

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067153.D
 Acq On : 19 May 2021 15:54
 Operator : JC/MD
 Sample : M2366-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:56:33 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)

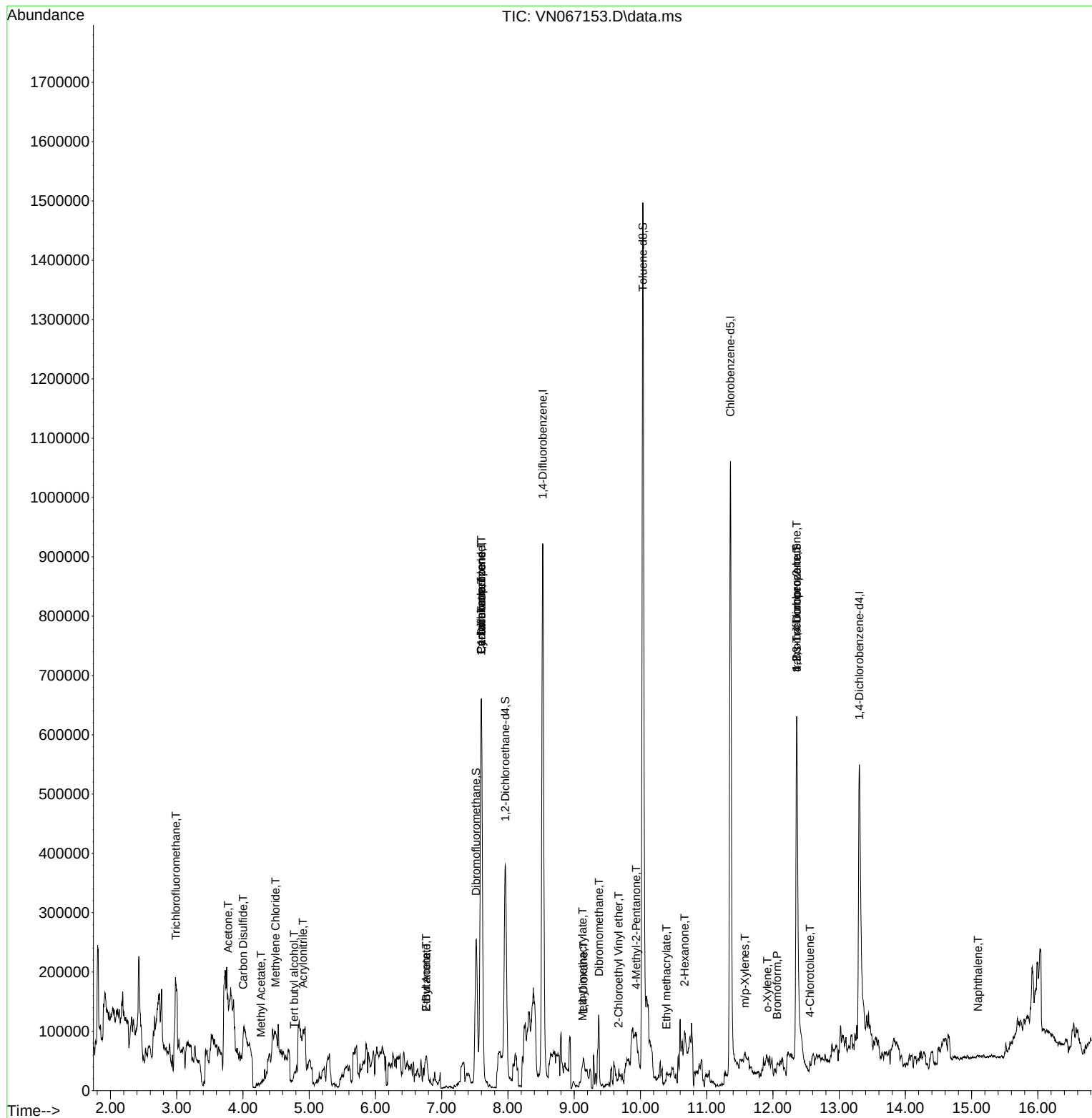
Internal Standards						
1) Pentafluorobenzene	7.599	168	636249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	870945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	747233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.304	152	252895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	301470	43.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.72%		
35) Dibromofluoromethane	7.519	113	197874	34.60	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	69.20%		
50) Toluene-d8	10.037	98	1089405	50.26	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.52%		
62) 4-Bromofluorobenzene	12.360	95	308247	42.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.92%		
Target Compounds					Qvalue	
7) Trichlorofluoromethane	2.989	101	2089	0.23	ug/l #	42
11) Tert butyl alcohol	4.773	59	266	0.23	ug/l #	22
13) Acrolein	3.560	56	483	Below Cal	#	38
15) Acrylonitrile	4.904	53	698	0.27	ug/l #	27
16) Acetone	3.775	43	126382	59.16	ug/l	100
17) Carbon Disulfide	4.003	76	6015	0.38	ug/l #	89
18) Methyl Acetate	4.274	43	3317	0.52	ug/l	100
20) Methylene Chloride	4.491	84	31665	4.60	ug/l	92
25) 2-Butanone	6.765	43	31946	9.59	ug/l	90
31) Cyclohexane	7.599	56	9046	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	36280	4.57	ug/l #	50
37) Ethyl Acetate	6.765	43	31946	4.55	ug/l #	66
38) Carbon Tetrachloride	7.599	117	51889	6.13	ug/l #	16
46) Dibromomethane	9.375	93	986	0.23	ug/l	86
48) Methyl methacrylate	9.126	41	9291	3.54	ug/l #	14
49) 1,4-Dioxane	9.139	88	101	1.22	ug/l #	27
51) 4-Methyl-2-Pentanone	9.938	43	6355	6.29	ug/l #	59
56) Ethyl methacrylate	10.391	69	313	1.97	ug/l #	41
58) 2-Chloroethyl Vinyl ether	9.670	63	396	4.90	ug/l	97
59) 2-Hexanone	10.668	43	21501	26.26	ug/l #	24
68) m/p-Xylenes	11.577	106	9079	0.84	ug/l	93
69) o-Xylene	11.915	106	8760	0.80	ug/l	96
71) Bromoform	12.062	173	252	1.81	ug/l #	28
76) 1,2,3-Trichloropropane	12.360	75	117319	21.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	117319	66.07	ug/l #	16
82) 4-Chlorotoluene	12.558	91	69	1.19	ug/l	99
95) Naphthalene	15.096	128	51	3.26	ug/l #	1

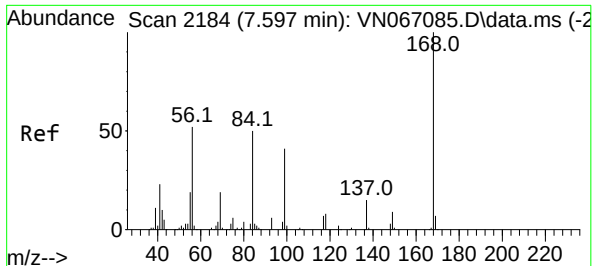
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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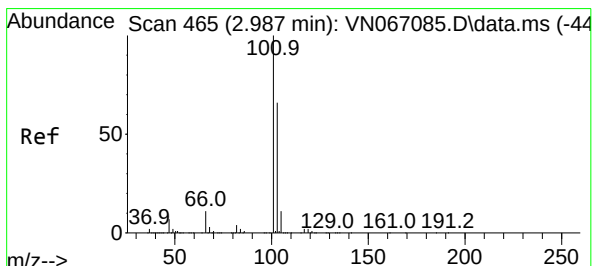
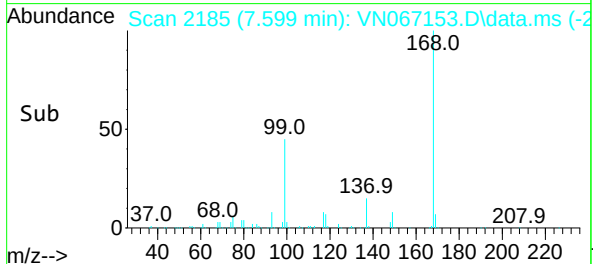
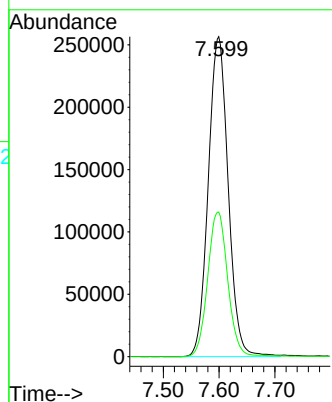
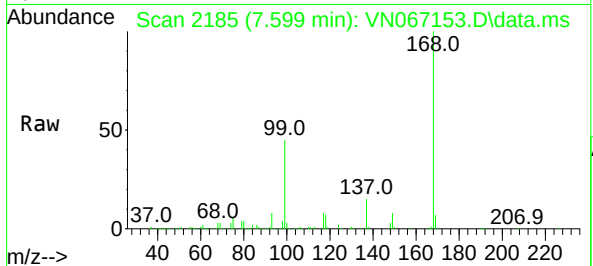




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. 0.002 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

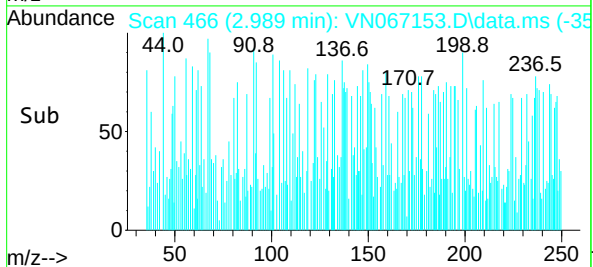
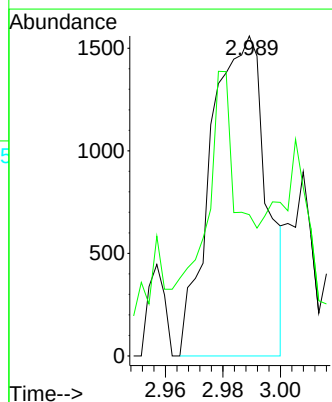
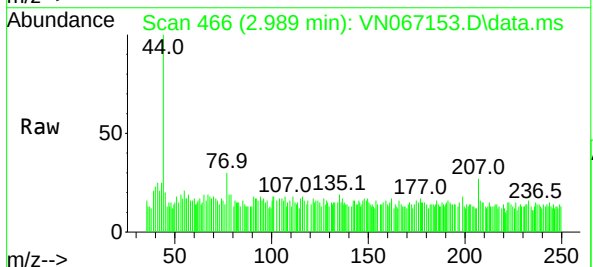
Instrument :
MSVOA_N
ClientSampled :

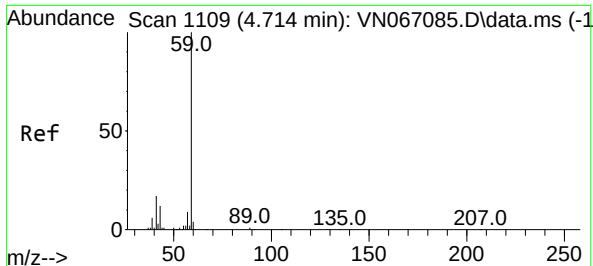
Tgt Ion:168 Resp: 636249
Ion Ratio Lower Upper
168 100
99 45.2 38.5 57.7



#7
Trichlorofluoromethane
Concen: 0.23 ug/l
RT: 2.989 min Scan# 466
Delta R.T. 0.002 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion:101 Resp: 2089
Ion Ratio Lower Upper
101 100
103 19.9 53.2 79.8#



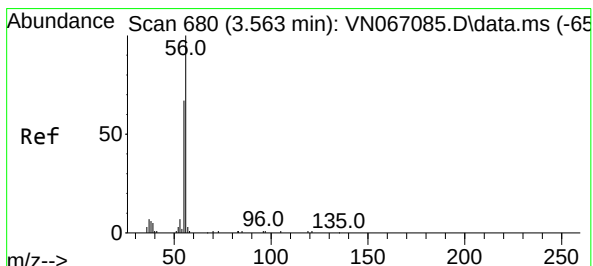
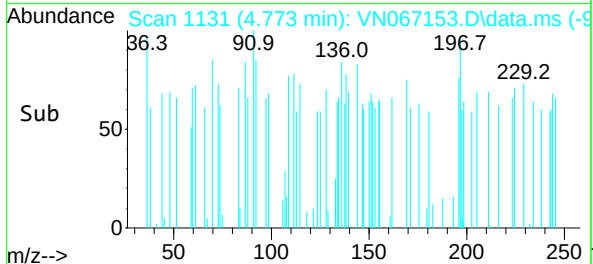
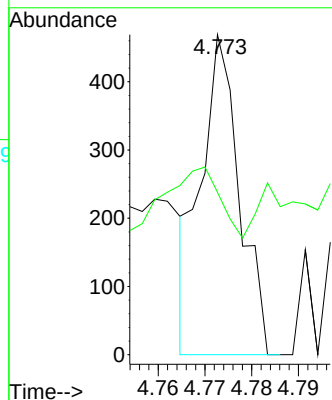
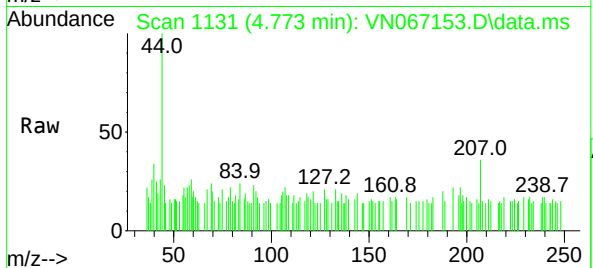


#11

Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.773 min Scan# 1131
Delta R.T. 0.059 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Instrument :
MSVOA_N
ClientSampled :

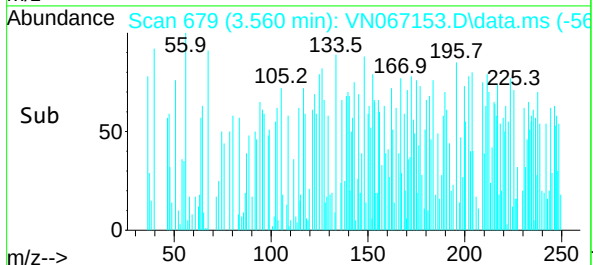
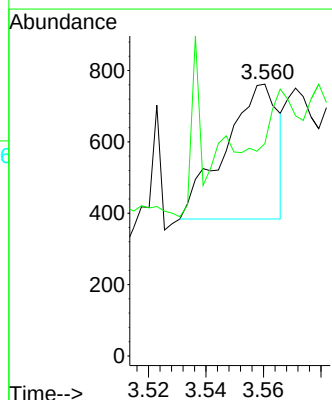
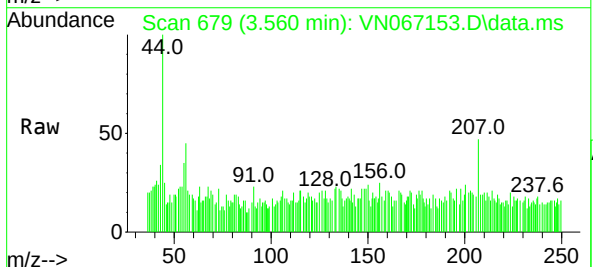
Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 30.1 3.5 5.3#

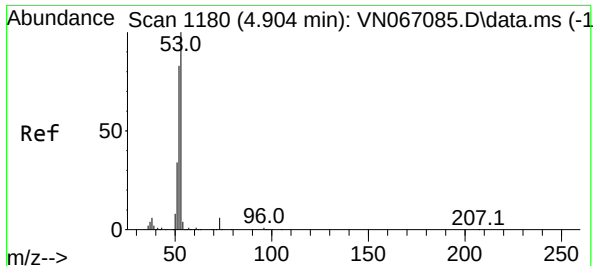


#13

Acrolein
Concen: Below Cal
RT: 3.560 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 56 Resp: 483
Ion Ratio Lower Upper
56 100
55 17.2 53.8 80.6#

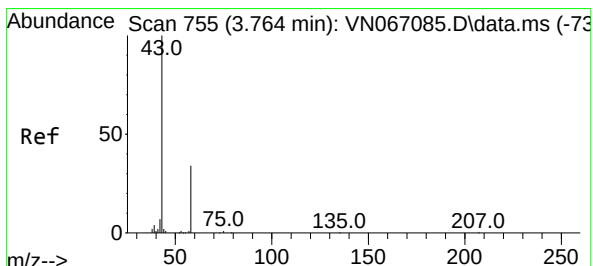
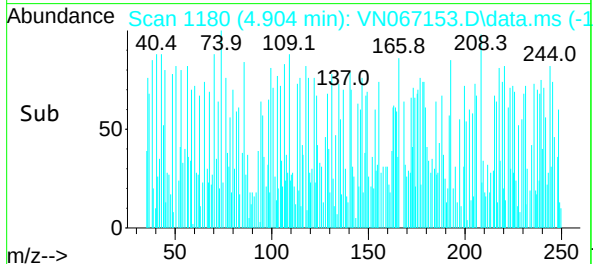
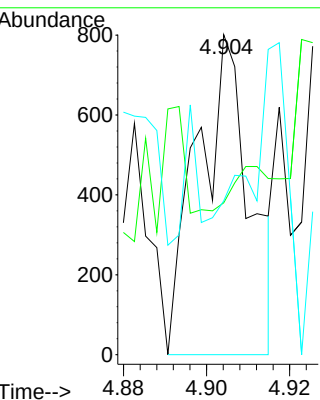
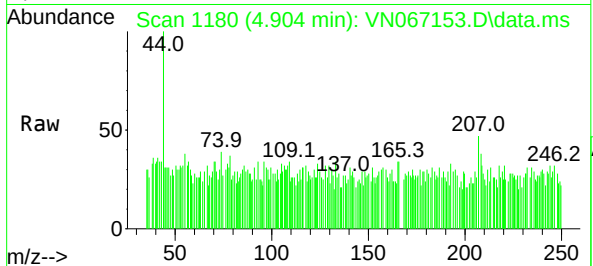




#15
Acrylonitrile
Concen: 0.27 ug/l
RT: 4.904 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

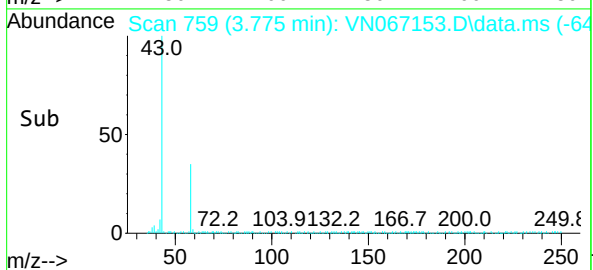
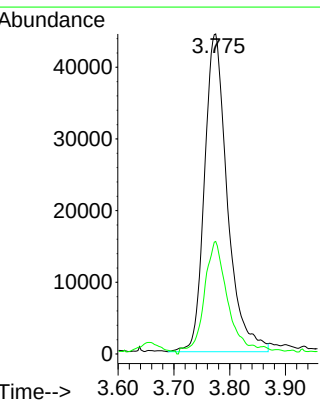
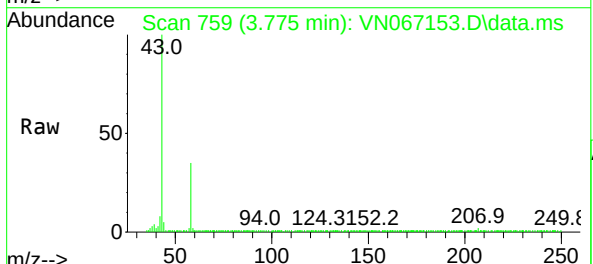
Instrument :
MSVOA_N
ClientSampled :

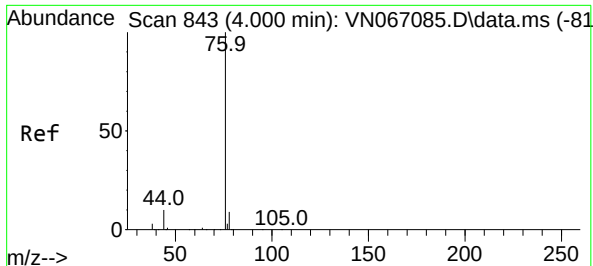
Tgt Ion: 53 Resp: 698
Ion Ratio Lower Upper
53 100
52 13.2 66.6 100.0#
51 0.0 28.6 42.8#



#16
Acetone
Concen: 59.16 ug/l
RT: 3.775 min Scan# 759
Delta R.T. 0.011 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 43 Resp: 126382
Ion Ratio Lower Upper
43 100
58 34.3 27.2 40.8

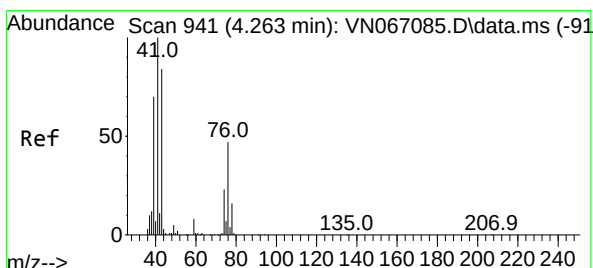
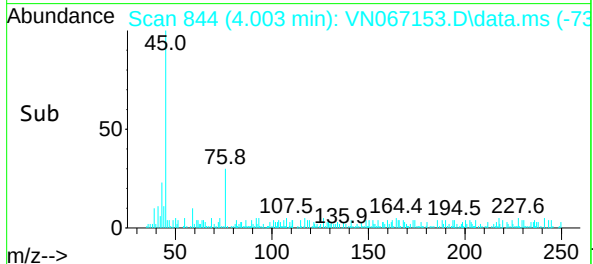
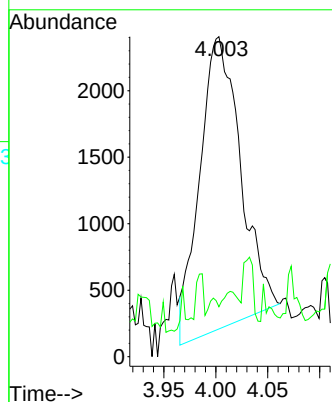
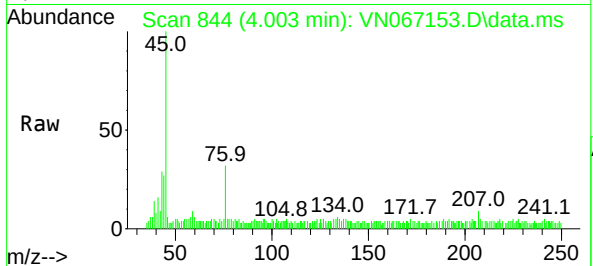




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.003 min Scan# 844
Delta R.T. 0.003 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

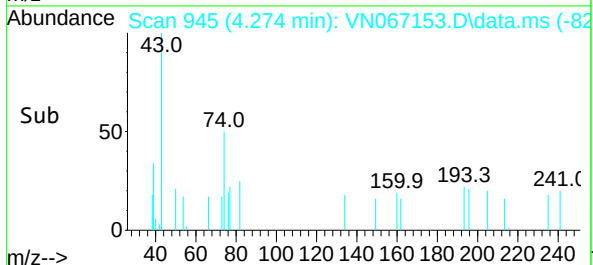
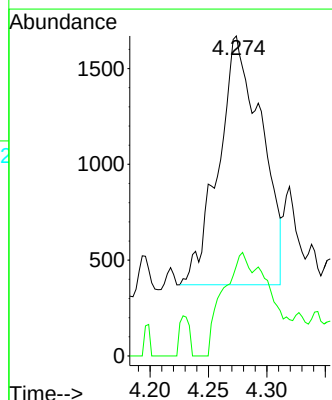
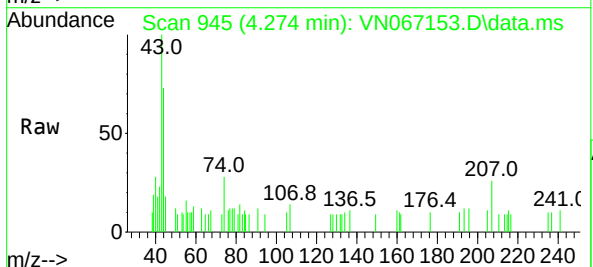
Instrument :
MSVOA_N
ClientSampleId :

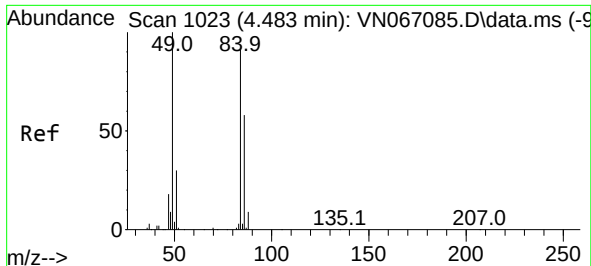
Tgt Ion: 76 Resp: 6015
Ion Ratio Lower Upper
76 100
78 5.3 7.5 11.3#



#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 4.274 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
74 26.6 21.4 32.2

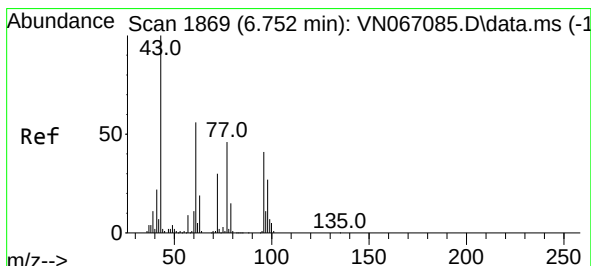
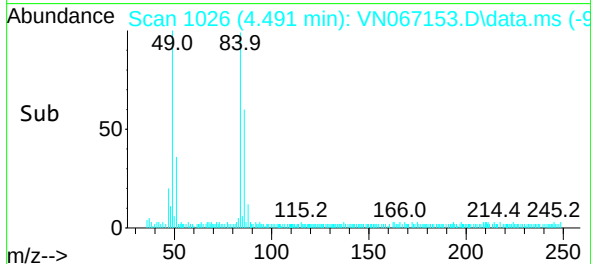
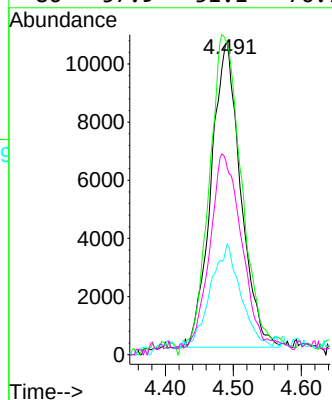
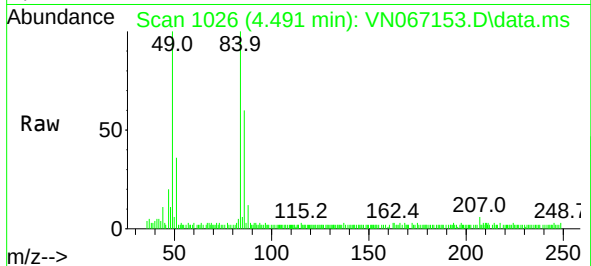




#20
Methylene Chloride
Concen: 4.60 ug/l
RT: 4.491 min Scan# 1026
Delta R.T. 0.008 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

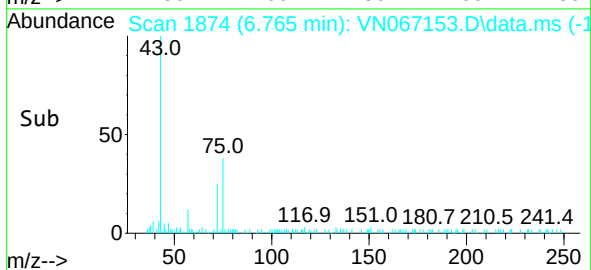
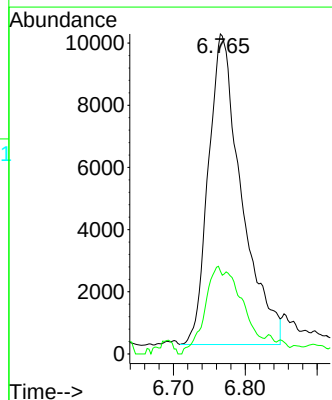
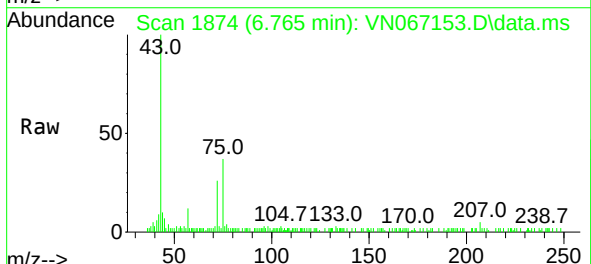
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MSVOA_N
ClientSampleId :

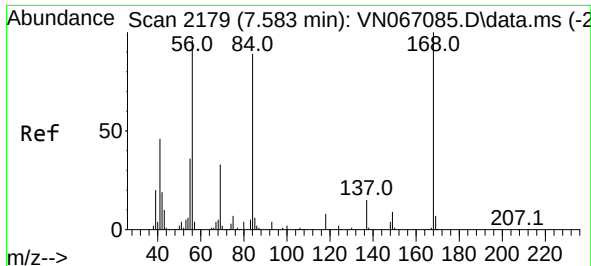
Tgt Ion:	84	Resp:	31665
Ion	Ratio	Lower	Upper
84	100		
49	100.2	88.3	132.5
51	34.3	26.7	40.1
86	57.9	51.1	76.7



#25
2-Butanone
Concen: 9.59 ug/l
RT: 6.765 min Scan# 1874
Delta R.T. 0.013 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion:	43	Resp:	31946
Ion	Ratio	Lower	Upper
43	100		
72	24.8	24.4	36.6

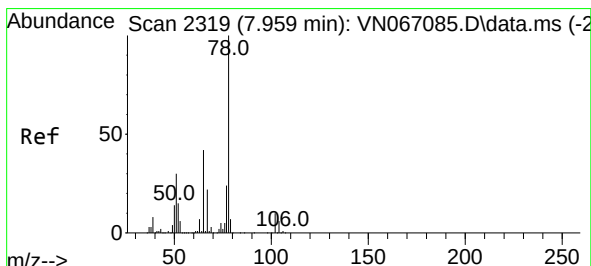
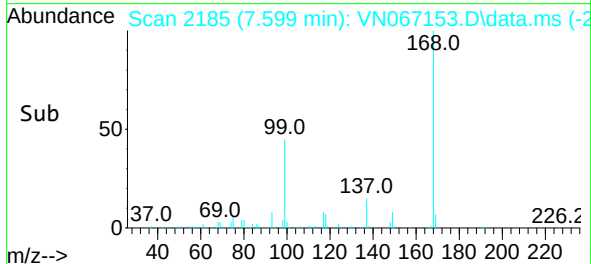
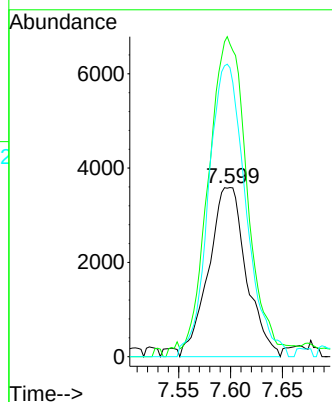
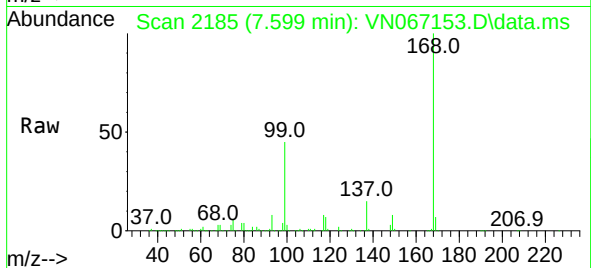




#31
Cyclohexane
Concen: 0.96 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. 0.016 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

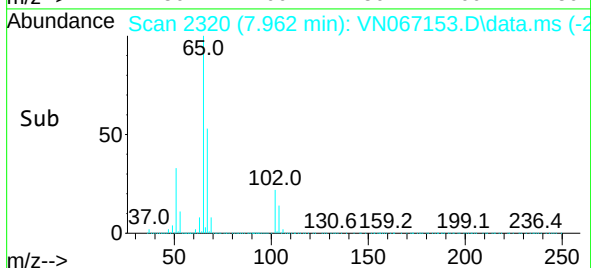
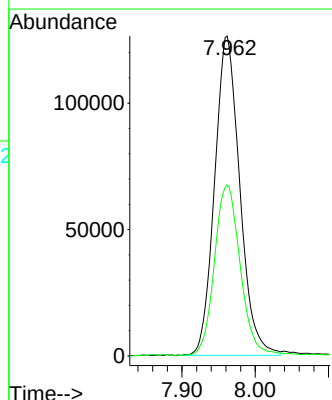
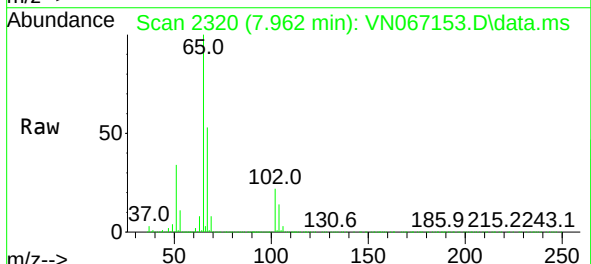
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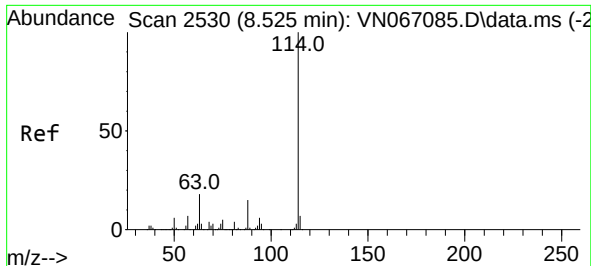
Tgt Ion: 56 Resp: 9046
Ion Ratio Lower Upper
56 100
69 180.2 28.0 42.0#
84 164.8 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 43.86 ug/l
RT: 7.962 min Scan# 2320
Delta R.T. 0.003 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 65 Resp: 301470
Ion Ratio Lower Upper
65 100
67 54.5 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: VN067153.D

Acq: 19 May 2021 15:54

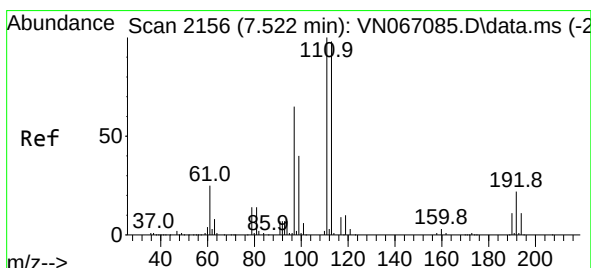
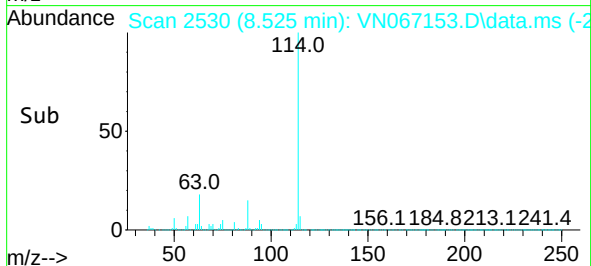
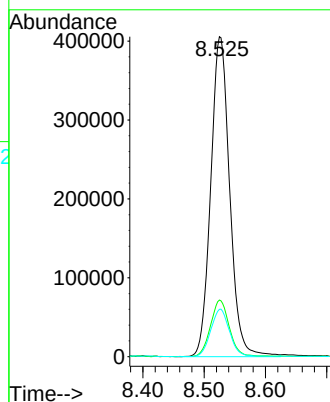
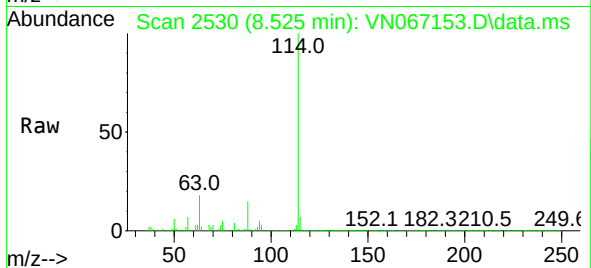
Tgt Ion:114 Resp: 870945

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

88 14.7 0.0 30.4



#35

Dibromofluoromethane

Concen: 34.60 ug/l

RT: 7.519 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VN067153.D

Acq: 19 May 2021 15:54

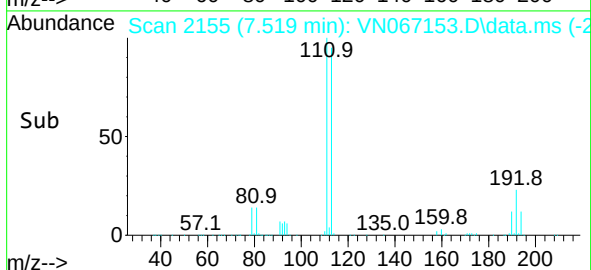
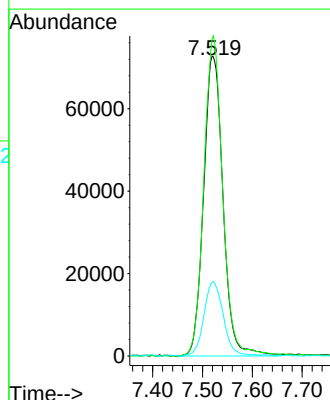
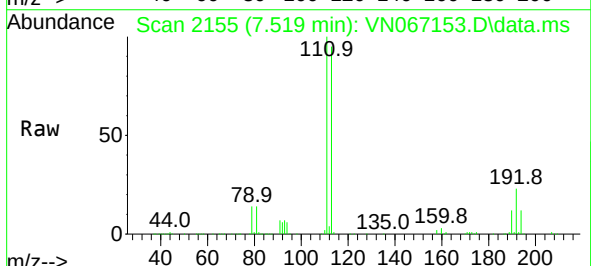
Tgt Ion:113 Resp: 197874

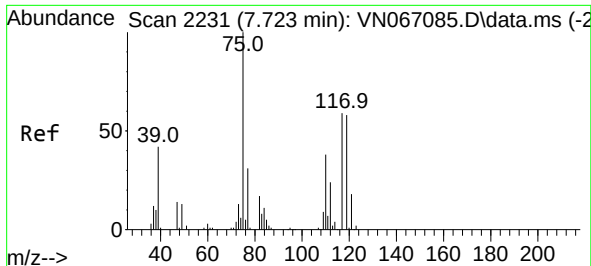
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 24.5 18.2 27.4

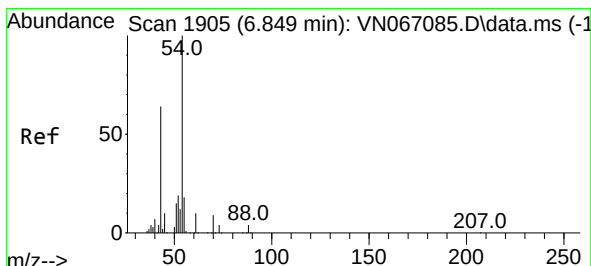
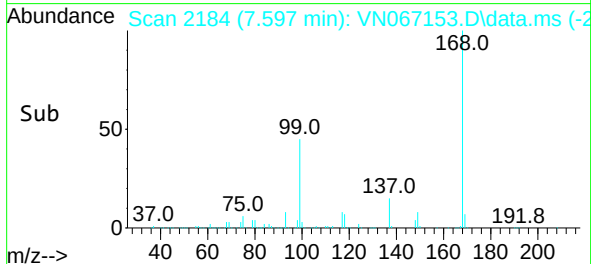
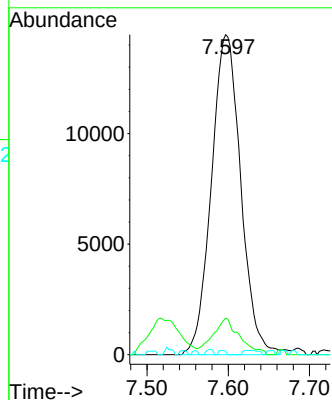
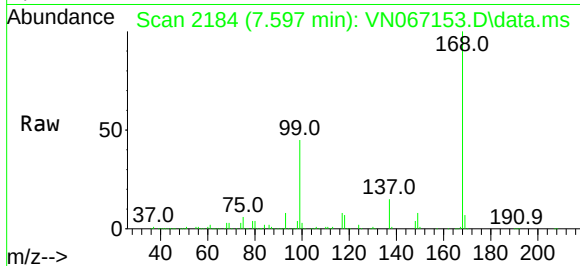




#36
1,1-Dichloropropene
Concen: 4.57 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

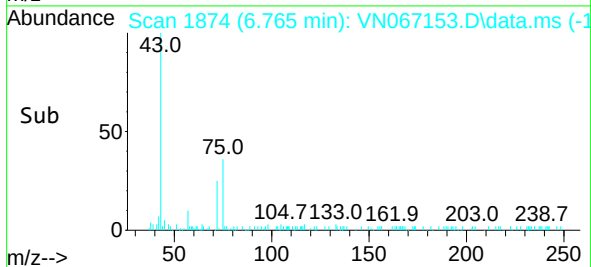
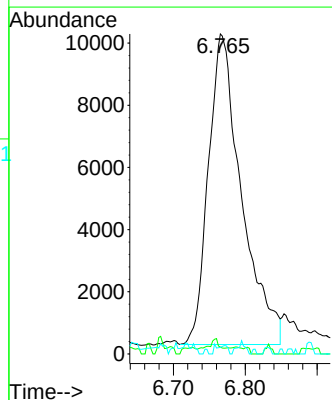
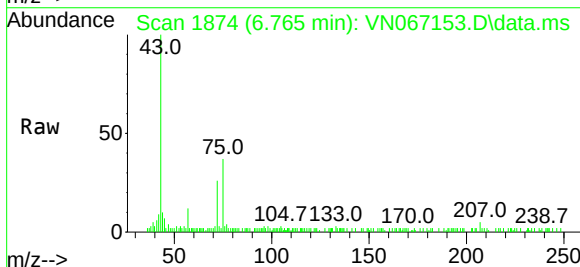
Instrument :
MSVOA_N
ClientSampleId :

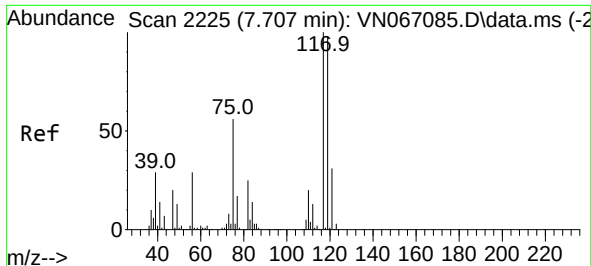
Tgt Ion: 75 Resp: 36280
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.3 24.8 37.2#



#37
Ethyl Acetate
Concen: 4.55 ug/l
RT: 6.765 min Scan# 1874
Delta R.T. -0.084 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

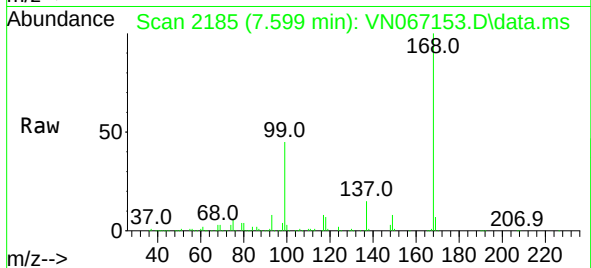
Tgt Ion: 43 Resp: 31946
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.6 9.2 13.8#



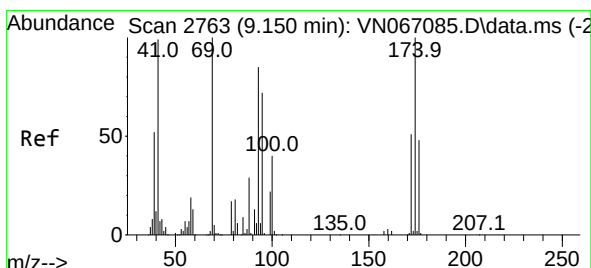
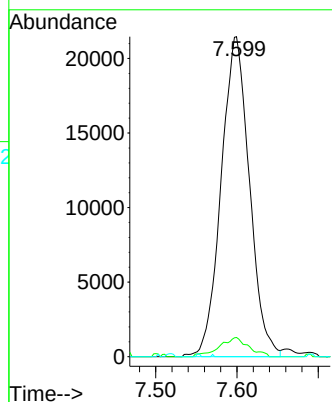
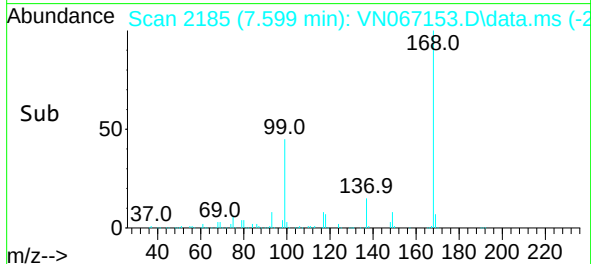


#38
Carbon Tetrachloride
Concen: 6.13 ug/l
RT: 7.599 min Scan# 2185
Delta R.T. -0.108 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

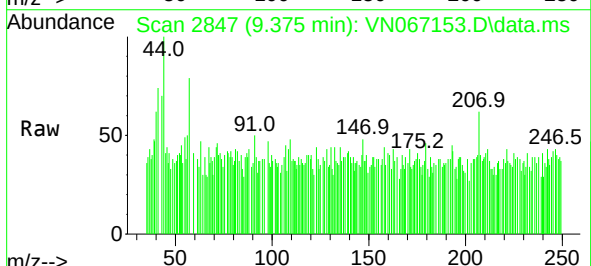
Instrument :
MSVOA_N
ClientSampleId :



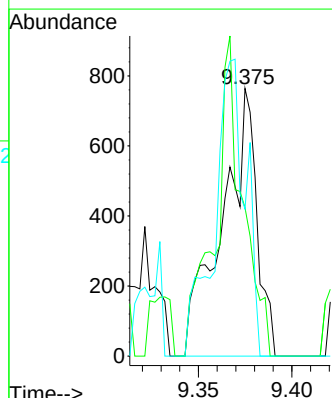
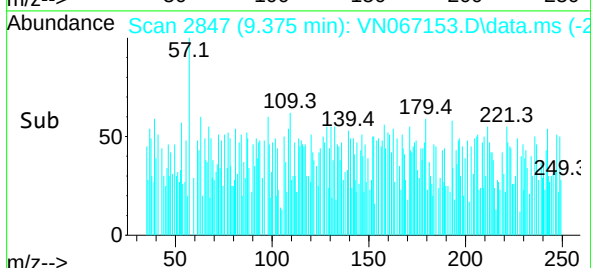
Tgt Ion:117 Resp: 51889
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.7 37.1#

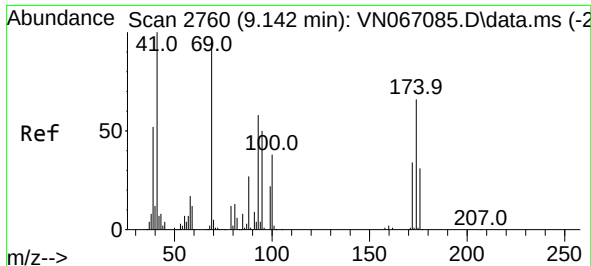


#46
Dibromomethane
Concen: 0.23 ug/l
RT: 9.375 min Scan# 2847
Delta R.T. 0.225 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54



Tgt Ion: 93 Resp: 986
Ion Ratio Lower Upper
93 100
95 95.2 67.8 101.6
174 99.2 93.4 140.0





#48

Methyl methacrylate

Concen: 3.54 ug/l

RT: 9.126 min Scan# 2754

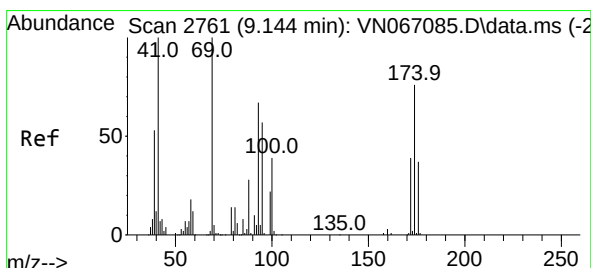
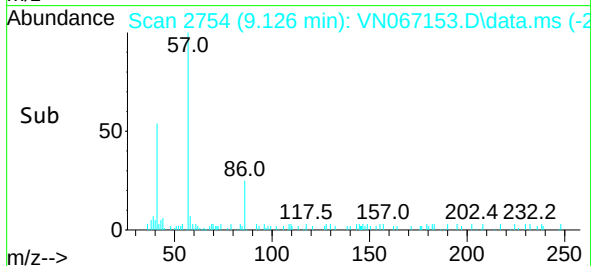
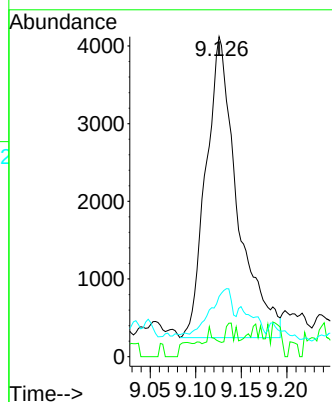
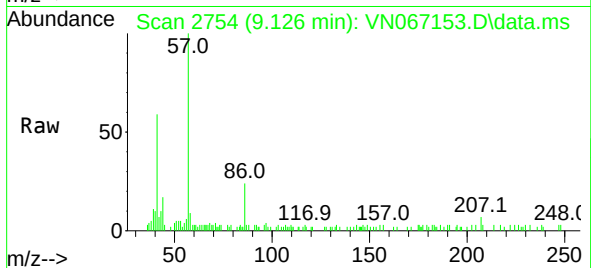
Delta R.T. -0.016 min

Lab File: VN067153.D

Acq: 19 May 2021 15:54

Tgt Ion:	41	Resp:	9291
Ion Ratio	Lower	Upper	
41	100		
69	2.6	80.5	120.7#
39	8.0	41.4	62.0#

Instrument :
MSVOA_N
ClientSampleId :



#49

1,4-Dioxane

Concen: 1.22 ug/l

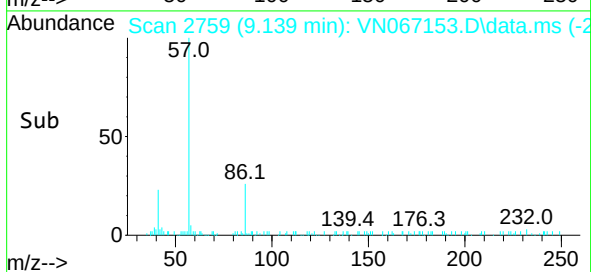
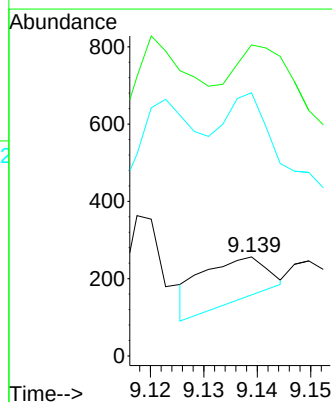
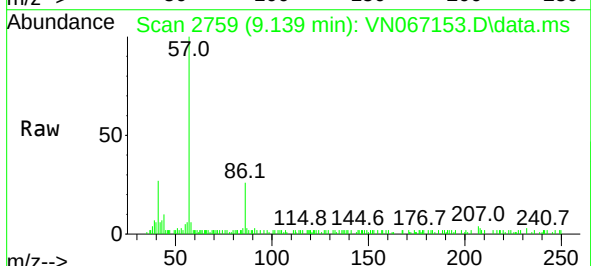
RT: 9.139 min Scan# 2759

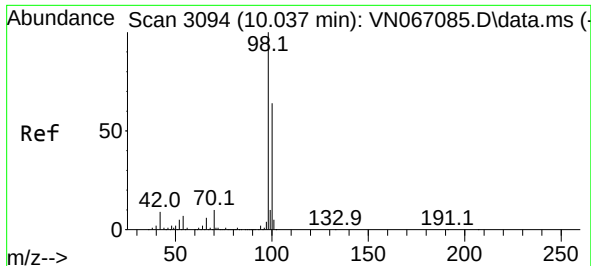
Delta R.T. -0.005 min

Lab File: VN067153.D

Acq: 19 May 2021 15:54

Tgt Ion:	88	Resp:	101
Ion Ratio	Lower	Upper	
88	100		
43	0.0	21.8	32.8#
58	0.0	50.8	76.2#

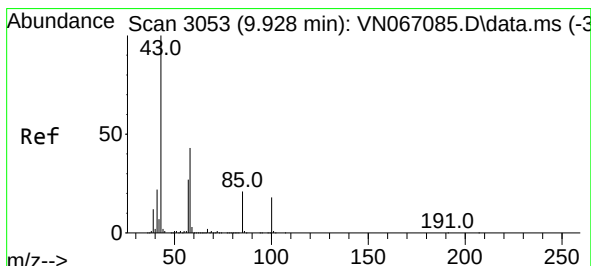
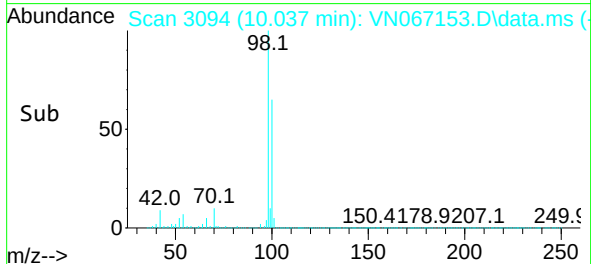
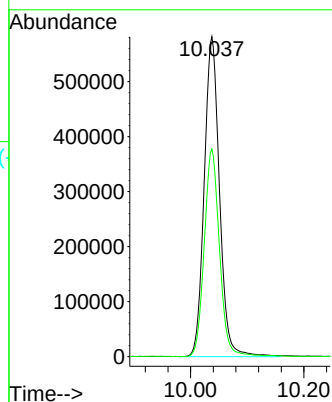
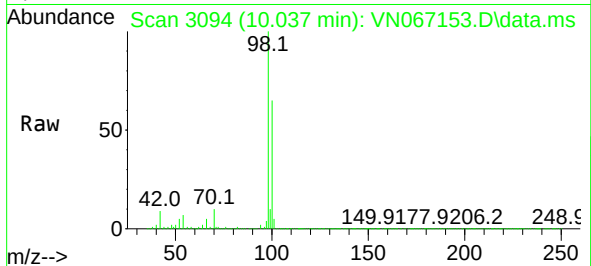




#50
Toluene-d8
Concen: 50.26 ug/l
RT: 10.037 min Scan# 3094
Delta R.T. 0.000 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

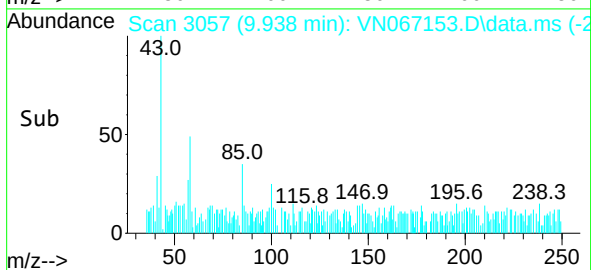
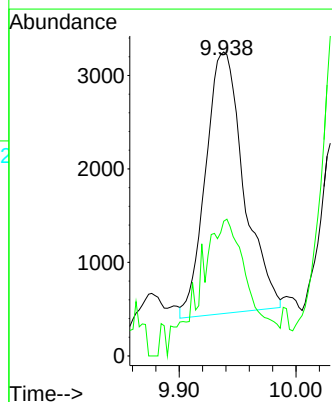
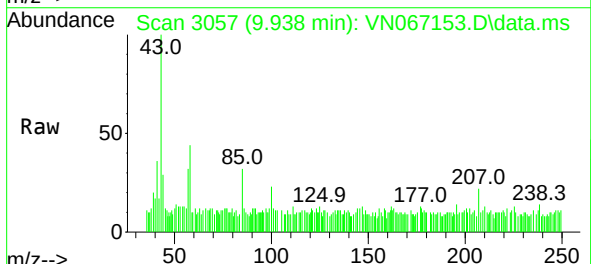
Instrument :
MSVOA_N
ClientSampled :

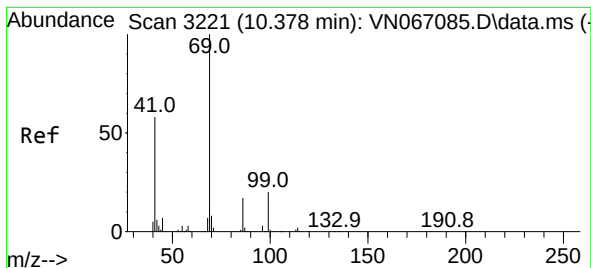
Tgt Ion: 98 Resp: 1089405
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 6.29 ug/l
RT: 9.938 min Scan# 3057
Delta R.T. 0.010 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 43 Resp: 6355
Ion Ratio Lower Upper
43 100
58 69.1 34.5 51.7#

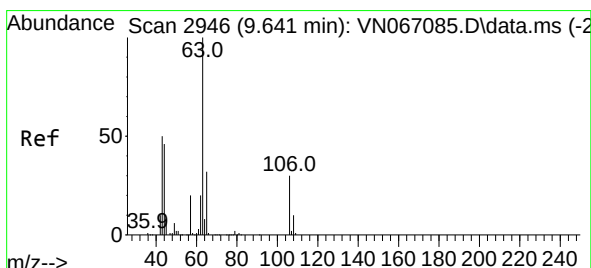
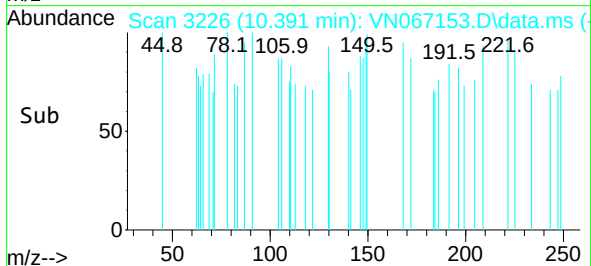
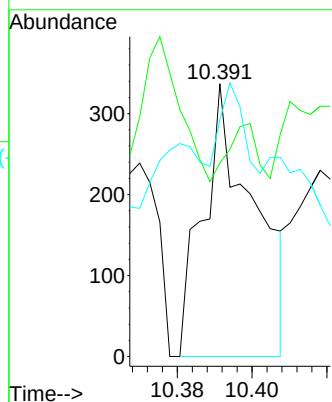
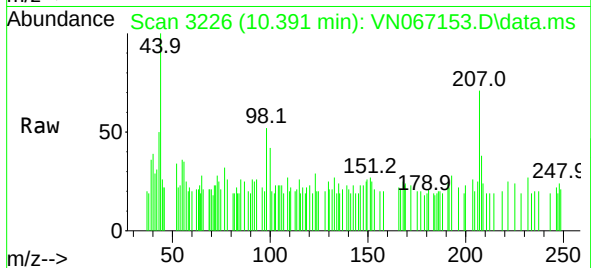




#56
Ethyl methacrylate
Concen: 1.97 ug/l
RT: 10.391 min Scan# 3226
Delta R.T. 0.013 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

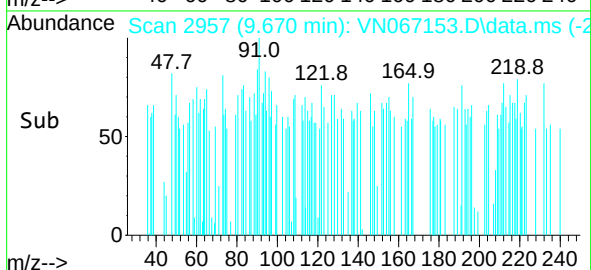
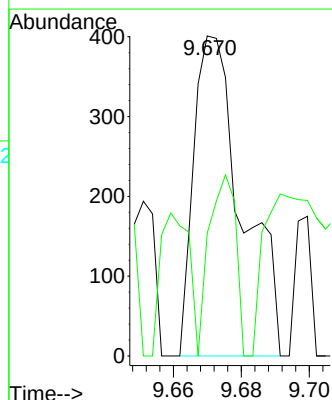
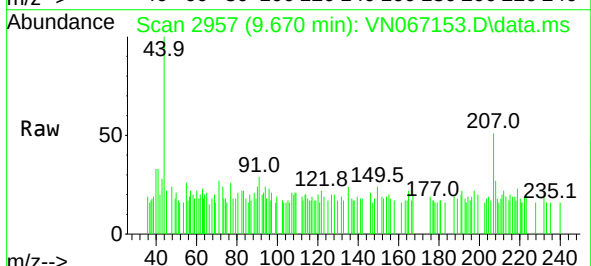
Instrument :
MSVOA_N
ClientSampleId :

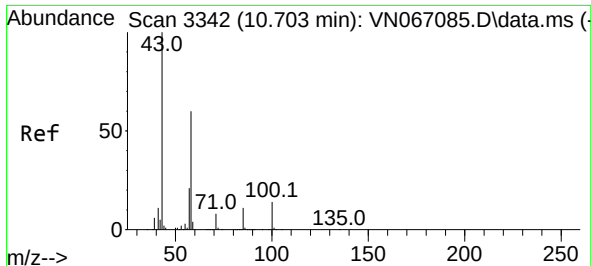
Tgt Ion: 69 Resp: 313
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 16.6 22.9 34.3#



#58
2-Chloroethyl Vinyl ether
Concen: 4.90 ug/l
RT: 9.670 min Scan# 2957
Delta R.T. 0.029 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 63 Resp: 396
Ion Ratio Lower Upper
63 100
106 31.3 23.9 35.9

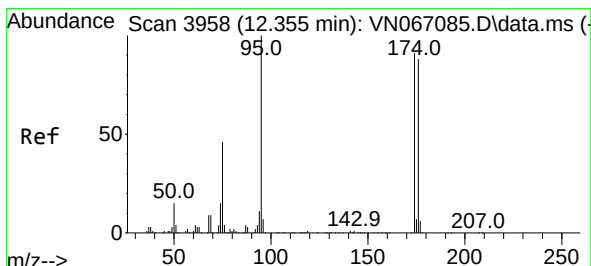
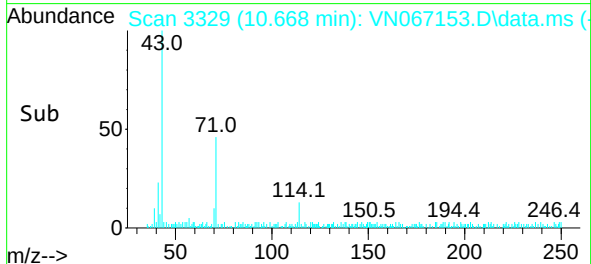
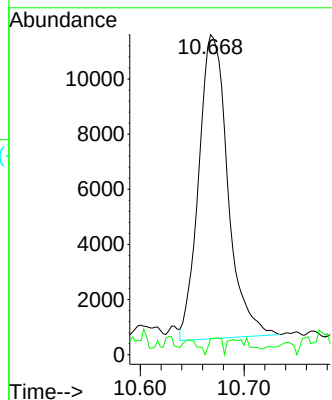
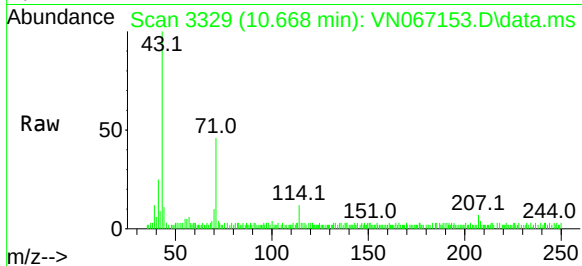




#59
2-Hexanone
Concen: 26.26 ug/l
RT: 10.668 min Scan# 3329
Delta R.T. -0.035 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

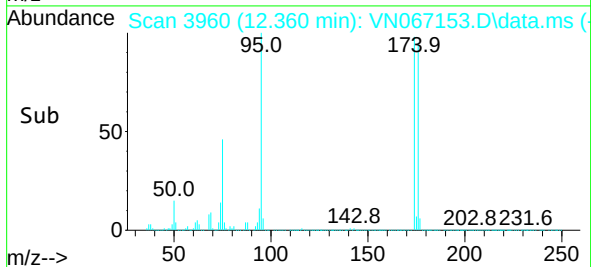
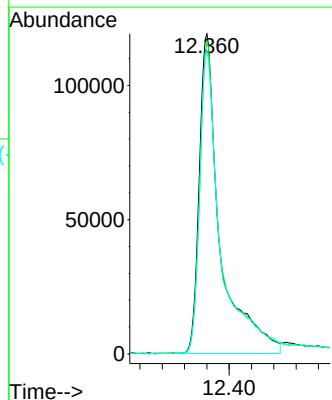
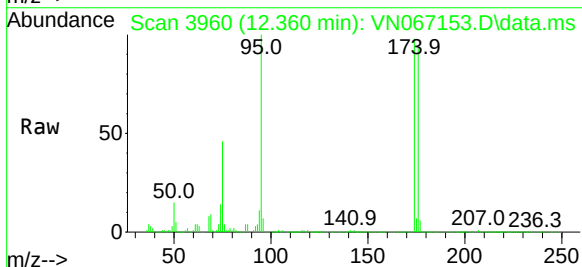
Instrument :
MSVOA_N
ClientSampled :

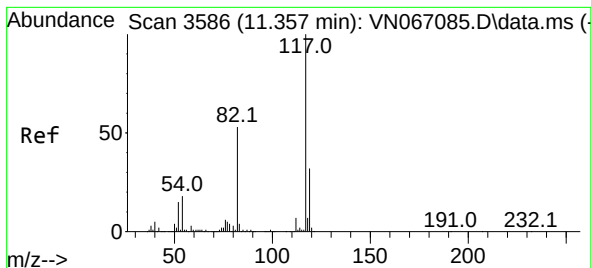
Tgt Ion: 43 Resp: 21501
Ion Ratio Lower Upper
43 100
58 2.4 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 42.46 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 95 Resp: 308247
Ion Ratio Lower Upper
95 100
174 97.1 0.0 182.8
176 95.3 0.0 176.6

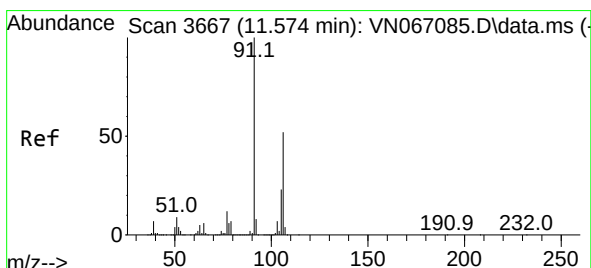
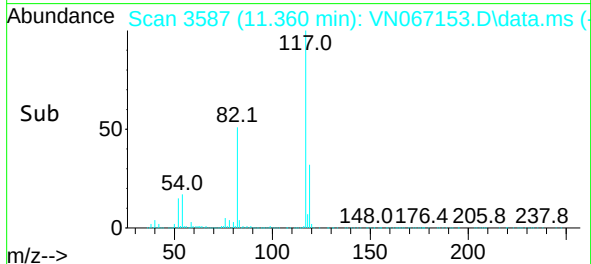
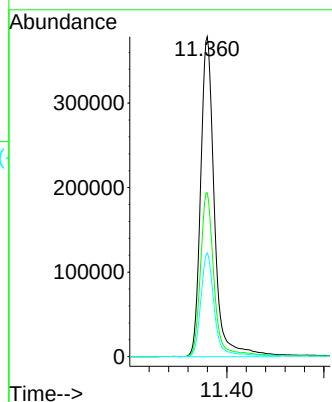
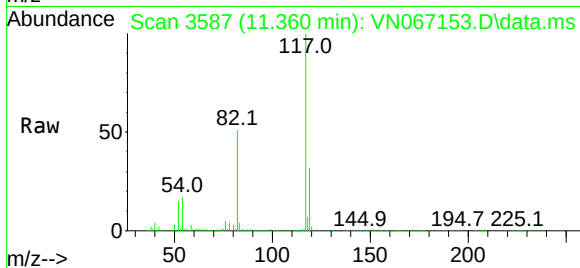




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

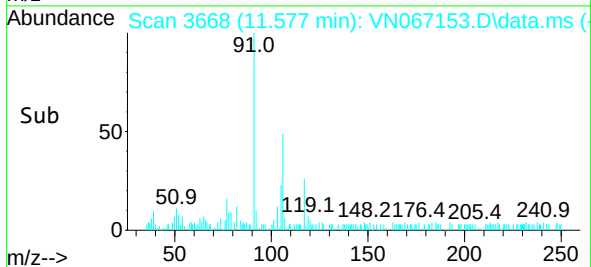
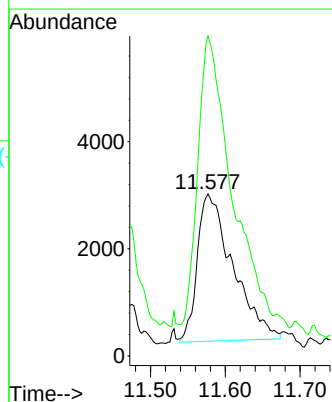
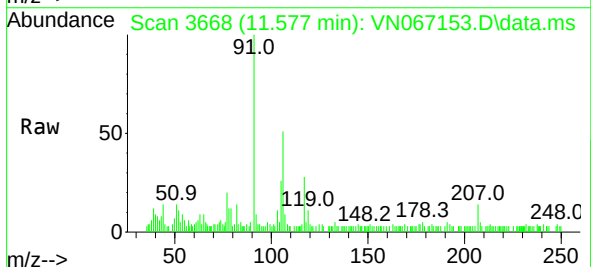
Instrument :
MSVOA_N
ClientSampleId :

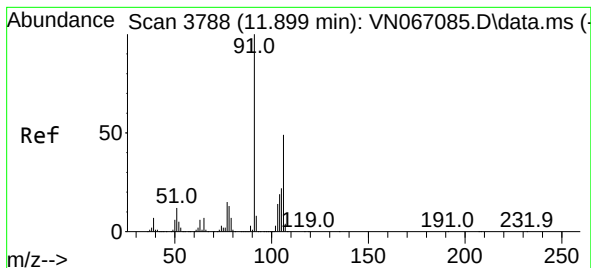
Tgt Ion:117 Resp: 747233
Ion Ratio Lower Upper
117 100
82 51.2 42.2 63.2
119 32.3 25.8 38.6



#68
m/p-Xylenes
Concen: 0.84 ug/l
RT: 11.577 min Scan# 3668
Delta R.T. 0.003 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion:106 Resp: 9079
Ion Ratio Lower Upper
106 100
91 184.1 155.2 232.8

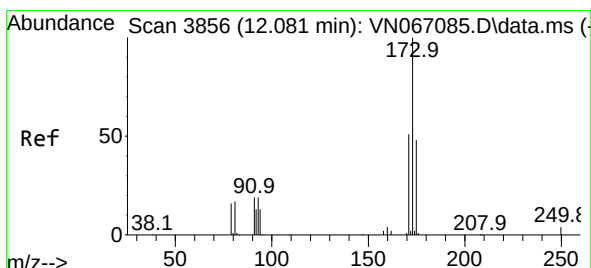
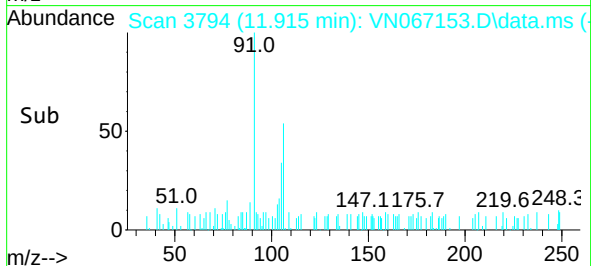
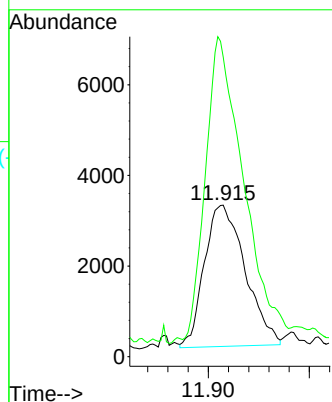
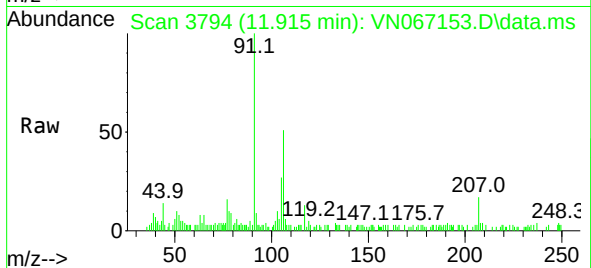




#69
o-Xylene
Concen: 0.80 ug/l
RT: 11.915 min Scan# 3794
Delta R.T. 0.016 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

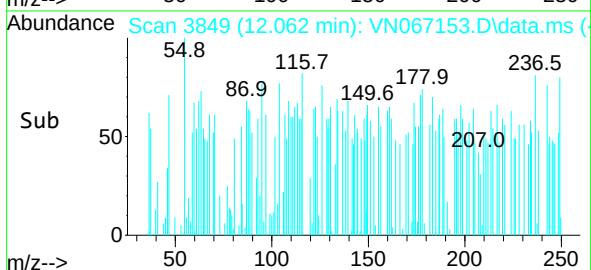
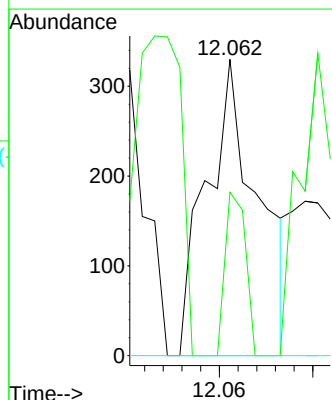
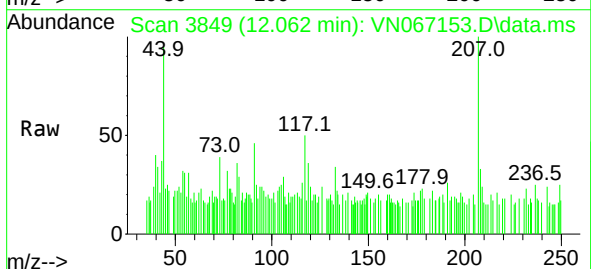
Instrument :
MSVOA_N
ClientSampleId :

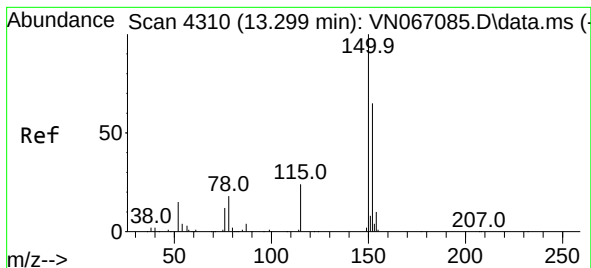
Tgt Ion:106 Resp: 8760
Ion Ratio Lower Upper
106 100
91 197.9 102.3 306.8



#71
Bromoform
Concen: 1.81 ug/l
RT: 12.062 min Scan# 3849
Delta R.T. -0.019 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion:173 Resp: 252
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

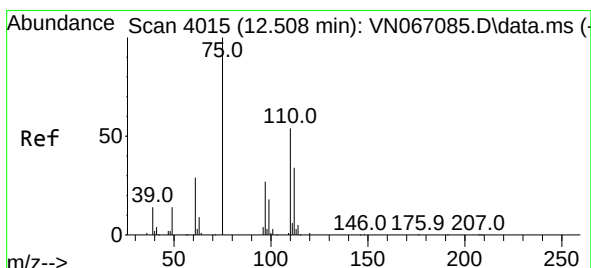
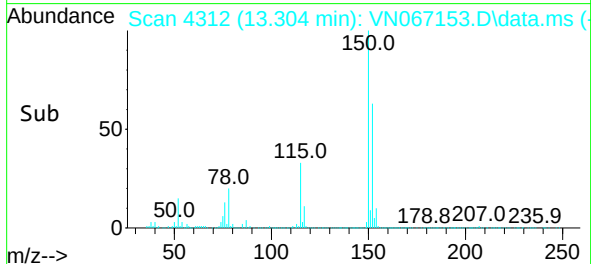
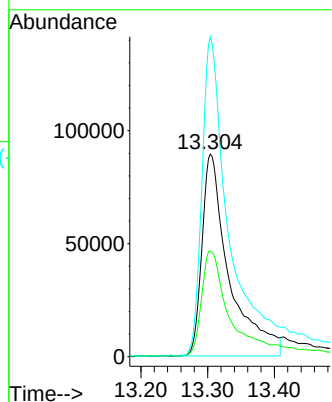
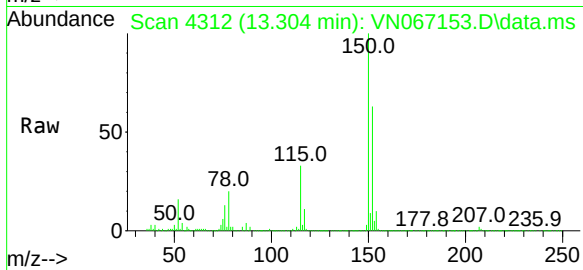




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.304 min Scan# 4312
Delta R.T. 0.005 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

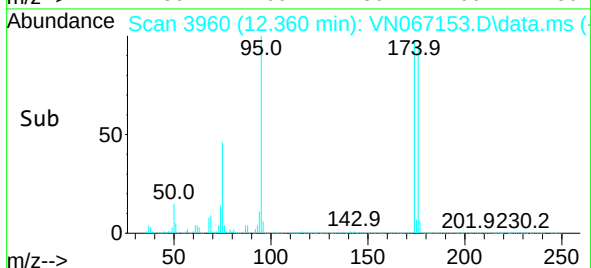
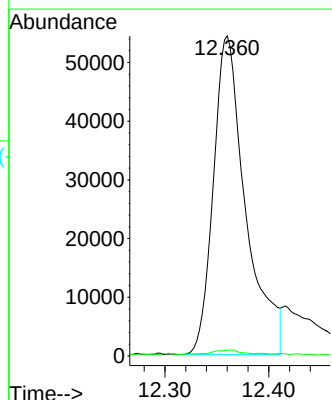
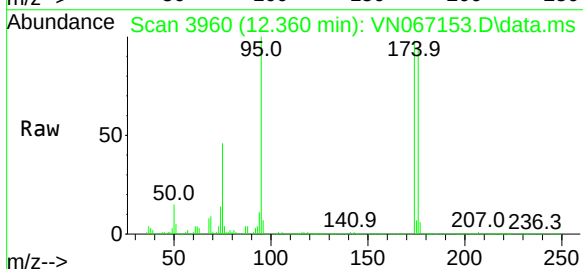
Instrument :
MSVOA_N
ClientSampled :

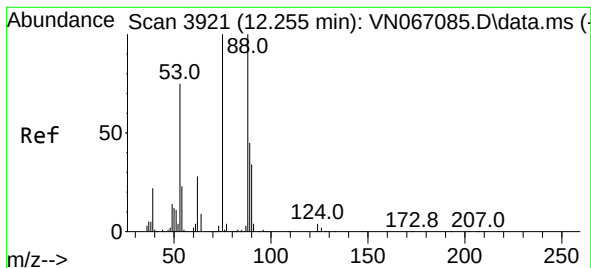
Tgt Ion:152 Resp: 252895
Ion Ratio Lower Upper
152 100
115 52.3 27.0 80.8
150 174.3 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 21.98 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. -0.148 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 75 Resp: 117319
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

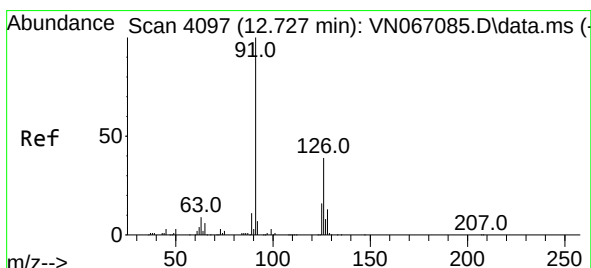
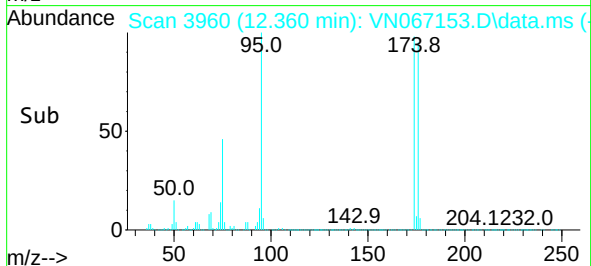
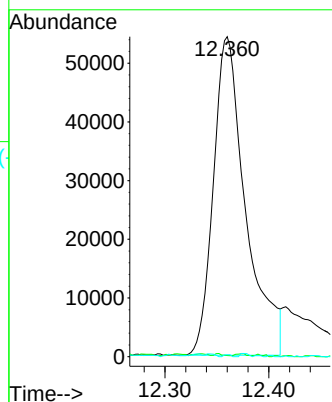
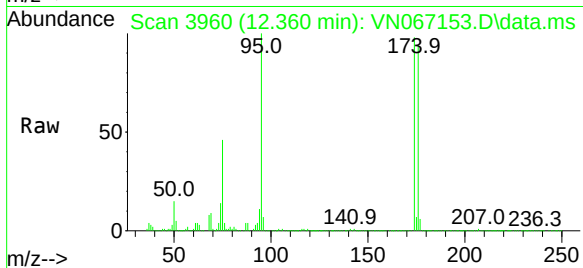




#81
trans-1,4-Dichloro-2-butene
Concen: 66.07 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

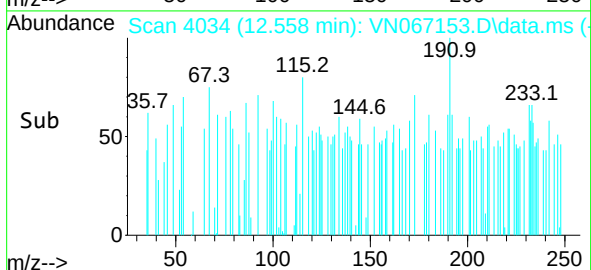
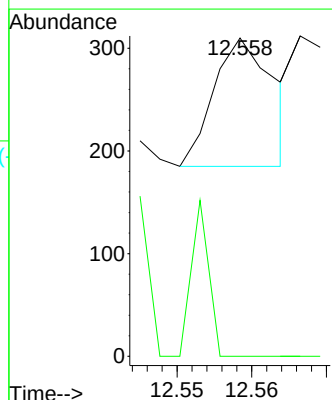
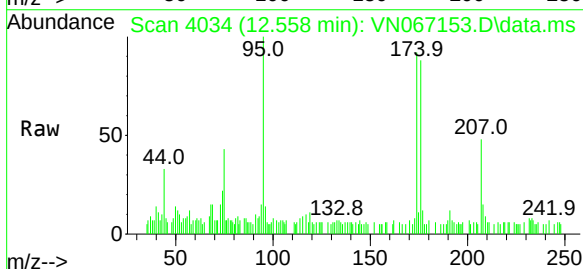
Instrument :
MSVOA_N
ClientSampleId :

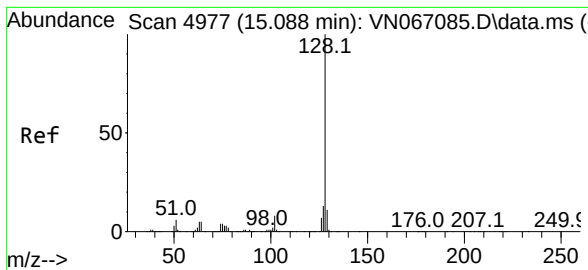
Tgt Ion: 75 Resp: 117319
Ion Ratio Lower Upper
75 100
53 0.3 66.3 99.5#
89 0.1 39.5 59.3#



#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.558 min Scan# 4034
Delta R.T. -0.169 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Tgt Ion: 91 Resp: 69
Ion Ratio Lower Upper
91 100
126 34.8 17.7 53.1





#95
Naphthalene
Concen: 3.26 ug/l
RT: 15.096 min Scan# 4980
Delta R.T. 0.008 min
Lab File: VN067153.D
Acq: 19 May 2021 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	51
Ion	Ratio	Lower	Upper
128	100		
127	102.0	10.2	15.2#
129	0.0	8.6	13.0#

