

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067150.D
 Acq On : 19 May 2021 14:43
 Operator : JC/MD
 Sample : M2420-06
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:55:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

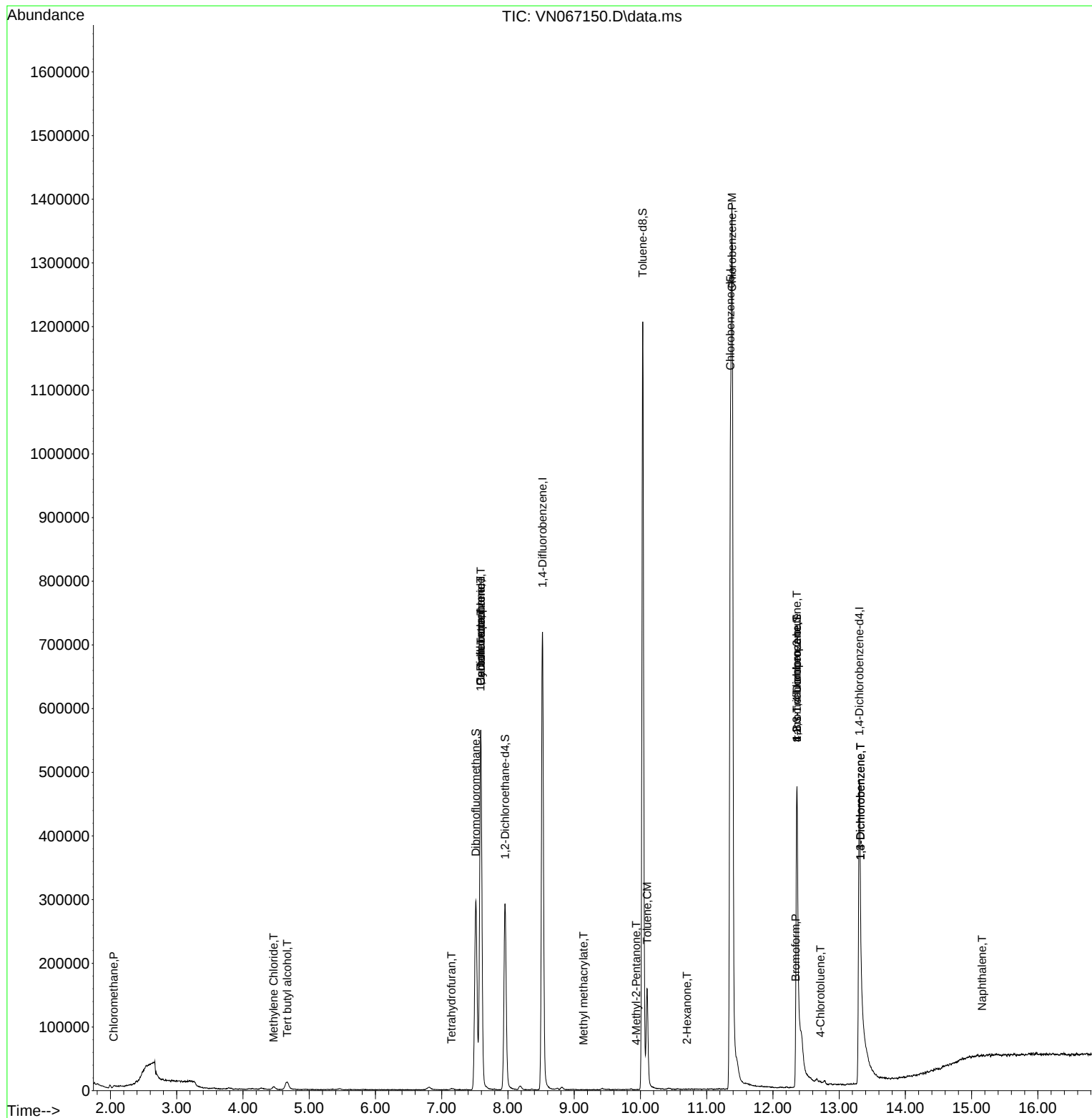
Internal Standards						
1) Pentafluorobenzene	7.589	168	544838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.522	114	755793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	646567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	274584	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	260160	44.20	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.40%		
35) Dibromofluoromethane	7.516	113	246517	49.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.34%		
50) Toluene-d8	10.035	98	925521	49.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.42%		
62) 4-Bromofluorobenzene	12.363	95	232877	36.96	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	73.92%		
Target Compounds						Qvalue
3) Chloromethane	2.048	50	1696	0.28	ug/l	97
11) Tert butyl alcohol	4.668	59	11539	11.76	ug/l #	90
13) Acrolein	3.550	56	1416	Below Cal	#	36
20) Methylene Chloride	4.462	84	1857	0.39	ug/l #	94
29) Tetrahydrofuran	7.146	42	707	0.40	ug/l	90
31) Cyclohexane	7.589	56	7678	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.586	75	30772	4.46	ug/l #	47
38) Carbon Tetrachloride	7.589	117	44330	6.04	ug/l #	15
48) Methyl methacrylate	9.139	41	124	1.97	ug/l #	29
51) 4-Methyl-2-Pentanone	9.936	43	167	5.43	ug/l #	33
52) Toluene	10.102	92	71251	5.27	ug/l	98
59) 2-Hexanone	10.703	43	254	21.98	ug/l #	21
65) Chlorobenzene	11.384	112	889090	61.66	ug/l	100
71) Bromoform	12.341	173	29	1.77	ug/l #	1
76) 1,2,3-Trichloropropane	12.363	75	105227	18.16	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.363	75	105227	55.31	ug/l #	15
82) 4-Chlorotoluene	12.717	91	317	1.20	ug/l #	39
87) 1,3-Dichlorobenzene	13.323	146	9944	1.07	ug/l	92
88) 1,4-Dichlorobenzene	13.323	146	9944	1.03	ug/l	92
95) Naphthalene	15.157	128	1166	3.35	ug/l #	69

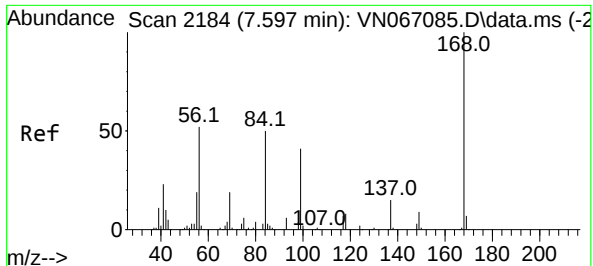
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: May 20 01:55:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
Quant Title : SW846 8260
QLast Update : Tue May 18 04:00:15 2021
Response via : Initial Calibration

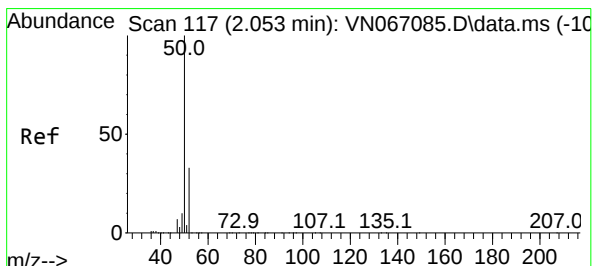
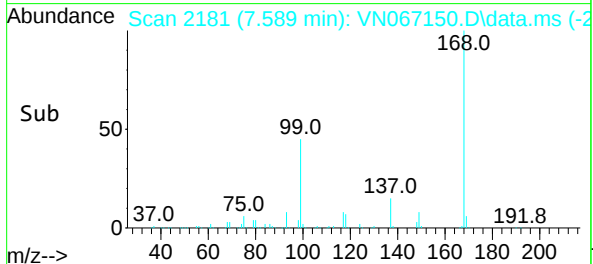
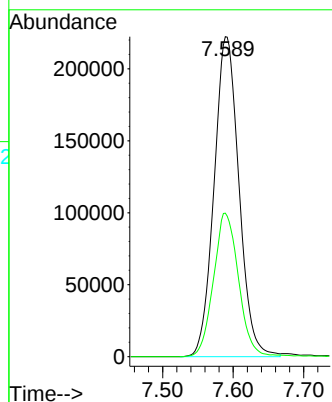
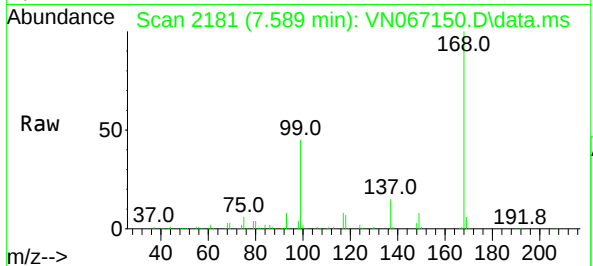




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2181
Delta R.T. -0.008 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

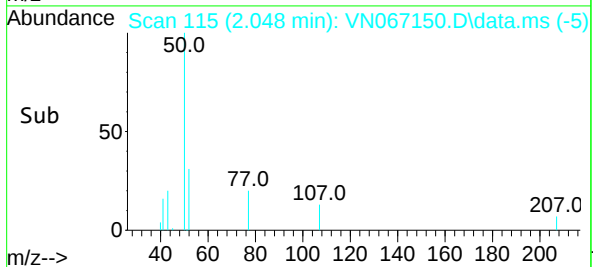
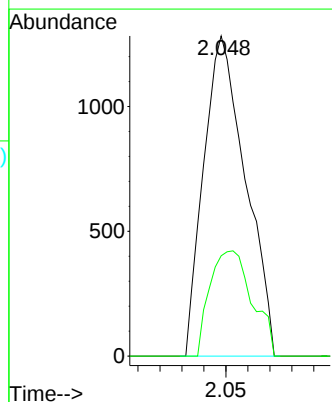
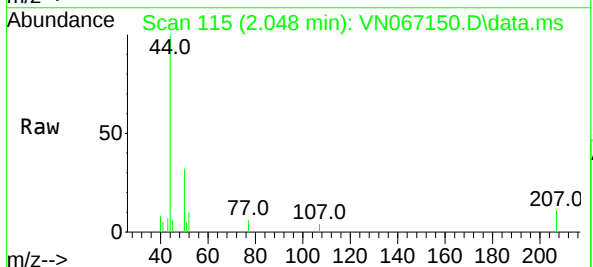
Instrument :
MSVOA_N
ClientSampled :

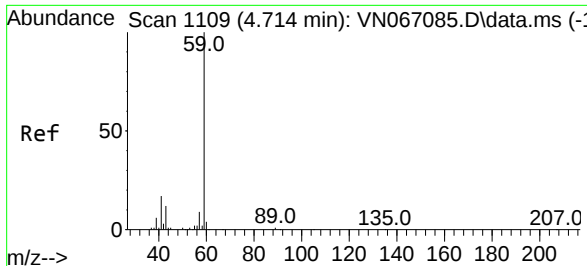
Tgt Ion:168 Resp: 544838
Ion Ratio Lower Upper
168 100
99 44.9 38.5 57.7



#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.048 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 50 Resp: 1696
Ion Ratio Lower Upper
50 100
52 31.3 26.5 39.7

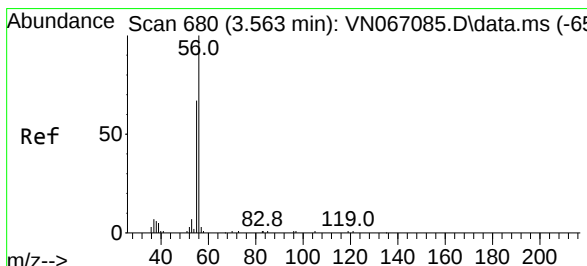
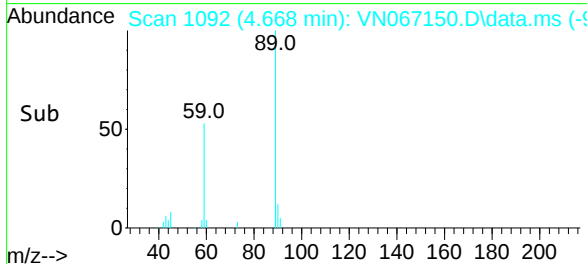
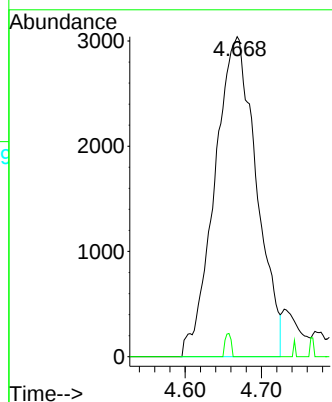
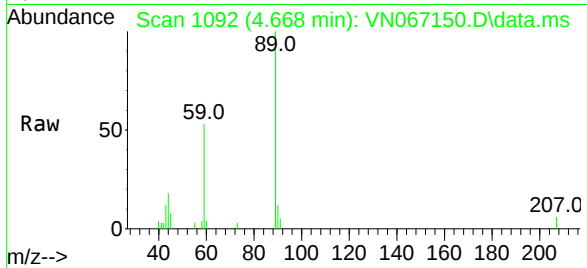




#11
Tert butyl alcohol
Concen: 11.76 ug/l
RT: 4.668 min Scan# 1092
Delta R.T. -0.046 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

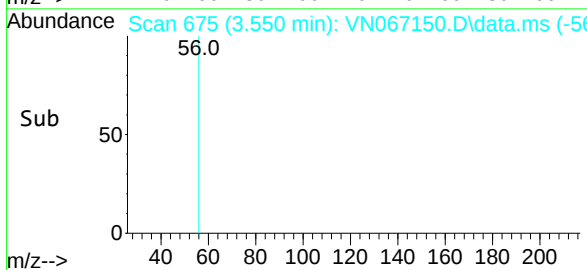
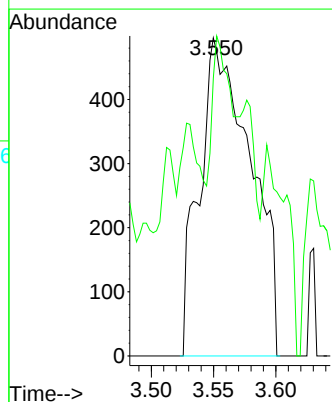
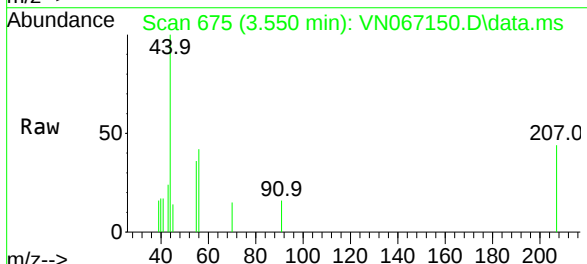
Instrument :
MSVOA_N
ClientSampled :

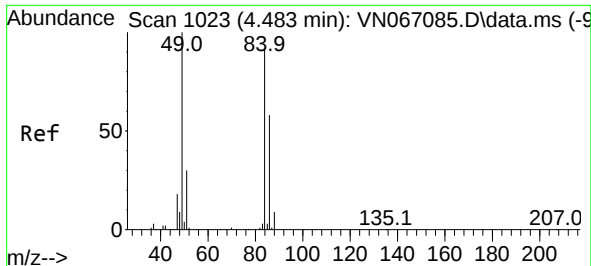
Tgt Ion: 59 Resp: 11539
Ion Ratio Lower Upper
59 100
57 1.0 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.550 min Scan# 675
Delta R.T. -0.013 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

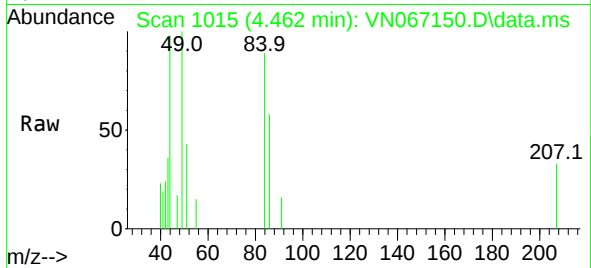
Tgt Ion: 56 Resp: 1416
Ion Ratio Lower Upper
56 100
55 15.8 53.8 80.6#



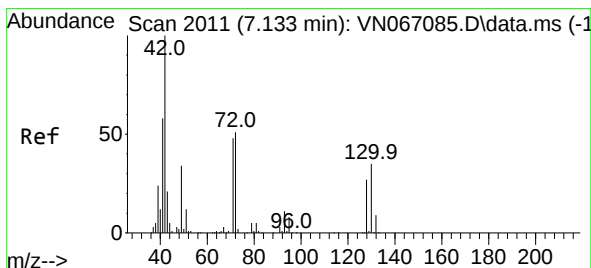
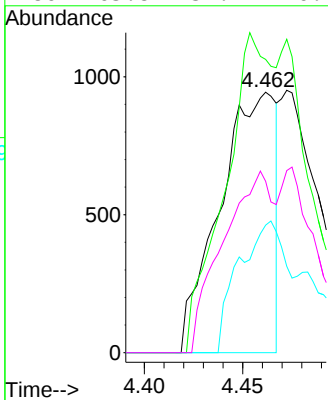
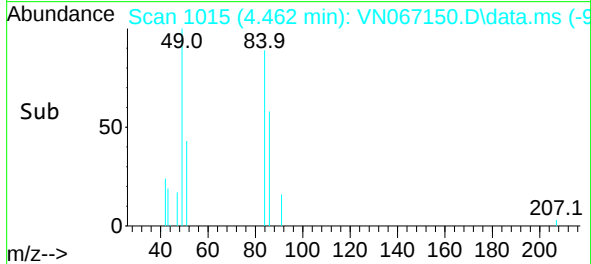


#20
Methylene Chloride
Concen: 0.39 ug/l
RT: 4.462 min Scan# 1015
Delta R.T. -0.021 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

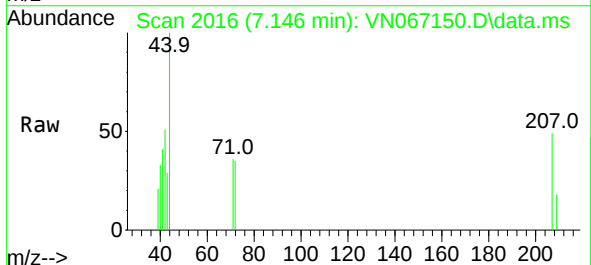
Instrument :
MSVOA_N
ClientSampled :



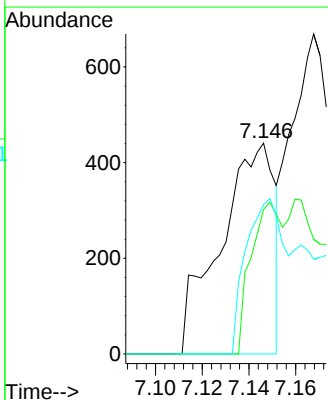
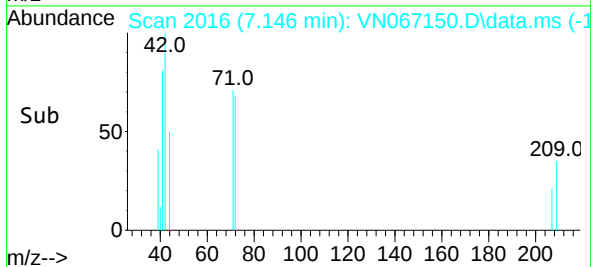
Tgt Ion: 84 Resp: 1857
Ion Ratio Lower Upper
84 100
49 112.6 88.3 132.5
51 48.9 26.7 40.1#
86 65.8 51.1 76.7

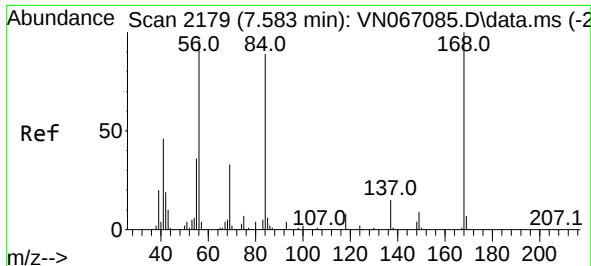


#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.146 min Scan# 2016
Delta R.T. 0.013 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43



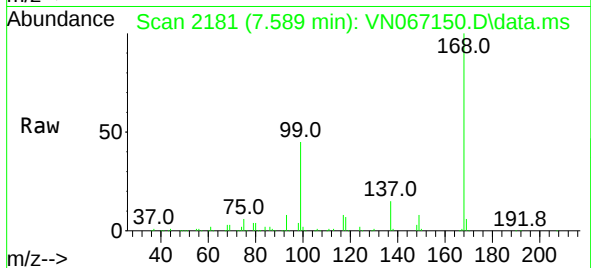
Tgt Ion: 42 Resp: 707
Ion Ratio Lower Upper
42 100
72 40.9 40.1 60.1
71 51.6 37.9 56.9



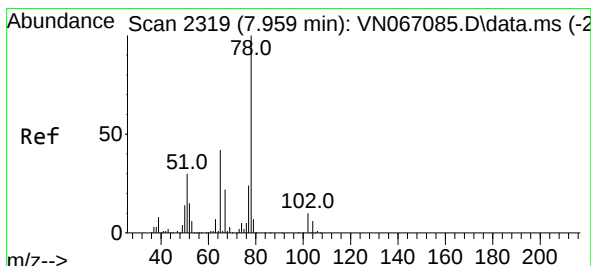
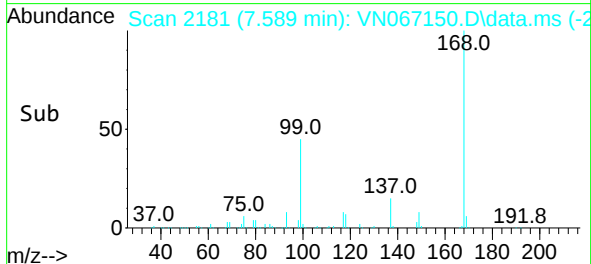
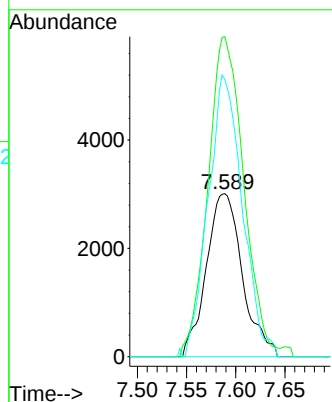


#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.589 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Instrument :
MSVOA_N
ClientSampleId :

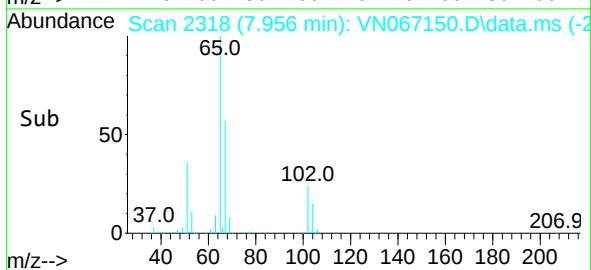
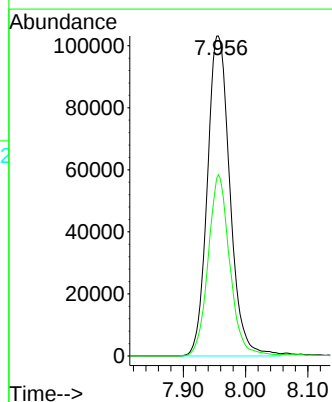
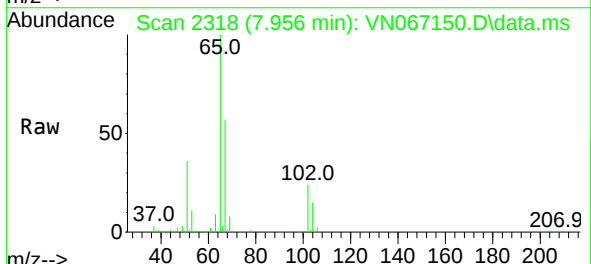


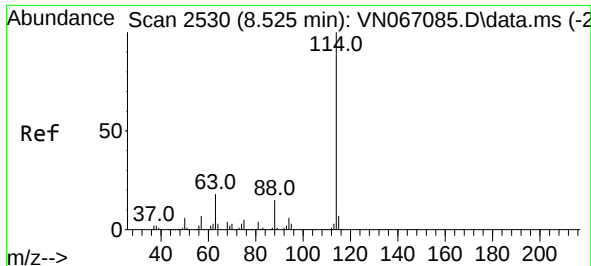
Tgt Ion: 56 Resp: 7678
Ion Ratio Lower Upper
56 100
69 196.3 28.0 42.0#
84 170.0 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 44.20 ug/l
RT: 7.956 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 65 Resp: 260160
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.4

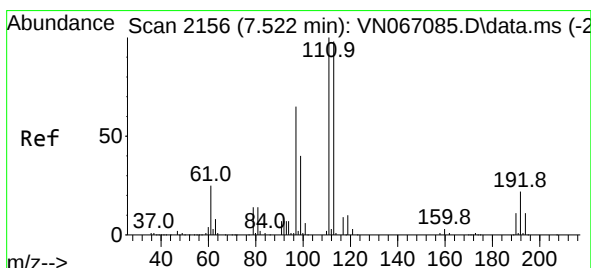
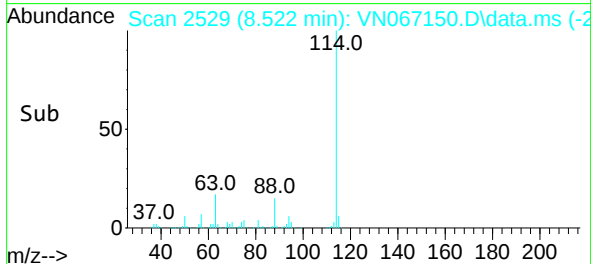
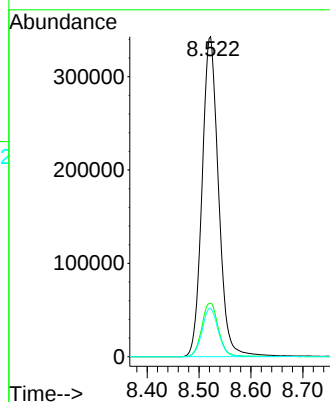
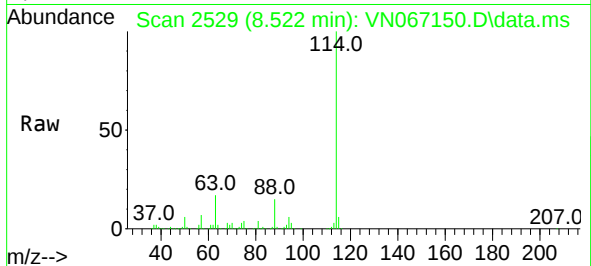




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.522 min Scan# 2529
Delta R.T. -0.003 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

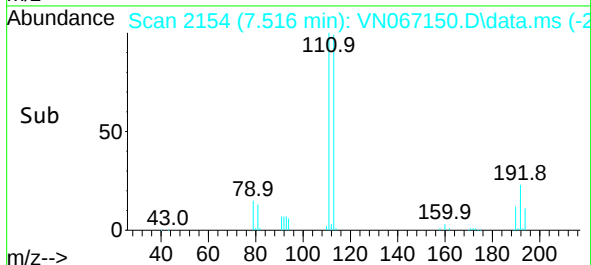
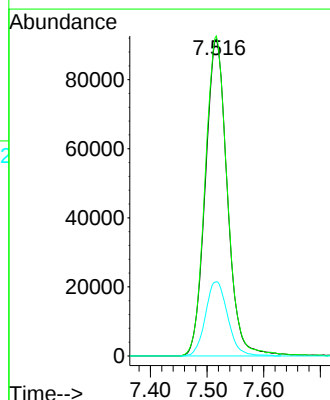
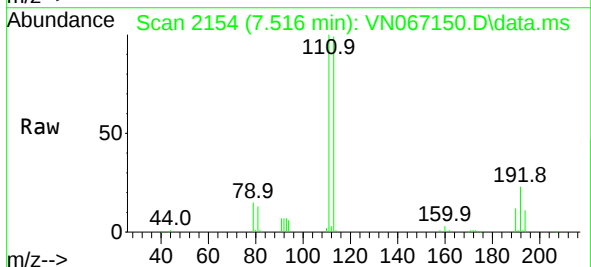
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MSVOA_N
ClientSampleId :

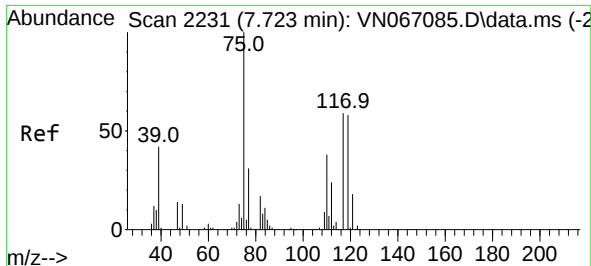
Tgt Ion:114 Resp: 755793
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.8
88 15.1 0.0 30.4



#35
Dibromofluoromethane
Concen: 49.67 ug/l
RT: 7.516 min Scan# 2154
Delta R.T. -0.006 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion:113 Resp: 246517
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 23.9 18.2 27.4

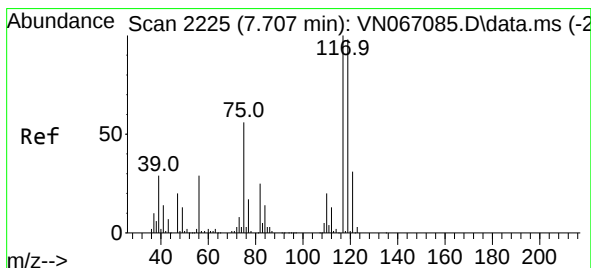
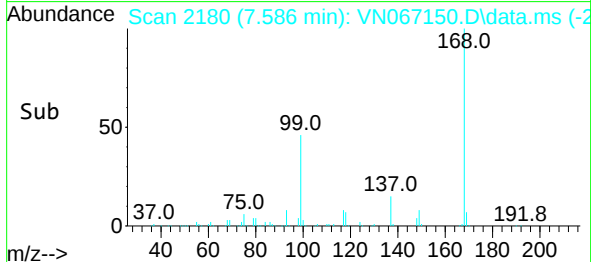
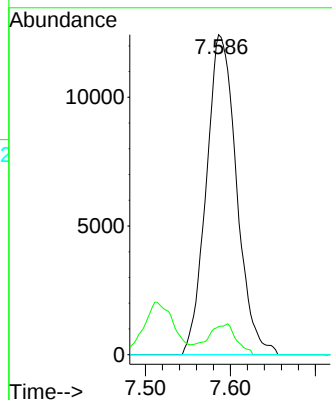
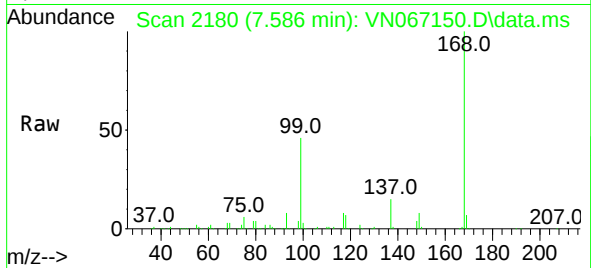




#36
1,1-Dichloropropene
Concen: 4.46 ug/l
RT: 7.586 min Scan# 2180
Delta R.T. -0.137 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

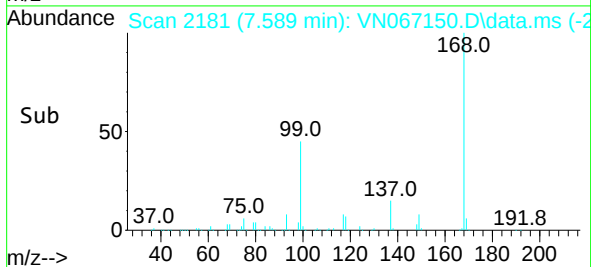
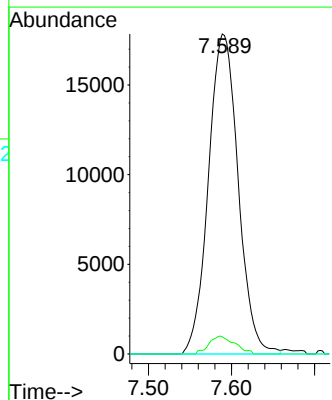
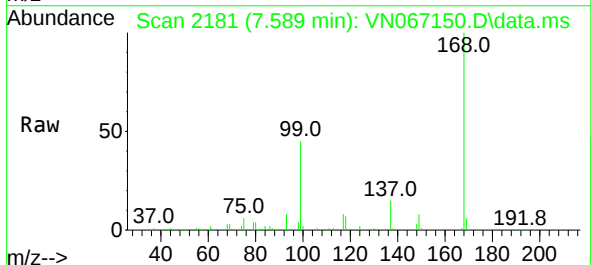
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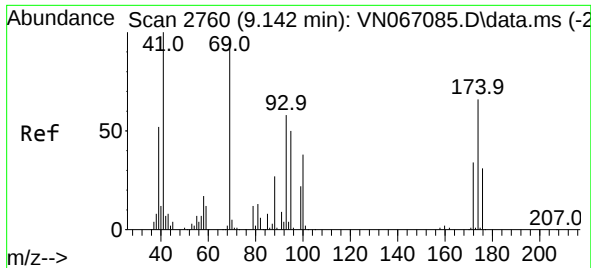
Tgt Ion: 75 Resp: 30772
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.589 min Scan# 2181
Delta R.T. -0.118 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

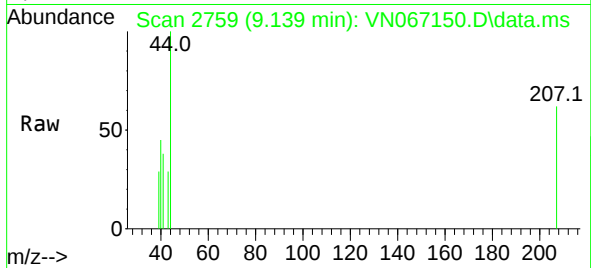
Tgt Ion: 117 Resp: 44330
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.7 37.1#



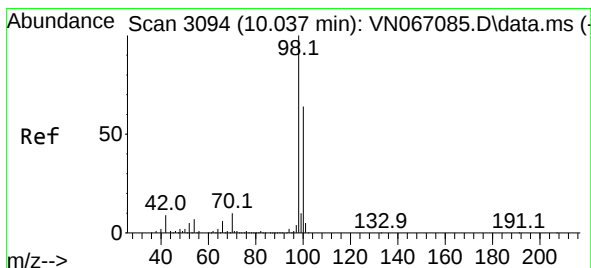
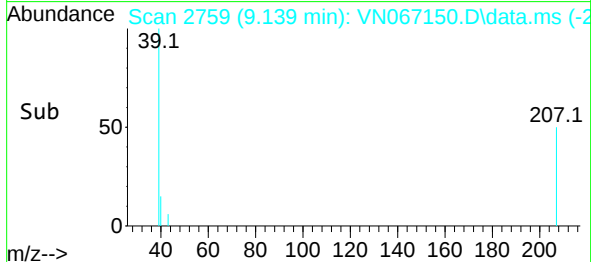
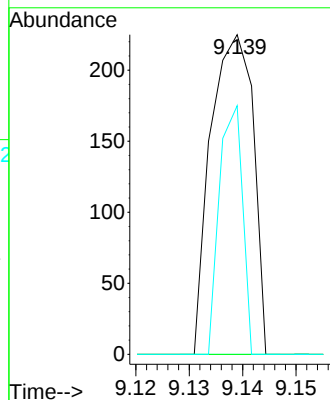


#48
Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.139 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Instrument :
MSVOA_N
ClientSampleId :

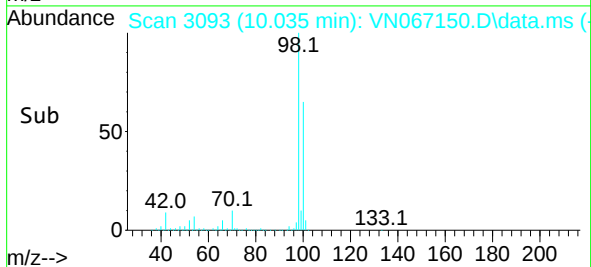
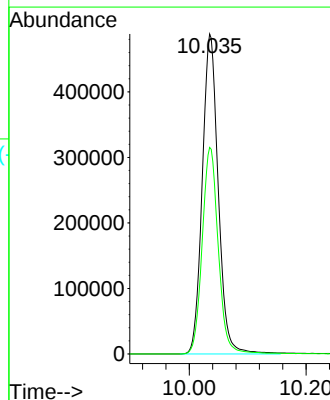
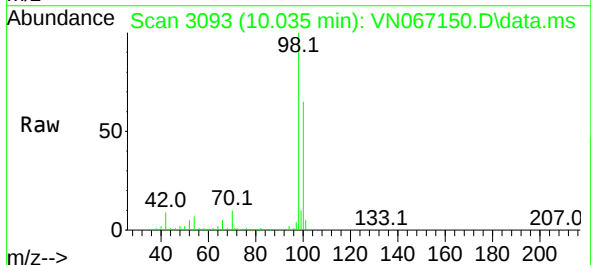


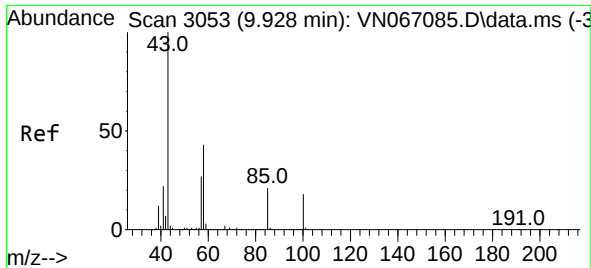
Tgt Ion: 41 Resp: 124
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 42.7 41.4 62.0



#50
Toluene-d8
Concen: 49.21 ug/l
RT: 10.035 min Scan# 3093
Delta R.T. -0.002 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 98 Resp: 925521
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

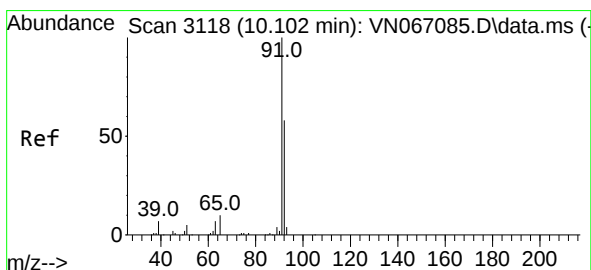
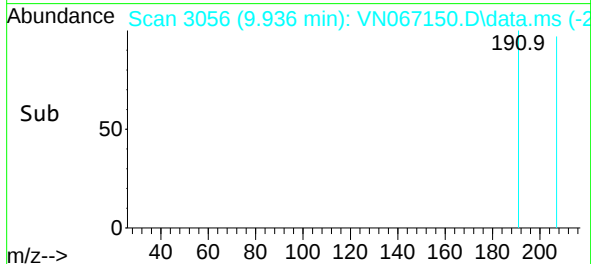
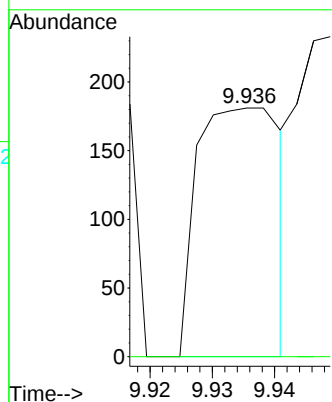
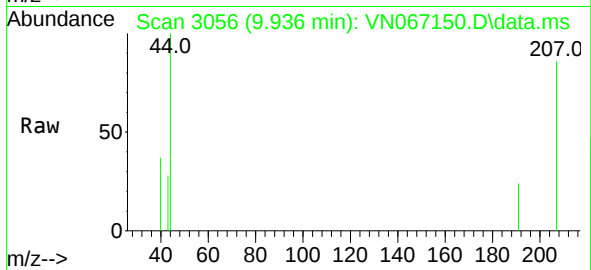




#51
4-Methyl-2-Pentanone
Concen: 5.43 ug/l
RT: 9.936 min Scan# 3056
Delta R.T. 0.008 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

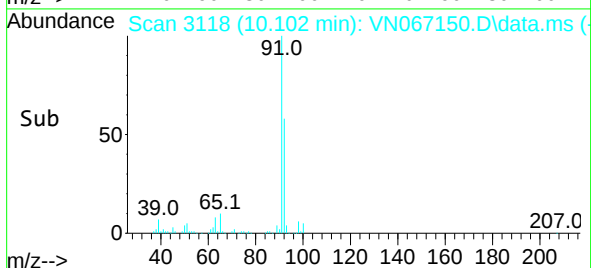
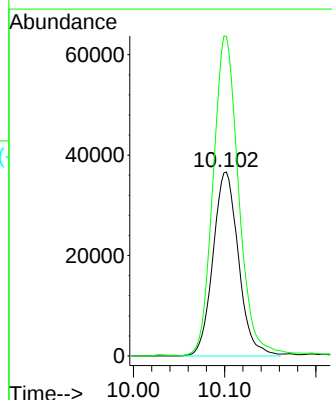
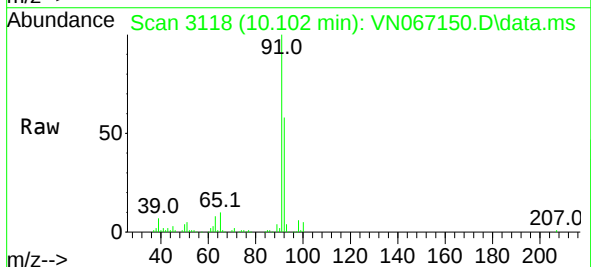
Instrument :
MSVOA_N
ClientSampled :

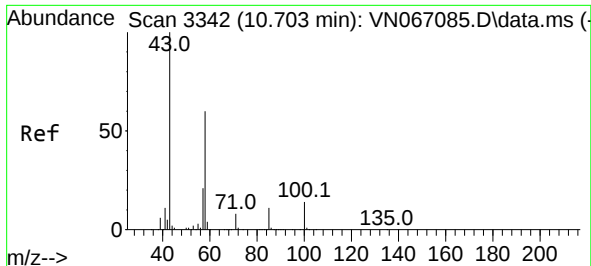
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#



#52
Toluene
Concen: 5.27 ug/l
RT: 10.102 min Scan# 3118
Delta R.T. -0.000 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 92 Resp: 71251
Ion Ratio Lower Upper
92 100
91 175.7 138.7 208.1

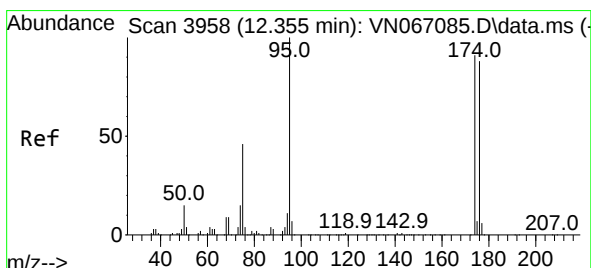
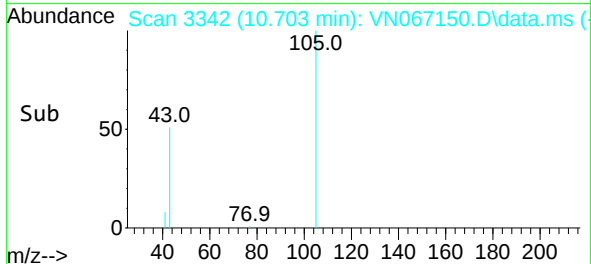
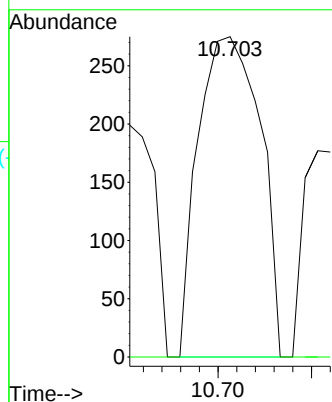
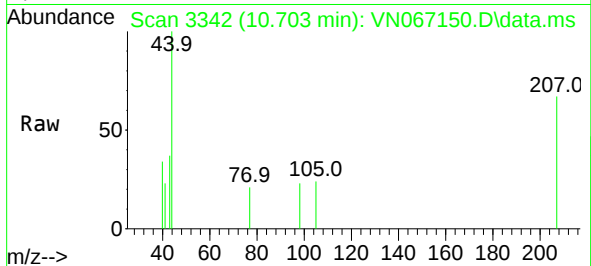




#59
2-Hexanone
Concen: 21.98 ug/l
RT: 10.703 min Scan# 3342
Delta R.T. -0.000 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

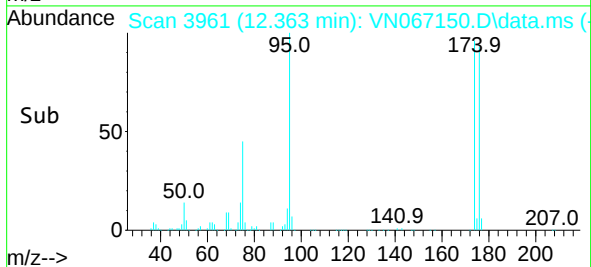
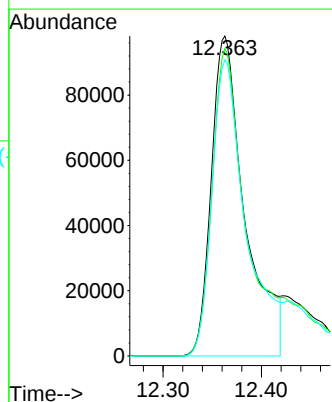
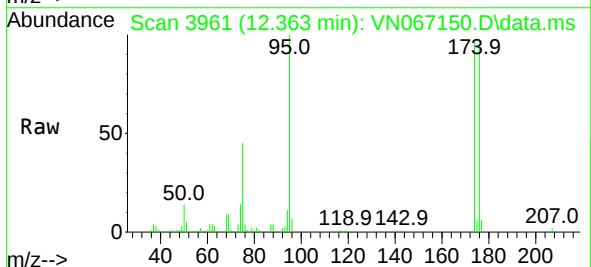
Instrument :
MSVOA_N
ClientSampled :

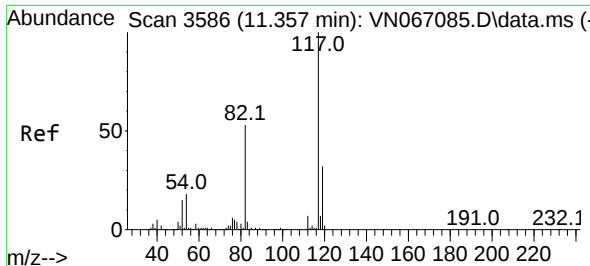
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 36.96 ug/l
RT: 12.363 min Scan# 3961
Delta R.T. 0.008 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 95 Resp: 232877
Ion Ratio Lower Upper
95 100
174 118.6 0.0 182.8
176 94.1 0.0 176.6

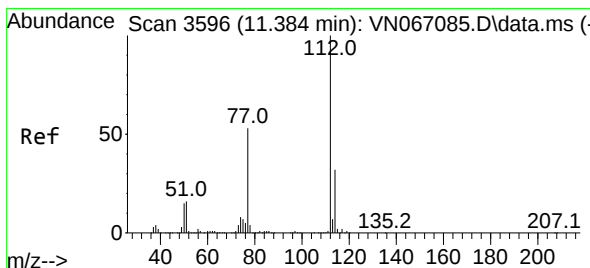
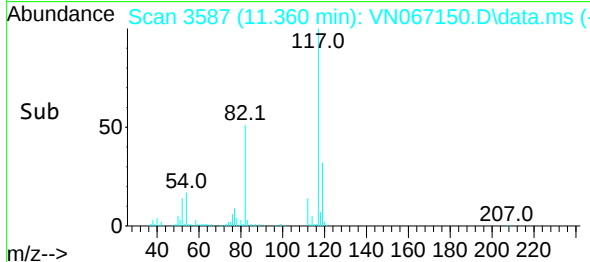
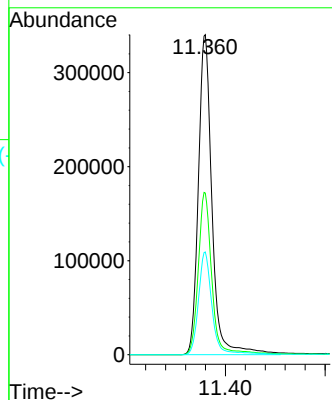
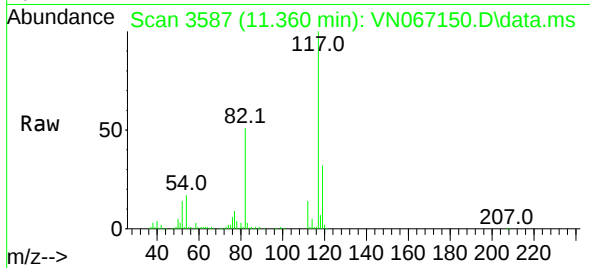




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

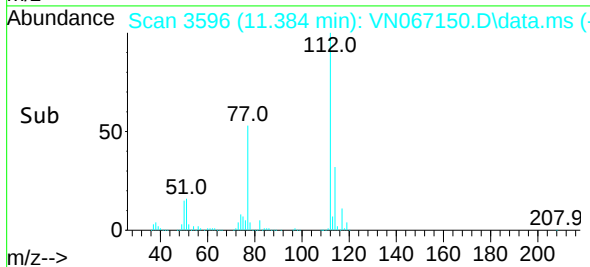
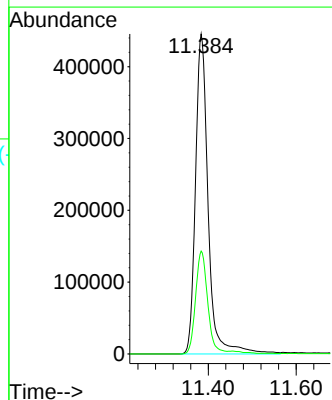
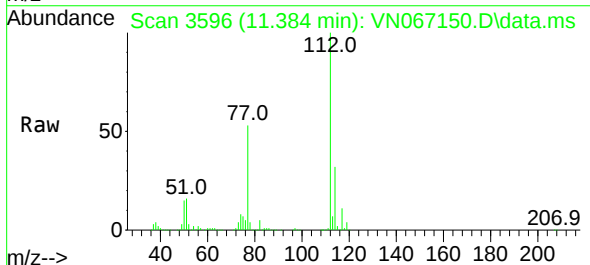
Instrument :
MSVOA_N
ClientSampleId :

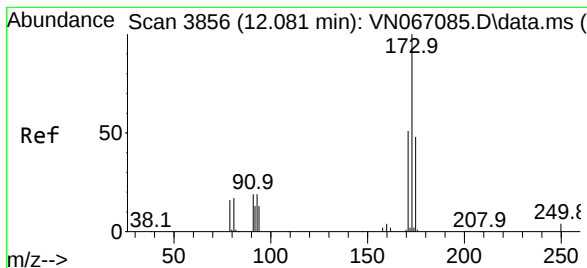
Tgt Ion:117 Resp: 646567
Ion Ratio Lower Upper
117 100
82 50.5 42.2 63.2
119 32.1 25.8 38.6



#65
Chlorobenzene
Concen: 61.66 ug/l
RT: 11.384 min Scan# 3596
Delta R.T. -0.000 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion:112 Resp: 889090
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4





#71

Bromoform

Concen: 1.77 ug/l

RT: 12.341 min Scan# 3953

Delta R.T. 0.260 min

Lab File: VN067150.D

Acq: 19 May 2021 14:43

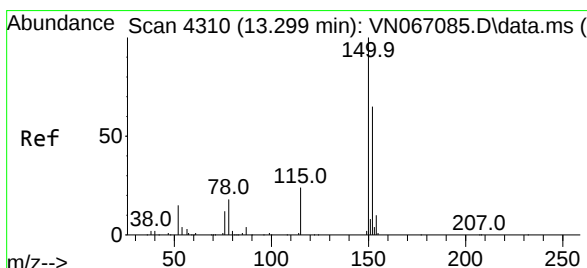
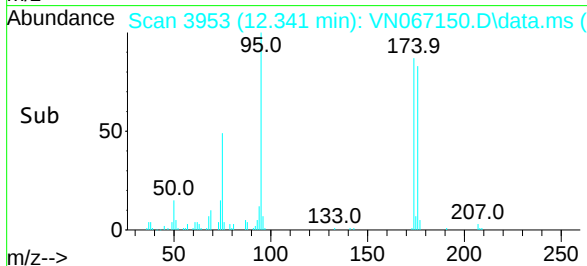
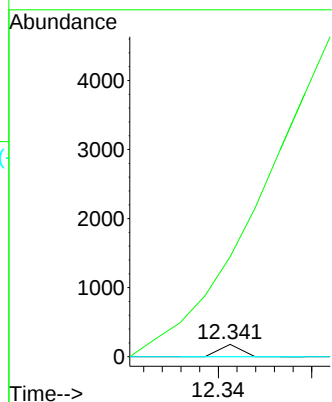
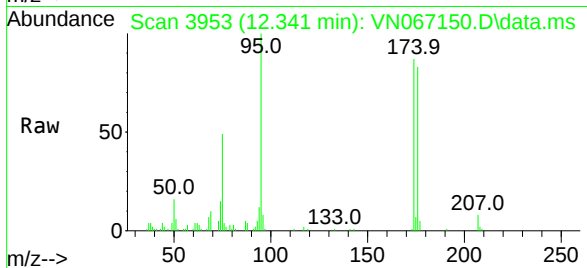
Tgt Ion:173 Resp: 29

Ion Ratio Lower Upper

173 100

175 32158.6 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.304 min Scan# 4312

Delta R.T. 0.005 min

Lab File: VN067150.D

Acq: 19 May 2021 14:43

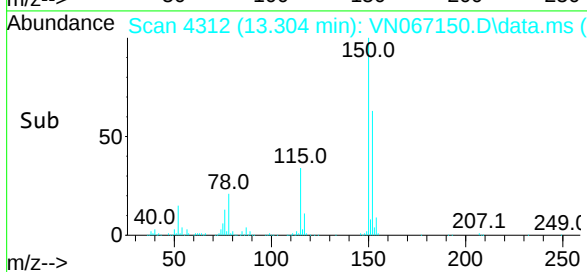
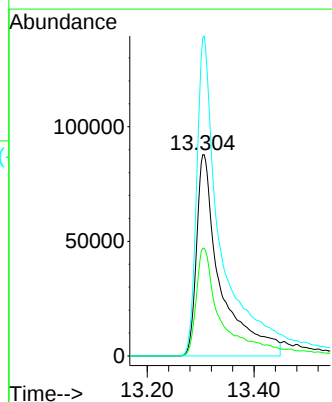
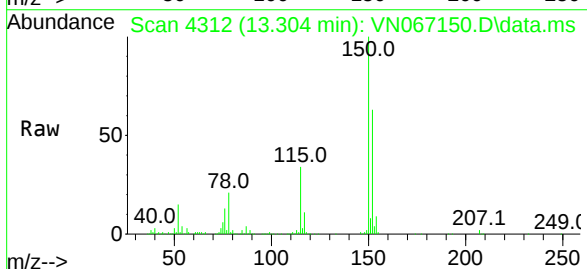
Tgt Ion:152 Resp: 274584

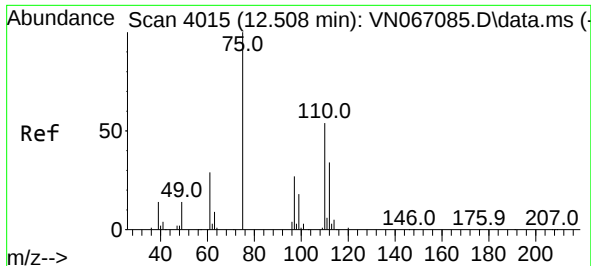
Ion Ratio Lower Upper

152 100

115 55.3 27.0 80.8

150 163.0 0.0 350.2

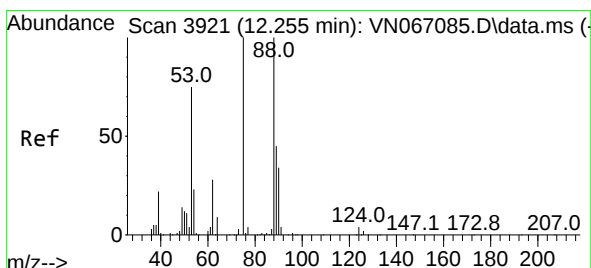
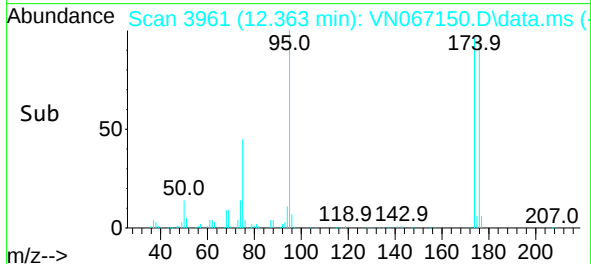
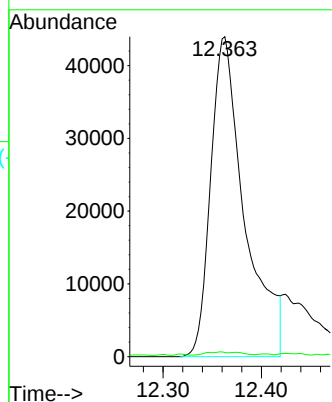
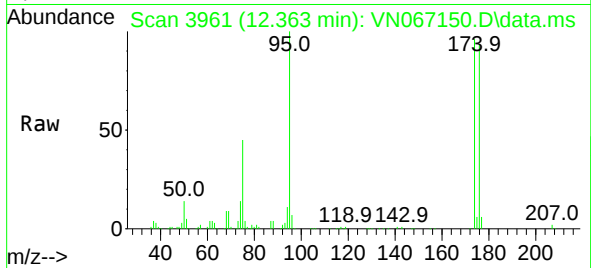




#76
1,2,3-Trichloropropane
Concen: 18.16 ug/l
RT: 12.363 min Scan# 3961
Delta R.T. -0.145 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

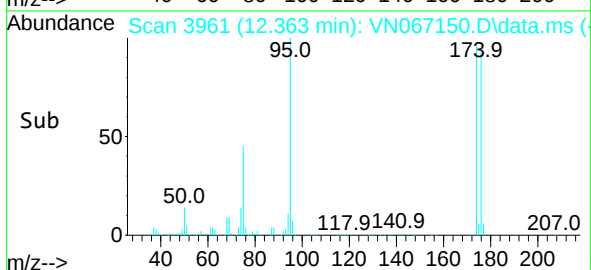
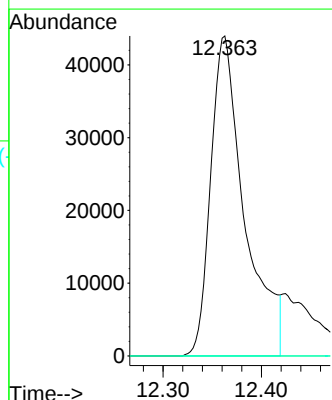
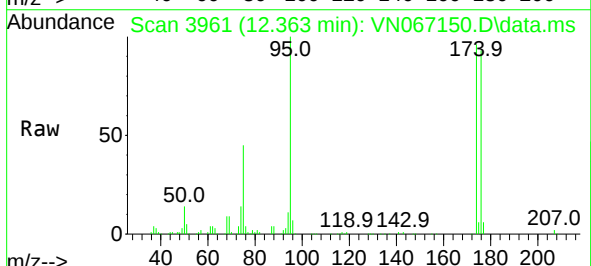
Instrument :
MSVOA_N
ClientSampleId :

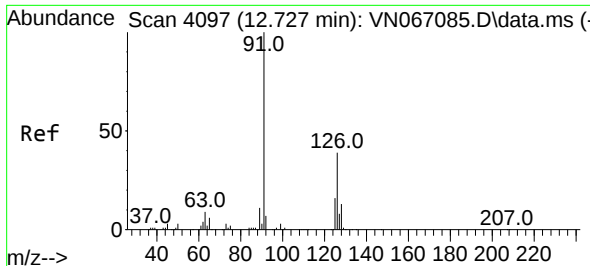
Tgt Ion: 75 Resp: 105227
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.31 ug/l
RT: 12.363 min Scan# 3961
Delta R.T. 0.108 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 75 Resp: 105227
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

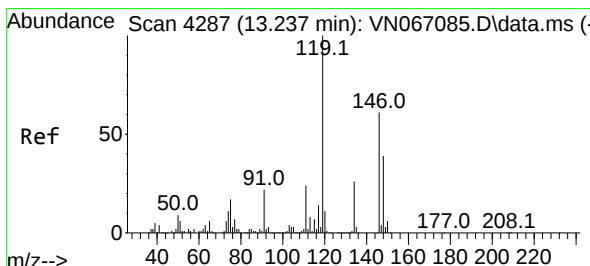
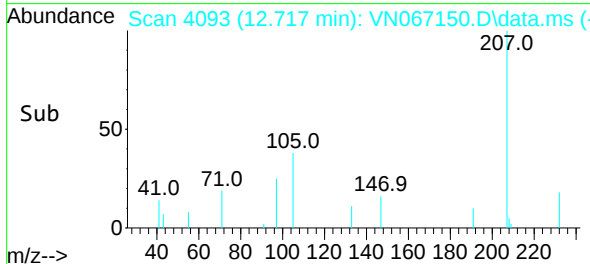
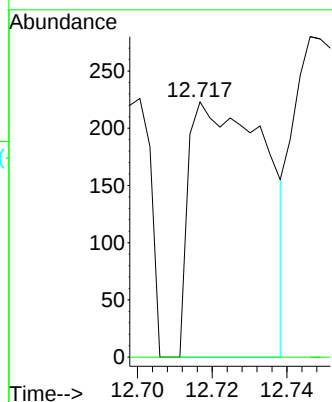
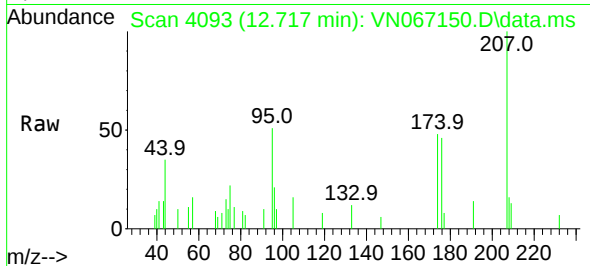




#82
4-Chlorotoluene
Concen: 1.20 ug/l
RT: 12.717 min Scan# 4093
Delta R.T. -0.010 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

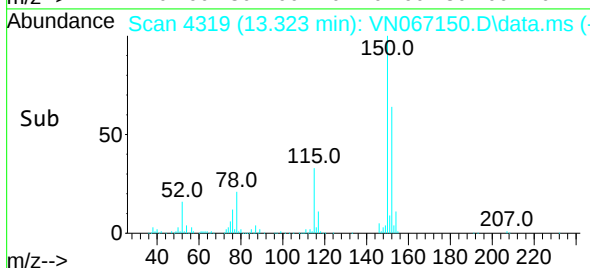
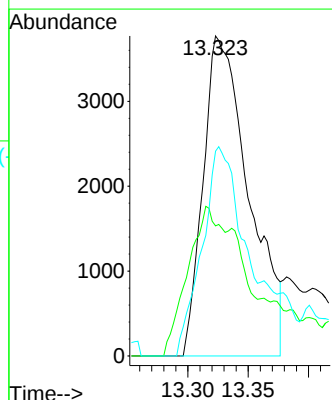
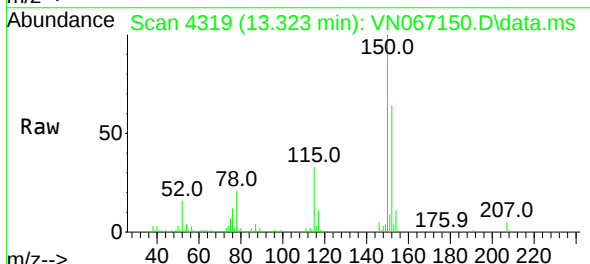
Instrument :
MSVOA_N
ClientSampled :

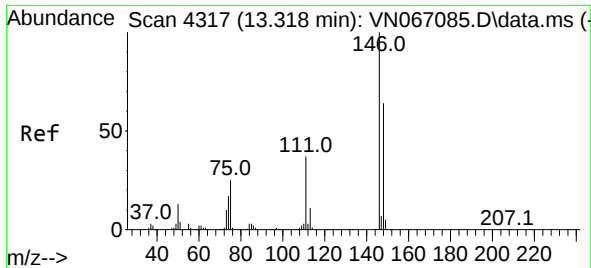
Tgt Ion: 91 Resp: 317
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#87
1,3-Dichlorobenzene
Concen: 1.07 ug/l
RT: 13.323 min Scan# 4319
Delta R.T. 0.086 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion: 146 Resp: 9944
Ion Ratio Lower Upper
146 100
111 35.0 19.3 57.8
148 71.7 32.0 96.2

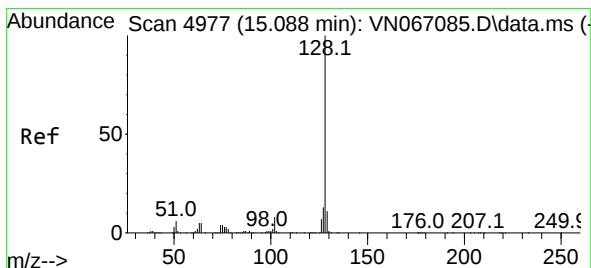
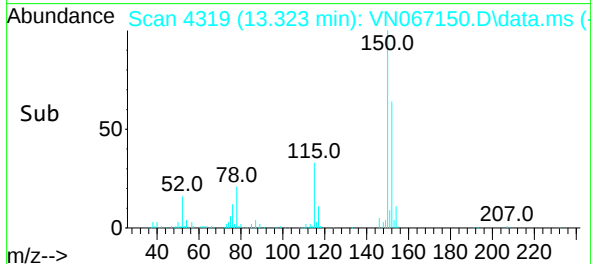
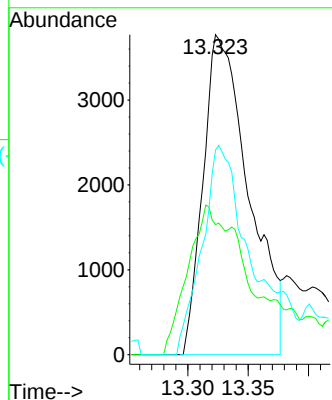
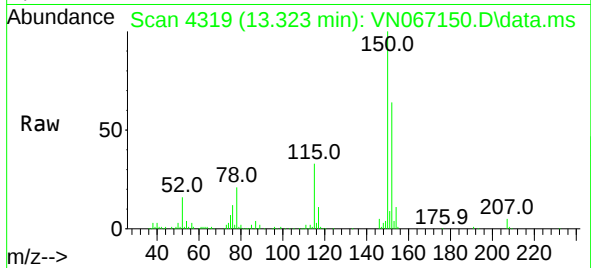




#88
1,4-Dichlorobenzene
Concen: 1.03 ug/l
RT: 13.323 min Scan# 4319
Delta R.T. 0.005 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:146 Resp: 9944
Ion Ratio Lower Upper
146 100
111 35.0 18.5 55.5
148 71.7 31.4 94.3



#95
Naphthalene
Concen: 3.35 ug/l
RT: 15.157 min Scan# 5003
Delta R.T. 0.069 min
Lab File: VN067150.D
Acq: 19 May 2021 14:43

Tgt Ion:128 Resp: 1166
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

