

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067126.D
 Acq On : 18 May 2021 14:52
 Operator : JC/MD
 Sample : M2387-06 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:49:25 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)

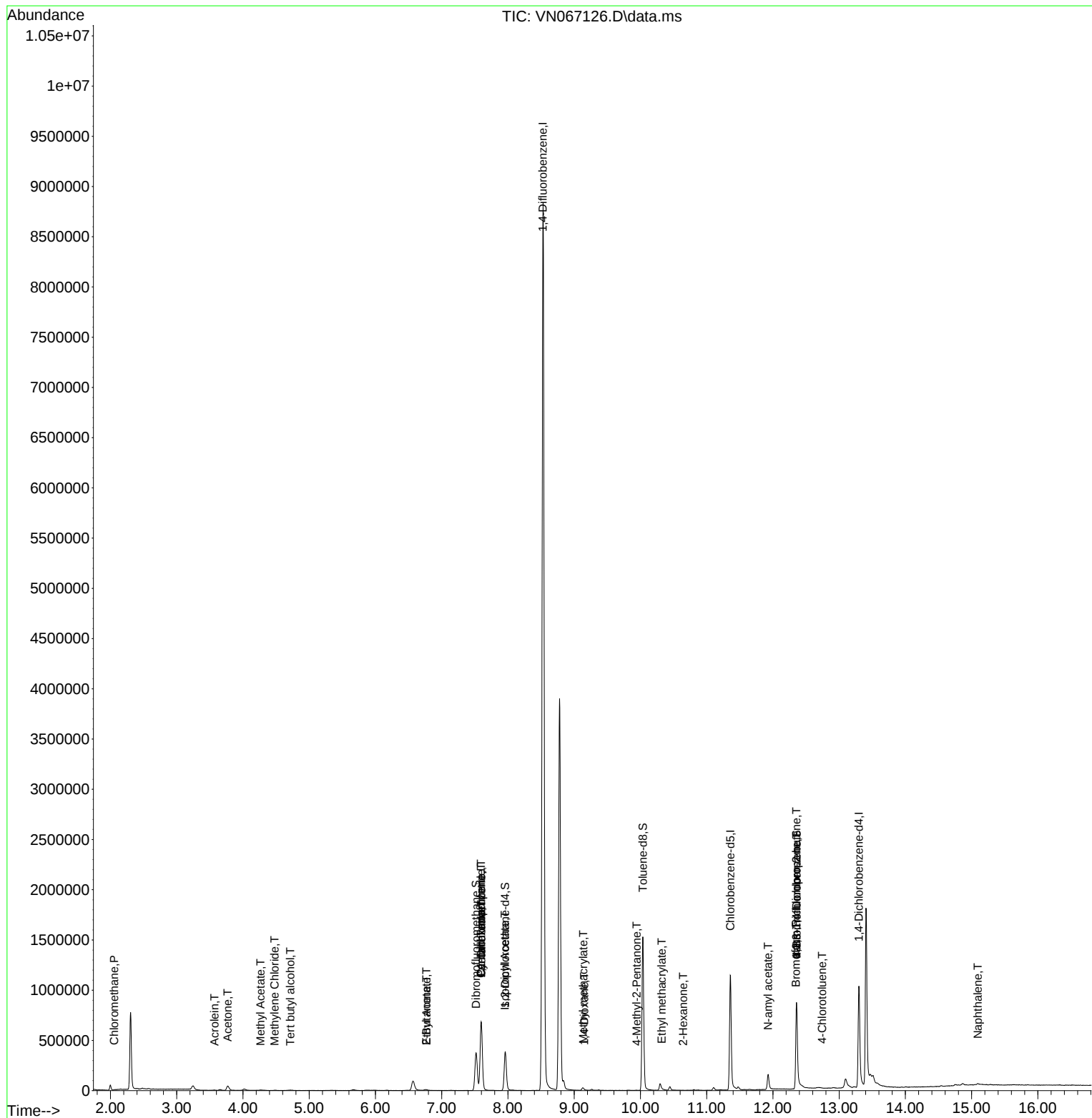
Internal Standards						
1) Pentafluorobenzene	7.597	168	652986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	945271	50.00	ug/l	# 0.00
63) Chlorobenzene-d5	11.357	117	793116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.299	152	373391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	330998	46.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.84%		
35) Dibromofluoromethane	7.519	113	303749	48.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.88%		
50) Toluene-d8	10.037	98	1151175	48.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.86%		
62) 4-Bromofluorobenzene	12.357	95	364789	46.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.58%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	2183	0.30	ug/l #	79
11) Tert butyl alcohol	4.714	59	7833	6.66	ug/l #	87
13) Acrolein	3.571	56	4233	4.24	ug/l	90
16) Acetone	3.770	43	76666	34.97	ug/l	94
18) Methyl Acetate	4.263	43	2851	0.44	ug/l #	68
20) Methylene Chloride	4.478	84	975	0.21	ug/l #	75
25) 2-Butanone	6.768	43	8681	2.54	ug/l #	86
31) Cyclohexane	7.597	56	9218	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.594	75	37680	4.37	ug/l #	44
37) Ethyl Acetate	6.768	43	8681	1.14	ug/l #	65
38) Carbon Tetrachloride	7.594	117	53963	5.88	ug/l #	15
43) Isopropyl Acetate	7.954	43	7268	0.58	ug/l #	34
48) Methyl methacrylate	9.136	41	120	1.96	ug/l #	9
49) 1,4-Dioxane	9.152	88	25	0.28	ug/l #	27
51) 4-Methyl-2-Pentanone	9.944	43	856	5.51	ug/l #	37
56) Ethyl methacrylate	10.322	69	3526	2.27	ug/l #	31
59) 2-Hexanone	10.646	43	139	21.94	ug/l	79
71) Bromoform	12.347	173	283	1.81	ug/l #	1
74) N-amyl acetate	11.926	43	29880	5.75	ug/l #	26
76) 1,2,3-Trichloropropane	12.355	75	166145	21.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.355	75	166145	63.54	ug/l #	15
82) 4-Chlorotoluene	12.743	91	221	1.19	ug/l #	39
95) Naphthalene	15.093	128	15253	4.15	ug/l	98

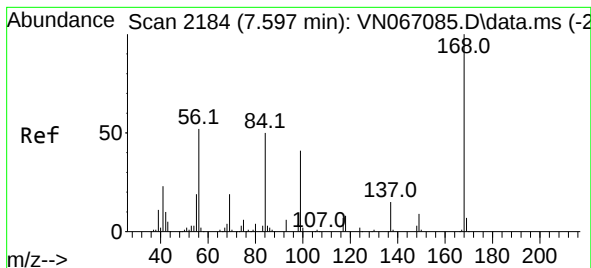
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN067126.D

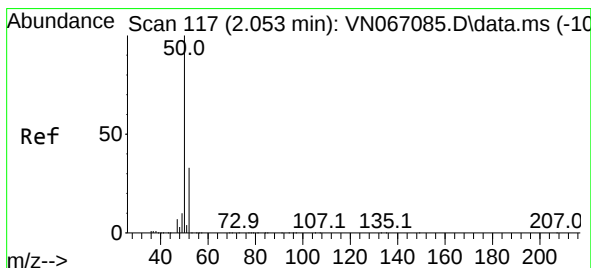
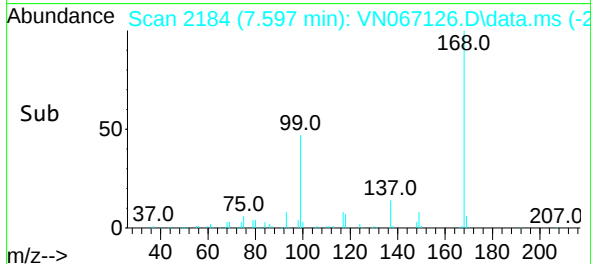
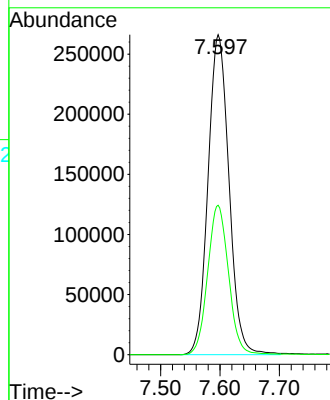
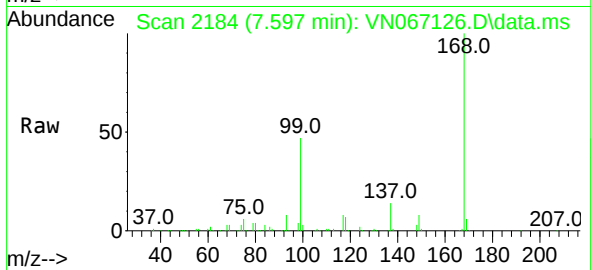
Acq: 18 May 2021 14:52

Tgt Ion:168 Resp: 652986

Ion Ratio Lower Upper

168 100

99 46.7 38.5 57.7



#3

Chloromethane

Concen: 0.30 ug/l

RT: 2.056 min Scan# 118

Delta R.T. 0.003 min

Lab File: VN067126.D

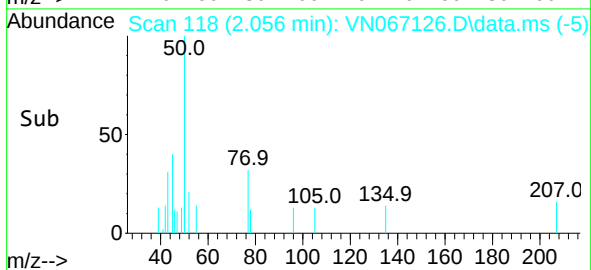
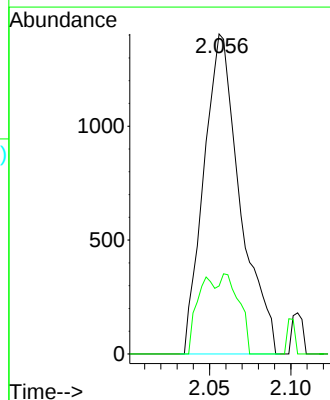
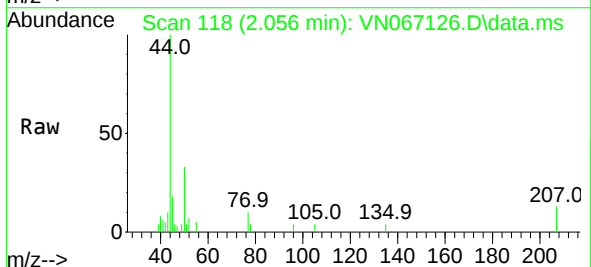
Acq: 18 May 2021 14:52

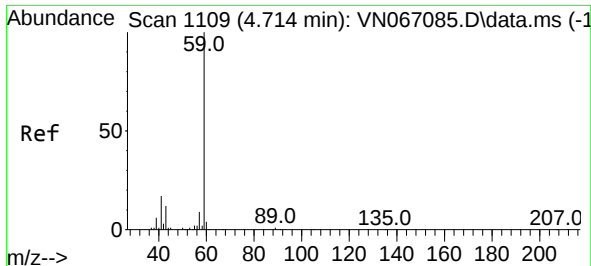
Tgt Ion: 50 Resp: 2183

Ion Ratio Lower Upper

50 100

52 21.3 26.5 39.7#

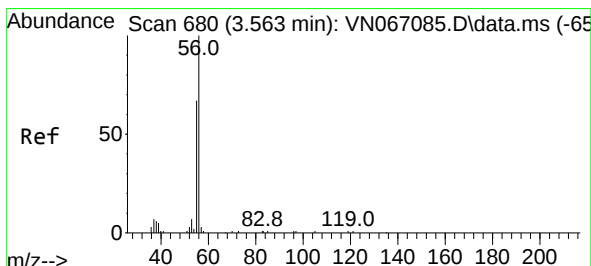
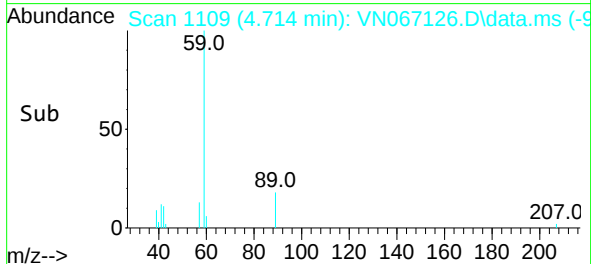
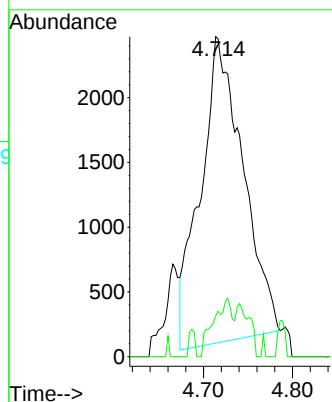
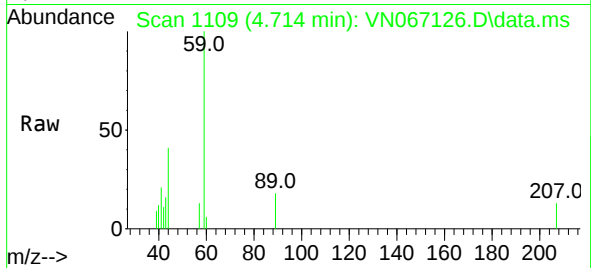




#11
Tert butyl alcohol
Concen: 6.66 ug/l
RT: 4.714 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

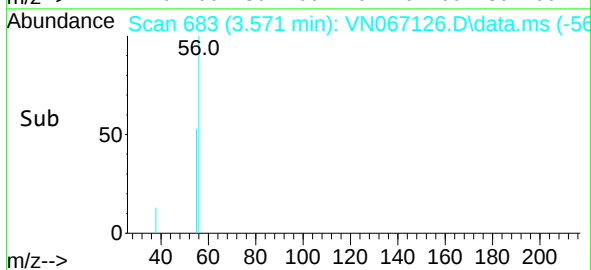
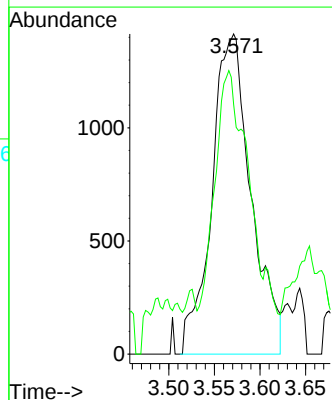
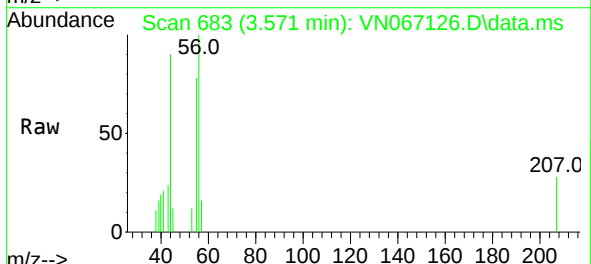
Instrument :
MSVOA_N
ClientSampled :

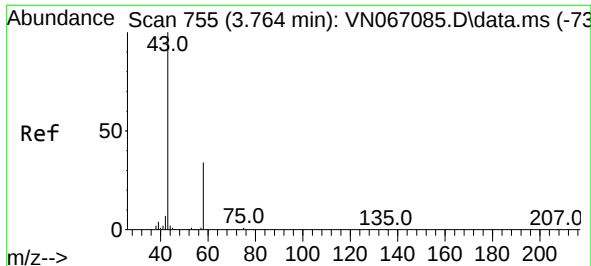
Tgt Ion: 59 Resp: 7833
Ion Ratio Lower Upper
59 100
57 8.8 3.5 5.3#



#13
Acrolein
Concen: 4.24 ug/l
RT: 3.571 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 56 Resp: 4233
Ion Ratio Lower Upper
56 100
55 59.5 53.8 80.6

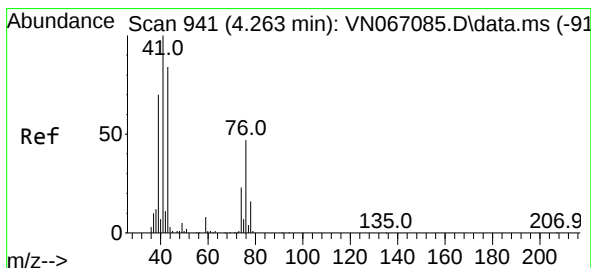
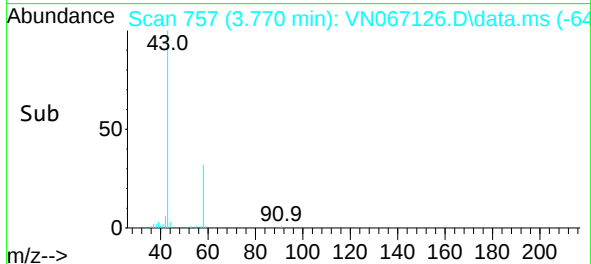
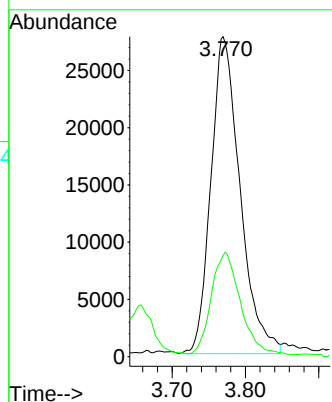
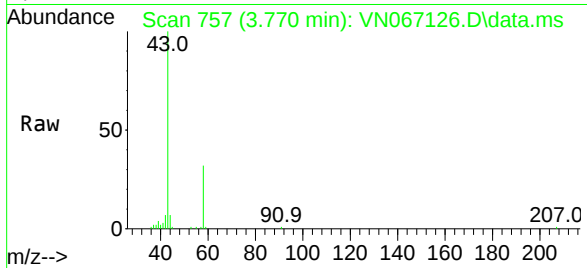




#16
Acetone
Concen: 34.97 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

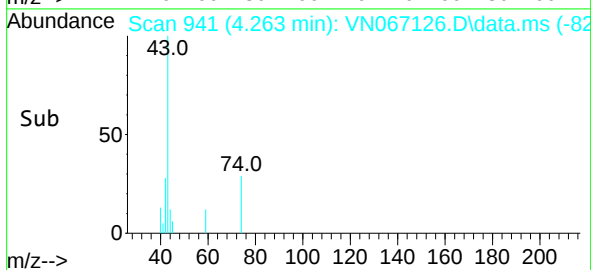
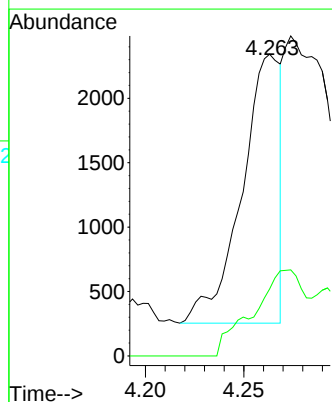
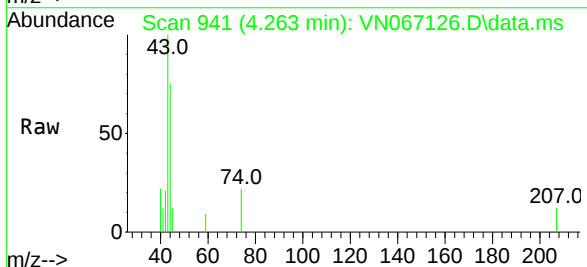
Instrument :
MSVOA_N
ClientSampled :

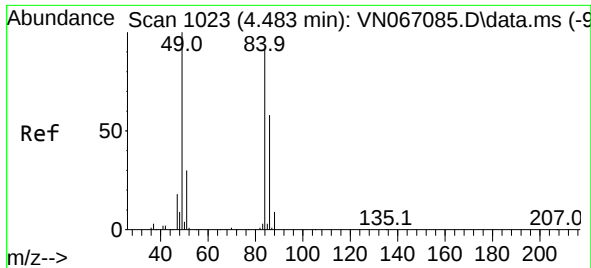
Tgt Ion: 43 Resp: 76666
Ion Ratio Lower Upper
43 100
58 30.7 27.2 40.8



#18
Methyl Acetate
Concen: 0.44 ug/l
RT: 4.263 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

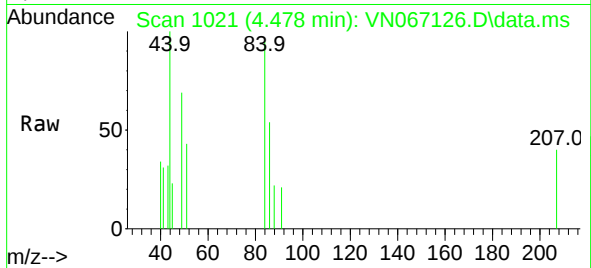
Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
74 43.6 21.4 32.2#





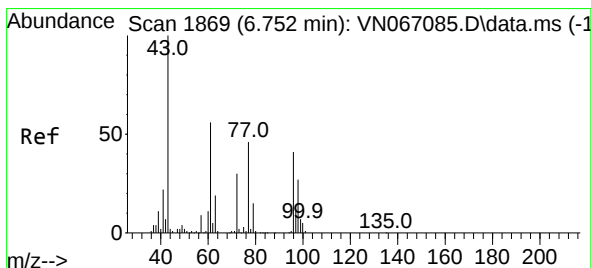
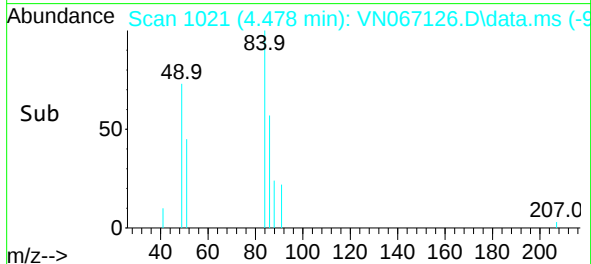
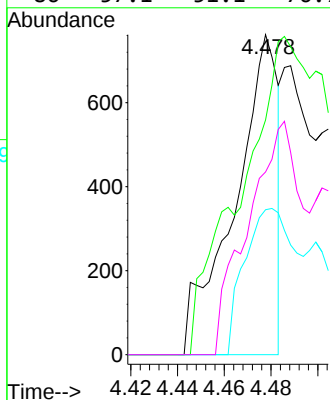
#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.478 min Scan# 1021
Delta R.T. -0.005 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 975

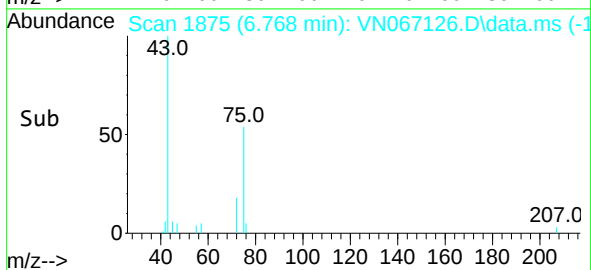
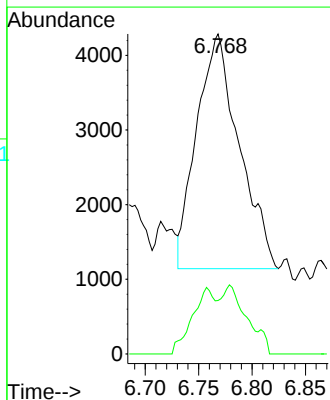
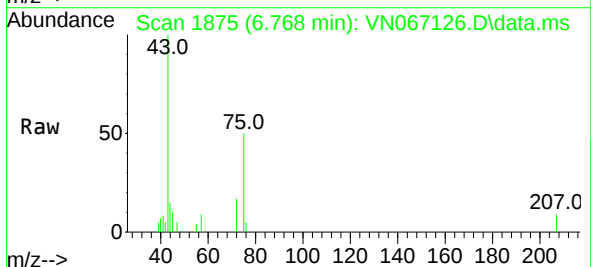
Ion	Ratio	Lower	Upper
84	100		
49	73.4	88.3	132.5#
51	45.3	26.7	40.1#
86	57.1	51.1	76.7

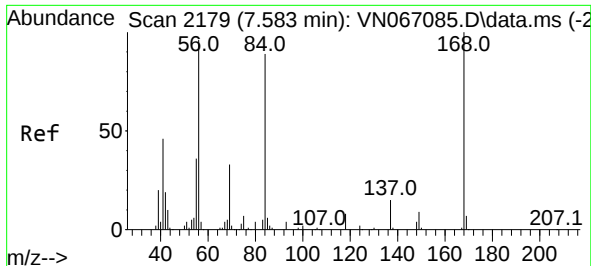


#25
2-Butanone
Concen: 2.54 ug/l
RT: 6.768 min Scan# 1875
Delta R.T. 0.016 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 43 Resp: 8681

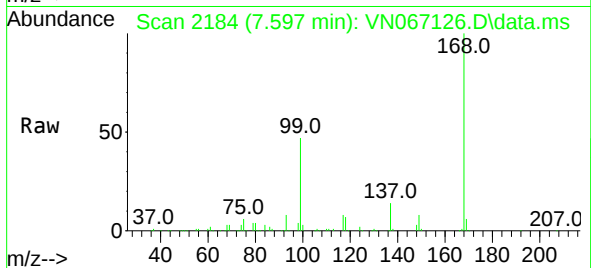
Ion	Ratio	Lower	Upper
43	100		
72	22.8	24.4	36.6#



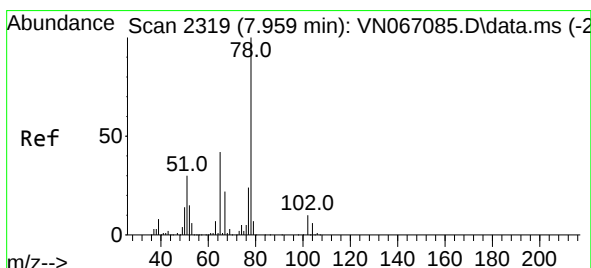
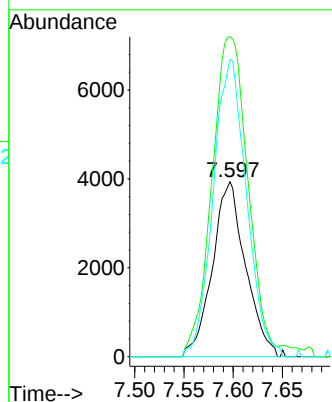
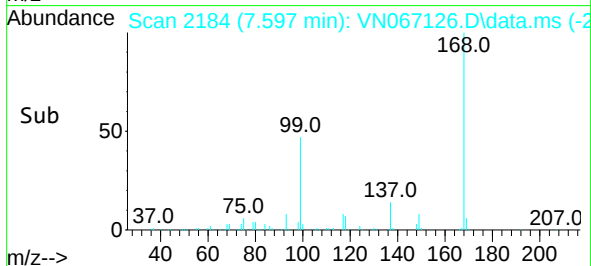


#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

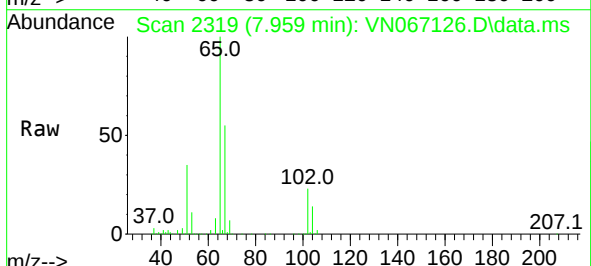
Instrument :
MSVOA_N
ClientSampleId :



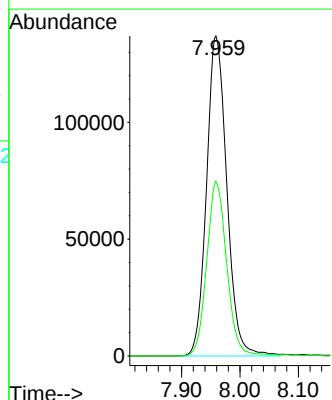
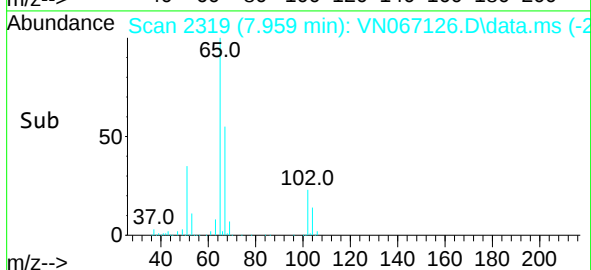
Tgt Ion: 56 Resp: 9218
Ion Ratio Lower Upper
56 100
69 183.0 28.0 42.0#
84 170.0 74.2 111.2#

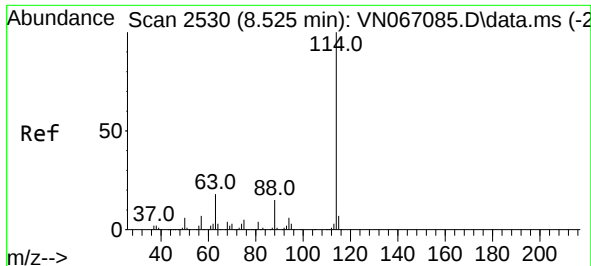


#33
1,2-Dichloroethane-d4
Concen: 46.92 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. -0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52



Tgt Ion: 65 Resp: 330998
Ion Ratio Lower Upper
65 100
67 53.7 0.0 110.4

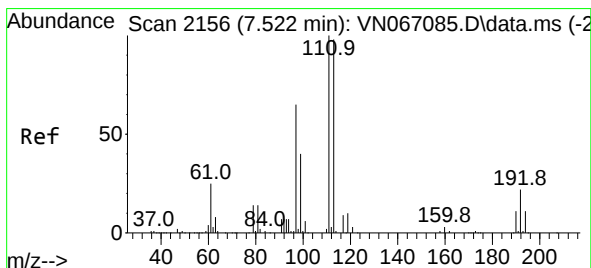
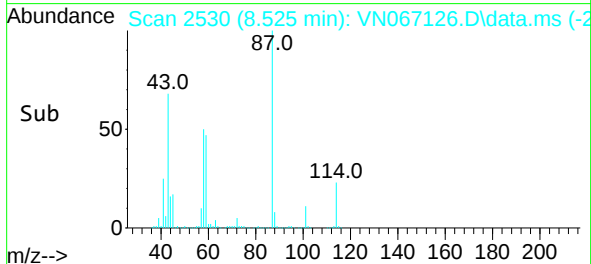
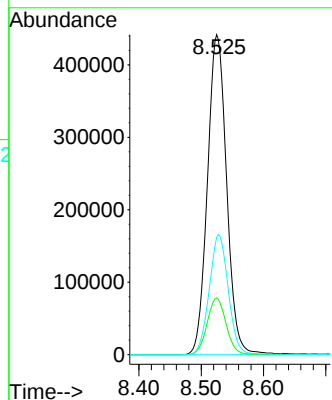
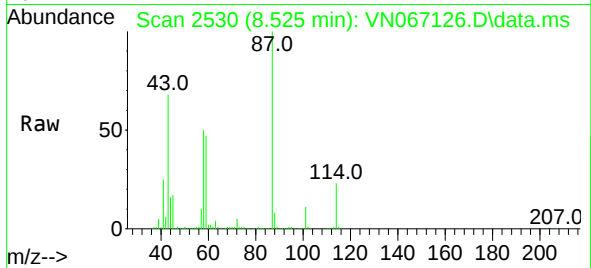




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

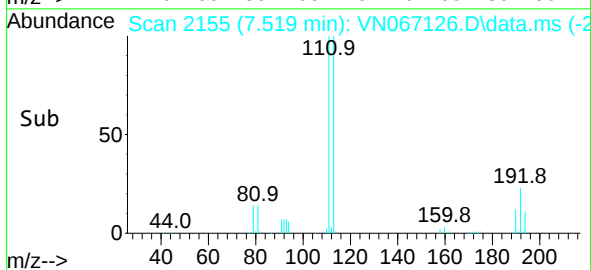
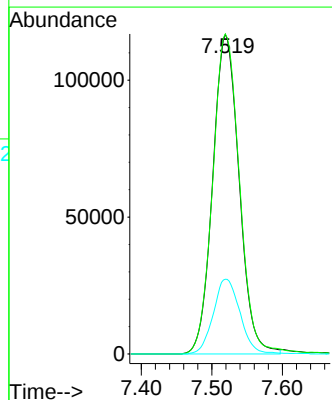
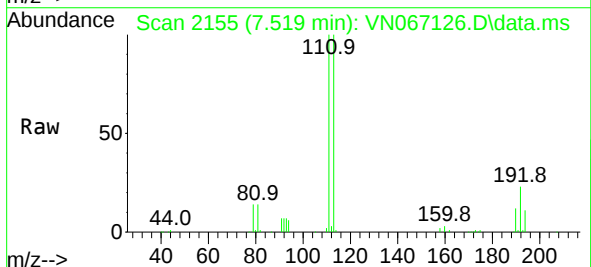
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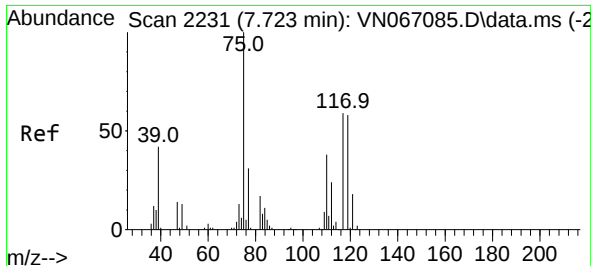
Tgt Ion:114 Resp: 945271
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.8
88 36.6 0.0 30.4#



#35
Dibromofluoromethane
Concen: 48.94 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion:113 Resp: 303749
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 23.7 18.2 27.4

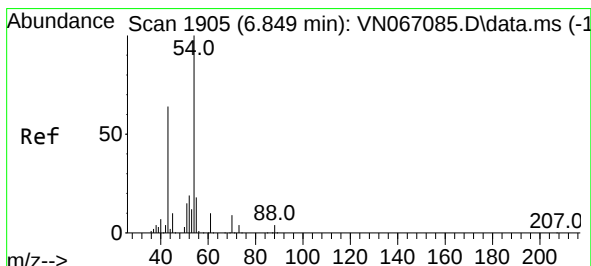
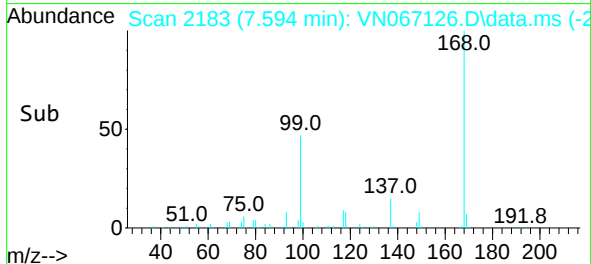
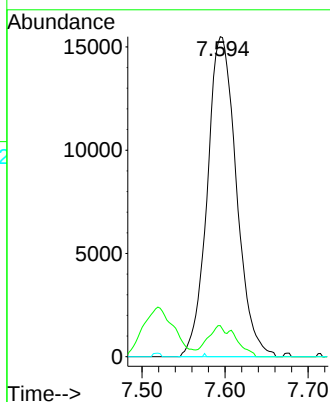
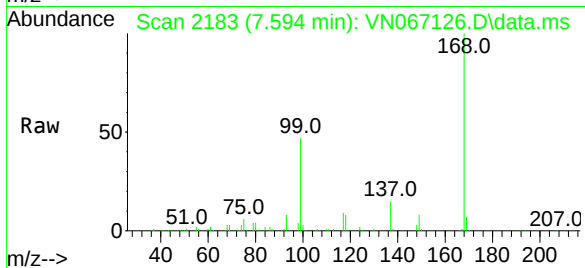




#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. -0.129 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

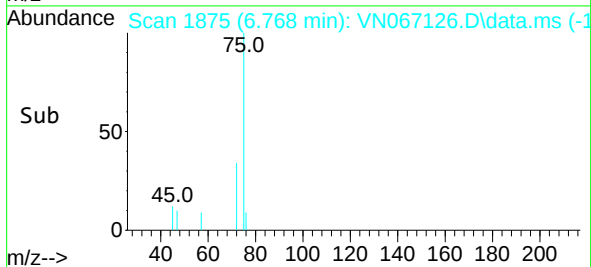
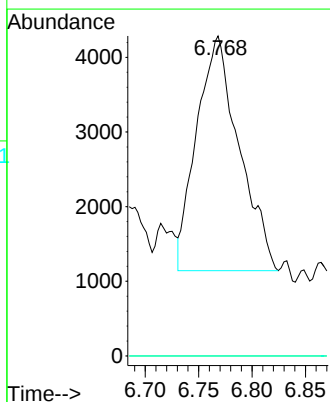
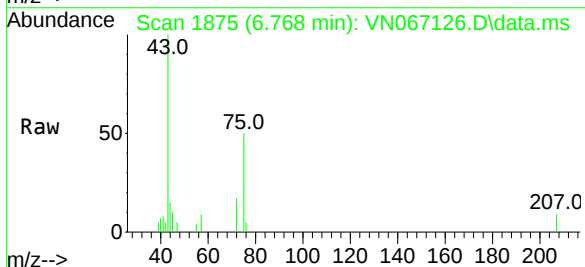
Instrument :
MSVOA_N
ClientSampled :

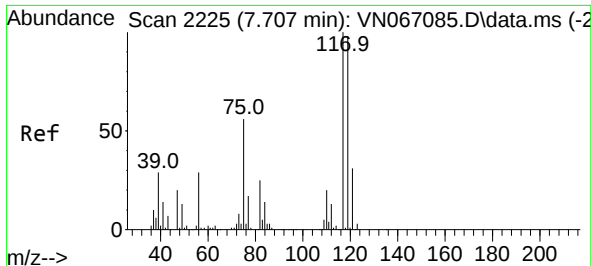
Tgt Ion: 75 Resp: 37680
Ion Ratio Lower Upper
75 100
110 4.2 19.1 57.3#
77 0.1 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.14 ug/l
RT: 6.768 min Scan# 1875
Delta R.T. -0.081 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

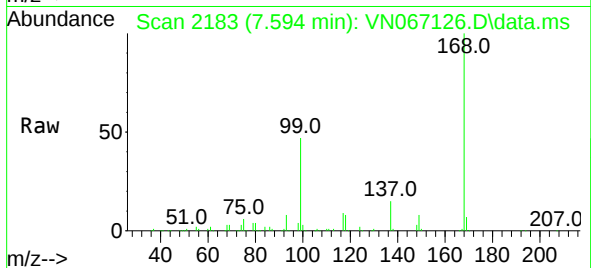
Tgt Ion: 43 Resp: 8681
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.2 13.8#



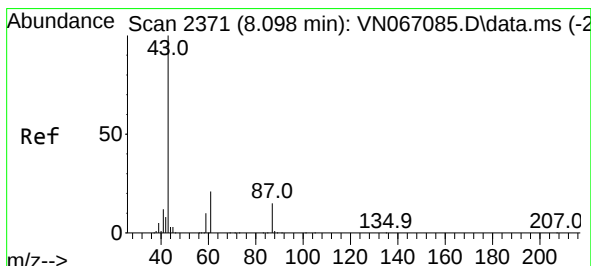
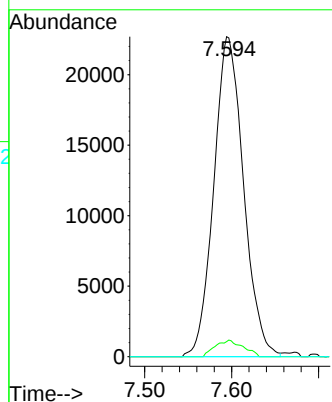
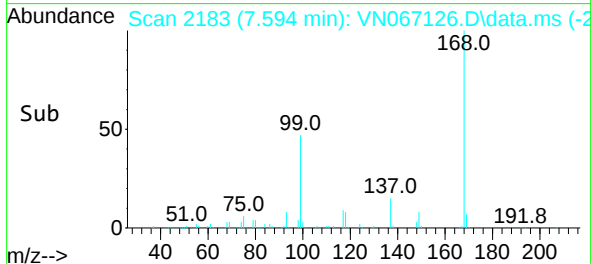


#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. -0.113 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

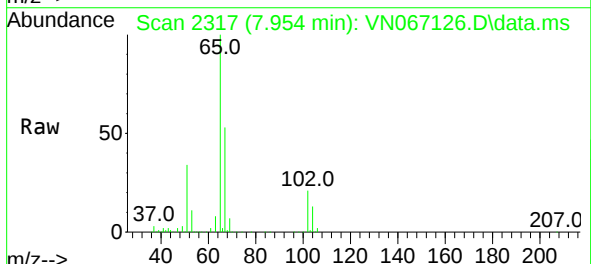
Instrument :
MSVOA_N
ClientSampled :



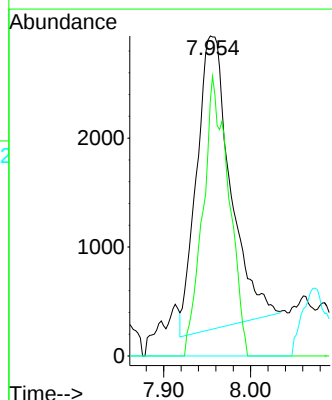
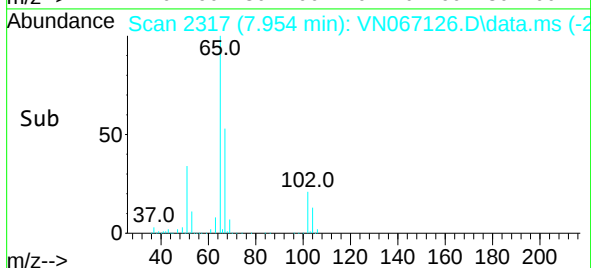
Tgt Ion: 117 Resp: 53963
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.7 37.1#

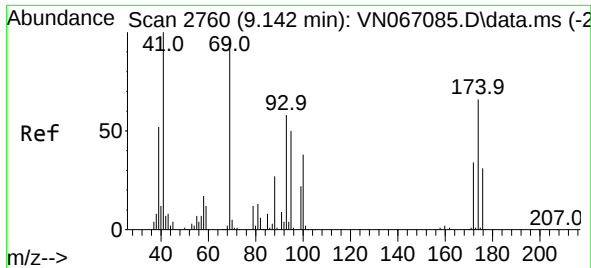


#43
Isopropyl Acetate
Concen: 0.58 ug/l
RT: 7.954 min Scan# 2317
Delta R.T. -0.145 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52



Tgt Ion: 43 Resp: 7268
Ion Ratio Lower Upper
43 100
61 73.2 23.4 35.0#
87 0.0 12.2 18.2#

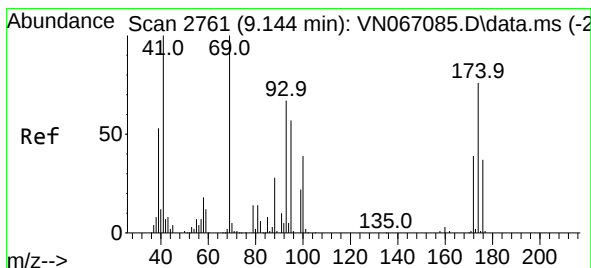
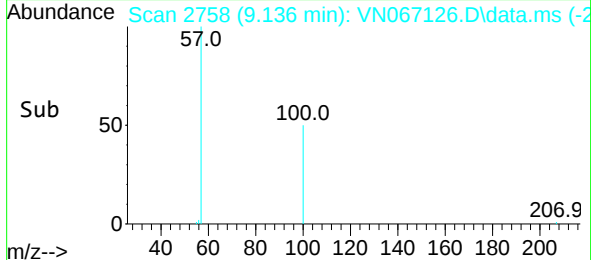
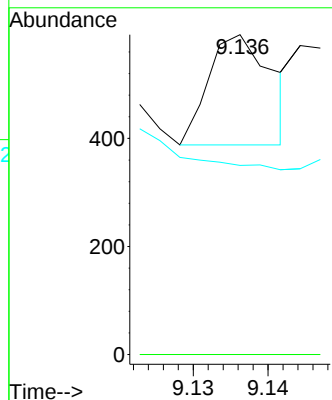
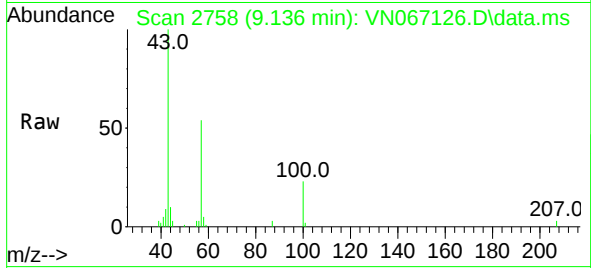




#48
Methyl methacrylate
Concen: 1.96 ug/l
RT: 9.136 min Scan# 2758
Delta R.T. -0.006 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

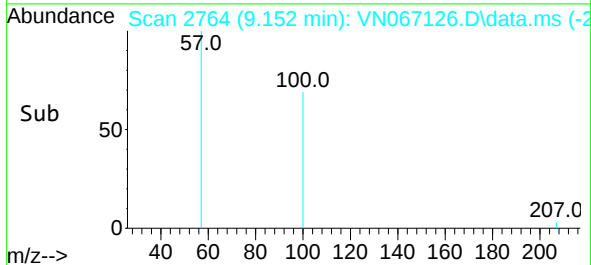
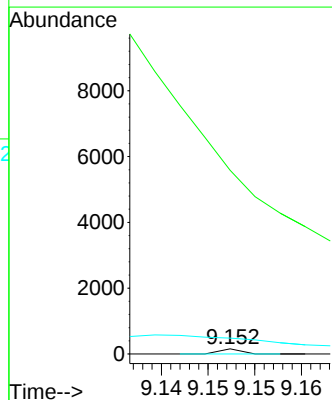
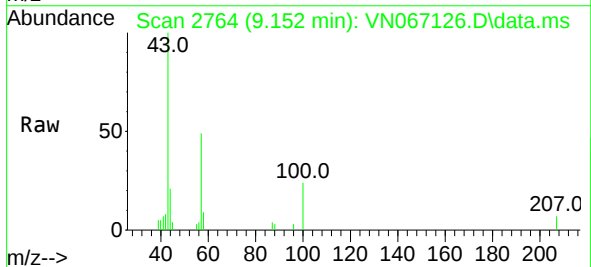
Instrument :
MSVOA_N
ClientSampled :

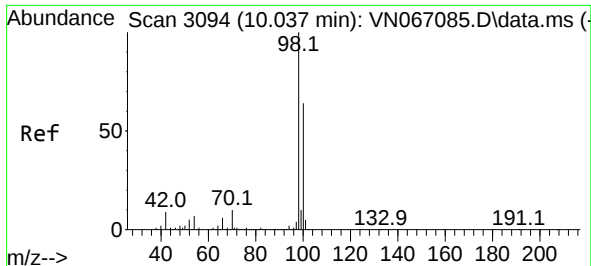
Tgt Ion: 41 Resp: 120
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#49
1,4-Dioxane
Concen: 0.28 ug/l
RT: 9.152 min Scan# 2764
Delta R.T. 0.008 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 0.0 50.8 76.2#

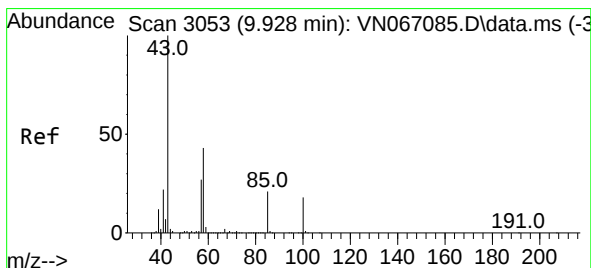
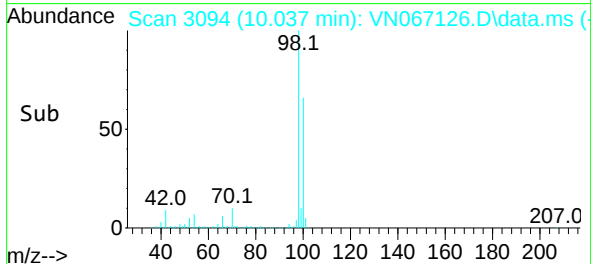
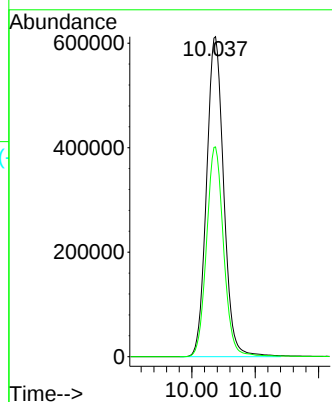
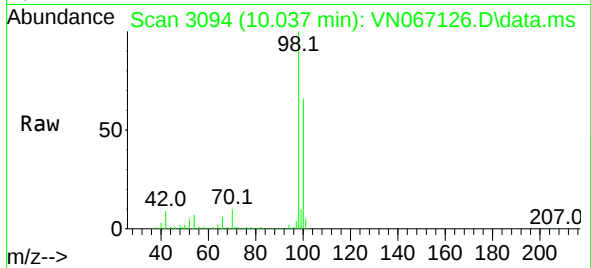




#50
Toluene-d8
Concen: 48.93 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

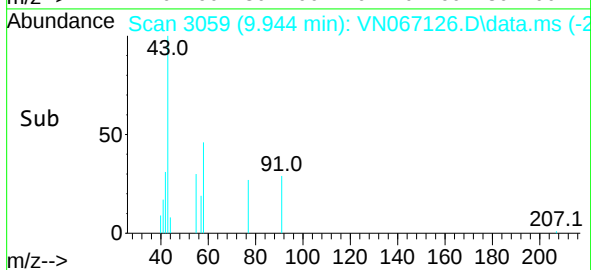
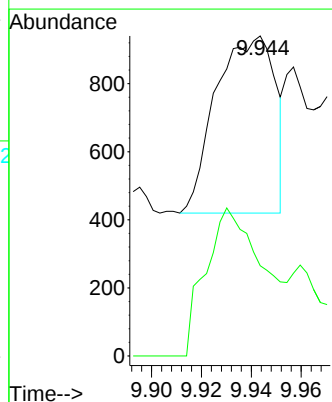
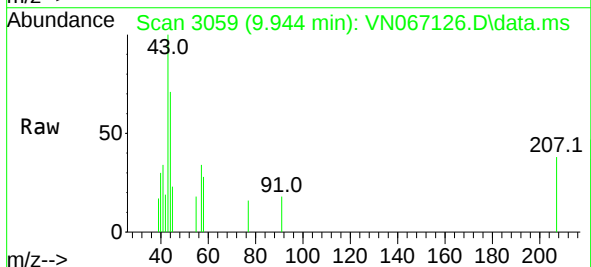
Instrument :
MSVOA_N
ClientSampled :

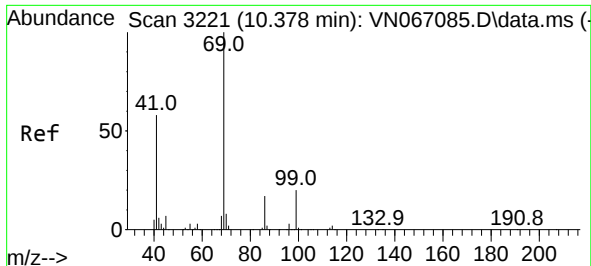
Tgt Ion: 98 Resp: 1151175
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 5.51 ug/l
RT: 9.944 min Scan# 3059
Delta R.T. 0.016 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
58 83.3 34.5 51.7#

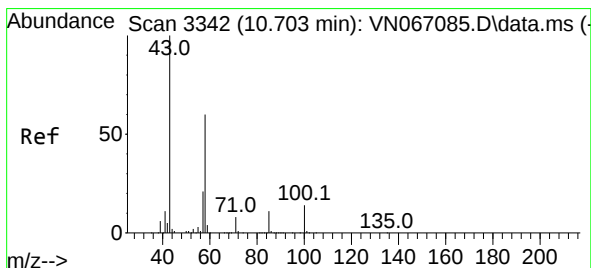
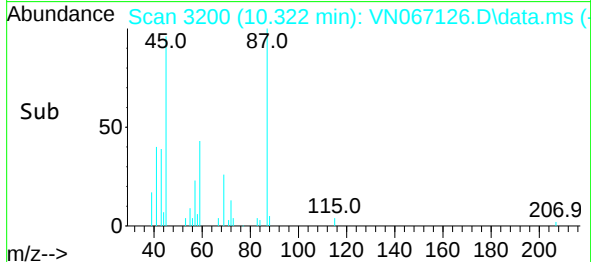
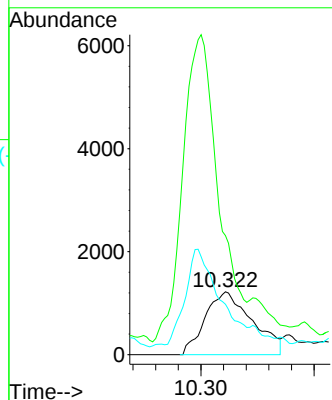
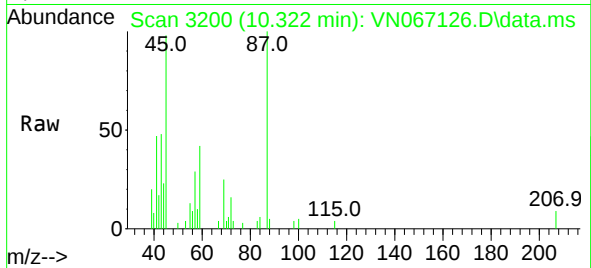




#56
Ethyl methacrylate
Concen: 2.27 ug/l
RT: 10.322 min Scan# 3200
Delta R.T. -0.056 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

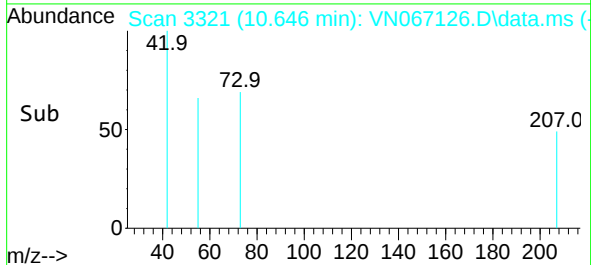
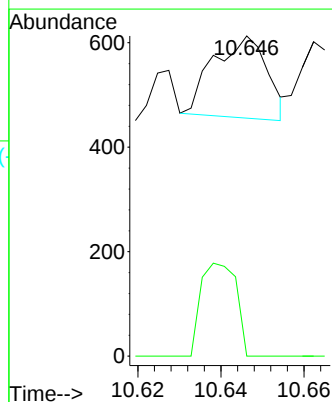
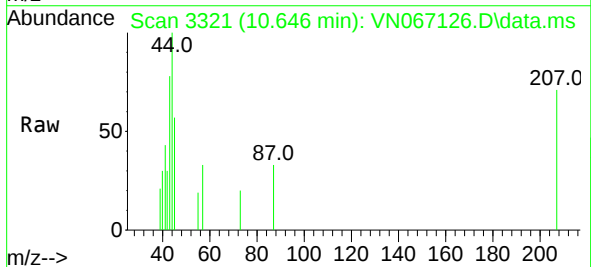
Instrument :
MSVOA_N
ClientSampleId :

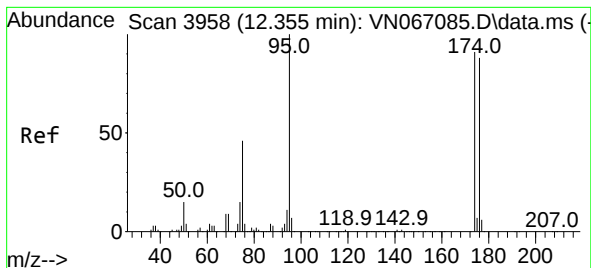
Tgt Ion:	69	Resp:	3526
Ion	Ratio	Lower	Upper
69	100		
41	0.0	45.5	68.3#
39	0.0	22.9	34.3#



#59
2-Hexanone
Concen: 21.94 ug/l
RT: 10.646 min Scan# 3321
Delta R.T. -0.057 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion:	43	Resp:	139
Ion	Ratio	Lower	Upper
43	100		
58	75.5	29.8	89.5

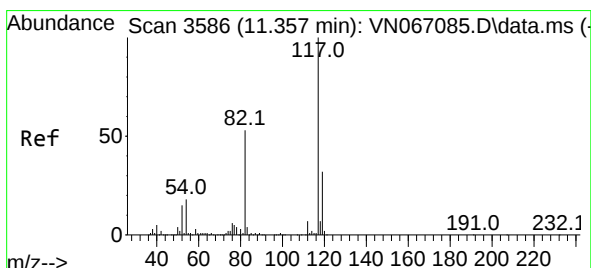
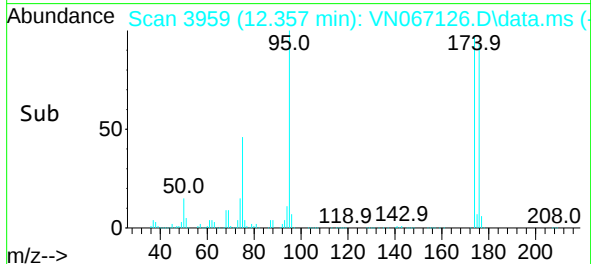
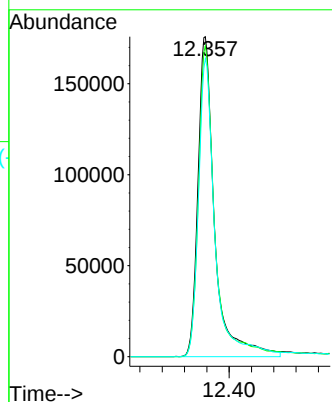
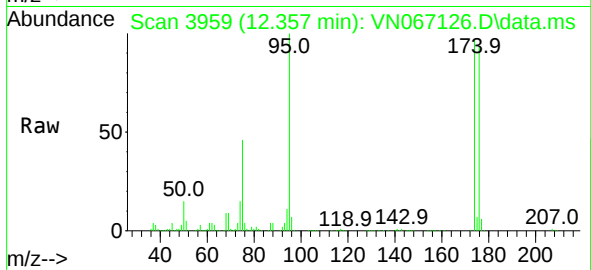




#62
4-Bromofluorobenzene
Concen: 46.29 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

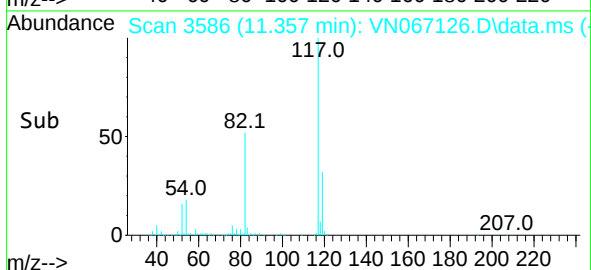
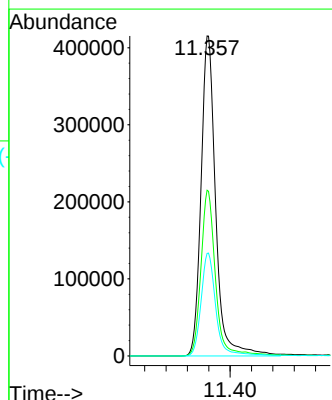
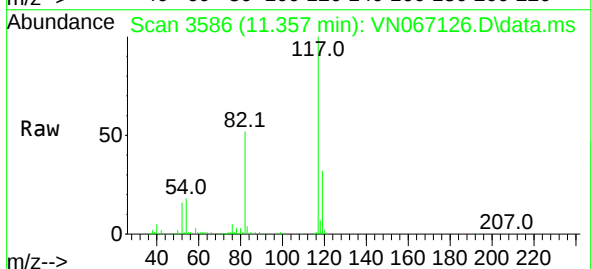
Instrument :
MSVOA_N
ClientSampled :

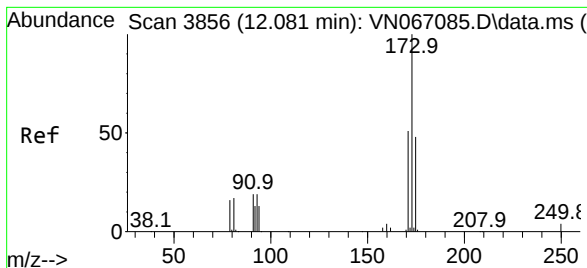
Tgt Ion: 95 Resp: 364789
Ion Ratio Lower Upper
95 100
174 94.1 0.0 182.8
176 92.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. -0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 117 Resp: 793116
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.2
119 32.1 25.8 38.6

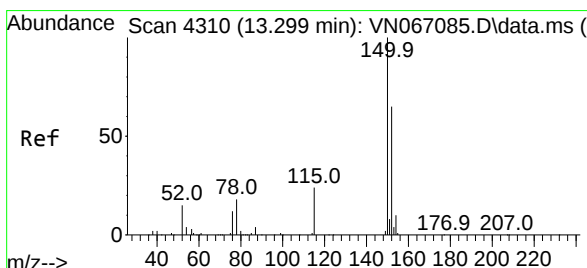
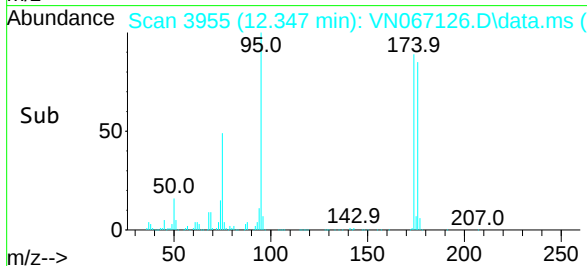
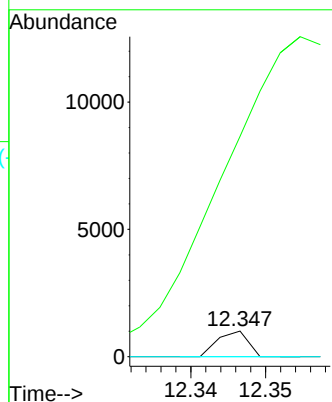
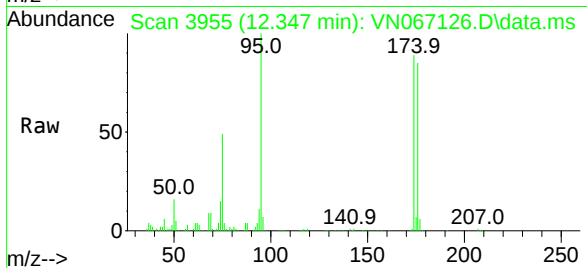




#71
Bromoform
Concen: 1.81 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.266 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

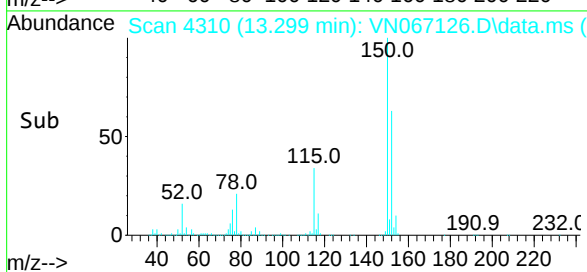
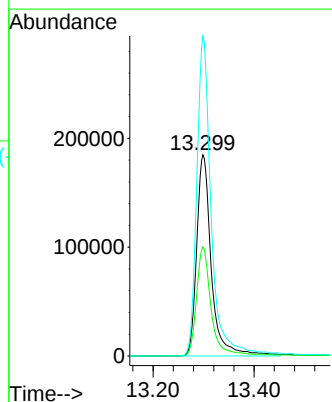
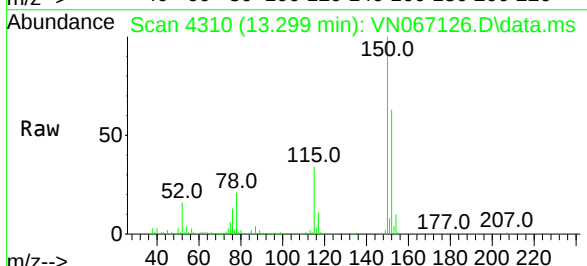
Instrument :
MSVOA_N
ClientSampled :

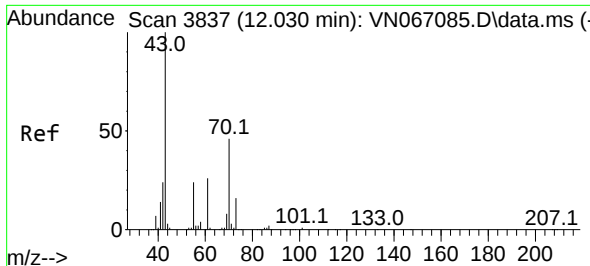
Tgt Ion:173 Resp: 283
Ion Ratio Lower Upper
173 100
175 6983.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.299 min Scan# 4310
Delta R.T. -0.000 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

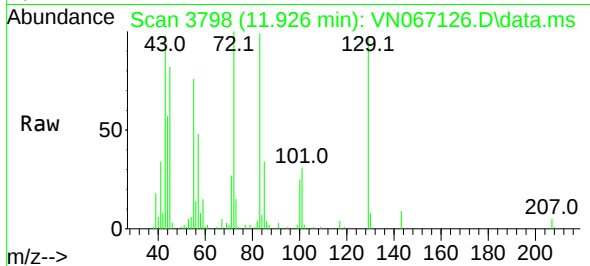
Tgt Ion:152 Resp: 373391
Ion Ratio Lower Upper
152 100
115 52.9 27.0 80.8
150 154.5 0.0 350.2



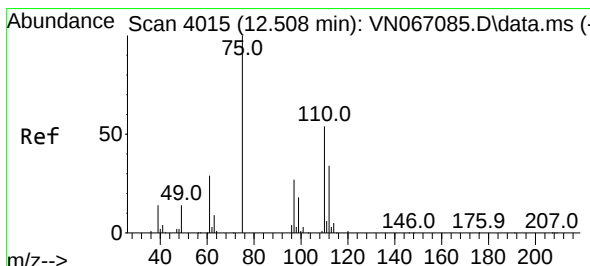
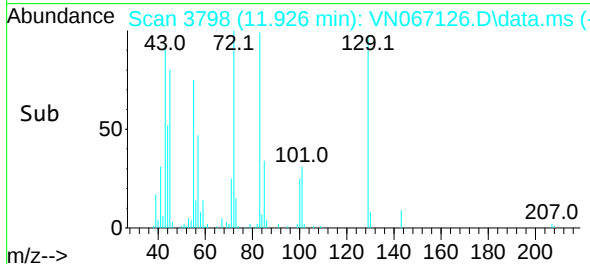
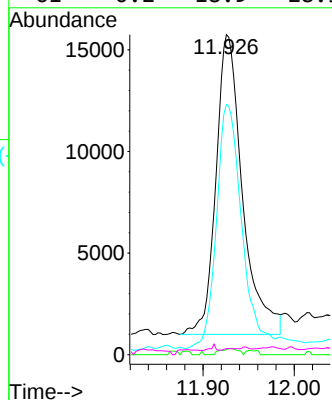


#74
N-amy1 acetate
Concen: 5.75 ug/l
RT: 11.926 min Scan# 3798
Delta R.T. -0.104 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Instrument :
MSVOA_N
ClientSampleId :

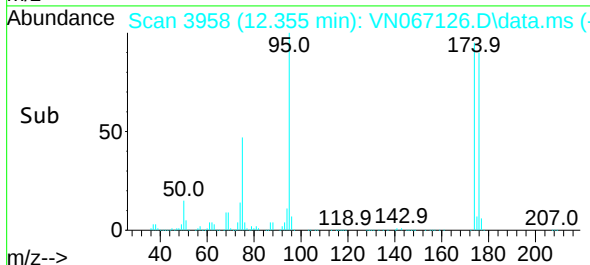
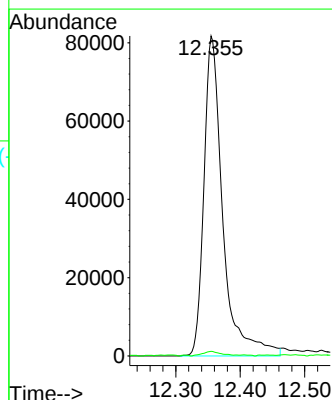
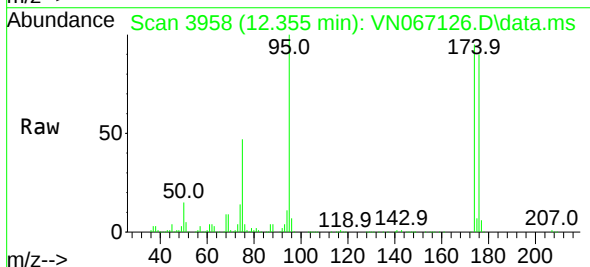


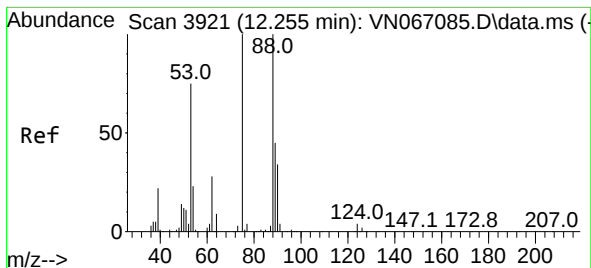
Tgt Ion: 43	Resp: 29880
Ion Ratio	Lower Upper
43	100
70	1.4 36.7 55.1#
55	77.6 17.6 26.4#
61	0.2 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 21.09 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. -0.153 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 75	Resp: 166145
Ion Ratio	Lower Upper
75	100
77	1.4 0.0 0.0#

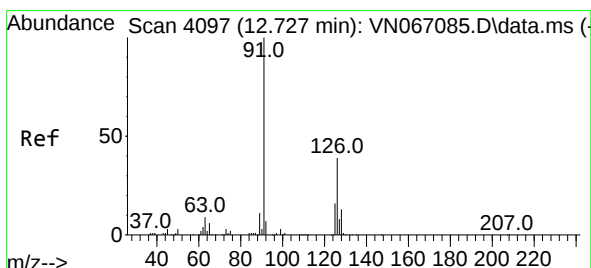
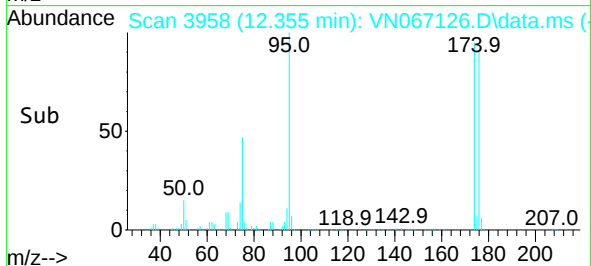
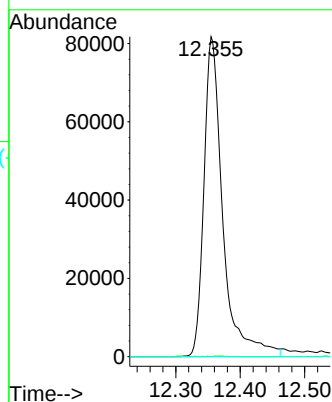
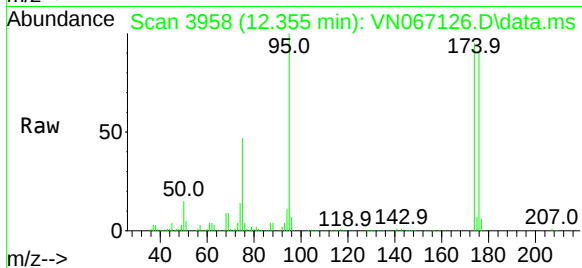




#81
trans-1,4-Dichloro-2-butene
Concen: 63.54 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. 0.100 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

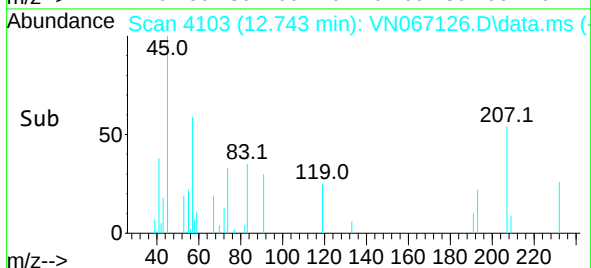
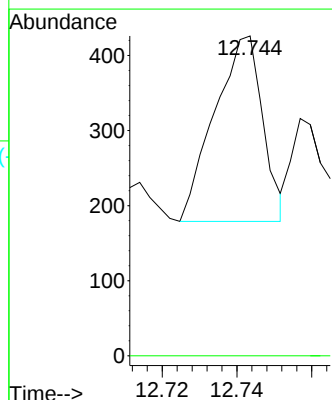
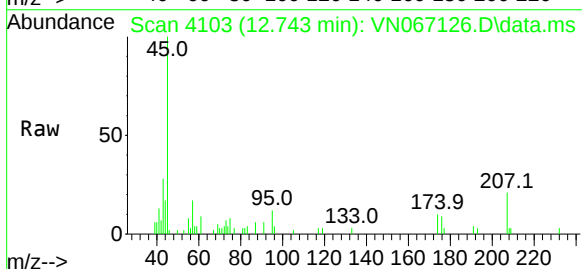
Instrument :
MSVOA_N
ClientSampleId :

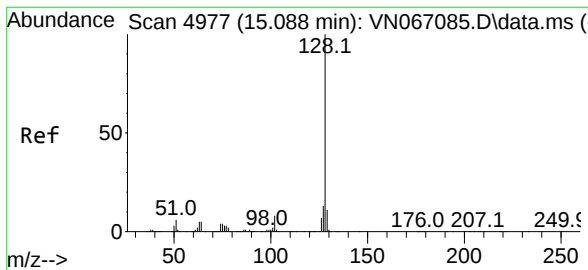
Tgt Ion: 75 Resp: 166145
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.743 min Scan# 4103
Delta R.T. 0.016 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Tgt Ion: 91 Resp: 221
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#





#95
Naphthalene
Concen: 4.15 ug/l
RT: 15.093 min Scan# 4979
Delta R.T. 0.005 min
Lab File: VN067126.D
Acq: 18 May 2021 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	15253
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.2
129	10.1	8.6	13.0

