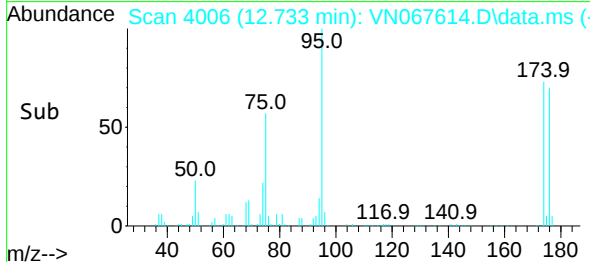
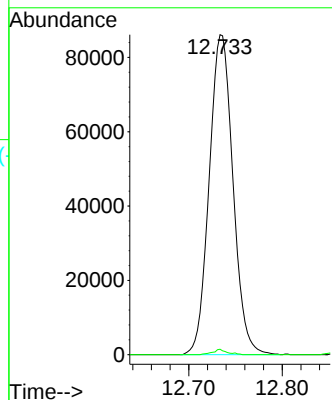
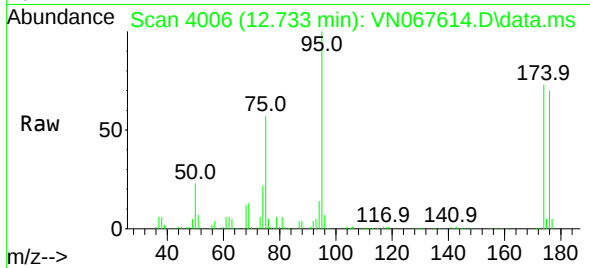




#76
1,2,3-Trichloropropane
Concen: 32.699 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

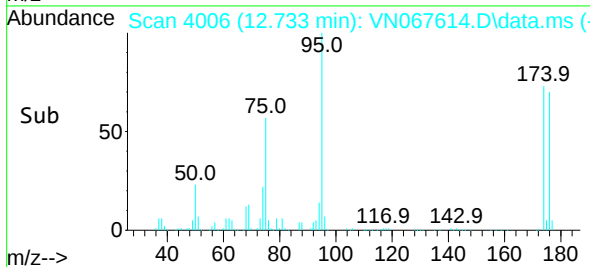
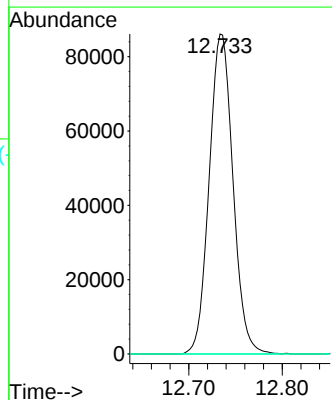
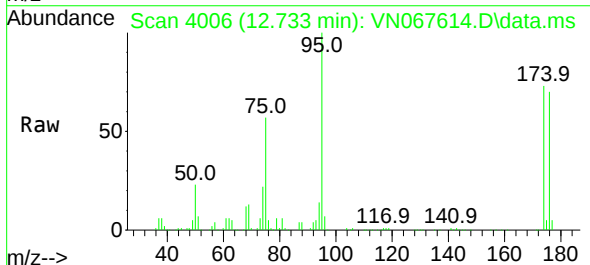
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

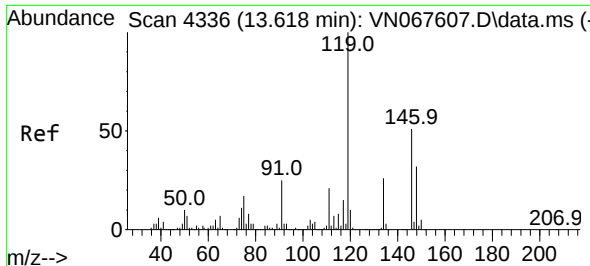
Tgt Ion: 75 Resp: 152335
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.603 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion: 75 Resp: 152335
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

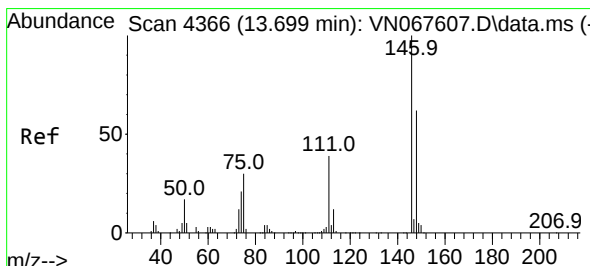
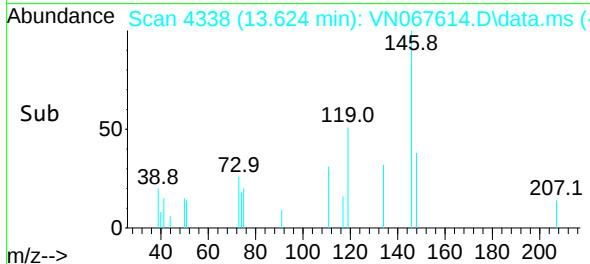
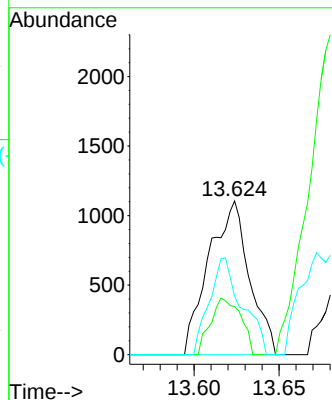
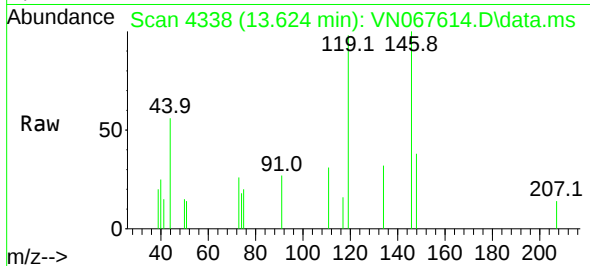




#87
1,3-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. 0.006 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

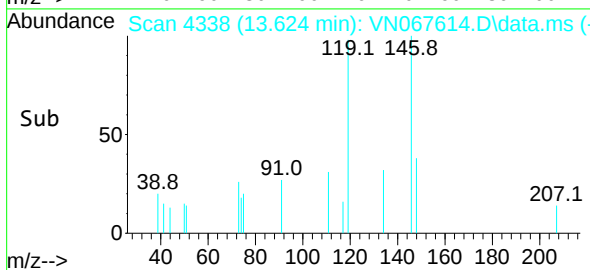
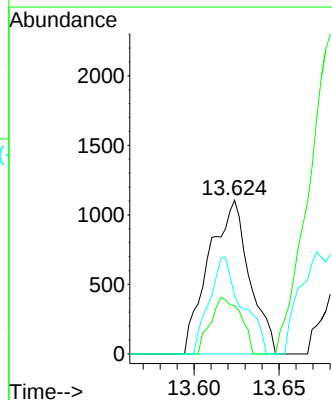
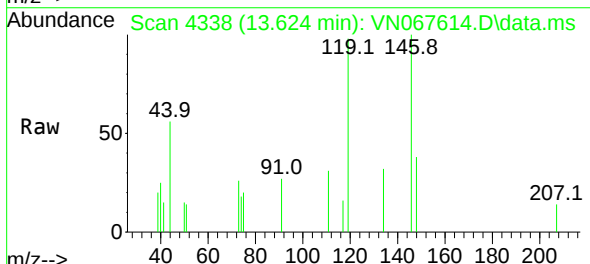
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

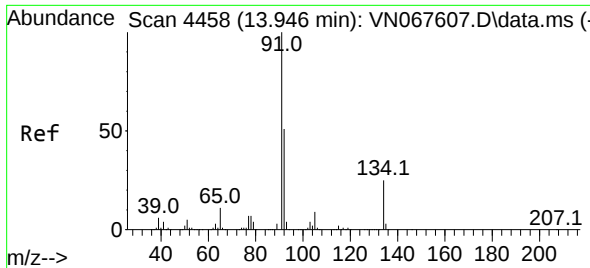
Tgt Ion:146 Resp: 1839
Ion Ratio Lower Upper
146 100
111 27.2 24.3 72.8
148 50.7 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.235 ug/l
RT: 13.624 min Scan# 4338
Delta R.T. -0.075 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion:146 Resp: 1839
Ion Ratio Lower Upper
146 100
111 27.2 23.4 70.2
148 50.7 31.8 95.3

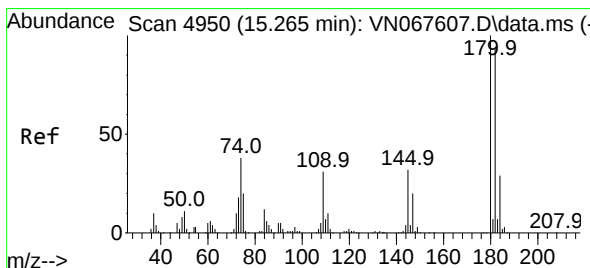
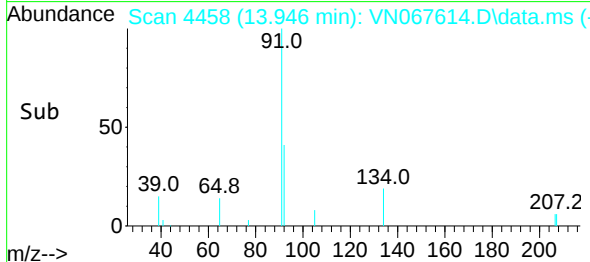
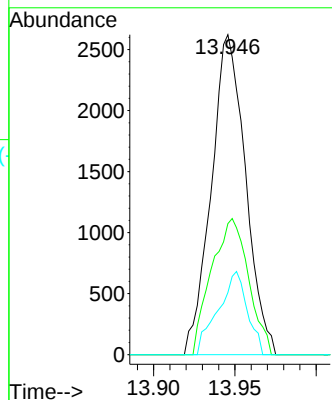
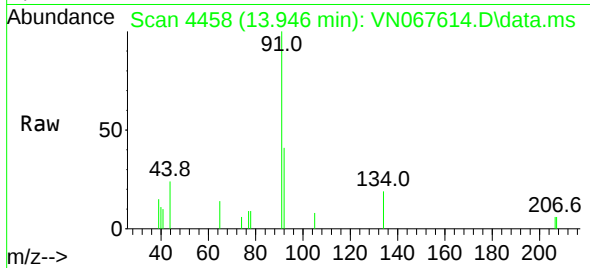




#89
n-Butylbenzene
Concen: 0.317 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

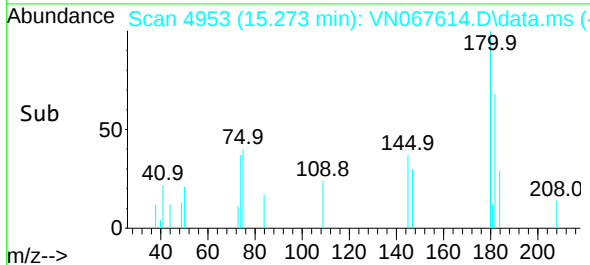
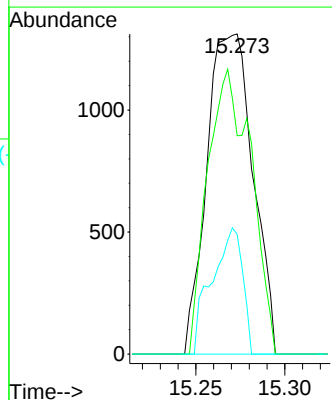
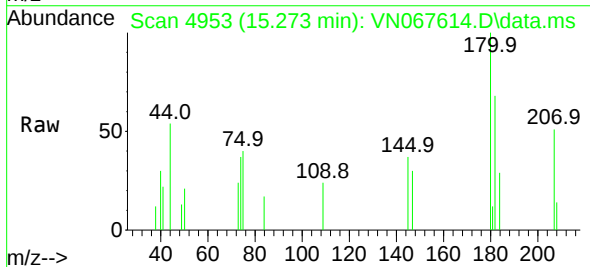
Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

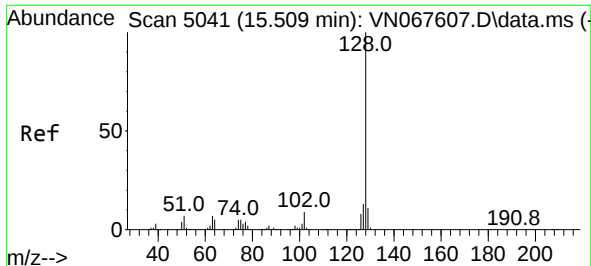
Tgt Ion: 91 Resp: 3842
Ion Ratio Lower Upper
91 100
92 46.1 25.7 77.1
134 22.1 11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 0.730 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion:180 Resp: 2368
Ion Ratio Lower Upper
180 100
182 84.1 47.5 142.5
145 26.3 17.2 51.6

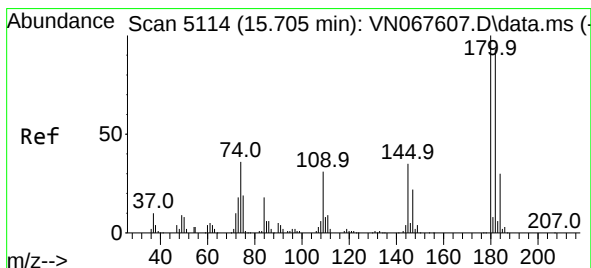
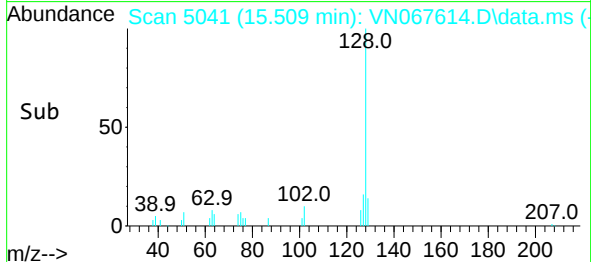
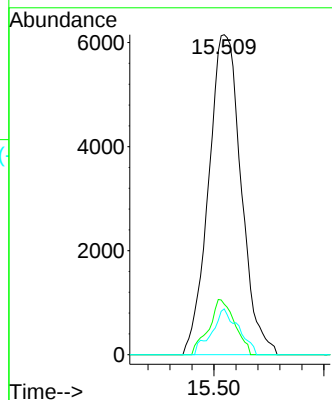
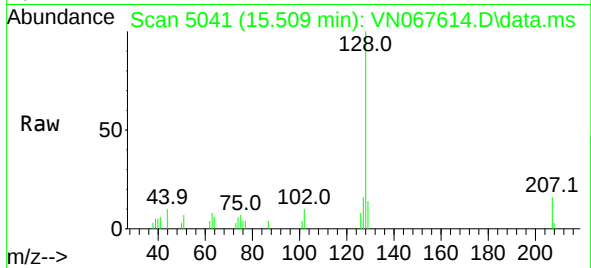




#95
Naphthalene
Concen: 5.602 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBL01

Tgt Ion:	128	Resp:	12639
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.956 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.003 min
Lab File: VN067614.D
Acq: 2 Jul 2021 14:04

Tgt Ion:	180	Resp:	2869
Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	35.7	18.2	54.6

