

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051921\
 Data File : VN067154.D
 Acq On : 19 May 2021 16:16
 Operator : JC/MD
 Sample : M2366-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 20 01:56:55 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)

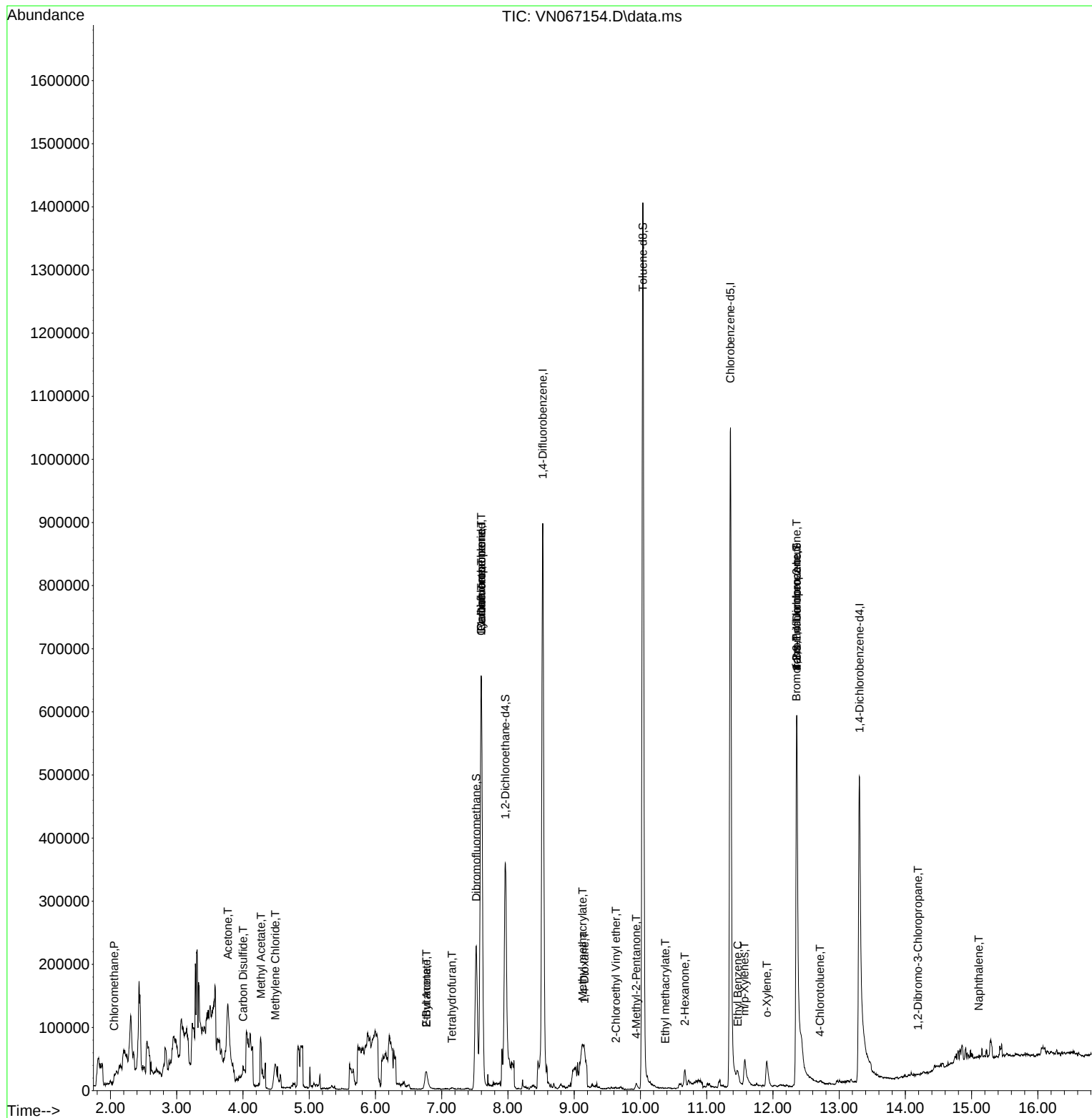
Internal Standards						
1) Pentafluorobenzene	7.597	168	633641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	873314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	745393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.307	152	269799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.962	65	303651	44.36	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.72%		
35) Dibromofluoromethane	7.522	113	179452	31.29	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	62.58%#		
50) Toluene-d8	10.038	98	1084910	49.92	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.84%		
62) 4-Bromofluorobenzene	12.360	95	306218	42.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.12%		
Target Compounds						Qvalue
3) Chloromethane	2.056	50	2313	0.33	ug/l	90
13) Acrolein	3.566	56	511	Below Cal		98
16) Acetone	3.773	43	128521	60.41	ug/l	98
17) Carbon Disulfide	4.000	76	6109	0.38	ug/l #	62
18) Methyl Acetate	4.274	43	4746	0.75	ug/l	99
20) Methylene Chloride	4.489	84	34472	5.02	ug/l	94
25) 2-Butanone	6.768	43	44162	13.31	ug/l	98
29) Tetrahydrofuran	7.154	42	953	0.46	ug/l	93
31) Cyclohexane	7.600	56	8718	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.600	75	34829	4.37	ug/l #	46
37) Ethyl Acetate	6.768	43	44162	6.28	ug/l #	66
38) Carbon Tetrachloride	7.597	117	49897	5.88	ug/l #	16
48) Methyl methacrylate	9.126	41	9210	3.52	ug/l #	12
49) 1,4-Dioxane	9.155	88	81	0.97	ug/l #	27
51) 4-Methyl-2-Pentanone	9.938	43	7475	6.44	ug/l	92
56) Ethyl methacrylate	10.376	69	55	1.95	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.633	63	49	4.59	ug/l #	61
59) 2-Hexanone	10.671	43	20230	25.99	ug/l #	21
67) Ethyl Benzene	11.470	91	12390	0.44	ug/l	95
68) m/p-Xylenes	11.572	106	15960	1.48	ug/l #	72
69) o-Xylene	11.907	106	16784	1.54	ug/l	92
71) Bromoform	12.355	173	570	1.86	ug/l #	1
76) 1,2,3-Trichloropropane	12.360	75	118407	20.80	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.360	75	118407	62.73	ug/l #	15
82) 4-Chlorotoluene	12.712	91	111	1.19	ug/l	78
92) 1,2-Dibromo-3-Chloropr...	14.189	75	319	0.32	ug/l #	1
95) Naphthalene	15.109	128	119	3.26	ug/l #	69

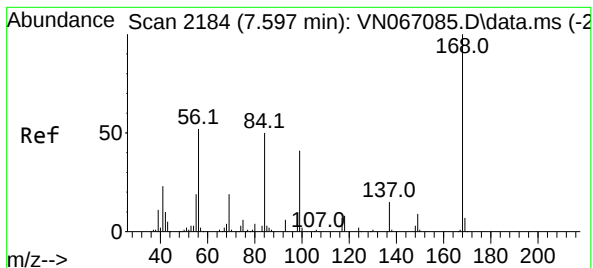
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN067154.D

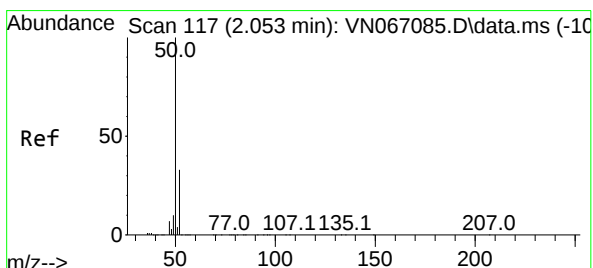
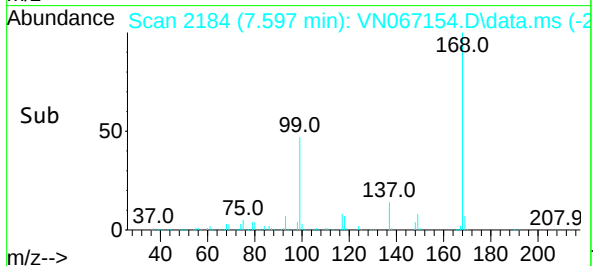
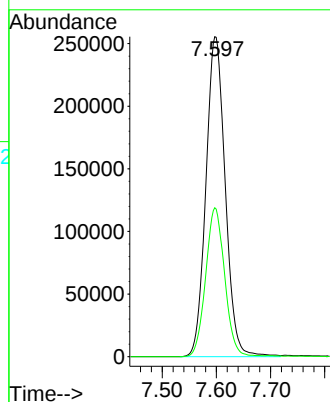
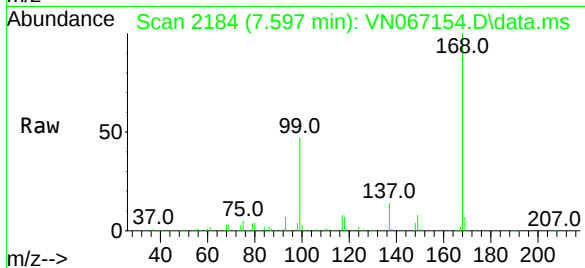
Acq: 19 May 2021 16:16

Tgt Ion:168 Resp: 633641

Ion Ratio Lower Upper

168 100

99 46.6 38.5 57.7



#3

Chloromethane

Concen: 0.33 ug/l

RT: 2.056 min Scan# 118

Delta R.T. 0.003 min

Lab File: VN067154.D

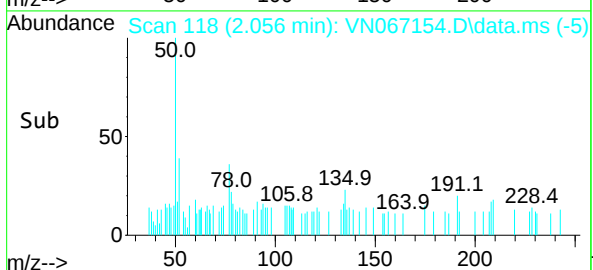
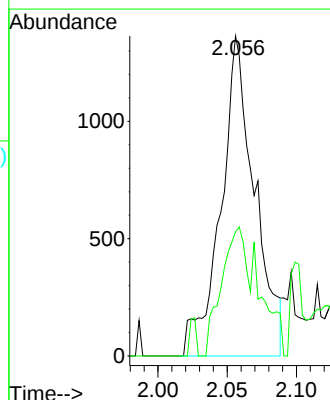
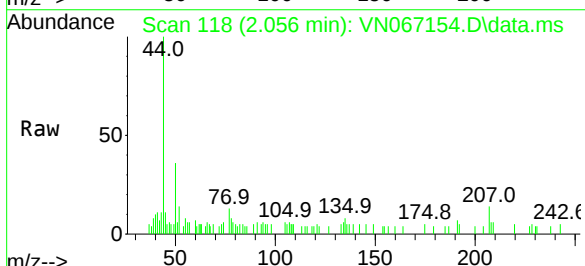
Acq: 19 May 2021 16:16

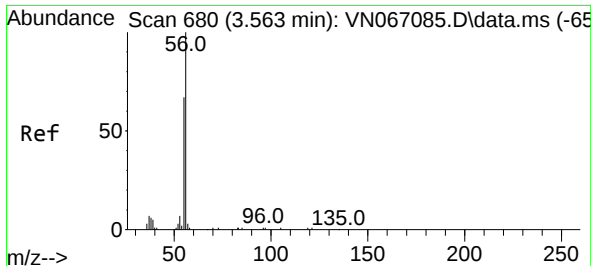
Tgt Ion: 50 Resp: 2313

Ion Ratio Lower Upper

50 100

52 38.9 26.5 39.7

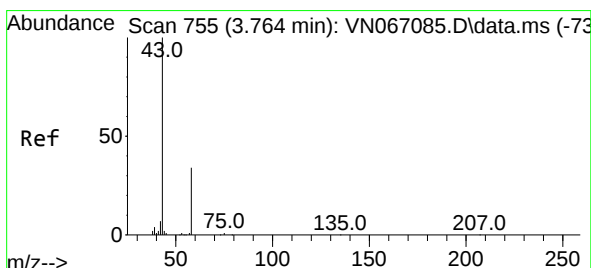
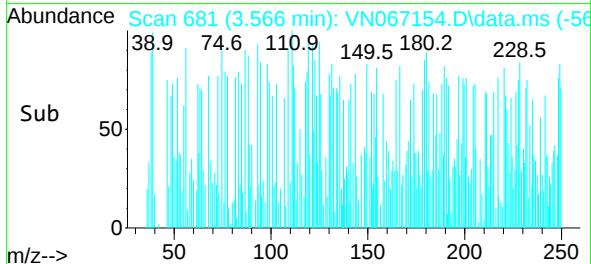
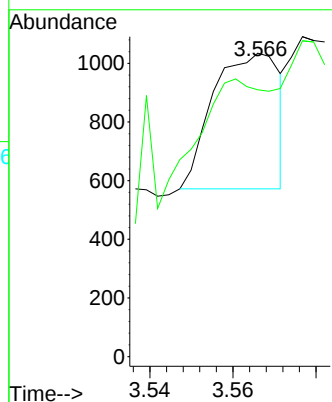
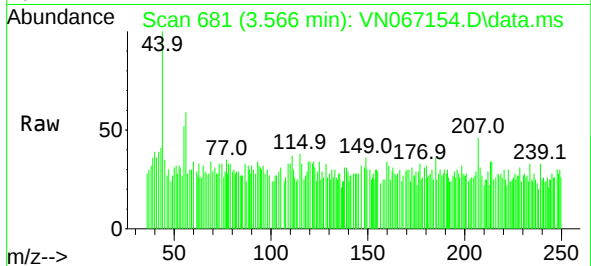




#13
Acrolein
Concen: Below Cal
RT: 3.566 min Scan# 681
Delta R.T. 0.003 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

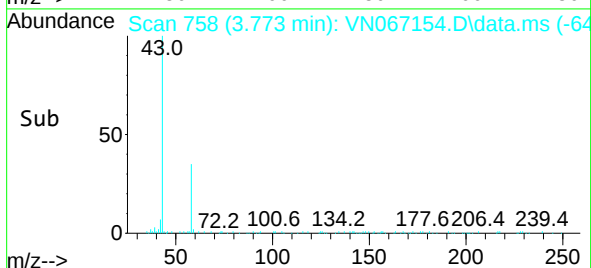
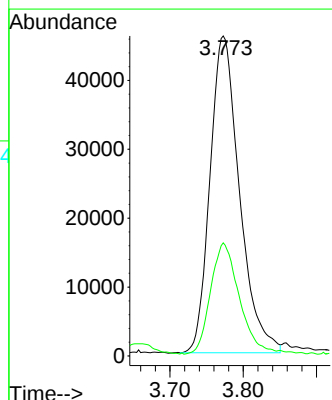
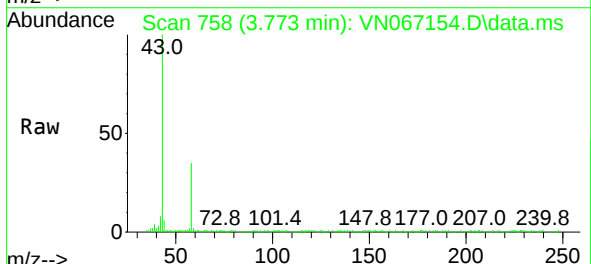
Instrument :
MSVOA_N
ClientSampleId :

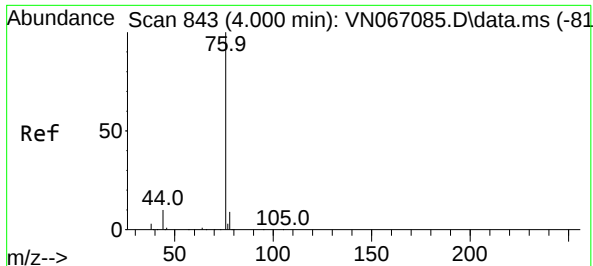
Tgt Ion: 56 Resp: 511
Ion Ratio Lower Upper
56 100
55 69.1 53.8 80.6



#16
Acetone
Concen: 60.41 ug/l
RT: 3.773 min Scan# 758
Delta R.T. 0.009 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 43 Resp: 128521
Ion Ratio Lower Upper
43 100
58 35.1 27.2 40.8

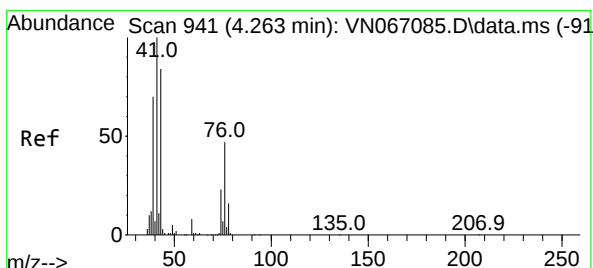
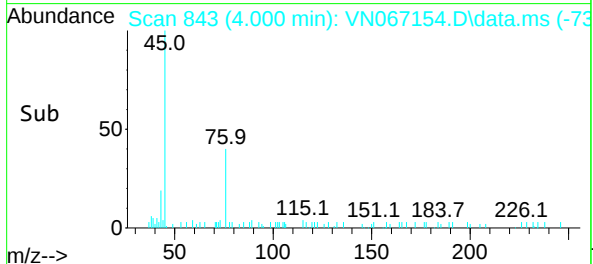
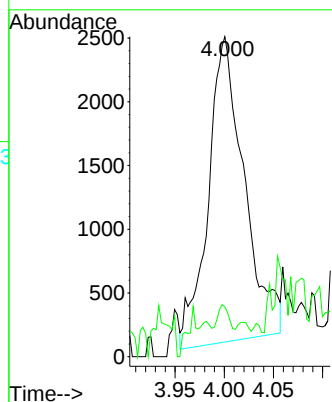
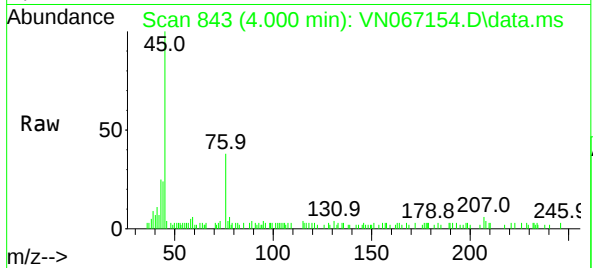




#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.000 min Scan# 843
Delta R.T. 0.000 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

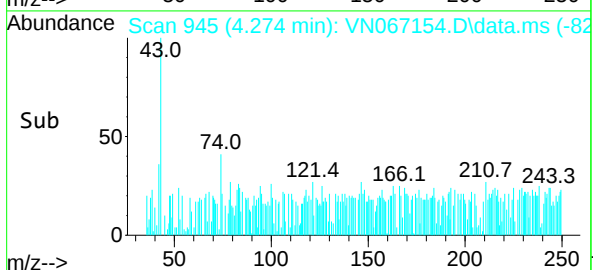
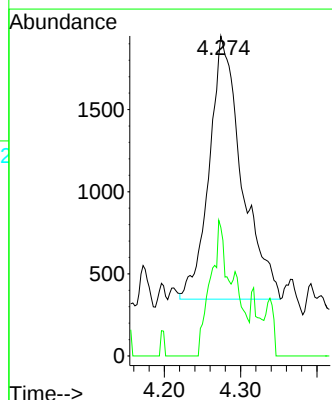
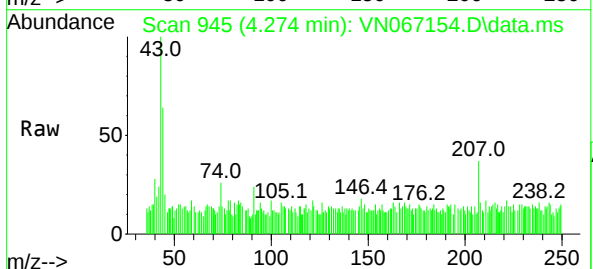
Instrument :
MSVOA_N
ClientSampled :

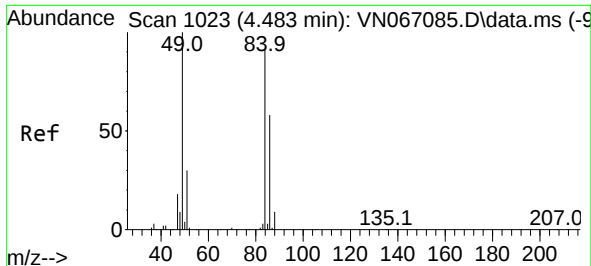
Tgt Ion: 76 Resp: 6109
Ion Ratio Lower Upper
76 100
78 23.4 7.5 11.3#



#18
Methyl Acetate
Concen: 0.75 ug/l
RT: 4.274 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

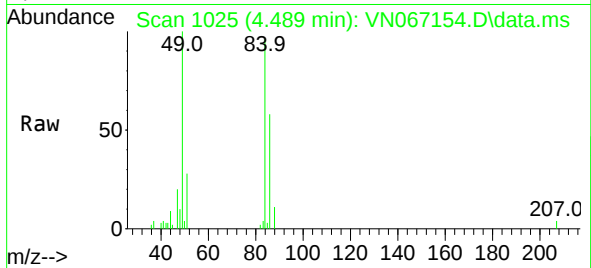
Tgt Ion: 43 Resp: 4746
Ion Ratio Lower Upper
43 100
74 26.1 21.4 32.2



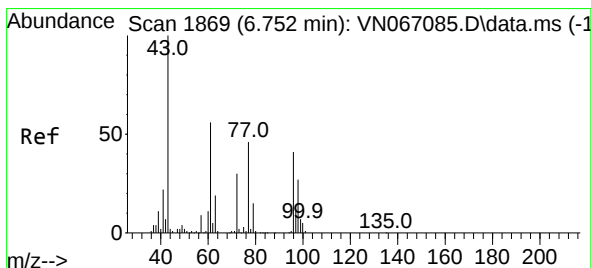
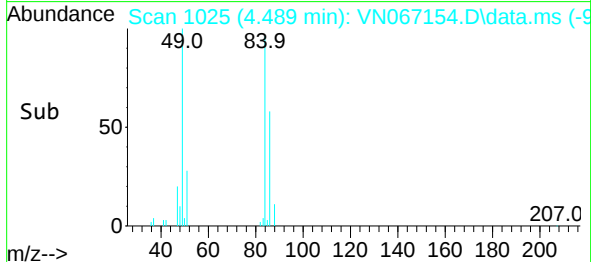
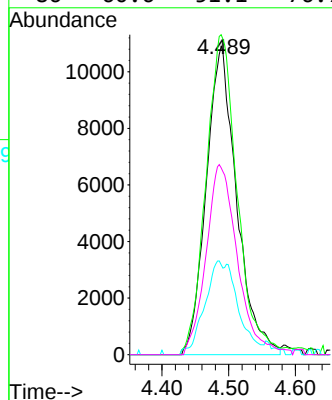


#20
Methylene Chloride
Concen: 5.02 ug/l
RT: 4.489 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :

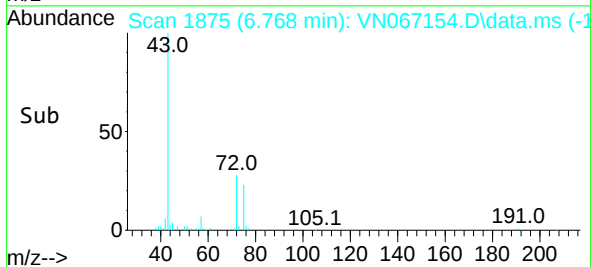
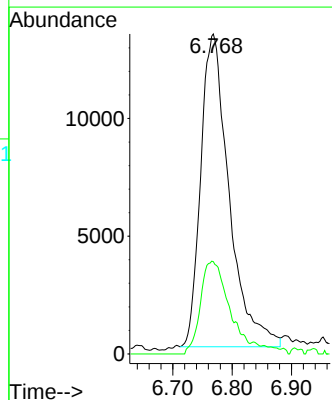
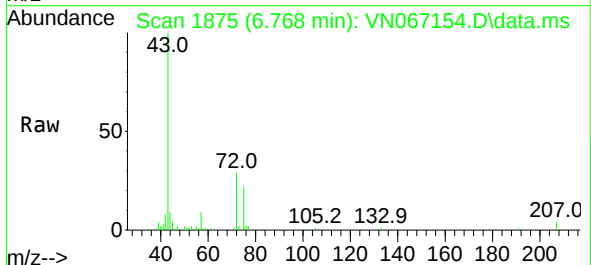


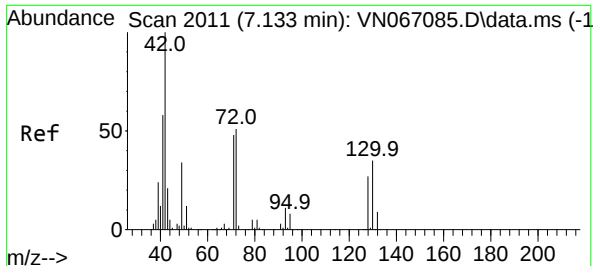
Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.8	88.3	132.5
51	29.2	26.7	40.1
86	60.6	51.1	76.7



#25
2-Butanone
Concen: 13.31 ug/l
RT: 6.768 min Scan# 1875
Delta R.T. 0.016 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	24.4	36.6

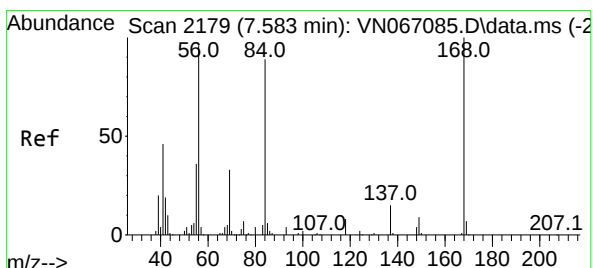
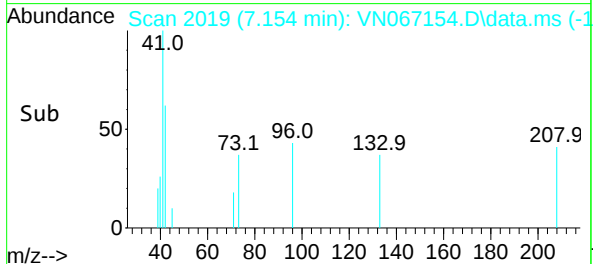
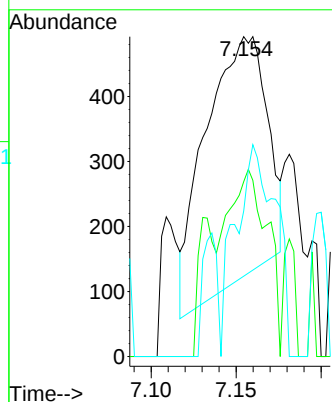
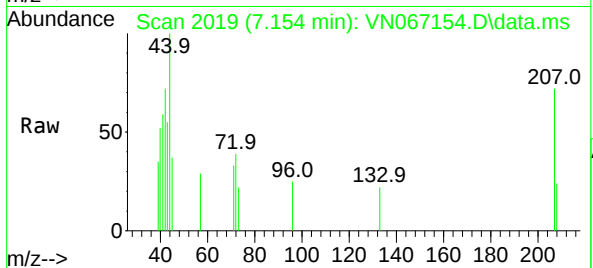




#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.154 min Scan# 2019
Delta R.T. 0.021 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

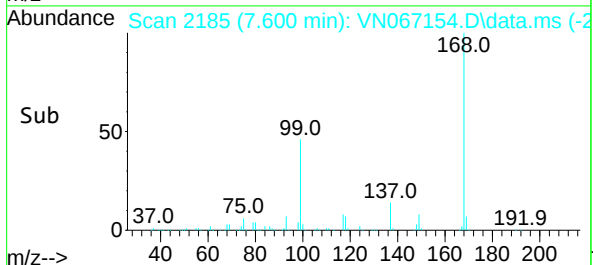
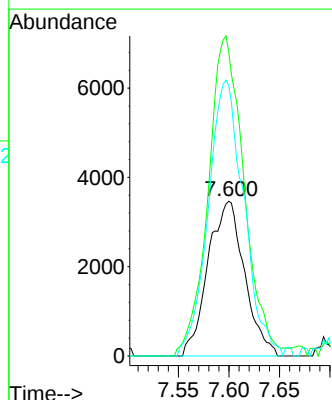
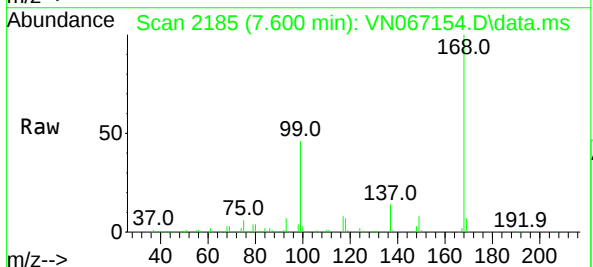
Instrument :
MSVOA_N
ClientSampled :

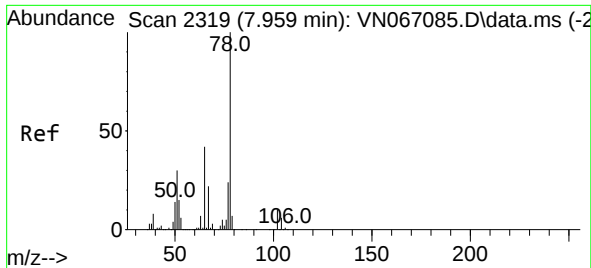
Tgt Ion: 42 Resp: 953
Ion Ratio Lower Upper
42 100
72 49.7 40.1 60.1
71 56.0 37.9 56.9



#31
Cyclohexane
Concen: 0.92 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.017 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 56 Resp: 8718
Ion Ratio Lower Upper
56 100
69 191.8 28.0 42.0#
84 169.9 74.2 111.2#

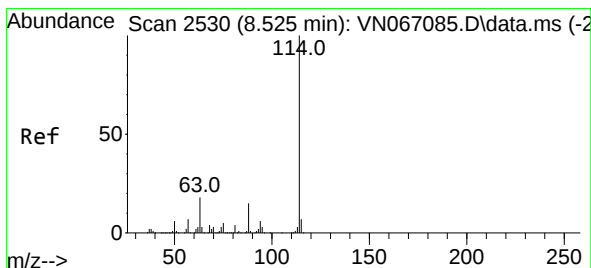
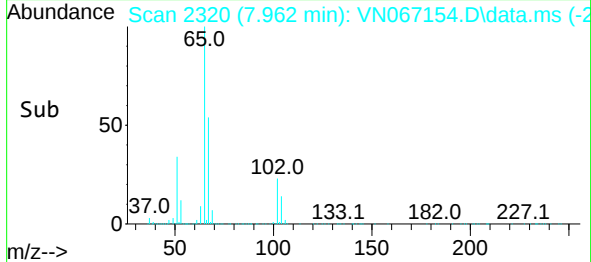
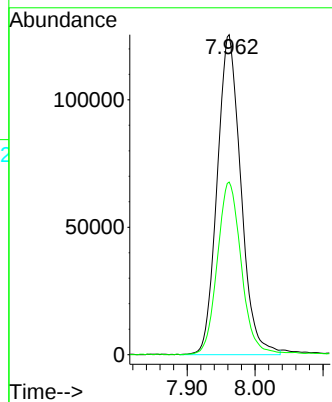
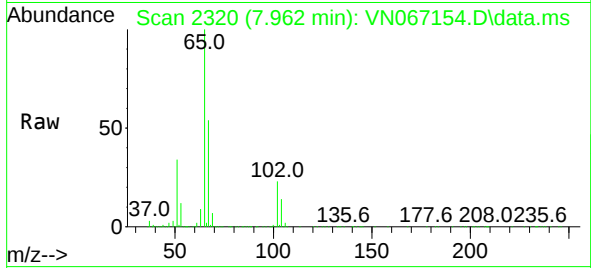




#33
 1,2-Dichloroethane-d4
 Concen: 44.36 ug/l
 RT: 7.962 min Scan# 2320
 Delta R.T. 0.003 min
 Lab File: VN067154.D
 Acq: 19 May 2021 16:16

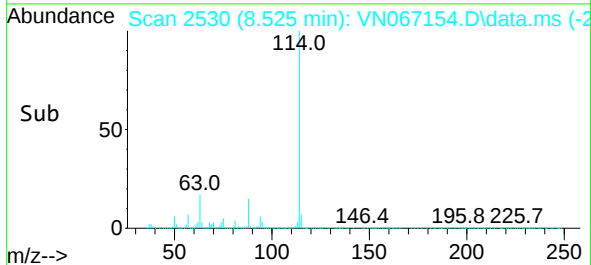
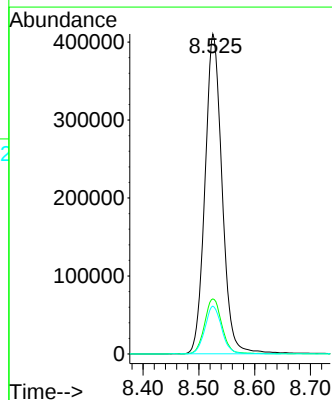
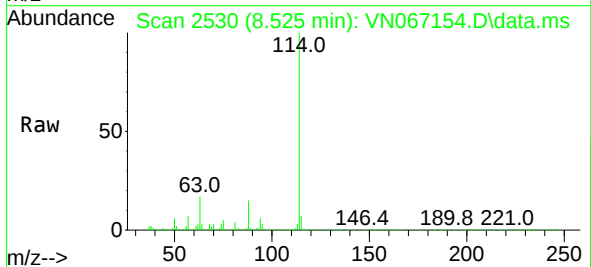
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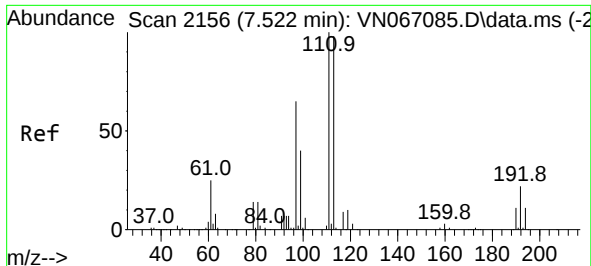
Tgt Ion: 65 Resp: 303651
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.525 min Scan# 2530
 Delta R.T. -0.000 min
 Lab File: VN067154.D
 Acq: 19 May 2021 16:16

Tgt Ion: 114 Resp: 873314
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.8
 88 15.0 0.0 30.4

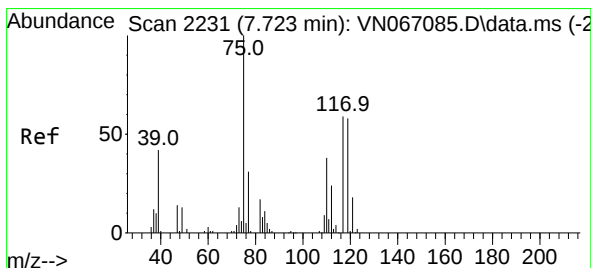
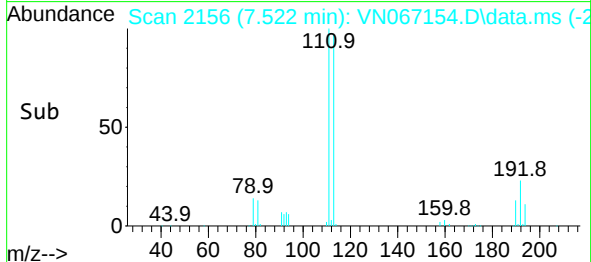
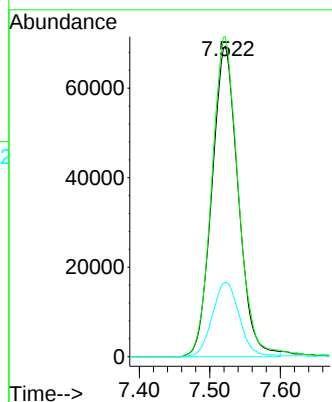
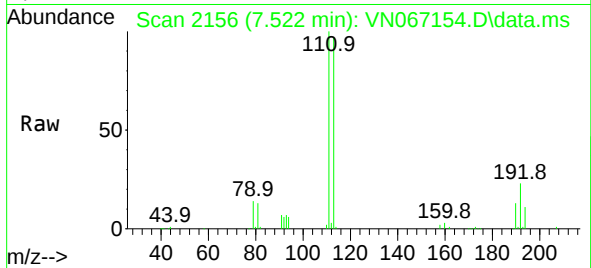




#35
Dibromofluoromethane
Concen: 31.29 ug/l
RT: 7.522 min Scan# 2156
Delta R.T. -0.000 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

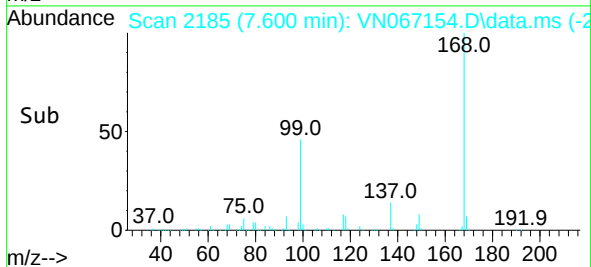
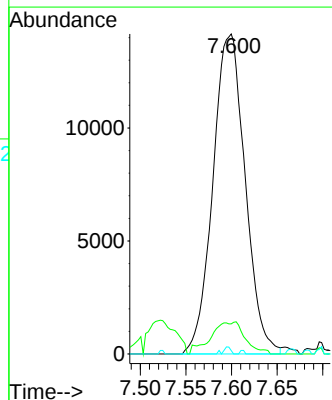
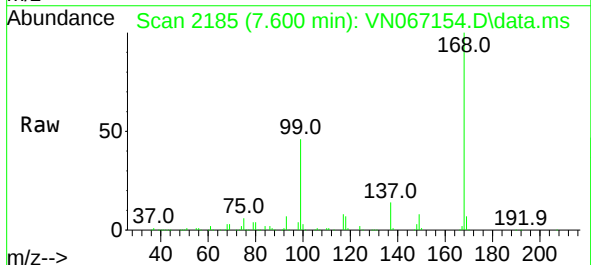
Instrument :
MSVOA_N
ClientSampled :

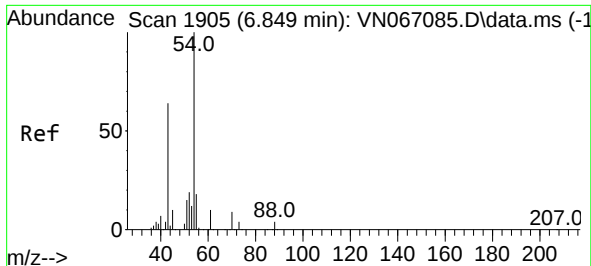
Tgt Ion:113 Resp: 179452
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 24.8 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.123 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 75 Resp: 34829
Ion Ratio Lower Upper
75 100
110 6.6 19.1 57.3#
77 0.5 24.8 37.2#





#37

Ethyl Acetate

Concen: 6.28 ug/l

RT: 6.768 min Scan# 1875

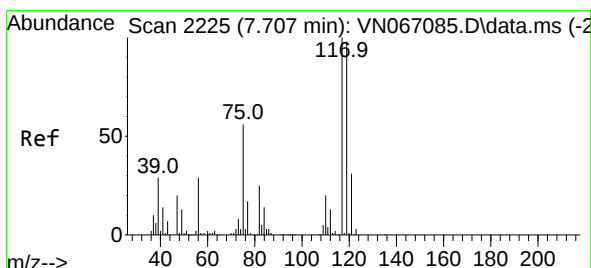
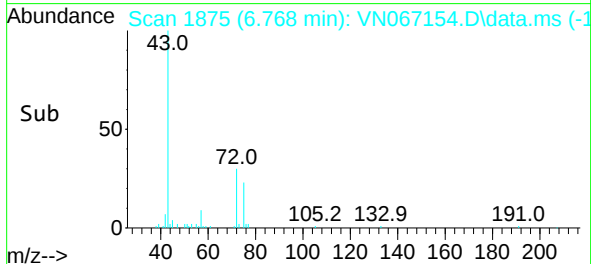
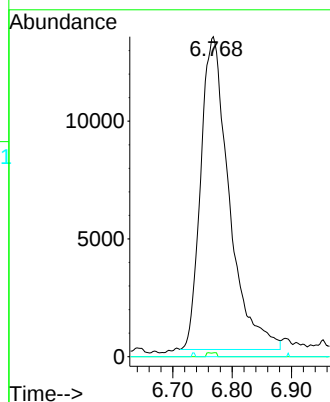
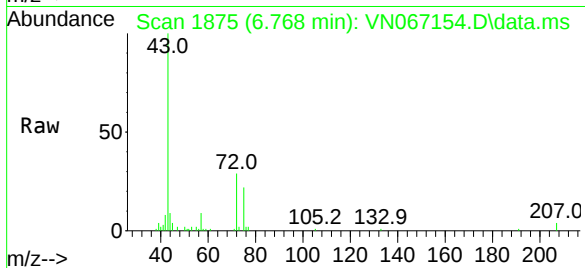
Delta R.T. -0.081 min

Lab File: VN067154.D

Acq: 19 May 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	44162
Ion	Ratio	Lower	Upper
43	100		
61	0.2	13.0	19.4#
70	0.0	9.2	13.8#



#38

Carbon Tetrachloride

Concen: 5.88 ug/l

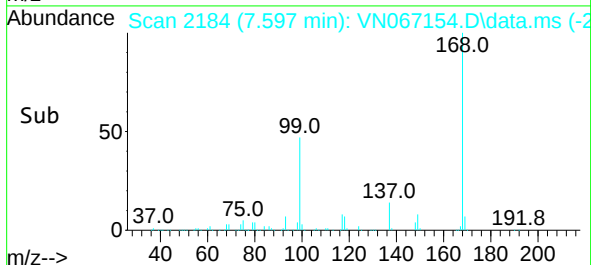
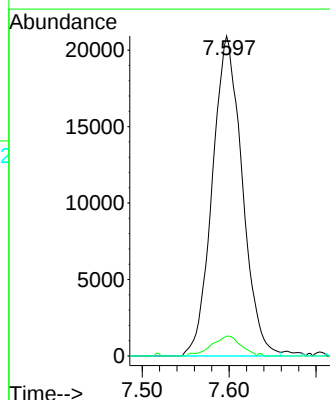
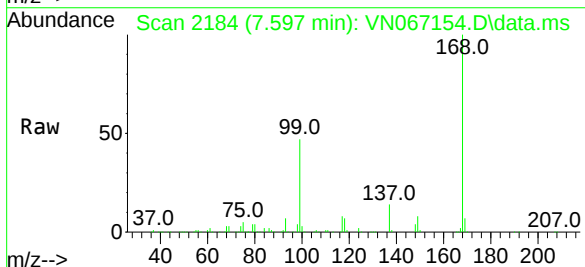
RT: 7.597 min Scan# 2184

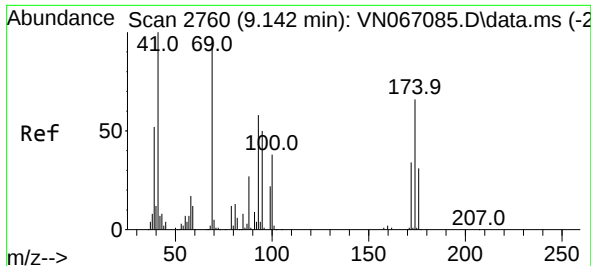
Delta R.T. -0.110 min

Lab File: VN067154.D

Acq: 19 May 2021 16:16

Tgt Ion:	117	Resp:	49897
Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.2	117.2#
121	0.0	24.7	37.1#





#48

Methyl methacrylate

Concen: 3.52 ug/l

RT: 9.126 min Scan# 2754

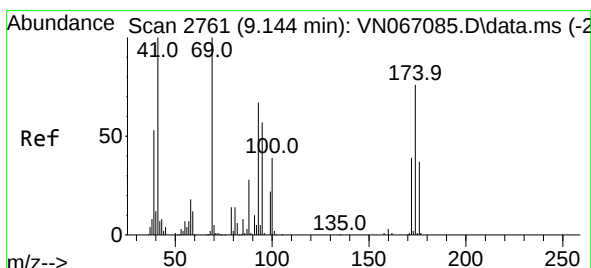
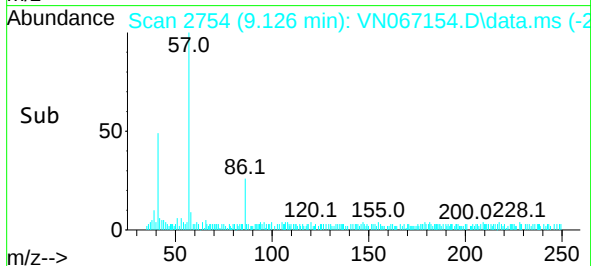
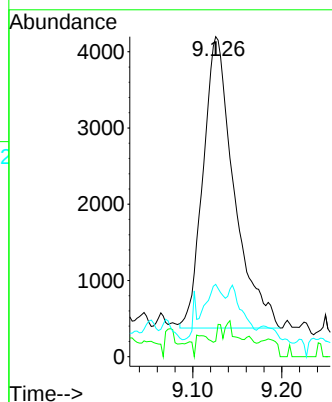
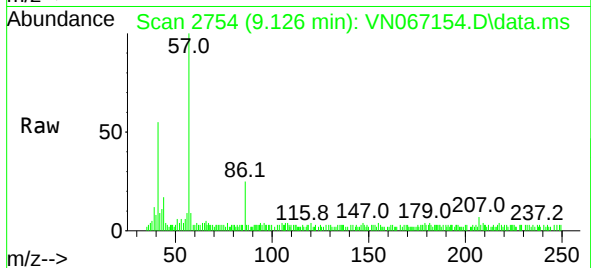
Delta R.T. -0.016 min

Lab File: VN067154.D

Acq: 19 May 2021 16:16

Tgt Ion:	41	Resp:	9210
Ion Ratio	Lower	Upper	
41	100		
69	1.5	80.5	120.7#
39	5.6	41.4	62.0#

Instrument :
MSVOA_N
ClientSampleId :



#49

1,4-Dioxane

Concen: 0.97 ug/l

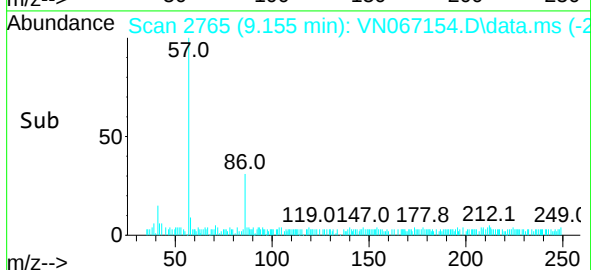
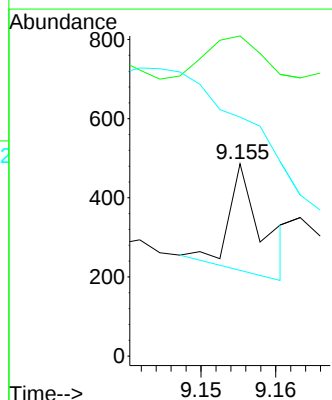
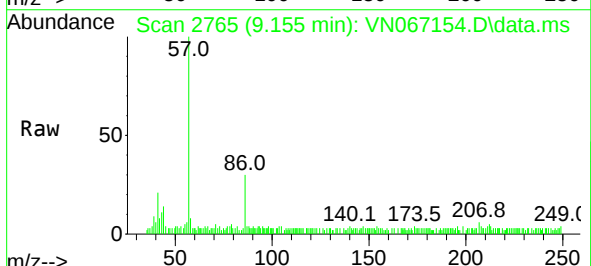
RT: 9.155 min Scan# 2765

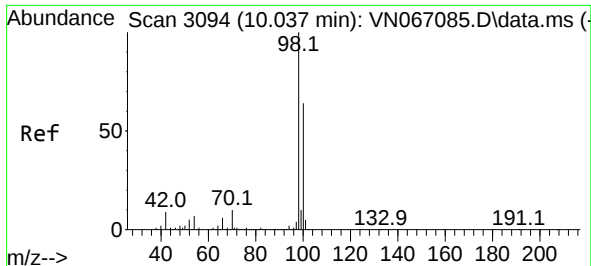
Delta R.T. 0.011 min

Lab File: VN067154.D

Acq: 19 May 2021 16:16

Tgt Ion:	88	Resp:	81
Ion Ratio	Lower	Upper	
88	100		
43	0.0	21.8	32.8#
58	0.0	50.8	76.2#

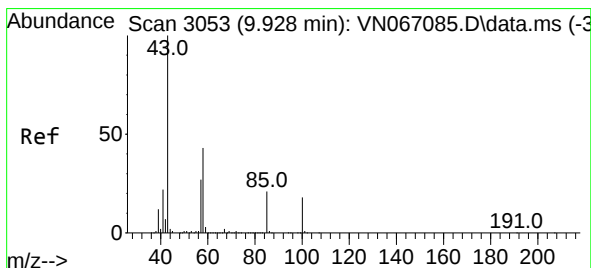
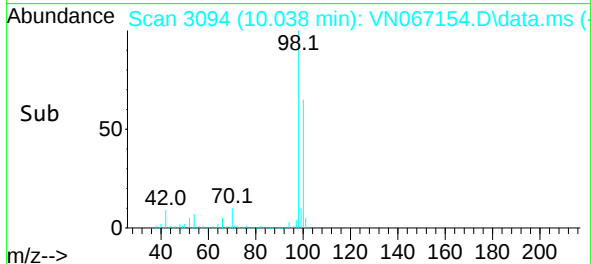
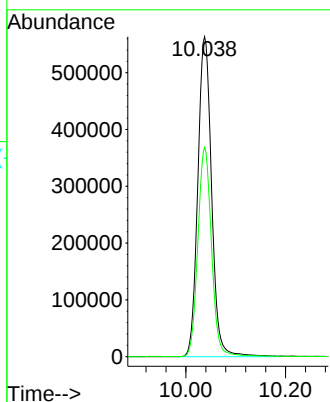
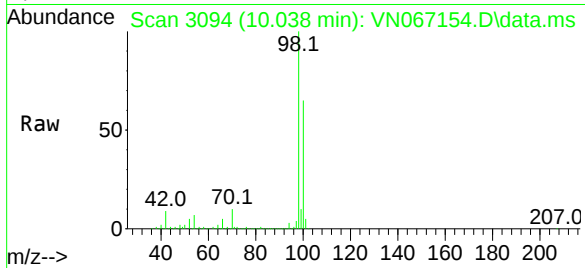




#50
Toluene-d8
Concen: 49.92 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

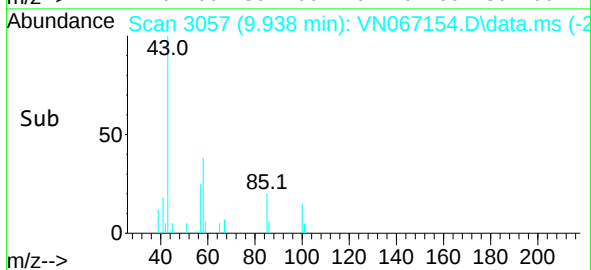
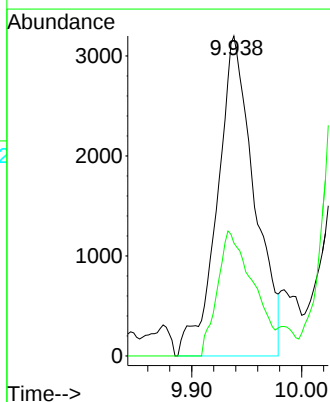
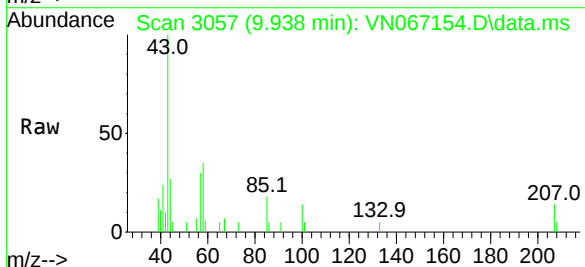
Instrument :
MSVOA_N
ClientSampled :

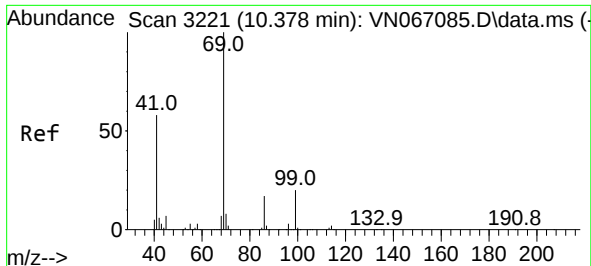
Tgt Ion: 98 Resp: 1084910
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 6.44 ug/l
RT: 9.938 min Scan# 3057
Delta R.T. 0.010 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 43 Resp: 7475
Ion Ratio Lower Upper
43 100
58 37.9 34.5 51.7

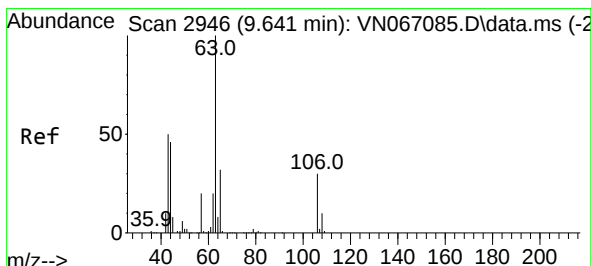
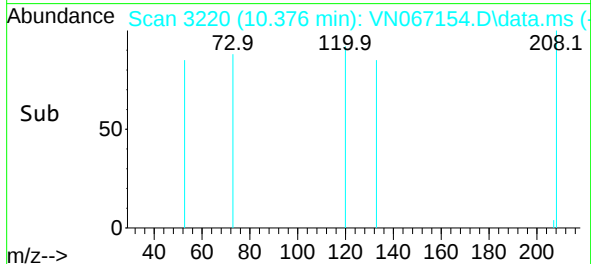
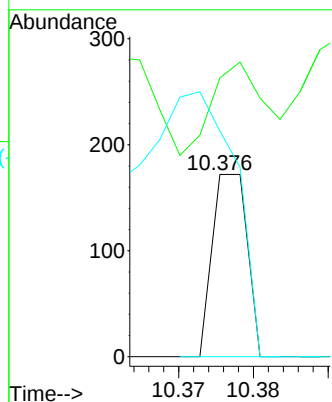
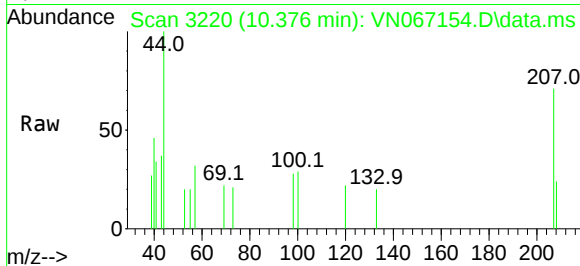




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.376 min Scan# 3220
Delta R.T. -0.002 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

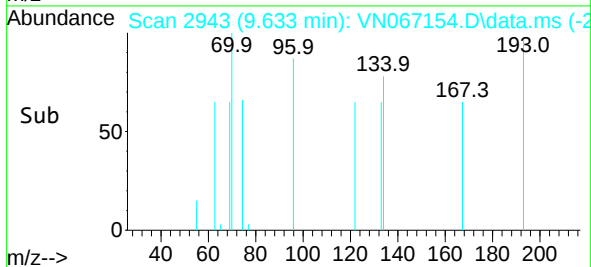
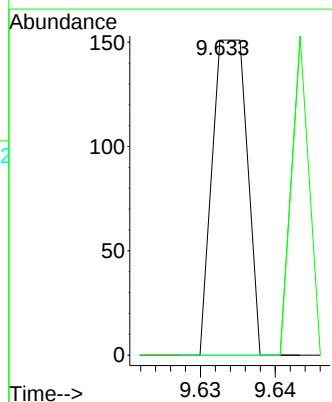
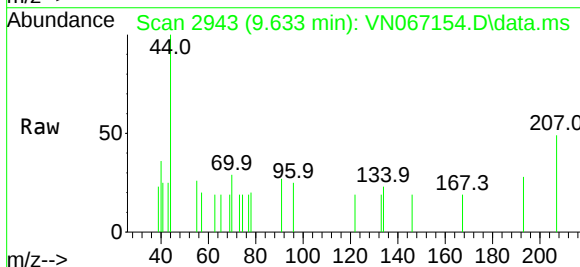
Instrument :
MSVOA_N
ClientSampleId :

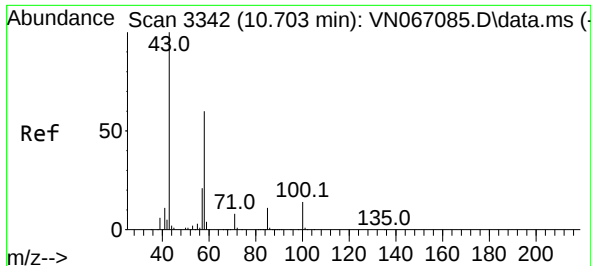
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 481.8 45.5 68.3#
39 521.8 22.9 34.3#



#58
2-Chloroethyl Vinyl ether
Concen: 4.59 ug/l
RT: 9.633 min Scan# 2943
Delta R.T. -0.008 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 51.0 23.9 35.9#

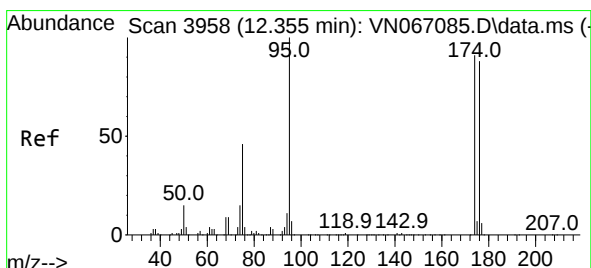
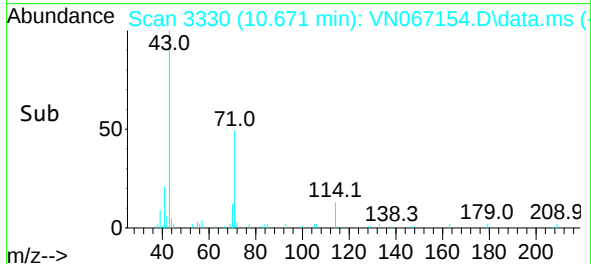
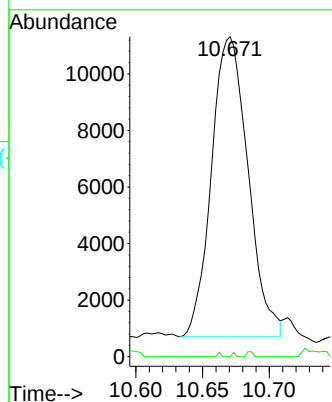
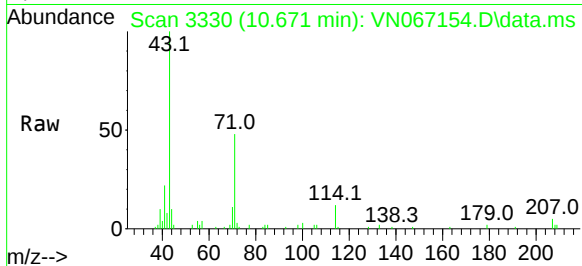




#59
2-Hexanone
Concen: 25.99 ug/l
RT: 10.671 min Scan# 3330
Delta R.T. -0.032 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

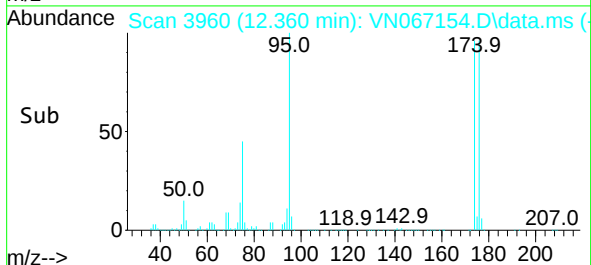
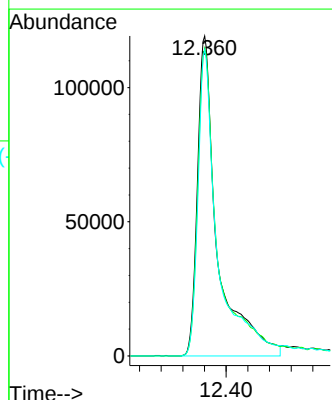
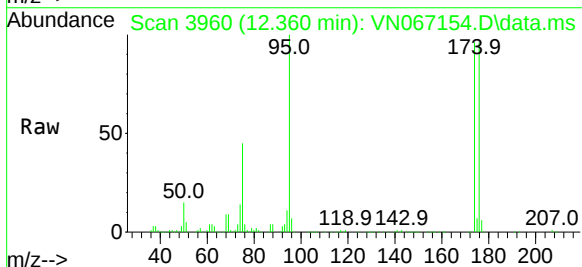
Instrument :
MSVOA_N
ClientSampled :

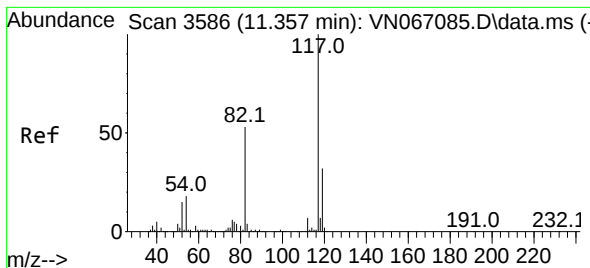
Tgt Ion: 43 Resp: 20230
Ion Ratio Lower Upper
43 100
58 0.1 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 42.06 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.005 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 95 Resp: 306218
Ion Ratio Lower Upper
95 100
174 96.6 0.0 182.8
176 94.4 0.0 176.6

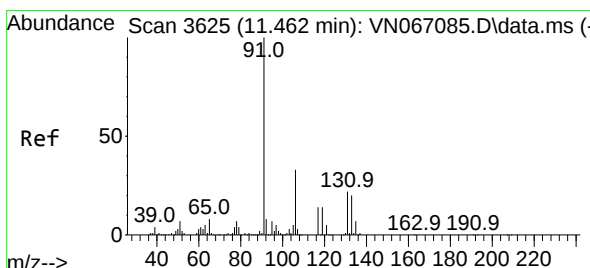
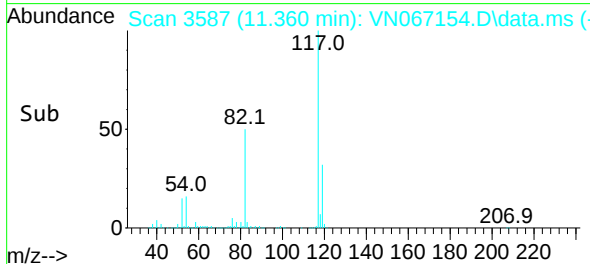
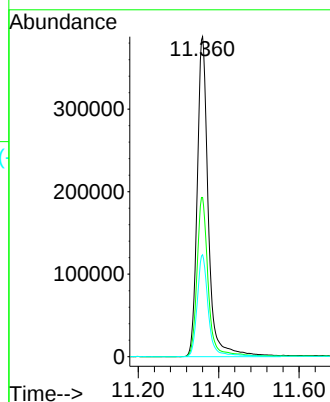
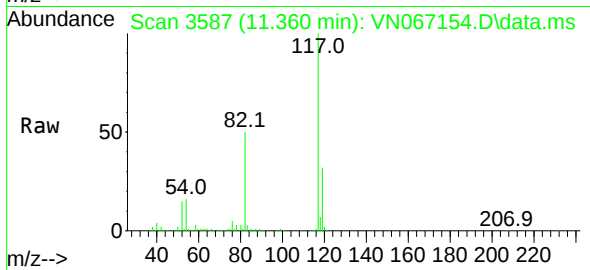




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.360 min Scan# 3587
Delta R.T. 0.003 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

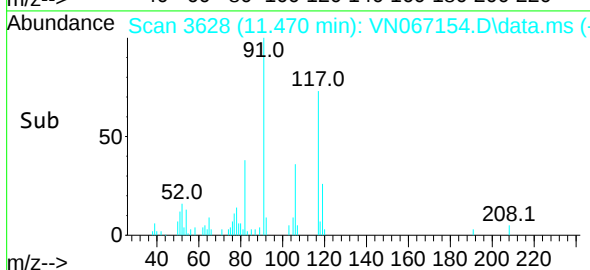
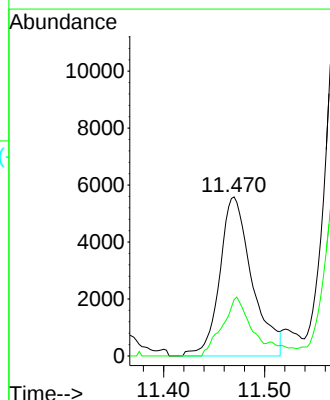
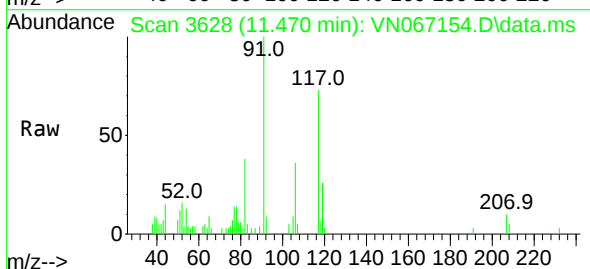
Instrument :
MSVOA_N
ClientSampled :

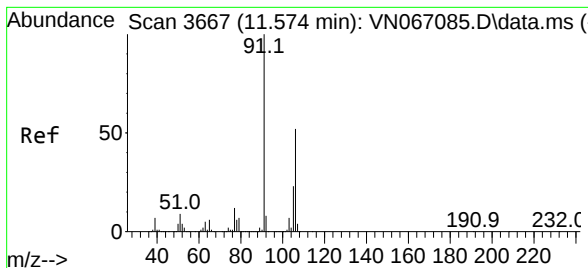
Tgt Ion:117 Resp: 745393
Ion Ratio Lower Upper
117 100
82 49.8 42.2 63.2
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 0.44 ug/l
RT: 11.470 min Scan# 3628
Delta R.T. 0.008 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 91 Resp: 12390
Ion Ratio Lower Upper
91 100
106 35.6 26.2 39.2

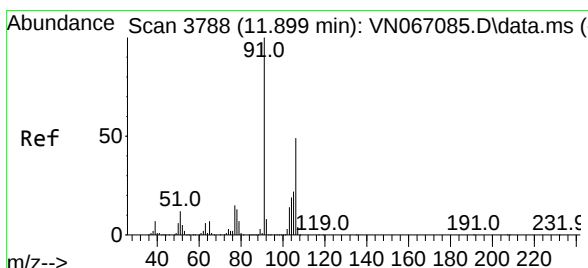
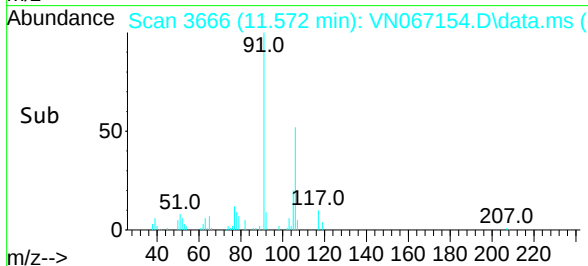
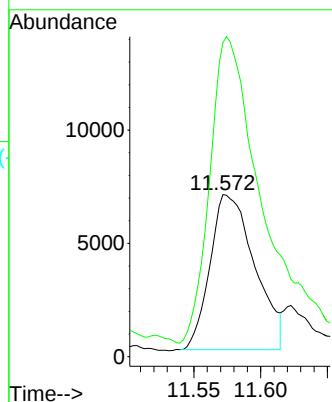
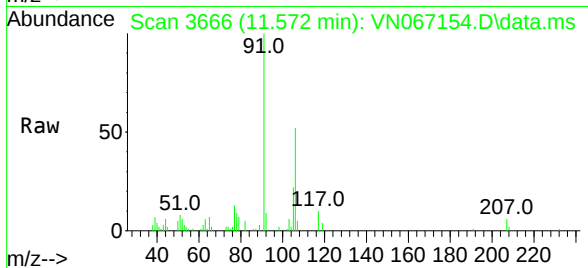




#68
m/p-Xylenes
Concen: 1.48 ug/l
RT: 11.572 min Scan# 3666
Delta R.T. -0.002 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

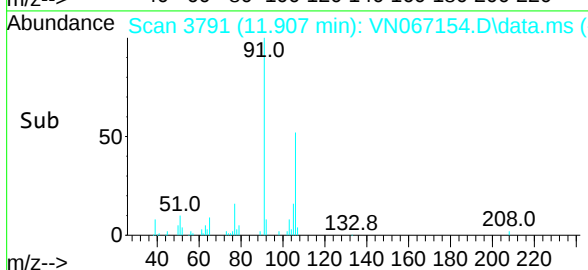
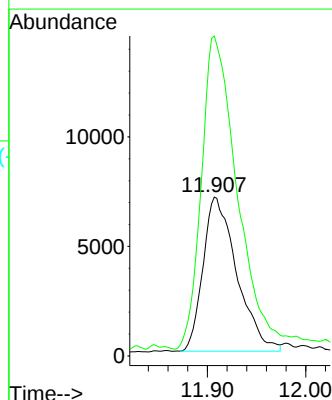
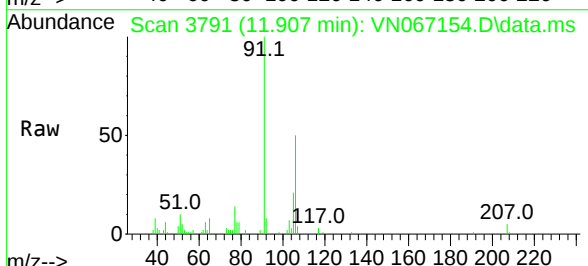
Instrument :
MSVOA_N
ClientSampleId :

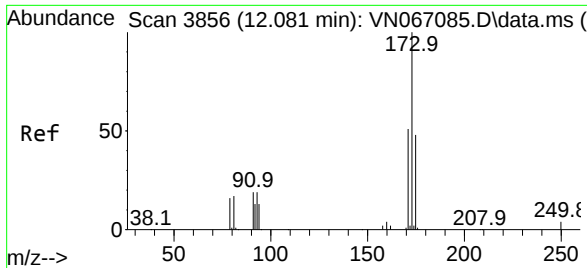
Tgt Ion:106 Resp: 15960
Ion Ratio Lower Upper
106 100
91 236.1 155.2 232.8#



#69
o-Xylene
Concen: 1.54 ug/l
RT: 11.907 min Scan# 3791
Delta R.T. 0.008 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion:106 Resp: 16784
Ion Ratio Lower Upper
106 100
91 216.5 102.3 306.8

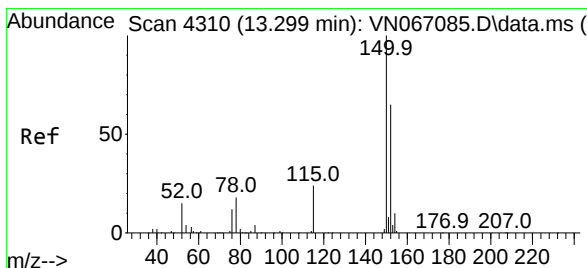
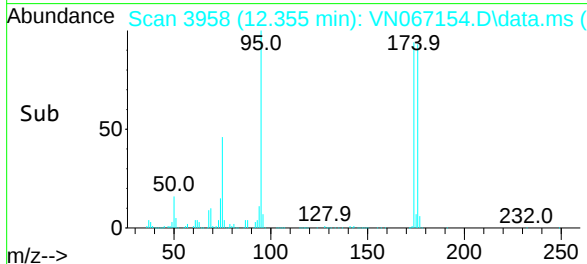
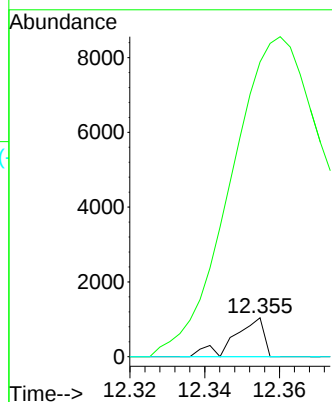
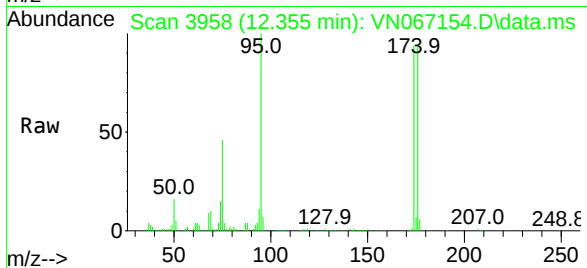




#71
Bromoform
Concen: 1.86 ug/l
RT: 12.355 min Scan# 3958
Delta R.T. 0.274 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

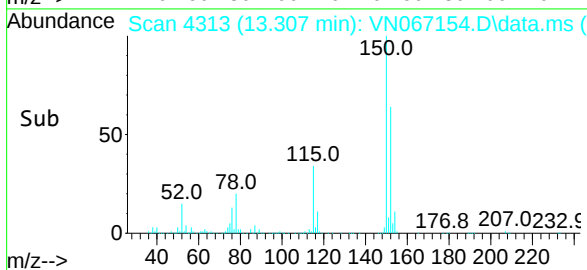
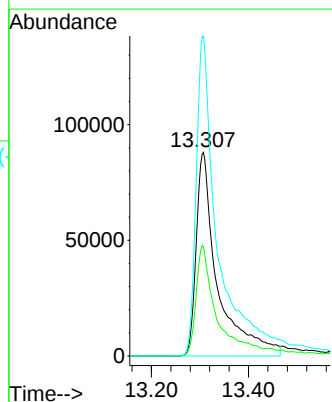
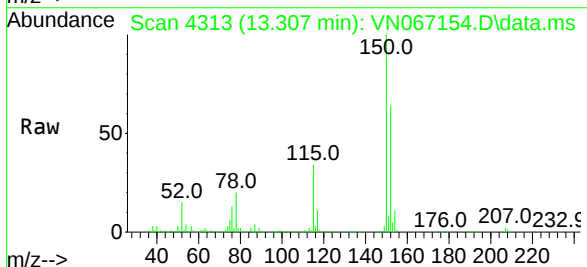
Instrument :
MSVOA_N
ClientSampleId :

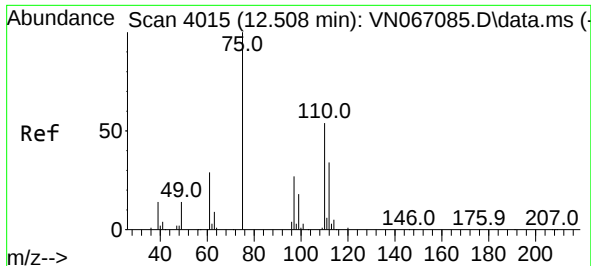
Tgt Ion:173 Resp: 570
Ion Ratio Lower Upper
173 100
175 2264.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.307 min Scan# 4313
Delta R.T. 0.008 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion:152 Resp: 269799
Ion Ratio Lower Upper
152 100
115 52.0 27.0 80.8
150 159.9 0.0 350.2

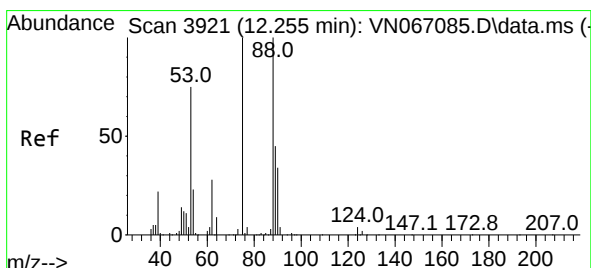
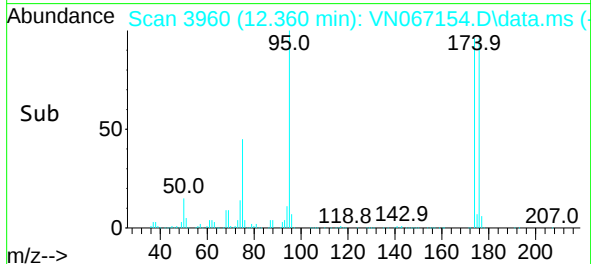
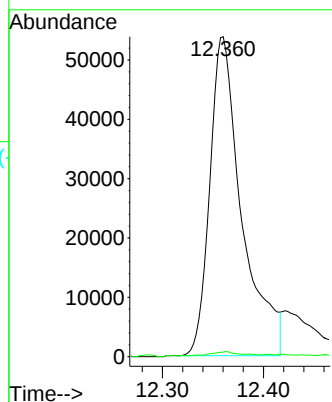
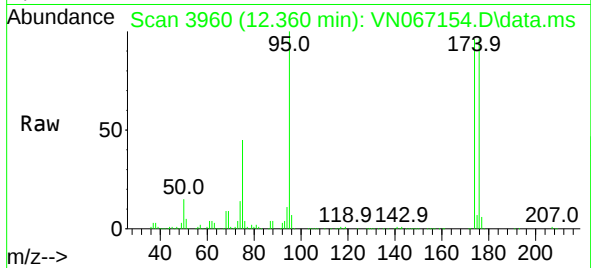




#76
1,2,3-Trichloropropane
Concen: 20.80 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. -0.148 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

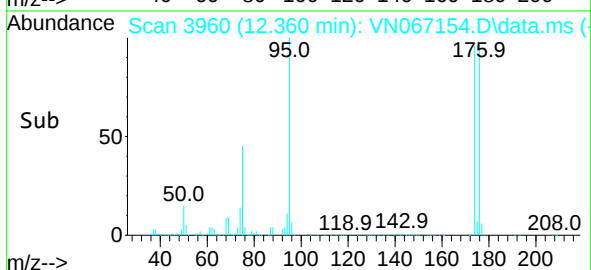
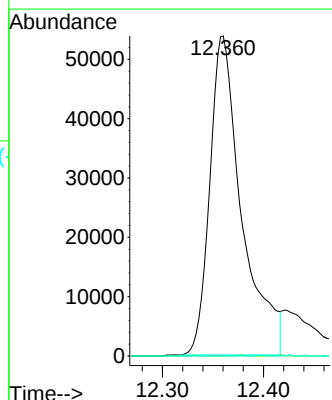
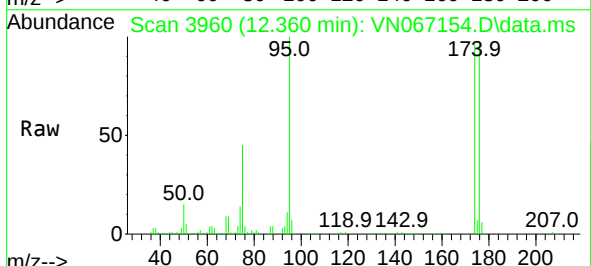
Instrument :
MSVOA_N
ClientSampled :

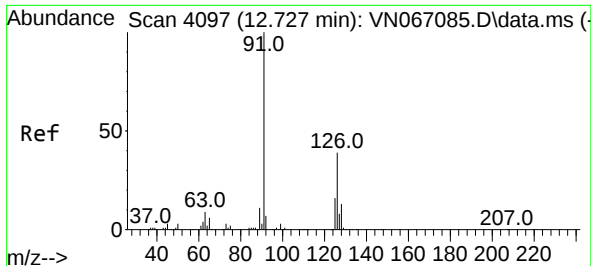
Tgt Ion: 75 Resp: 118407
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.73 ug/l
RT: 12.360 min Scan# 3960
Delta R.T. 0.105 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Tgt Ion: 75 Resp: 118407
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

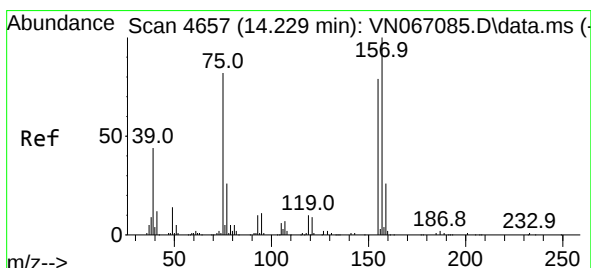
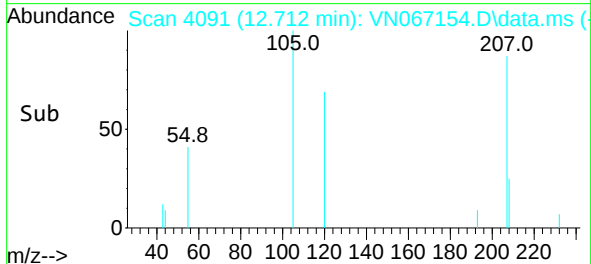
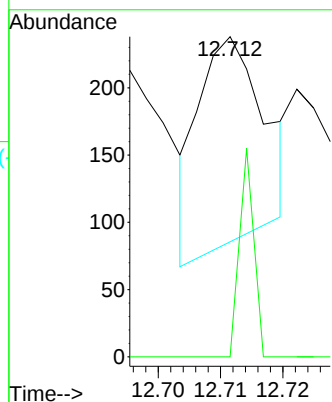
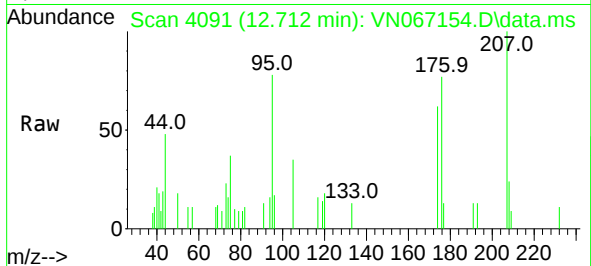




#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.712 min Scan# 4091
Delta R.T. -0.015 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

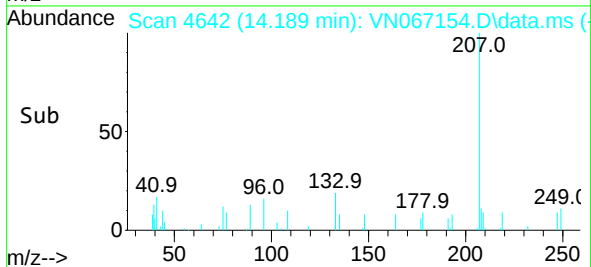
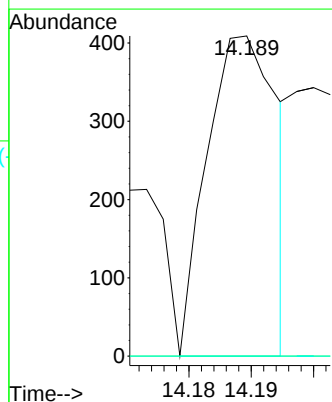
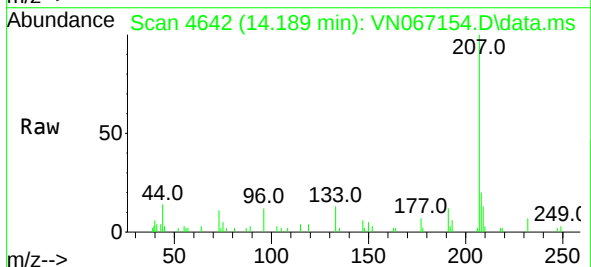
Instrument :
MSVOA_N
ClientSampled :

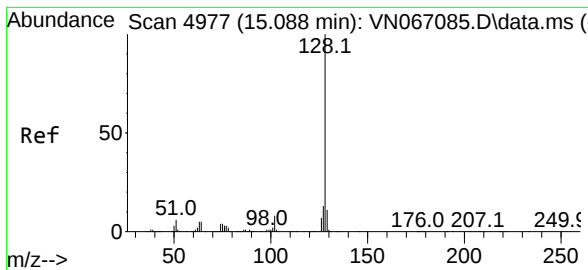
Tgt Ion: 91 Resp: 111
Ion Ratio Lower Upper
91 100
126 22.5 17.7 53.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.32 ug/l
RT: 14.189 min Scan# 4642
Delta R.T. -0.040 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

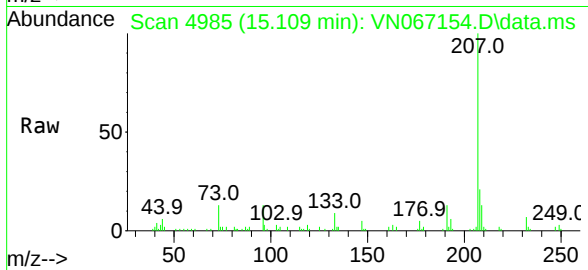
Tgt Ion: 75 Resp: 319
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#





#95
Naphthalene
Concen: 3.26 ug/l
RT: 15.109 min Scan# 4985
Delta R.T. 0.021 min
Lab File: VN067154.D
Acq: 19 May 2021 16:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	119
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

