

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067135.D
 Acq On : 18 May 2021 18:27
 Operator : JC/MD
 Sample : PB136489TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:52:03 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

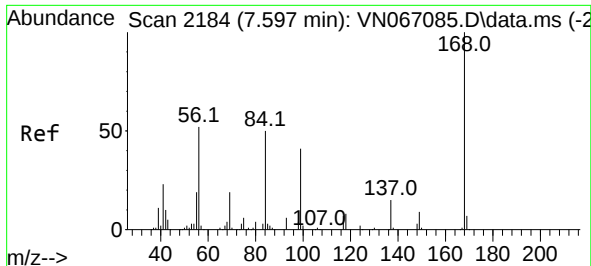
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.597	168	647277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	896465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	787255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	341407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	292742	41.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.72%		
35) Dibromofluoromethane	7.519	113	275244	46.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.52%		
50) Toluene-d8	10.038	98	1047698	46.96	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.92%		
62) 4-Bromofluorobenzene	12.358	95	330771	44.26	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.52%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	1740	0.24	ug/l #	87
11) Tert butyl alcohol	4.679	59	2220	1.90	ug/l #	87
13) Acrolein	3.569	56	721	Below Cal	#	1
16) Acetone	3.773	43	61776	28.42	ug/l	98
18) Methyl Acetate	4.279	43	10821	1.67	ug/l	91
20) Methylene Chloride	4.489	84	102074	14.41	ug/l	98
25) 2-Butanone	6.766	43	11880	3.51	ug/l	93
29) Tetrahydrofuran	7.149	42	1951	0.93	ug/l #	37
31) Cyclohexane	7.592	56	8979	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	36875	4.51	ug/l #	42
37) Ethyl Acetate	6.766	43	11880	1.64	ug/l #	65
38) Carbon Tetrachloride	7.597	117	51986	5.97	ug/l #	15
43) Isopropyl Acetate	8.101	43	49652	4.14	ug/l #	92
45) 1,2-Dichloropropane	9.212	63	3484	0.54	ug/l #	45
48) Methyl methacrylate	9.126	41	10146	3.64	ug/l #	9
49) 1,4-Dioxane	9.153	88	86	1.01	ug/l #	27
51) 4-Methyl-2-Pentanone	9.930	43	6501	6.28	ug/l #	18
54) cis-1,3-Dichloropropene	9.853	75	93975	8.73	ug/l #	59
56) Ethyl methacrylate	10.418	69	361	1.98	ug/l #	31
57) 1,3-Dichloropropane	10.713	76	48294	4.74	ug/l #	42
59) 2-Hexanone	10.713	43	568425	133.43	ug/l #	48
76) 1,2,3-Trichloropropane	12.358	75	150542	20.90	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.358	75	150542	63.01	ug/l #	15
82) 4-Chlorotoluene	12.746	91	25	1.18	ug/l #	39
95) Naphthalene	15.117	128	650	3.30	ug/l #	69

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

Quant Time: May 19 02:52:03 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

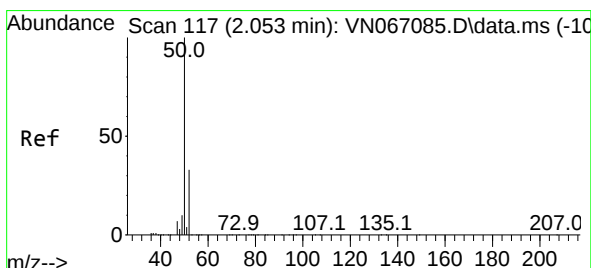
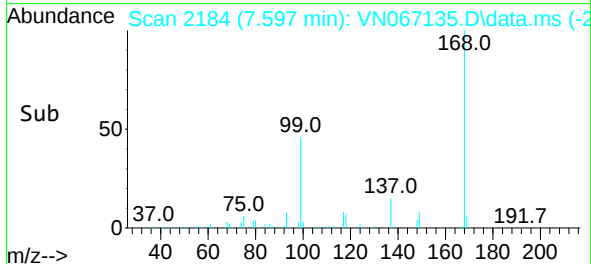
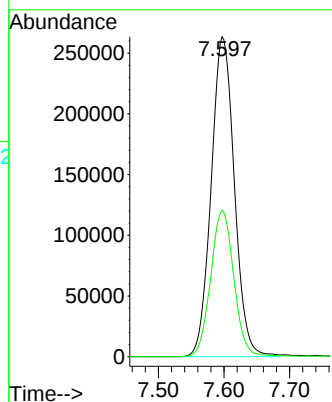
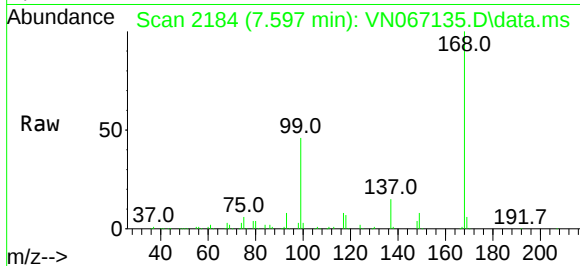




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

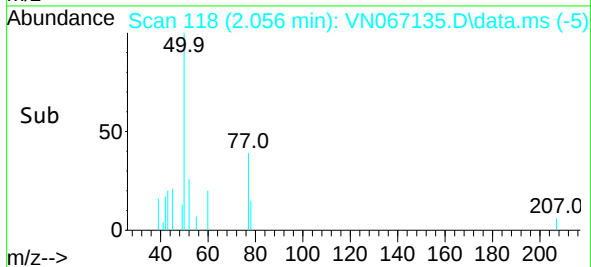
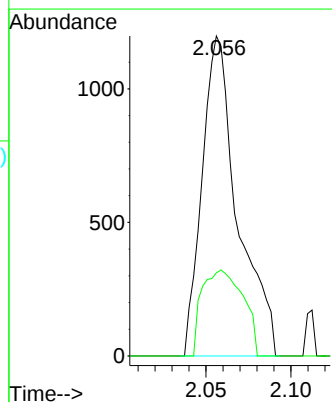
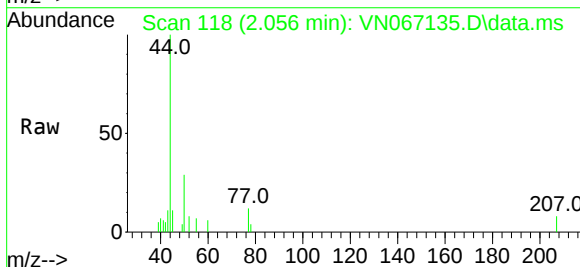
Instrument :
MSVOA_N
ClientSampleId :

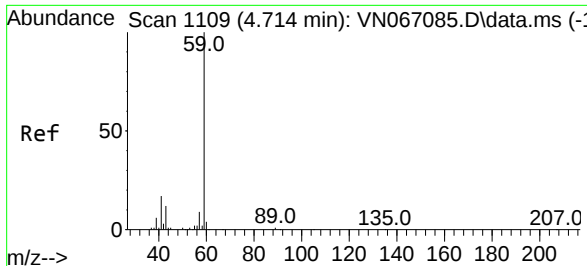
Tgt Ion:168 Resp: 647277
Ion Ratio Lower Upper
168 100
99 45.7 38.5 57.7



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.056 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

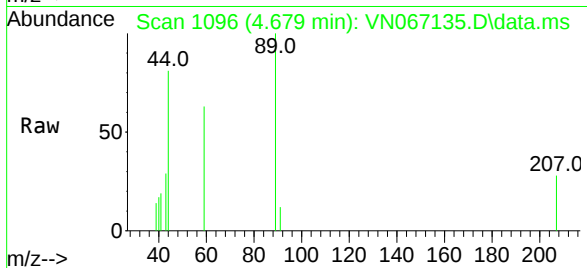
Tgt Ion: 50 Resp: 1740
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#



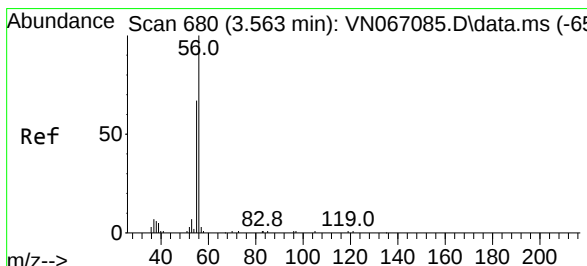
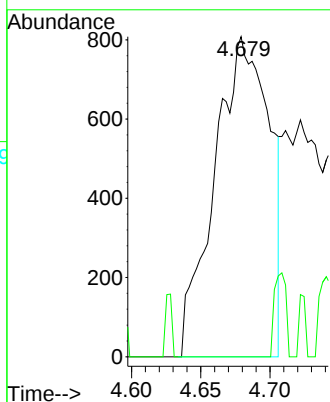
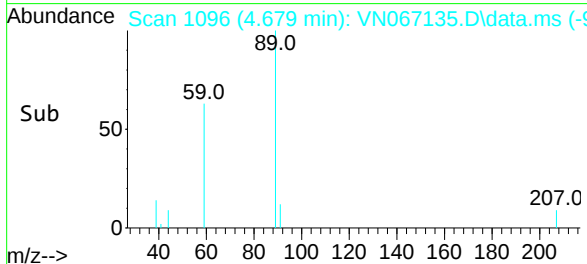


#11
Tert butyl alcohol
Concen: 1.90 ug/l
RT: 4.679 min Scan# 1096
Delta R.T. -0.035 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

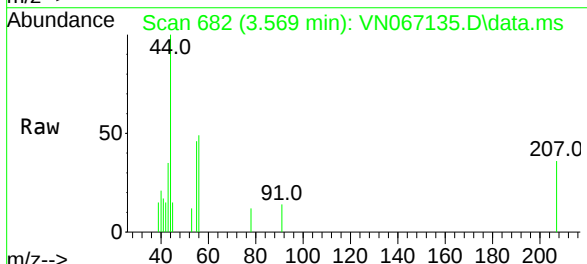
Instrument :
MSVOA_N
ClientSampled :



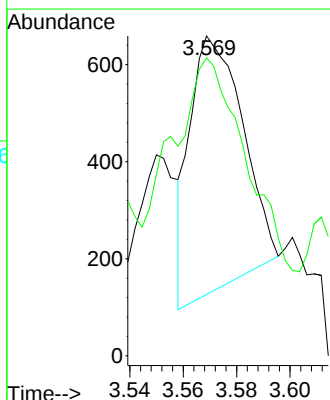
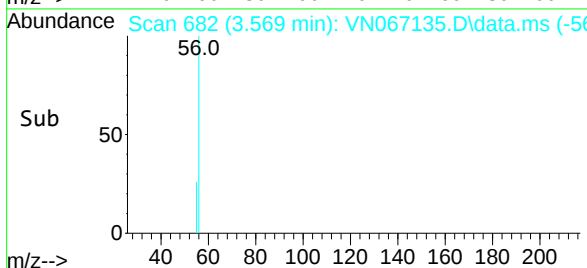
Tgt Ion: 59 Resp: 2220
Ion Ratio Lower Upper
59 100
57 0.0 3.5 5.3#

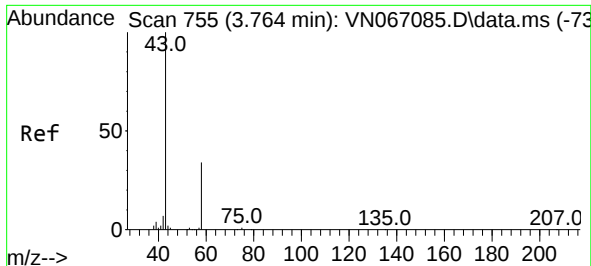


#13
Acrolein
Concen: Below Cal
RT: 3.569 min Scan# 682
Delta R.T. 0.006 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27



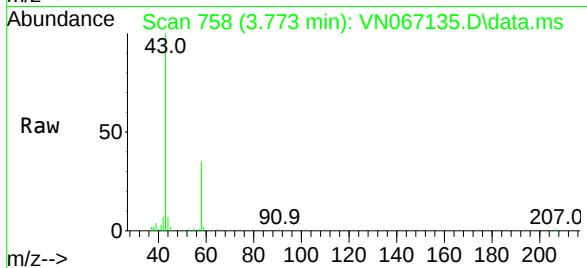
Tgt Ion: 56 Resp: 721
Ion Ratio Lower Upper
56 100
55 148.0 53.8 80.6#



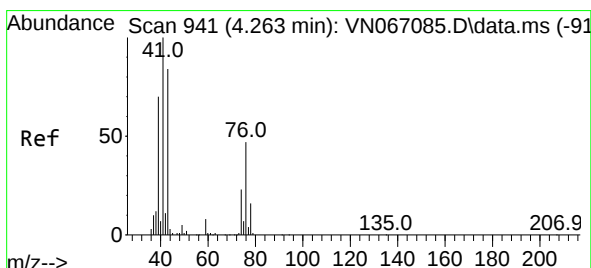
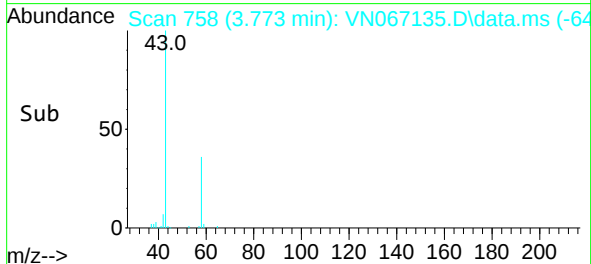
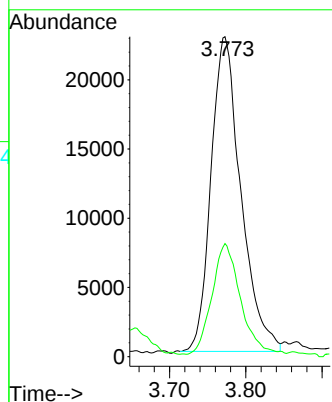


#16
Acetone
Concen: 28.42 ug/l
RT: 3.773 min Scan# 758
Delta R.T. 0.009 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Instrument :
MSVOA_N
ClientSampled :

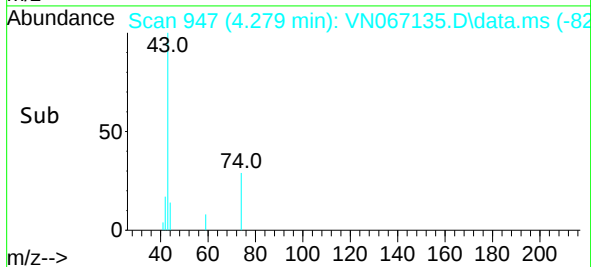
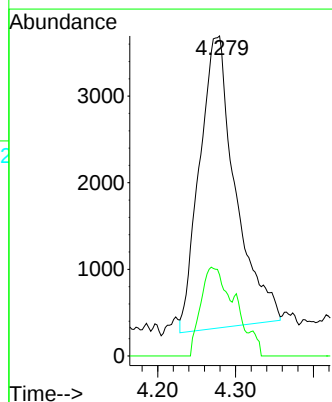
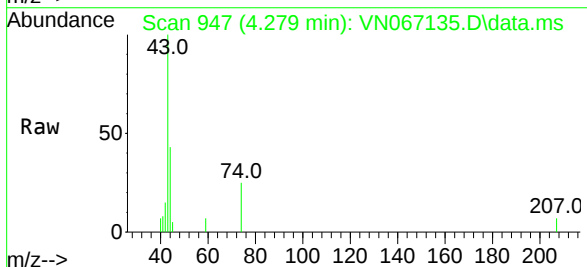


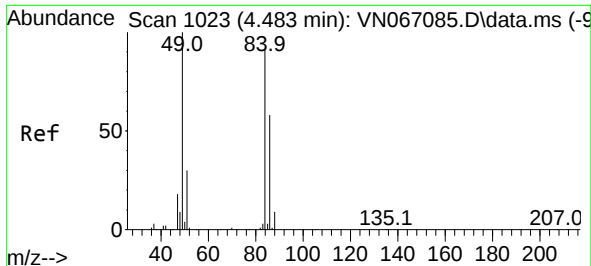
Tgt Ion: 43 Resp: 61776
Ion Ratio Lower Upper
43 100
58 35.1 27.2 40.8



#18
Methyl Acetate
Concen: 1.67 ug/l
RT: 4.279 min Scan# 947
Delta R.T. 0.016 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

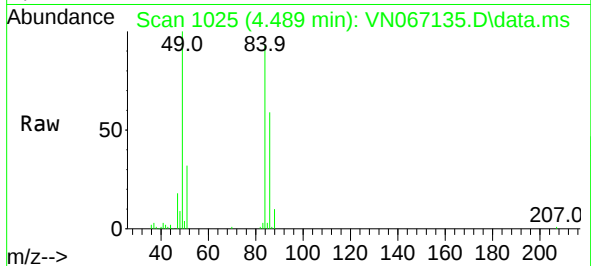
Tgt Ion: 43 Resp: 10821
Ion Ratio Lower Upper
43 100
74 22.0 21.4 32.2



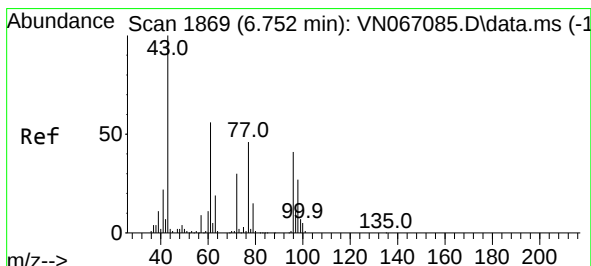
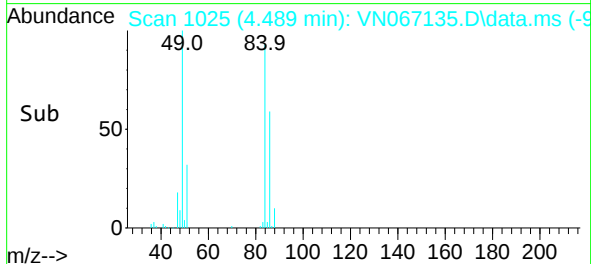
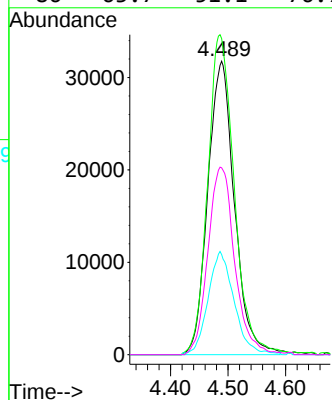


#20
Methylene Chloride
Concen: 14.41 ug/l
RT: 4.489 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Instrument :
MSVOA_N
ClientSampled :

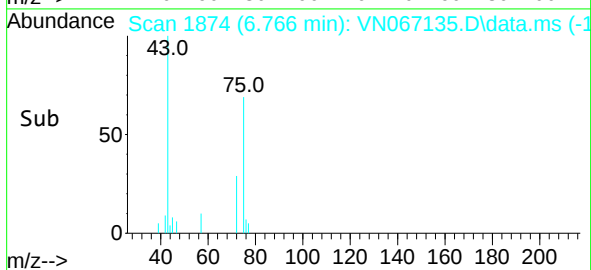
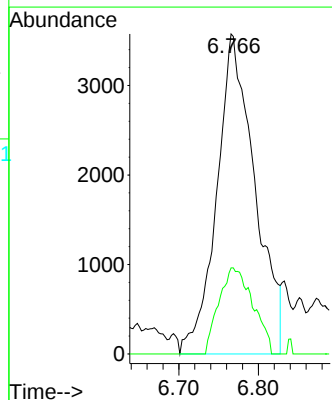
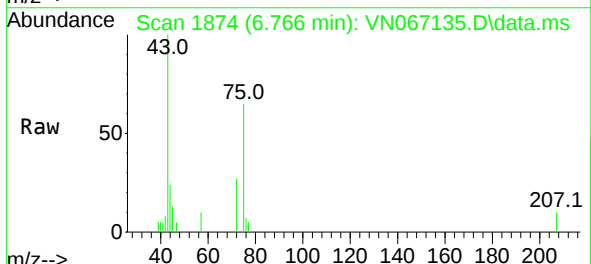


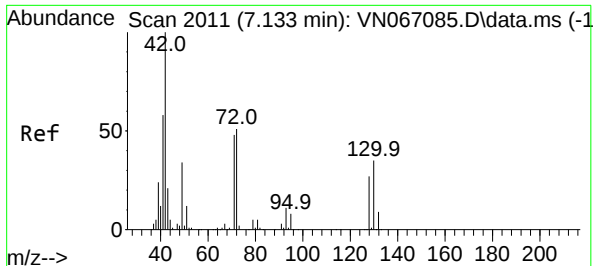
Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.8	88.3	132.5
51	34.2	26.7	40.1
86	63.7	51.1	76.7



#25
2-Butanone
Concen: 3.51 ug/l
RT: 6.766 min Scan# 1874
Delta R.T. 0.014 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.9	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.93 ug/l

RT: 7.149 min Scan# 2017

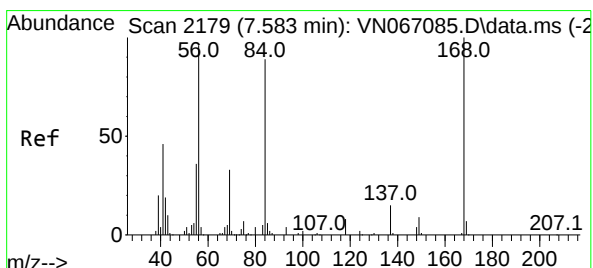
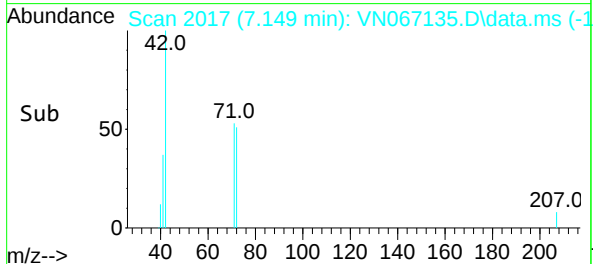
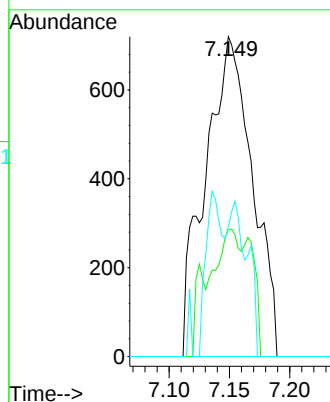
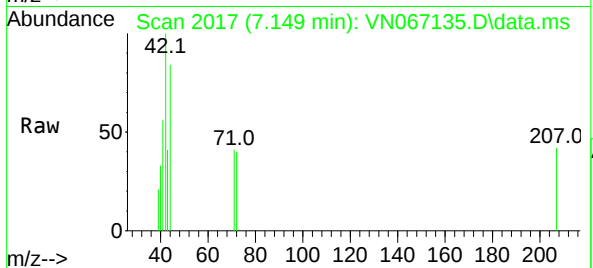
Delta R.T. 0.016 min

Lab File: VN067135.D

Acq: 18 May 2021 18:27

Tgt Ion:	42	Resp:	1951
Ion	Ratio	Lower	Upper
42	100		
72	6.5	40.1	60.1#
71	5.4	37.9	56.9#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.93 ug/l

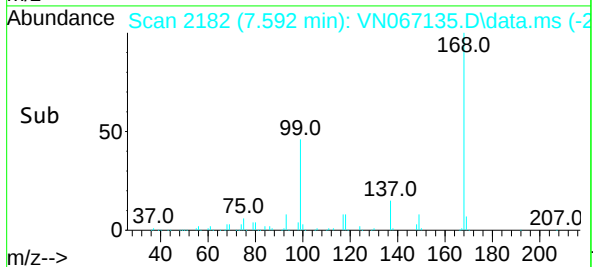
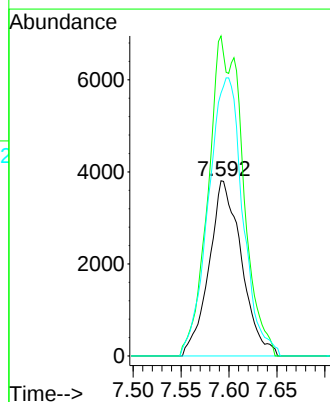
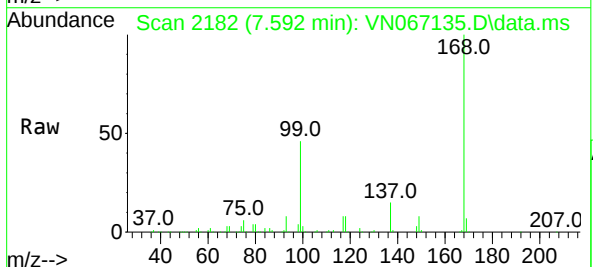
RT: 7.592 min Scan# 2182

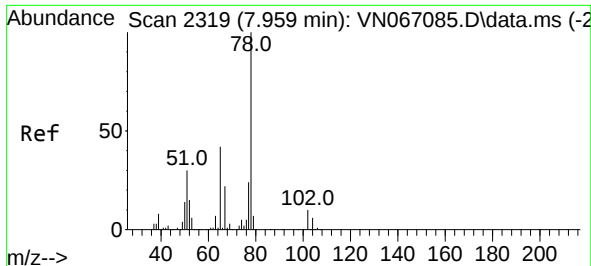
Delta R.T. 0.009 min

Lab File: VN067135.D

Acq: 18 May 2021 18:27

Tgt Ion:	56	Resp:	8979
Ion	Ratio	Lower	Upper
56	100		
69	182.7	28.0	42.0#
84	150.1	74.2	111.2#

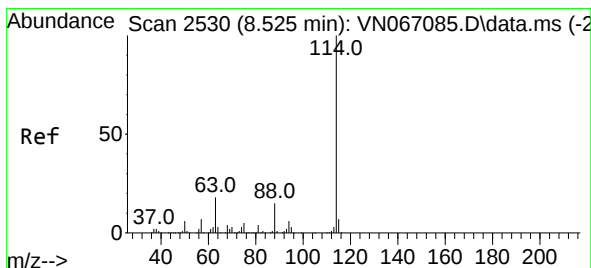
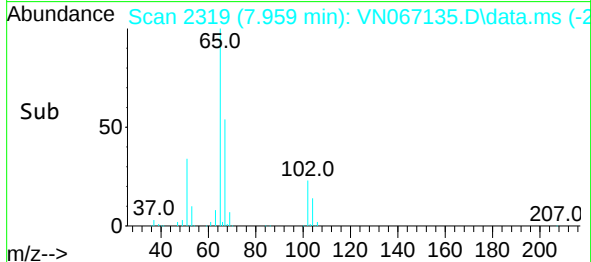
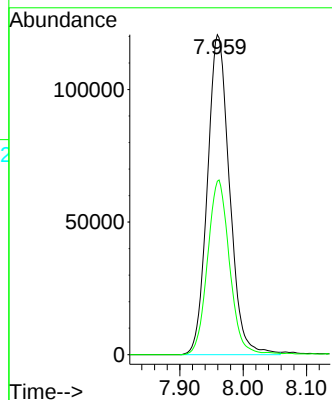
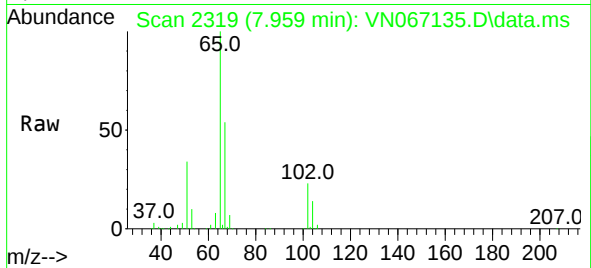




#33
1,2-Dichloroethane-d4
Concen: 41.86 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

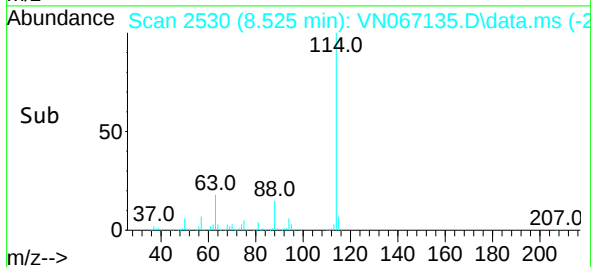
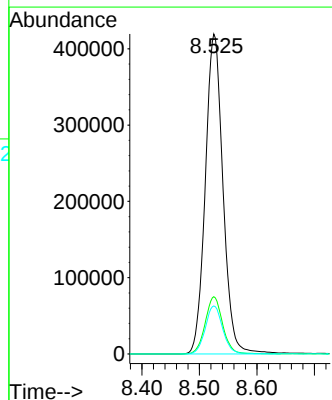
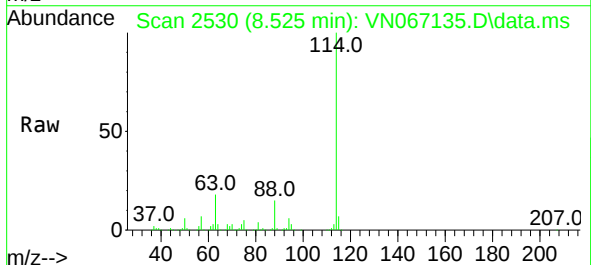
Instrument :
MSVOA_N
ClientSampleId :

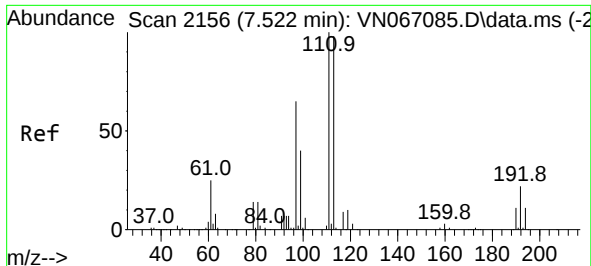
Tgt Ion: 65 Resp: 292742
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. 0.000 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

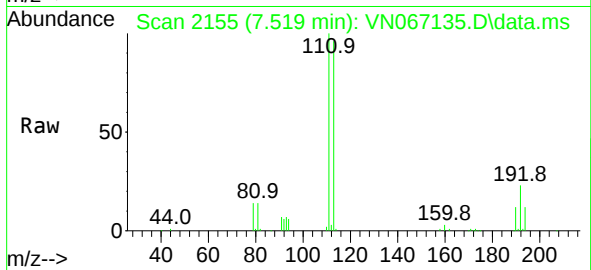
Tgt Ion: 114 Resp: 896465
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.8
88 15.0 0.0 30.4



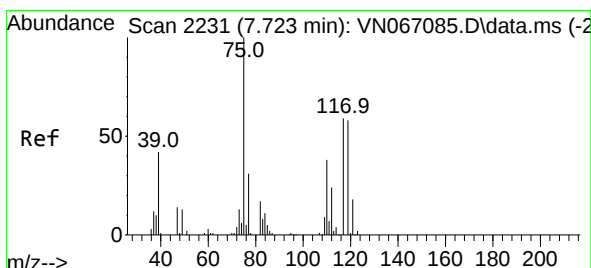
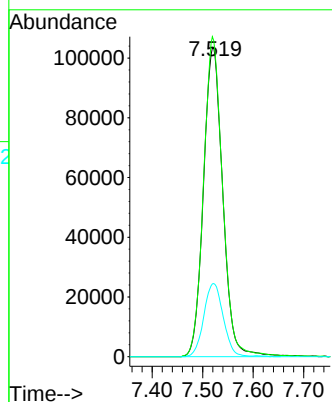
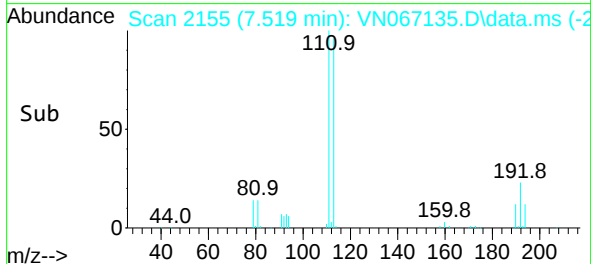


#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 7.519 min Scan# 2155
 Delta R.T. -0.003 min
 Lab File: VN067135.D
 Acq: 18 May 2021 18:27

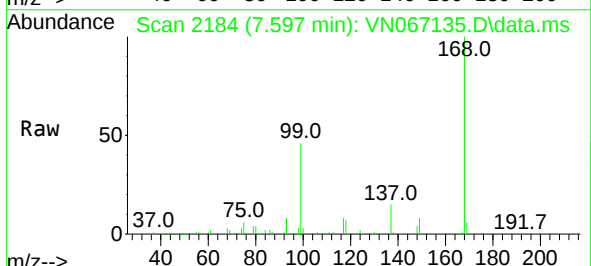
Instrument :
 MSVOA_N
 ClientSampleId :



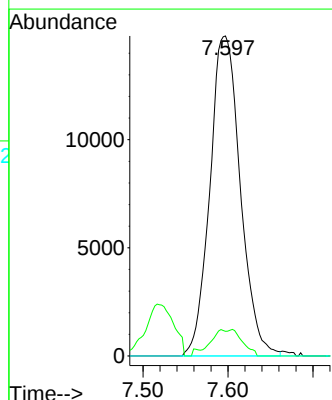
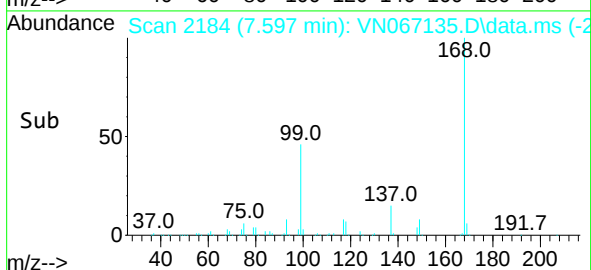
Tgt Ion:113 Resp: 275244
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.6 124.0
 192 23.7 18.2 27.4

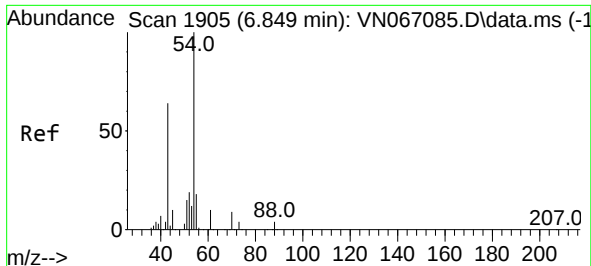


#36
 1,1-Dichloropropene
 Concen: 4.51 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. -0.126 min
 Lab File: VN067135.D
 Acq: 18 May 2021 18:27



Tgt Ion: 75 Resp: 36875
 Ion Ratio Lower Upper
 75 100
 110 2.6 19.1 57.3#
 77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.64 ug/l

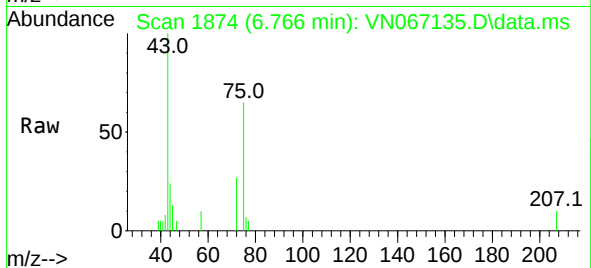
RT: 6.766 min Scan# 1874

Delta R.T. -0.083 min

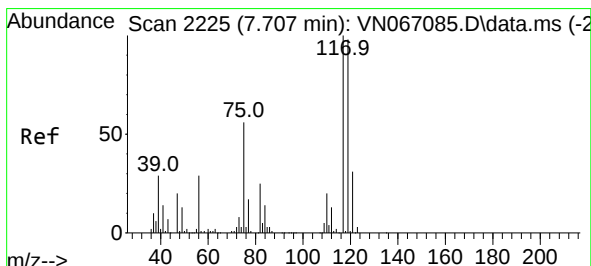
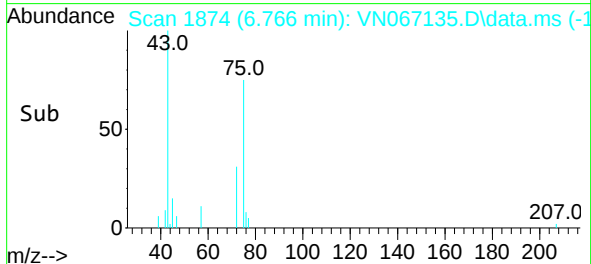
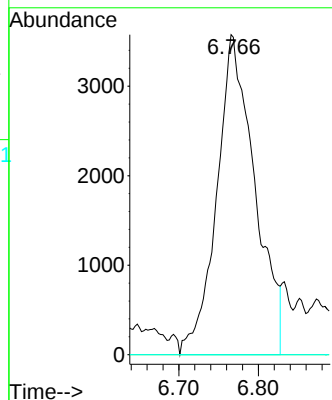
Lab File: VN067135.D

Acq: 18 May 2021 18:27

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	11880
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.4#
70	0.0	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 5.97 ug/l

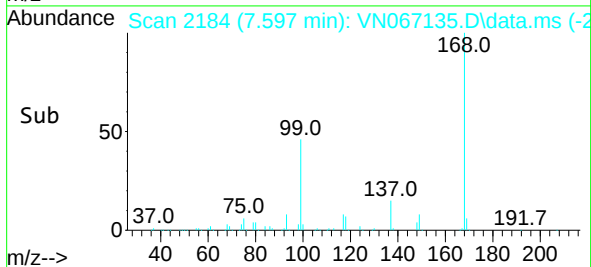
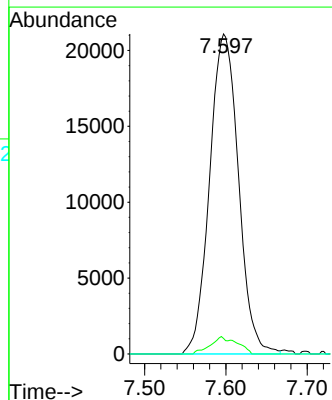
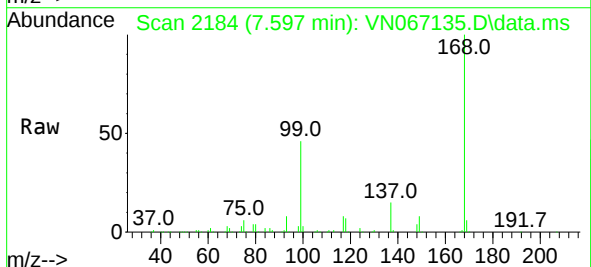
RT: 7.597 min Scan# 2184

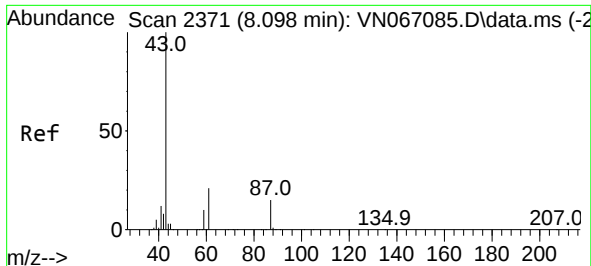
Delta R.T. -0.110 min

Lab File: VN067135.D

Acq: 18 May 2021 18:27

Tgt Ion:	117	Resp:	51986
Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.2	117.2#
121	0.0	24.7	37.1#

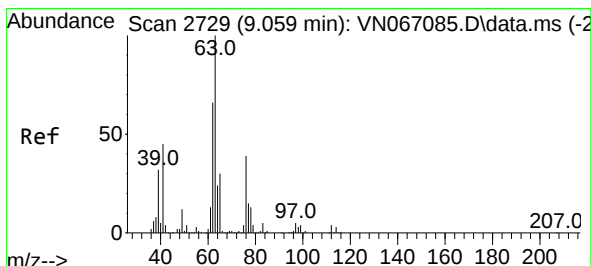
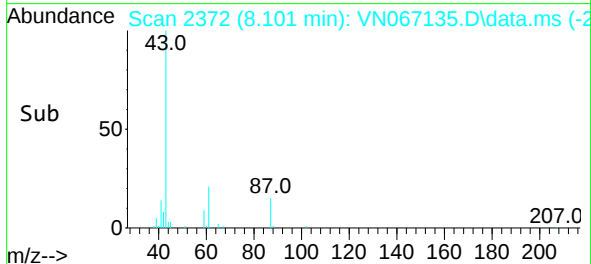
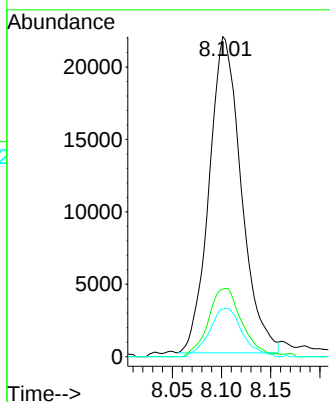
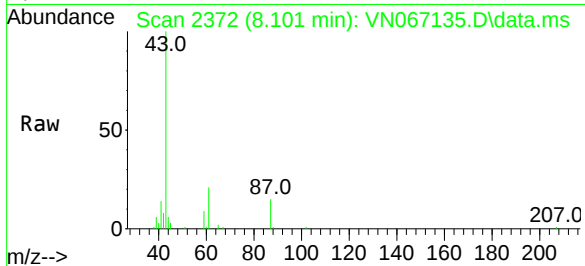




#43
Isopropyl Acetate
Concen: 4.14 ug/l
RT: 8.101 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

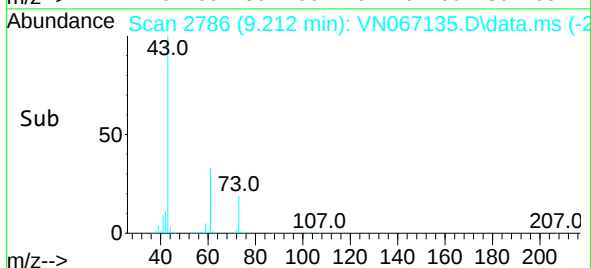
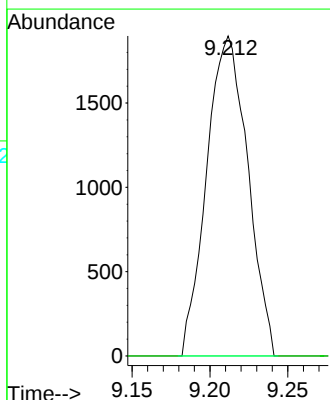
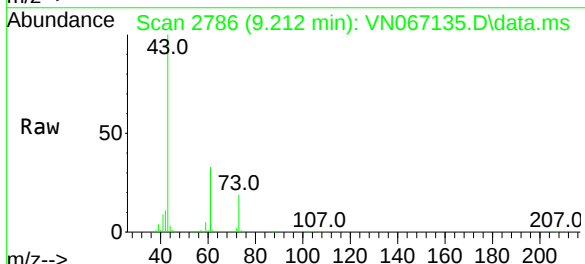
Instrument :
MSVOA_N
ClientSampleId :

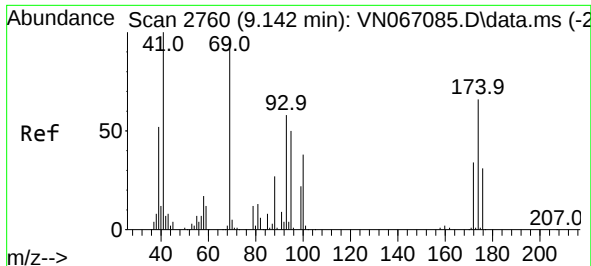
Tgt Ion: 43 Resp: 49652
Ion Ratio Lower Upper
43 100
61 22.6 23.4 35.0#
87 15.6 12.2 18.2



#45
1,2-Dichloropropane
Concen: 0.54 ug/l
RT: 9.212 min Scan# 2786
Delta R.T. 0.153 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion: 63 Resp: 3484
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

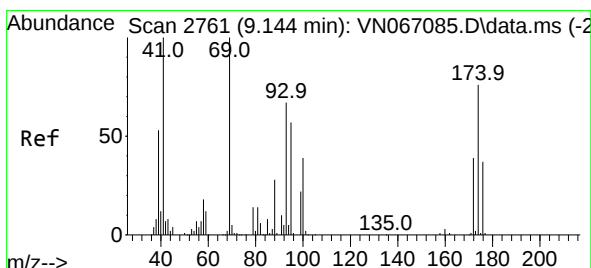
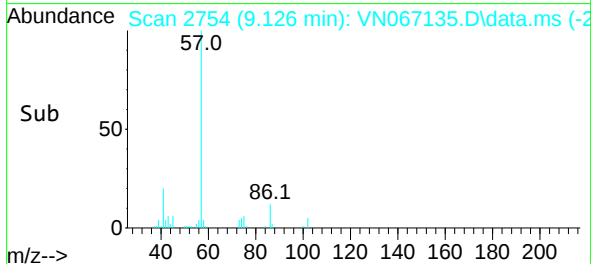
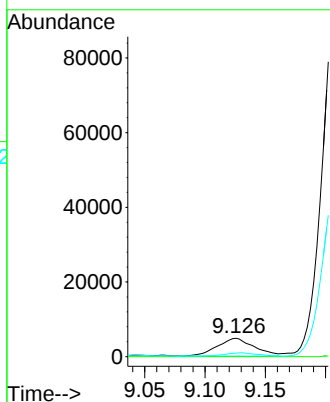
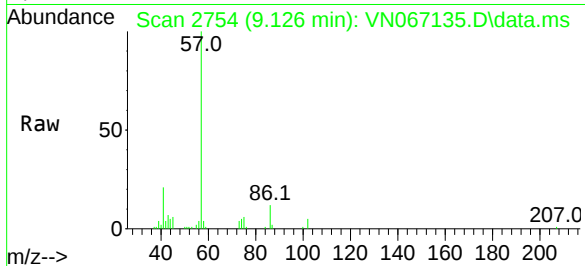




#48
Methyl methacrylate
Concen: 3.64 ug/l
RT: 9.126 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

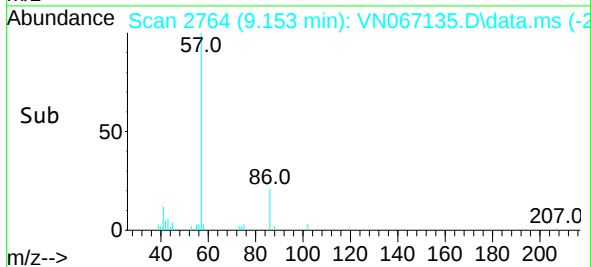
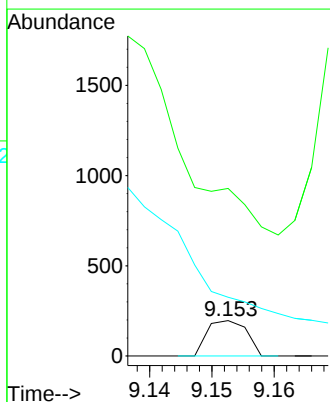
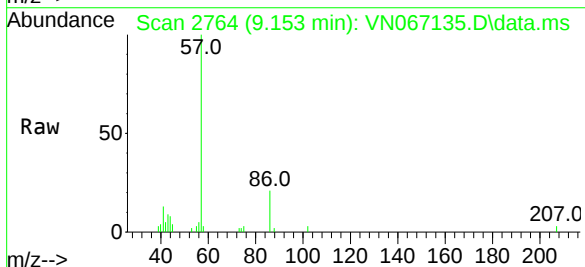
Instrument :
MSVOA_N
ClientSampled :

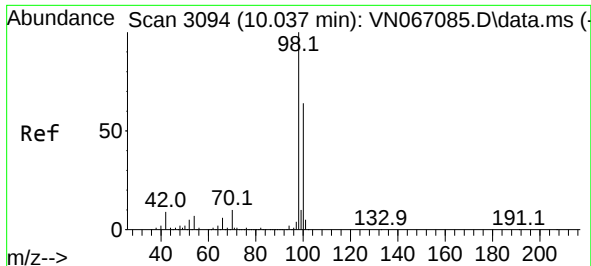
Tgt Ion: 41 Resp: 10146
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 1.01 ug/l
RT: 9.153 min Scan# 2764
Delta R.T. 0.009 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion: 88 Resp: 86
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 0.0 50.8 76.2#

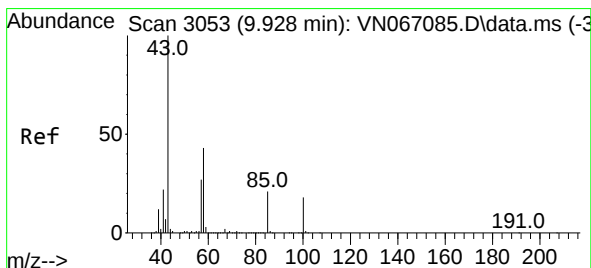
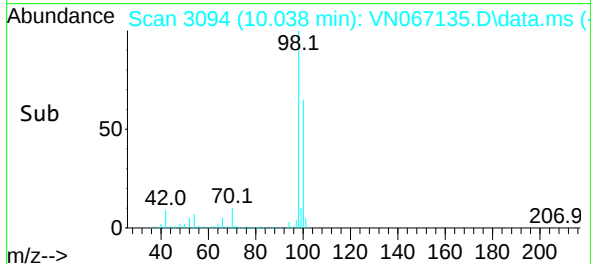
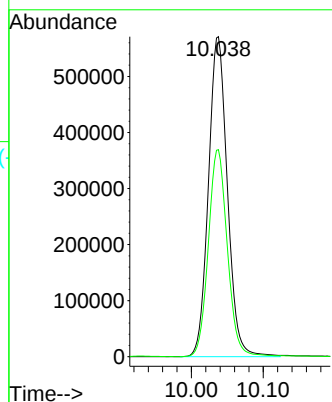
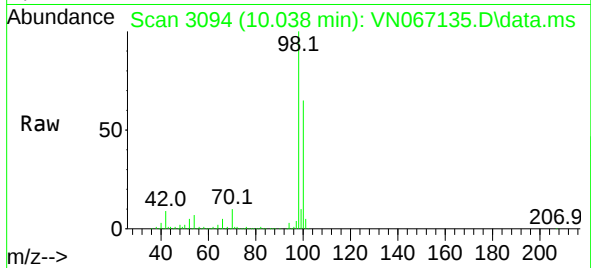




#50
Toluene-d8
Concen: 46.96 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

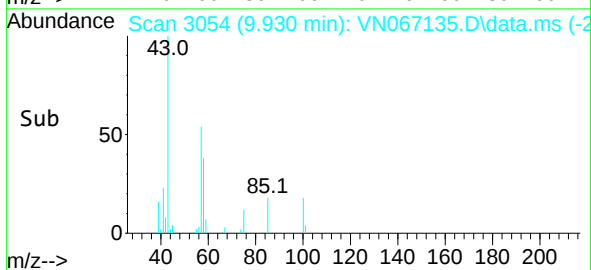
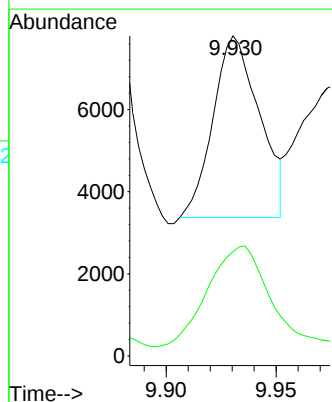
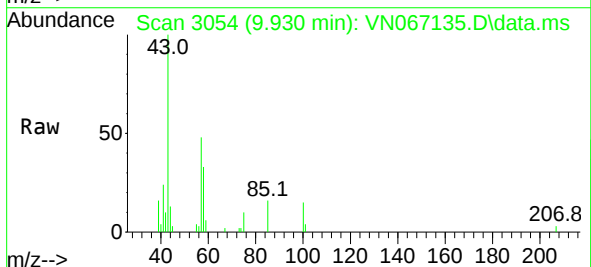
Instrument :
MSVOA_N
ClientSampled :

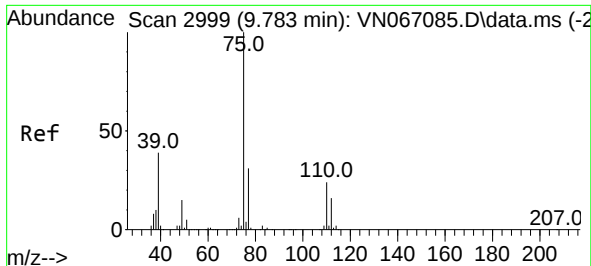
Tgt Ion: 98 Resp: 1047698
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 6.28 ug/l
RT: 9.930 min Scan# 3054
Delta R.T. 0.002 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion: 43 Resp: 6501
Ion Ratio Lower Upper
43 100
58 95.5 34.5 51.7#

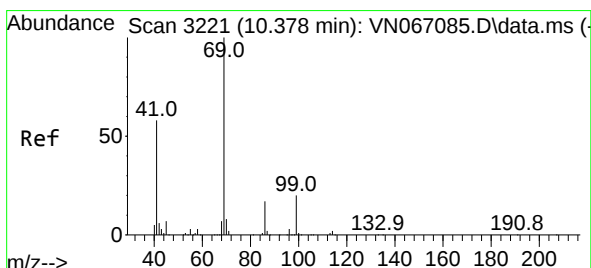
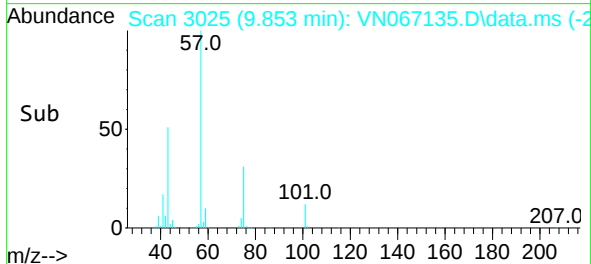
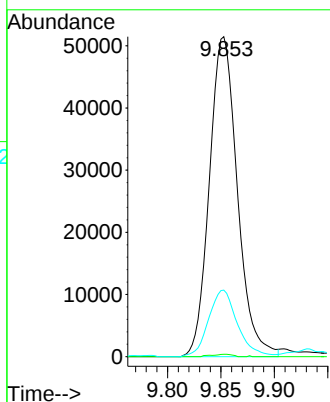
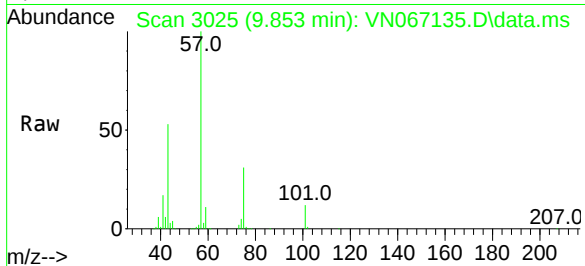




#54
 cis-1,3-Dichloropropene
 Concen: 8.73 ug/l
 RT: 9.853 min Scan# 3025
 Delta R.T. 0.070 min
 Lab File: VN067135.D
 Acq: 18 May 2021 18:27

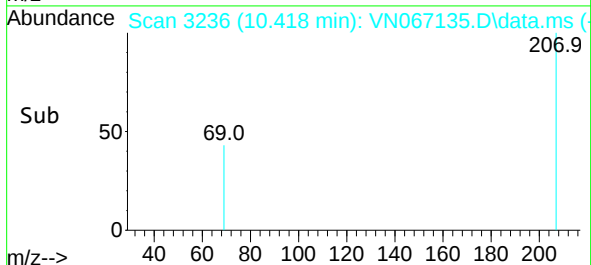
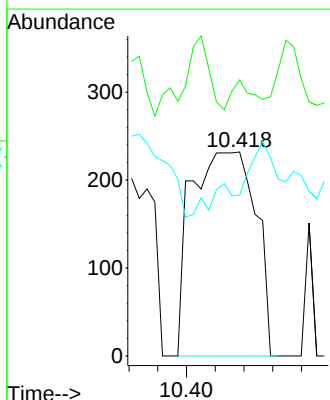
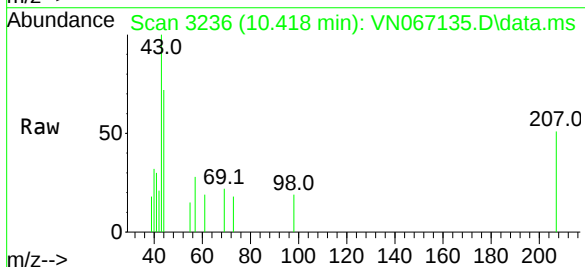
Instrument :
 MSVOA_N
 ClientSampled :

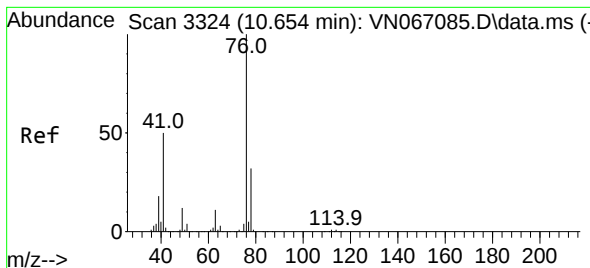
Tgt Ion: 75 Resp: 93975
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 20.8 30.9 46.3#



#56
 Ethyl methacrylate
 Concen: 1.98 ug/l
 RT: 10.418 min Scan# 3236
 Delta R.T. 0.040 min
 Lab File: VN067135.D
 Acq: 18 May 2021 18:27

Tgt Ion: 69 Resp: 361
 Ion Ratio Lower Upper
 69 100
 41 0.0 45.5 68.3#
 39 0.0 22.9 34.3#

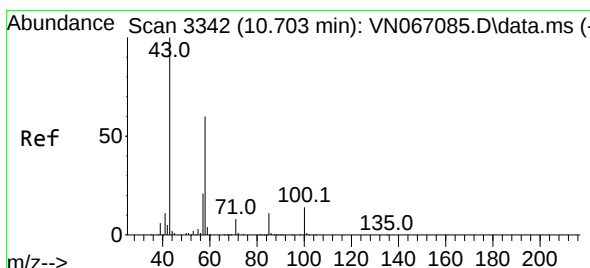
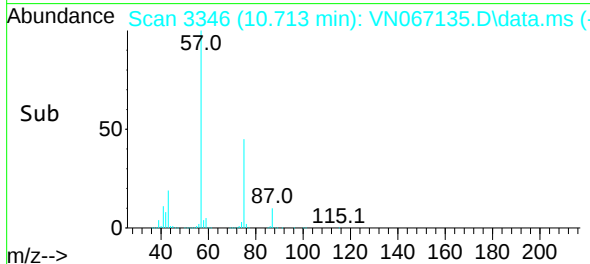
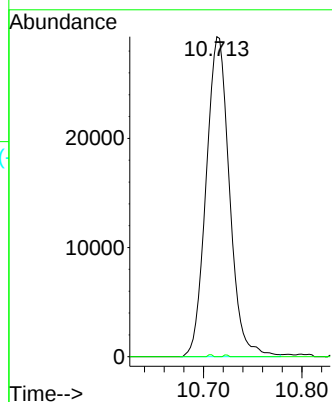
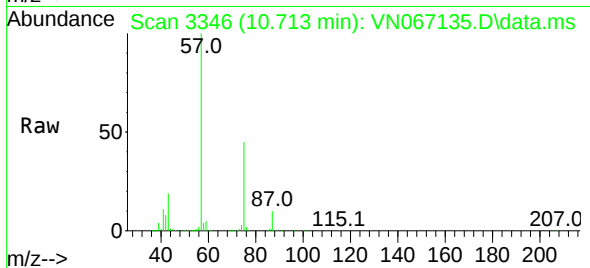




#57
1,3-Dichloropropane
Concen: 4.74 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.059 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

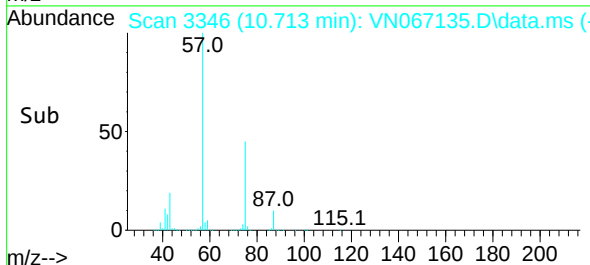
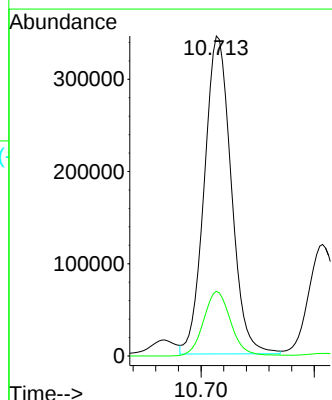
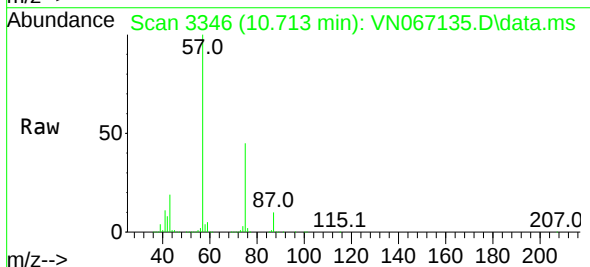
Instrument :
MSVOA_N
ClientSampled :

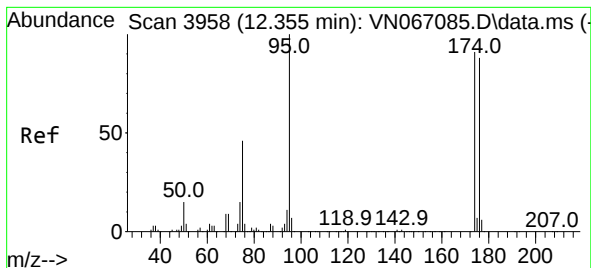
Tgt Ion: 76 Resp: 48294
Ion Ratio Lower Upper
76 100
78 0.1 26.3 39.5#



#59
2-Hexanone
Concen: 133.43 ug/l
RT: 10.713 min Scan# 3346
Delta R.T. 0.010 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion: 43 Resp: 568425
Ion Ratio Lower Upper
43 100
58 20.6 29.8 89.5#

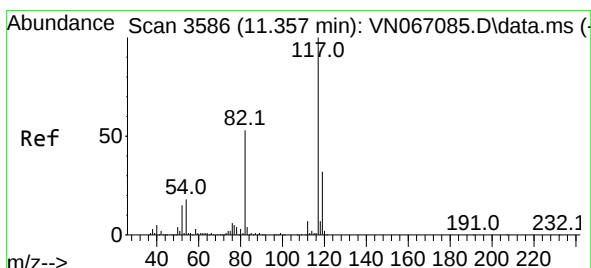
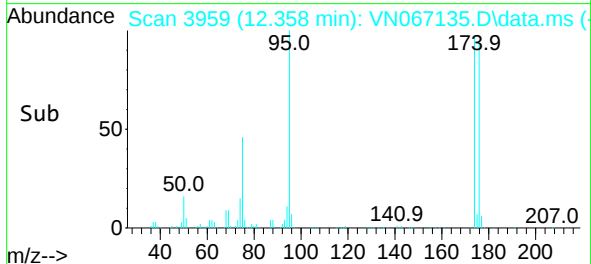
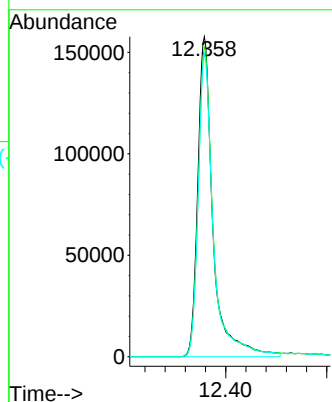
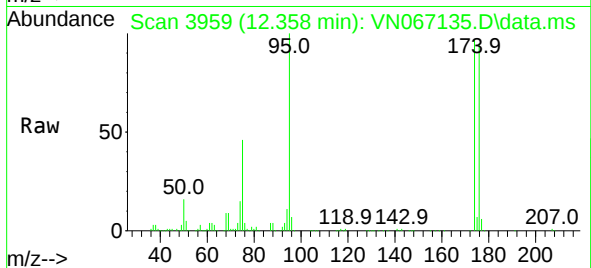




#62
4-Bromofluorobenzene
Concen: 44.26 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

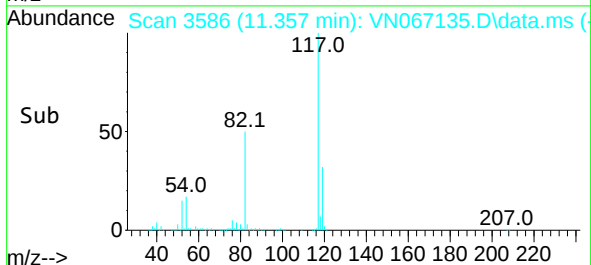
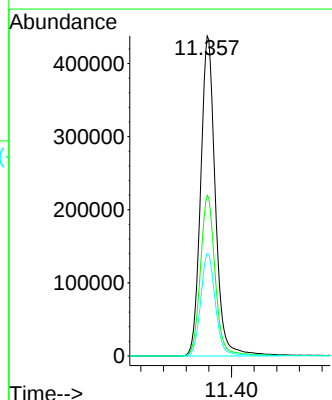
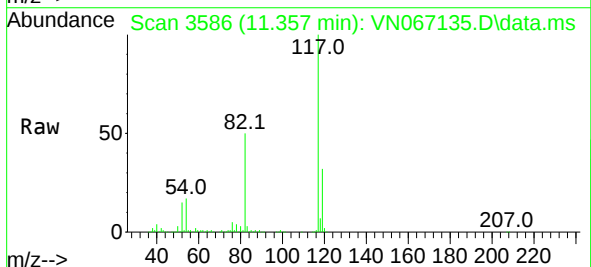
Instrument :
MSVOA_N
ClientSampled :

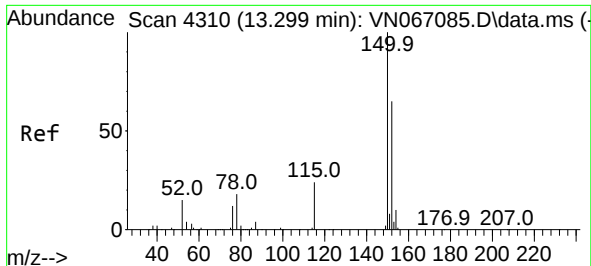
Tgt Ion: 95 Resp: 330771
Ion Ratio Lower Upper
95 100
174 95.9 0.0 182.8
176 93.3 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Tgt Ion: 117 Resp: 787255
Ion Ratio Lower Upper
117 100
82 50.2 42.2 63.2
119 32.0 25.8 38.6

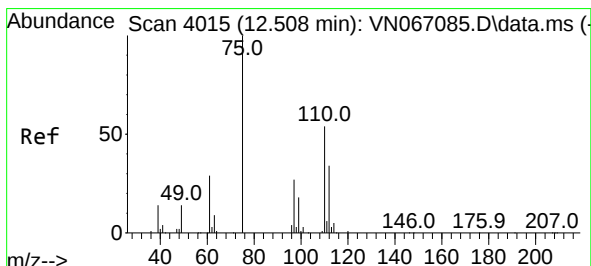
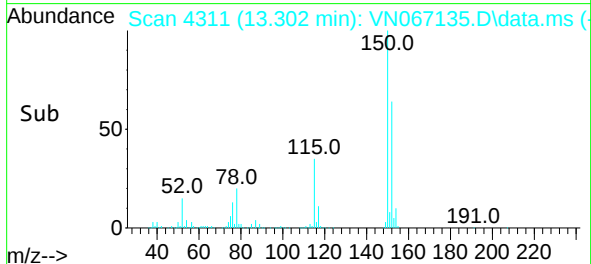
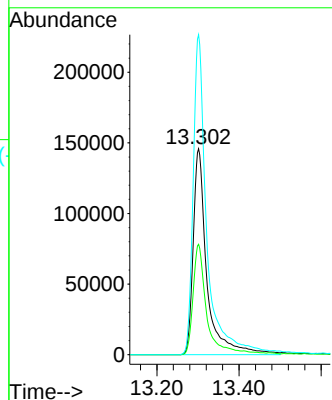
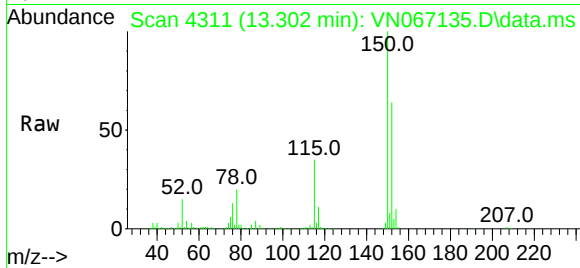




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

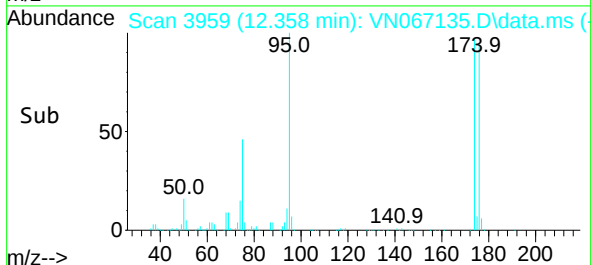
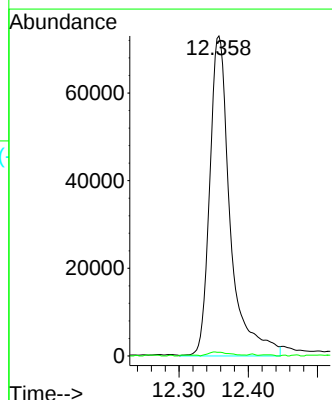
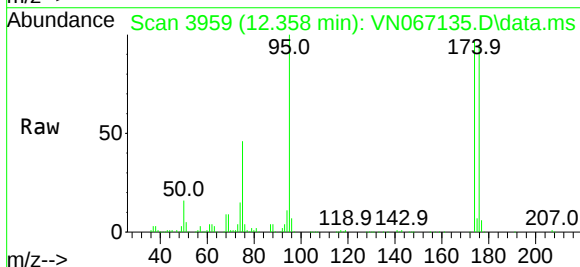
Instrument :
MSVOA_N
ClientSampled :

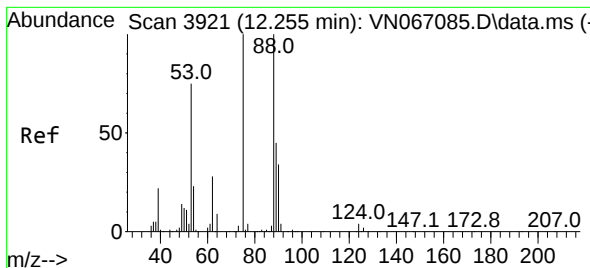
Tgt Ion:152 Resp: 341407
Ion Ratio Lower Upper
152 100
115 51.1 27.0 80.8
150 153.4 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 20.90 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. -0.150 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

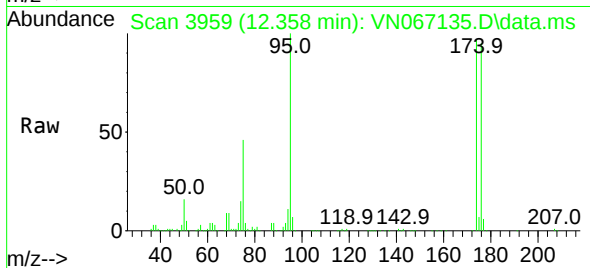
Tgt Ion: 75 Resp: 150542
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



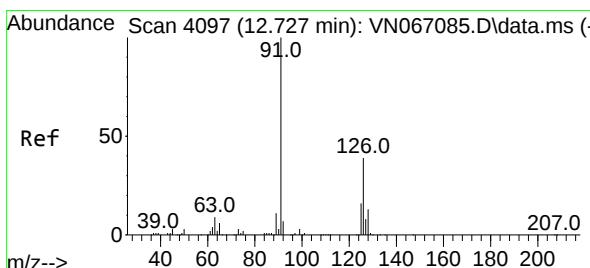
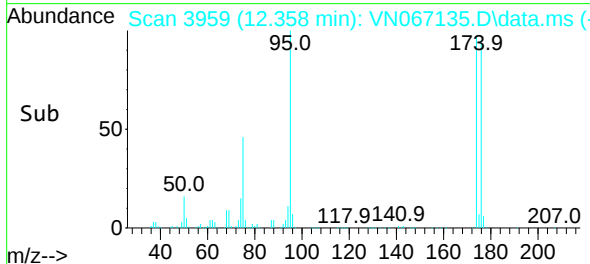
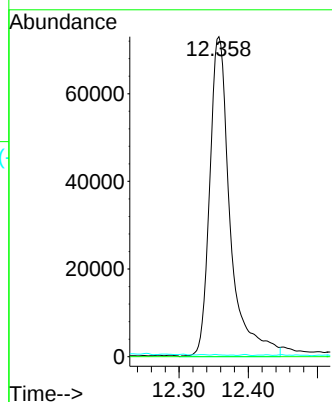


#81
trans-1,4-Dichloro-2-butene
Concen: 63.01 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.103 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Instrument :
MSVOA_N
ClientSampled :

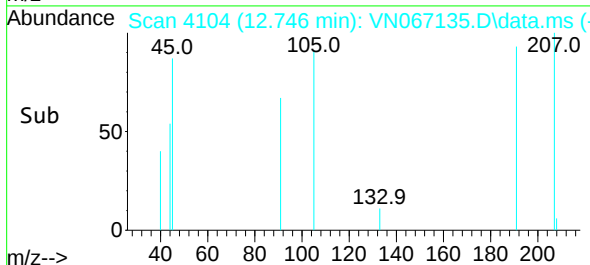
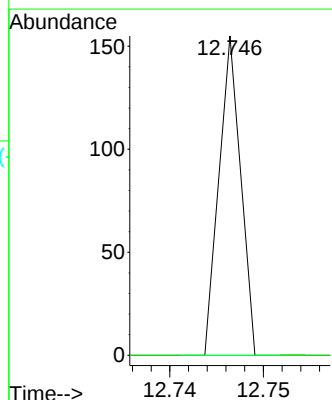
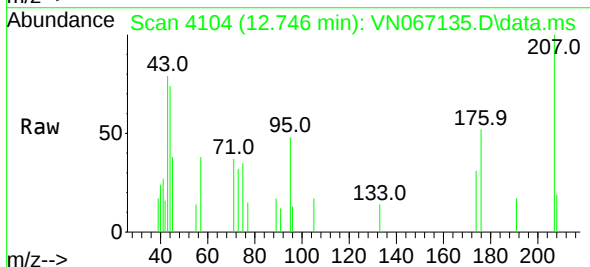


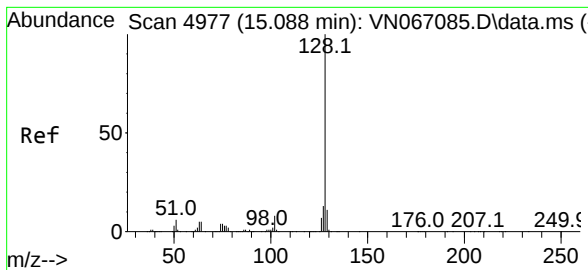
Tgt Ion: 75 Resp: 150542
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.18 ug/l
RT: 12.746 min Scan# 4104
Delta R.T. 0.019 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

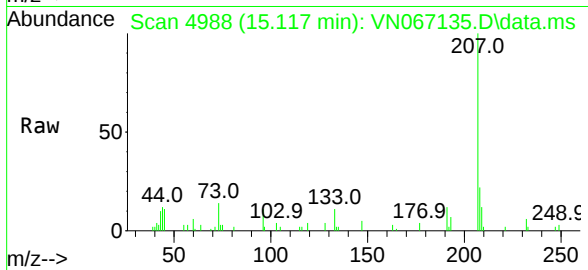
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#





#95
Naphthalene
Concen: 3.30 ug/l
RT: 15.117 min Scan# 4988
Delta R.T. 0.029 min
Lab File: VN067135.D
Acq: 18 May 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	650
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

