

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067232.D
 Acq On : 5 Jun 2021 16:02
 Operator : JC/MD
 Sample : M2589-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(2-4)

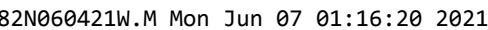
Quant Time: Jun 07 01:16:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

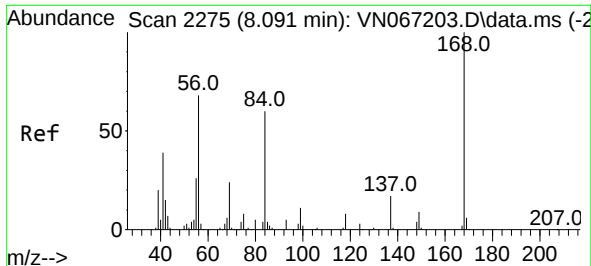
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	217715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	382360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	379827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	164118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	141234	47.590	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.180%		
35) Dibromofluoromethane	8.027	113	115717	48.818	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.640%		
50) Toluene-d8	10.446	98	500925	51.889	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.736	95	164360	44.206	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.420%		
Target Compounds					Qvalue	
13) Acrolein	4.052	56	86	Below Cal	#	14
16) Acetone	4.299	43	13991	13.663	ug/l	97
17) Carbon Disulfide	4.543	76	4183	0.690	ug/l	95
18) Methyl Acetate	4.867	43	739	0.255	ug/l	# 48
20) Methylene Chloride	5.109	84	5848	2.268	ug/l	# 93
25) 2-Butanone	7.353	43	4751	2.897	ug/l	93
29) Tetrahydrofuran	7.699	42	292	0.299	ug/l	# 60
31) Cyclohexane	8.091	56	5100	1.280	ug/l	# 48
36) 1,1-Dichloropropene	8.091	75	17541	4.967	ug/l	# 48
37) Ethyl Acetate	7.353	43	4751	1.396	ug/l	# 65
38) Carbon Tetrachloride	8.088	117	20971	5.438	ug/l	# 14
41) Methacrylonitrile	7.699	41	446	0.253	ug/l	# 17
43) Isopropyl Acetate	8.566	43	15551	2.402	ug/l	# 82
45) 1,2-Dichloropropane	9.630	63	609	0.223	ug/l	# 45
48) Methyl methacrylate	9.547	41	4016	1.432	ug/l	# 9
51) 4-Methyl-2-Pentanone	10.336	43	2822	0.744	ug/l	99
54) cis-1,3-Dichloropropene	10.247	75	24458	5.230	ug/l	# 67
57) 1,3-Dichloropropane	11.095	76	12925	2.859	ug/l	# 42
59) 2-Hexanone	11.097	43	187020	67.837	ug/l	# 45
74) N-amyl acetate	12.358	43	1053	0.209	ug/l	# 42
76) 1,2,3-Trichloropropane	12.736	75	90539	28.687	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	90539	70.189	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.374	105	2526	0.235	ug/l	83
90) Hexachloroethane	14.332	117	513	0.262	ug/l	# 4
95) Naphthalene	15.512	128	17424	6.601	ug/l	98

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

Quant Time: Jun 07 01:16:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 04 19:00:20 2021
Response via : Initial Calibration

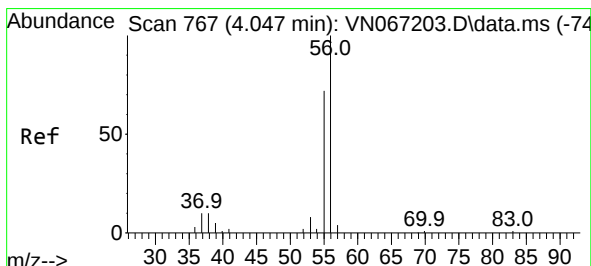
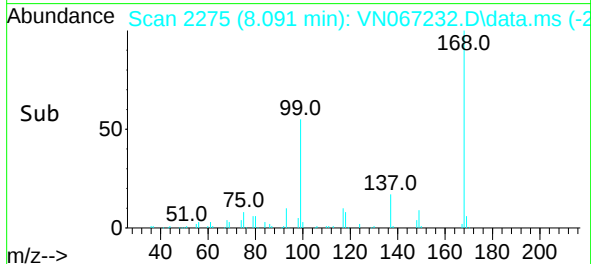
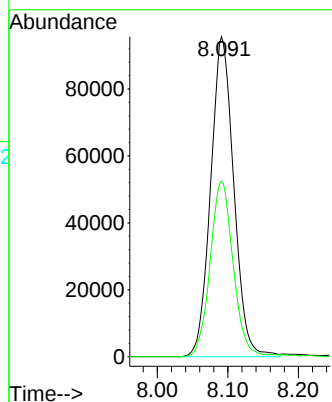
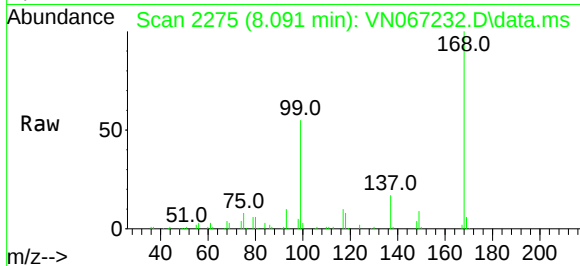




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

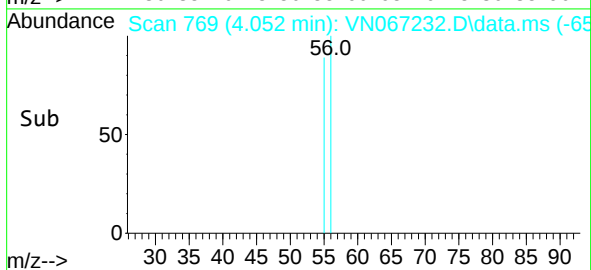
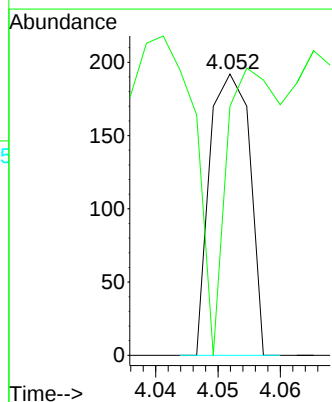
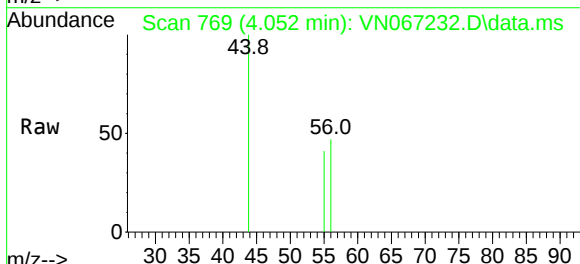
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

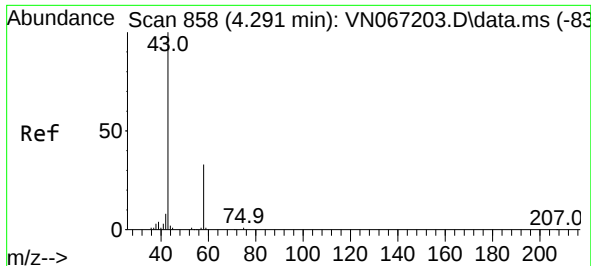
Tgt Ion:168 Resp: 217715
Ion Ratio Lower Upper
168 100
99 54.9 38.5 57.7



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

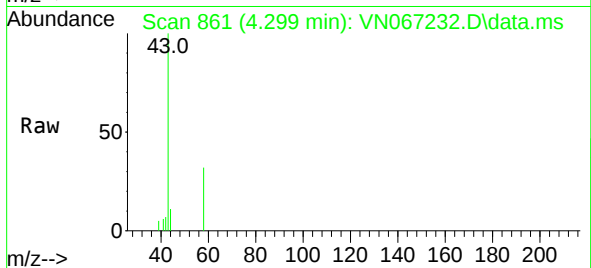
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 136.0 53.8 80.6#



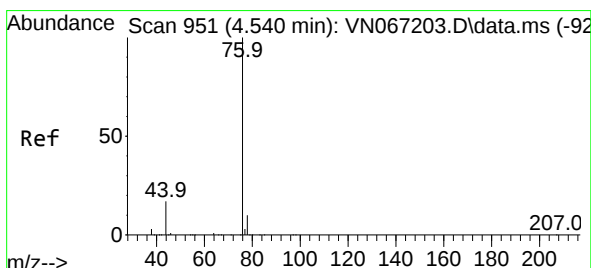
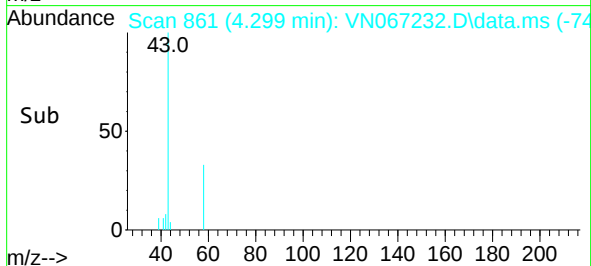
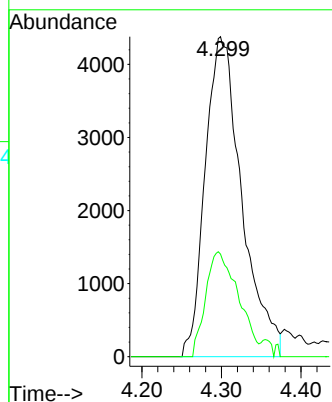


#16
Acetone
Concen: 13.663 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

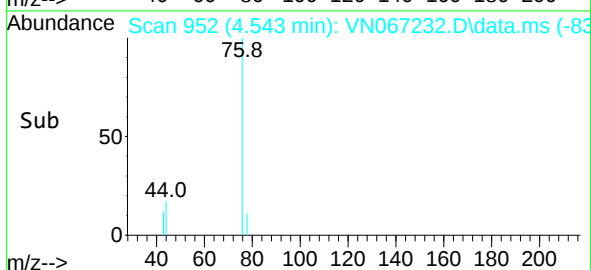
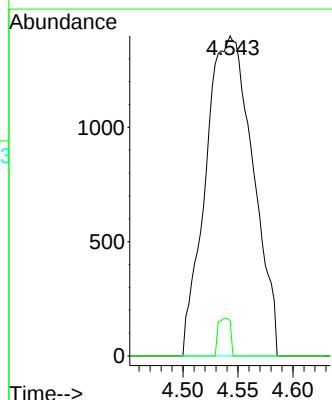
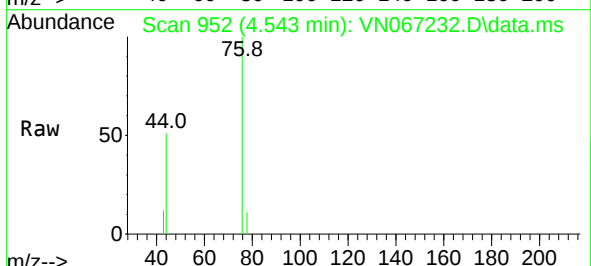


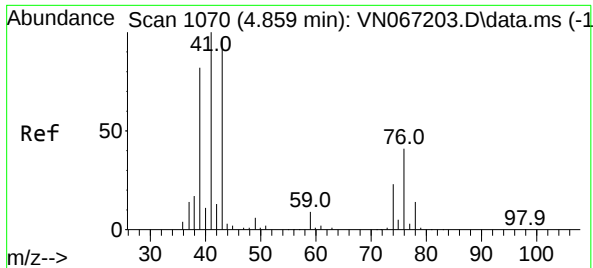
Tgt Ion: 43 Resp: 13991
Ion Ratio Lower Upper
43 100
58 32.1 27.2 40.8



#17
Carbon Disulfide
Concen: 0.690 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 76 Resp: 4183
Ion Ratio Lower Upper
76 100
78 11.1 7.5 11.3

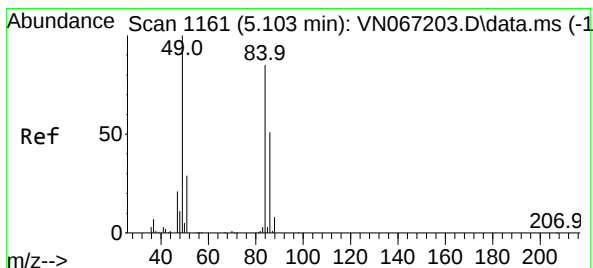
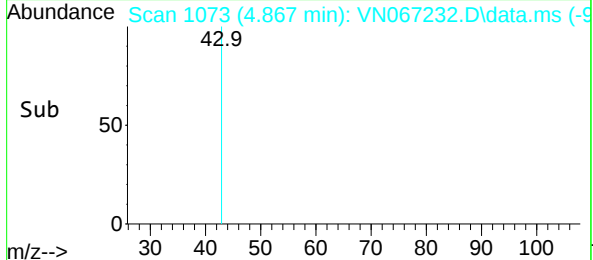
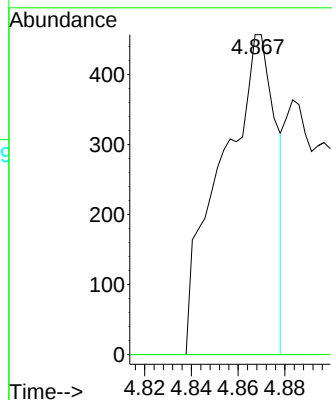
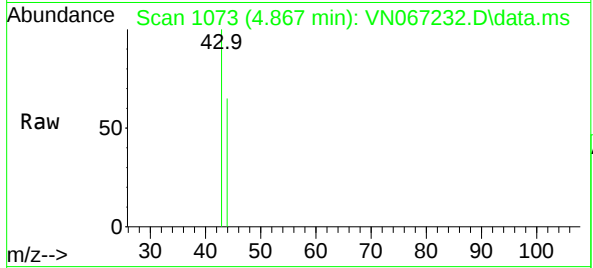




#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.008 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

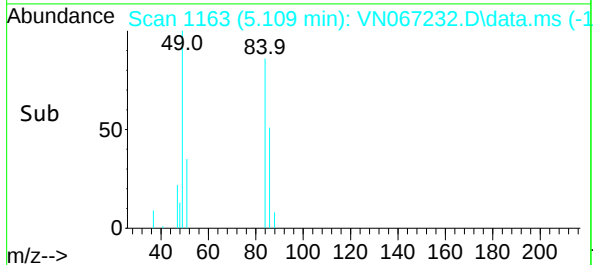
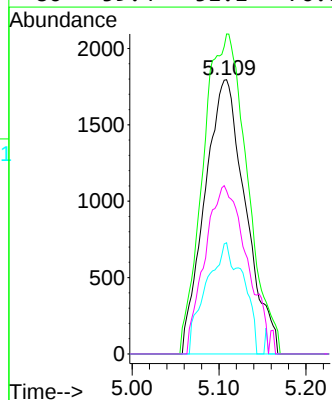
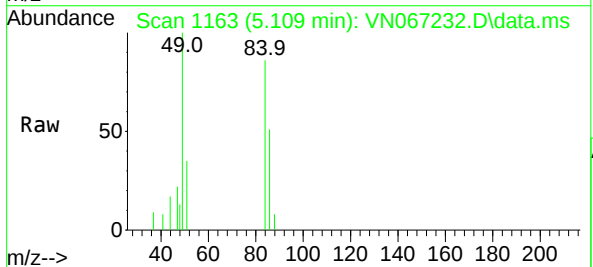
Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

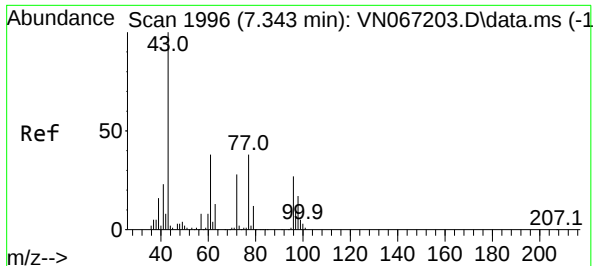
Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



#20
Methylene Chloride
Concen: 2.268 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.005 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 84 Resp: 5848
Ion Ratio Lower Upper
84 100
49 116.7 88.3 132.5
51 40.6 26.7 40.1#
86 59.4 51.1 76.7

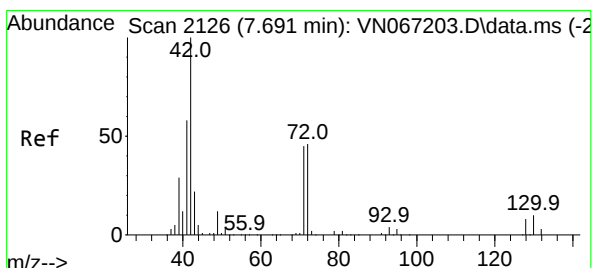
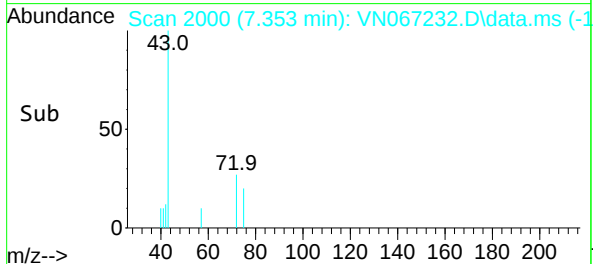
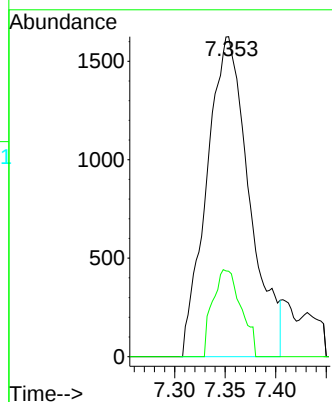
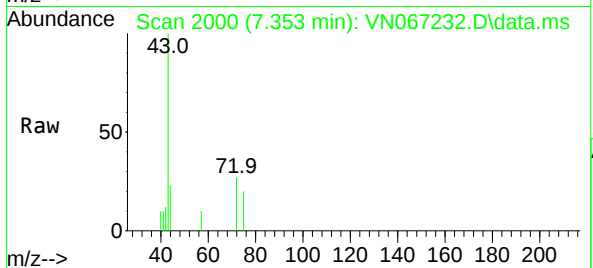




#25
2-Butanone
Concen: 2.897 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.010 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

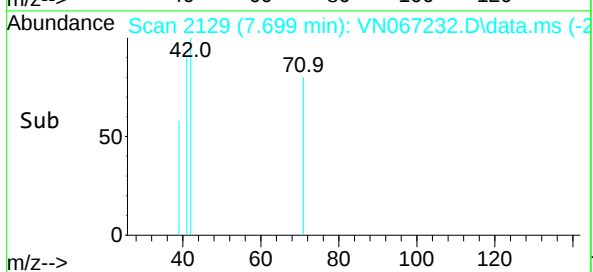
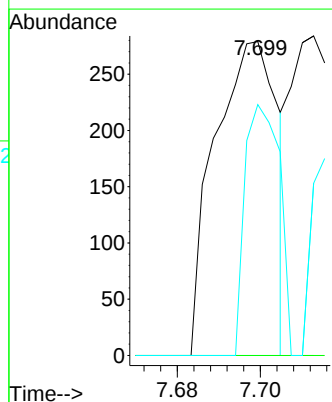
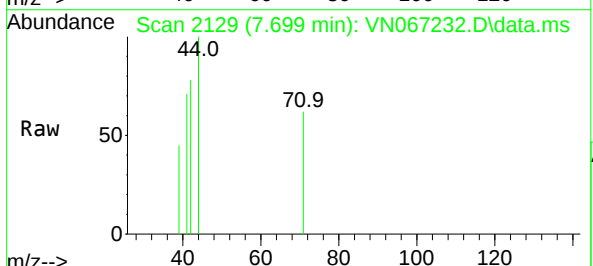
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

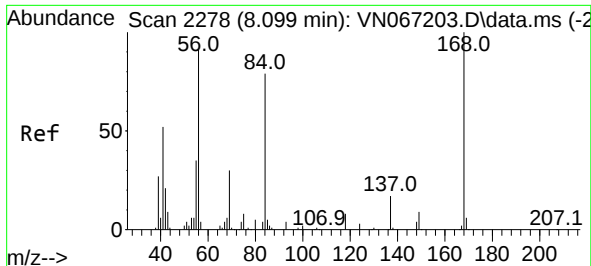
Tgt Ion: 43 Resp: 4751
Ion Ratio Lower Upper
43 100
72 26.7 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.299 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.008 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

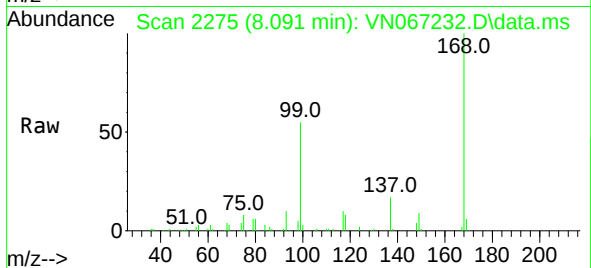
Tgt Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 44.2 37.9 56.9



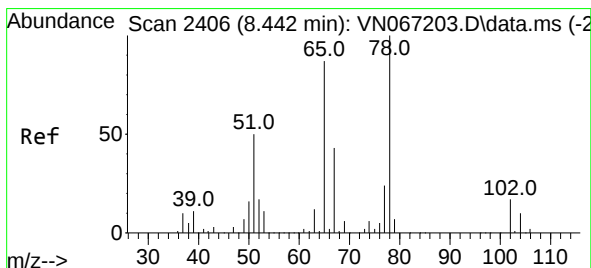
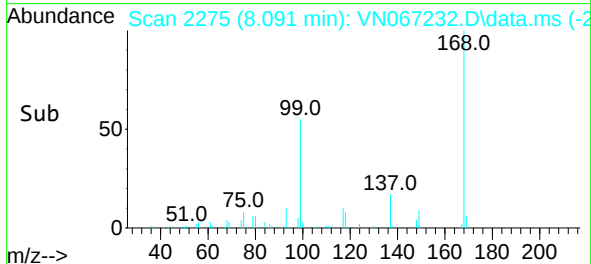
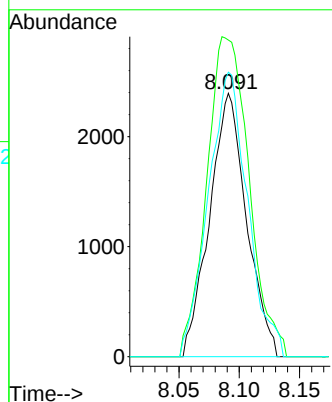


#31
Cyclohexane
Concen: 1.280 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

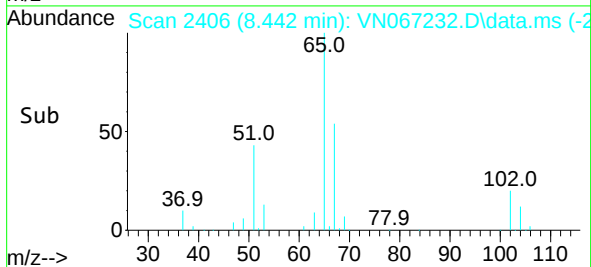
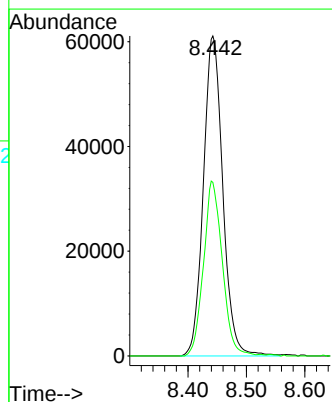
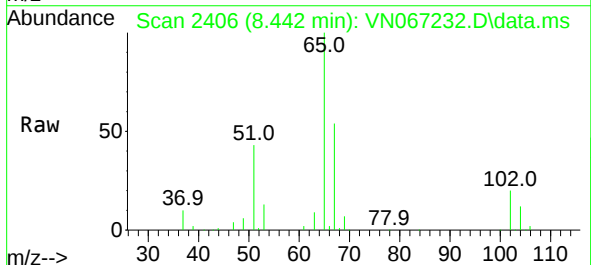


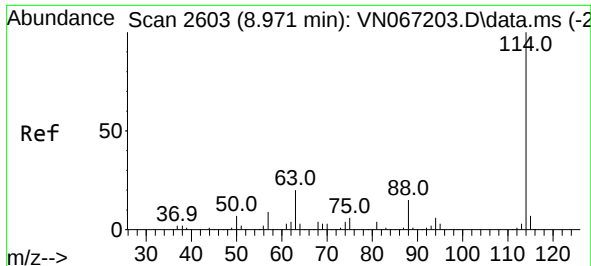
Tgt Ion: 56 Resp: 5100
Ion Ratio Lower Upper
56 100
69 120.3 28.0 42.0#
84 108.1 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 47.590 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 65 Resp: 141234
Ion Ratio Lower Upper
65 100
67 52.9 0.0 110.4

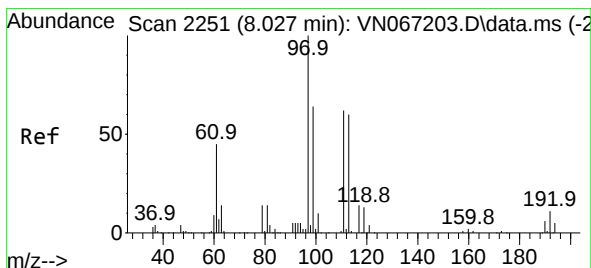
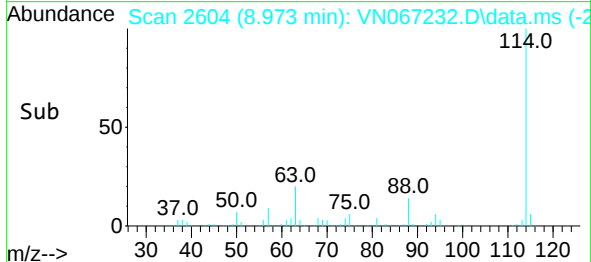
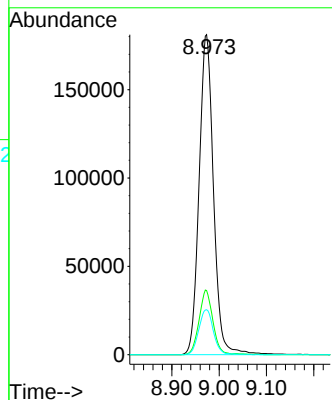
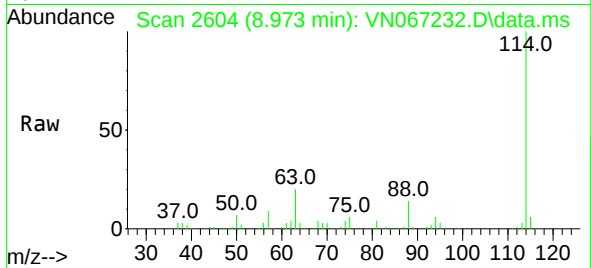




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

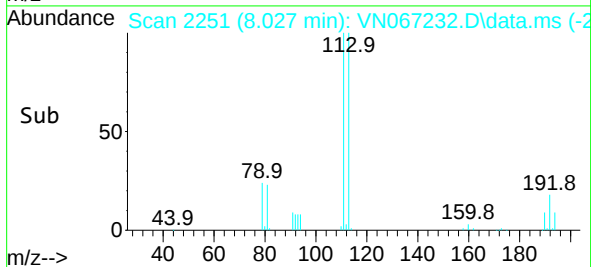
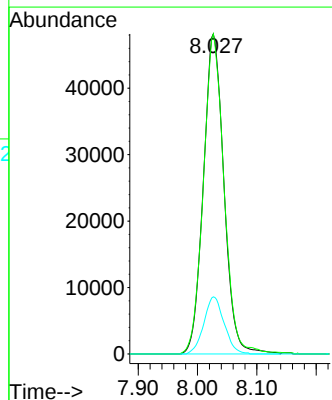
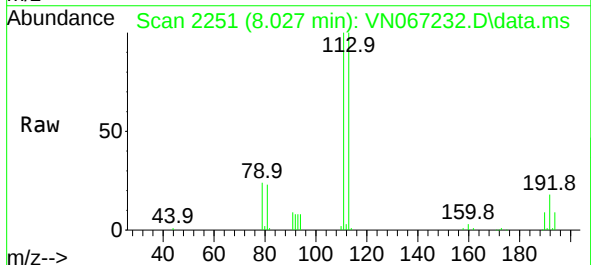
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18-B11(2-4)

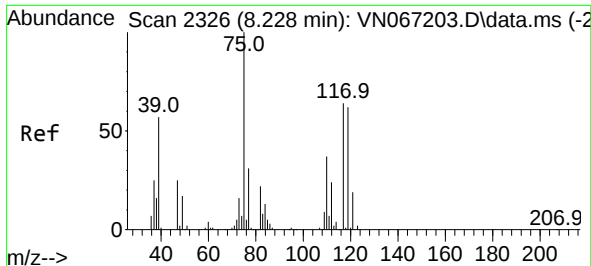
Tgt Ion:114 Resp: 382360
Ion Ratio Lower Upper
114 100
63 20.1 0.0 35.8
88 14.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 48.818 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

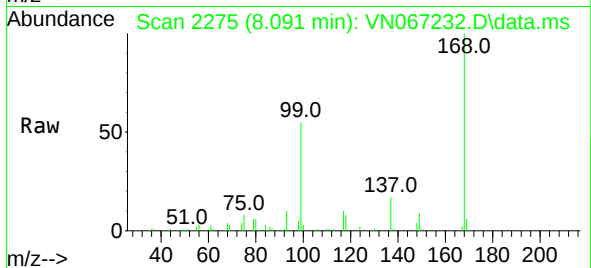
Tgt Ion:113 Resp: 115717
Ion Ratio Lower Upper
113 100
111 100.5 82.6 124.0
192 17.7 18.2 27.4#



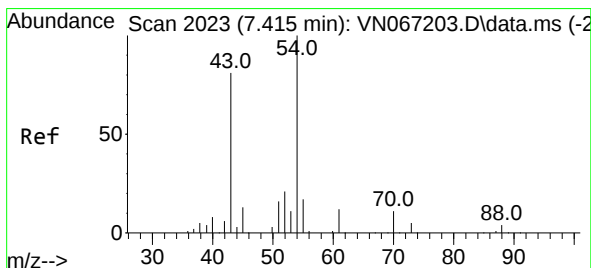
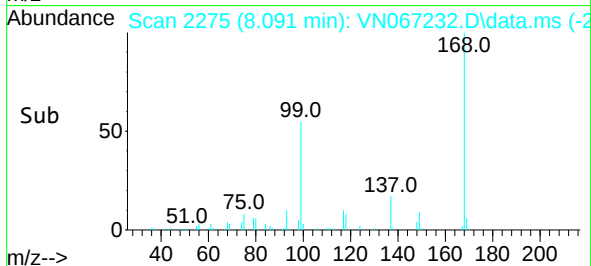
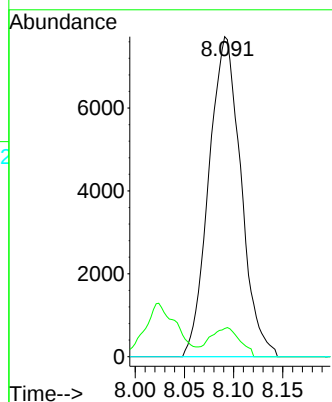


#36
 1,1-Dichloropropene
 Concen: 4.967 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.137 min
 Lab File: VN067232.D
 Acq: 5 Jun 2021 16:02

Instrument :
 MSVOA_N
 ClientSampled :
 18-B11(2-4)

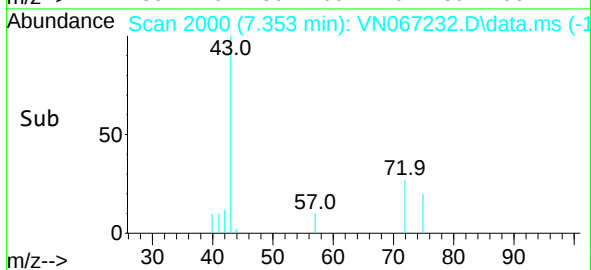
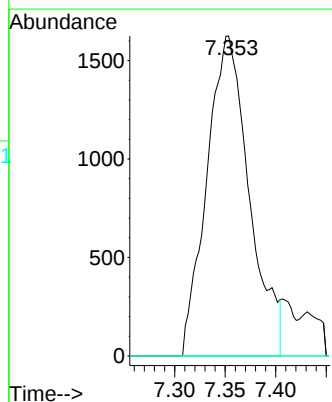
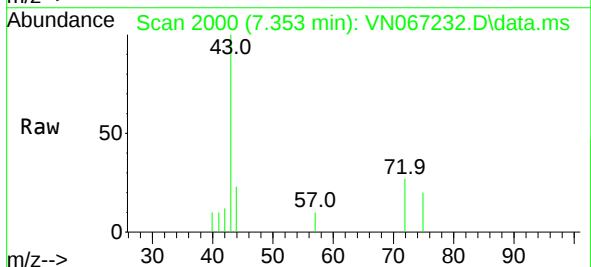


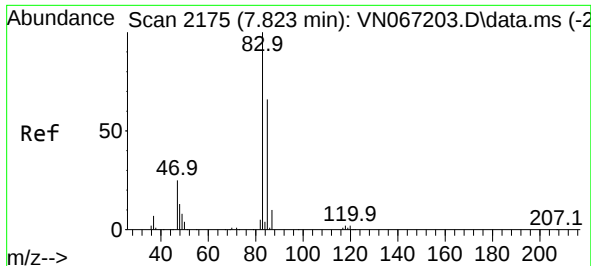
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 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.3#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.396 ug/l
 RT: 7.353 min Scan# 2000
 Delta R.T. -0.062 min
 Lab File: VN067232.D
 Acq: 5 Jun 2021 16:02

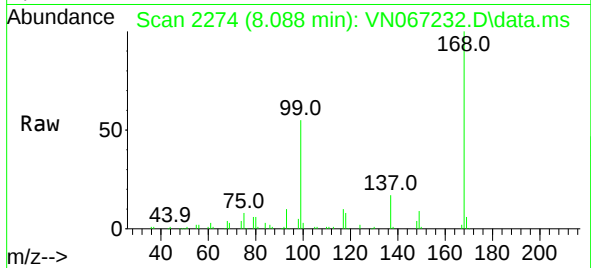
Tgt Ion: 43 Resp: 4751
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.2 13.8#



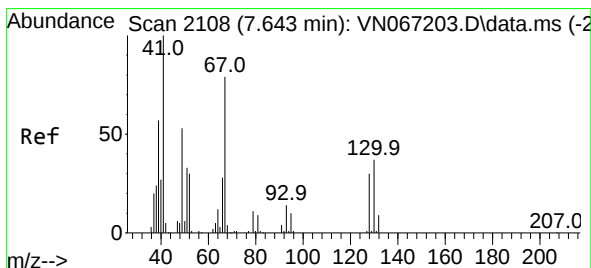
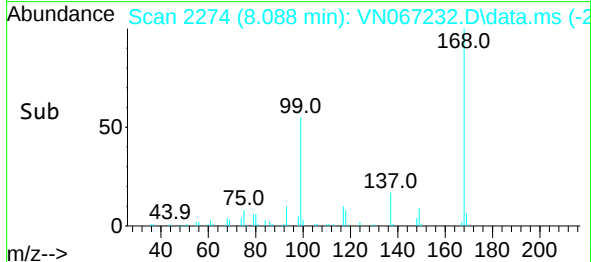
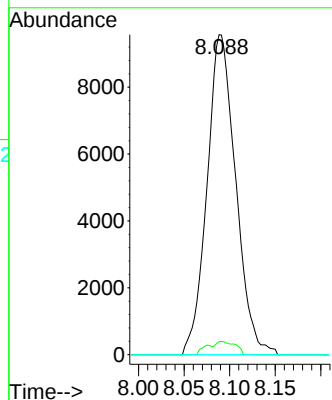


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.123 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :
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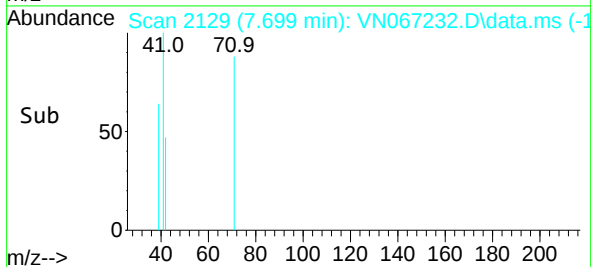
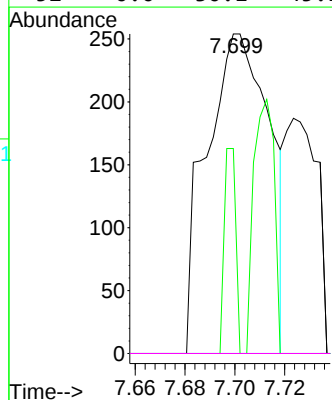
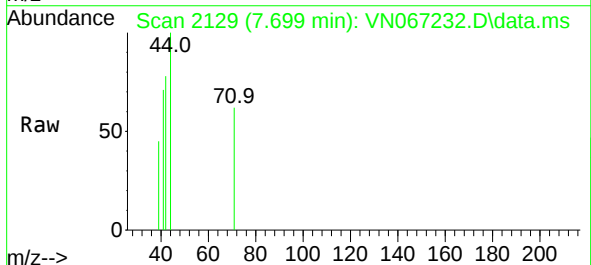


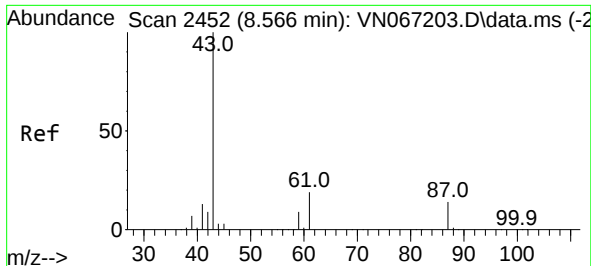
Tgt Ion:117 Resp: 20971
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 0.253 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.056 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

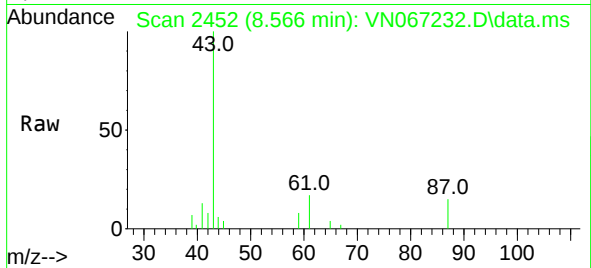
Tgt Ion: 41 Resp: 446
Ion Ratio Lower Upper
41 100
39 11.7 45.3 67.9#
67 0.0 85.1 127.7#
52 0.0 30.1 45.1#



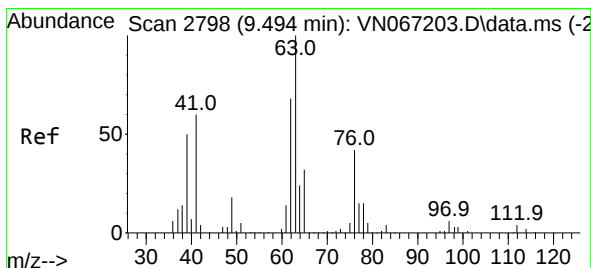
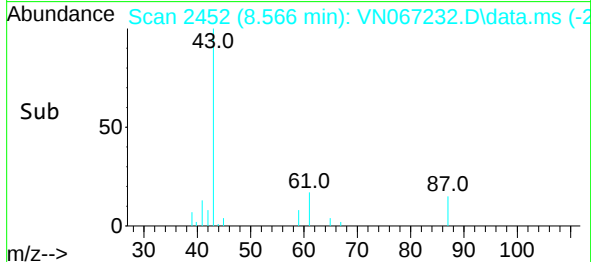
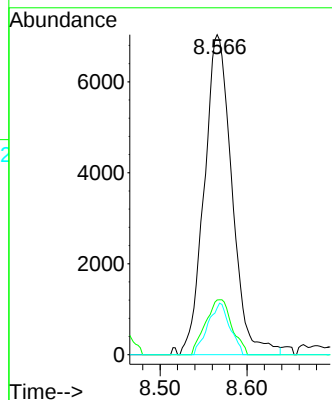


#43
Isopropyl Acetate
Concen: 2.402 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

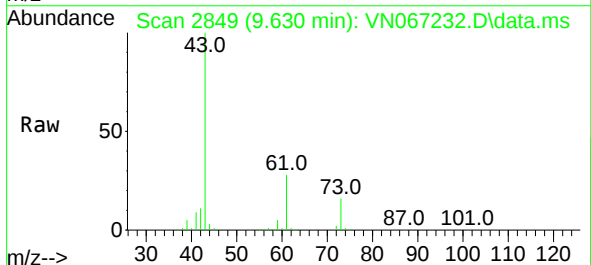
Instrument :
MSVOA_N
ClientSampleId :
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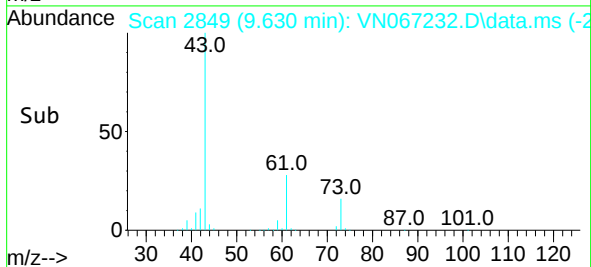
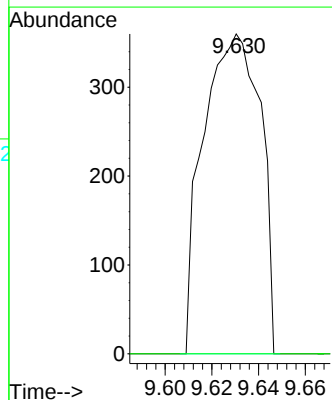
Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.3	23.4	35.0#
87	12.8	12.2	18.2

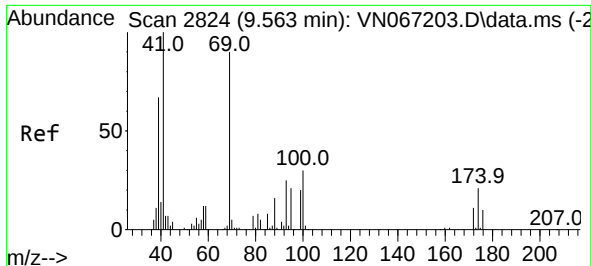


#45
1,2-Dichloropropane
Concen: 0.223 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.137 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02



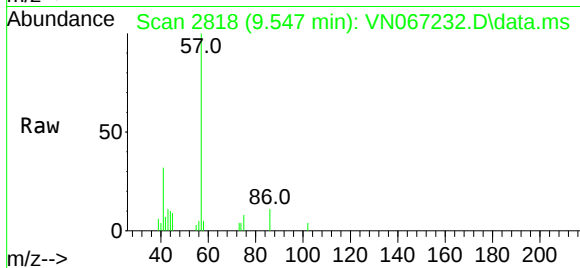
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#



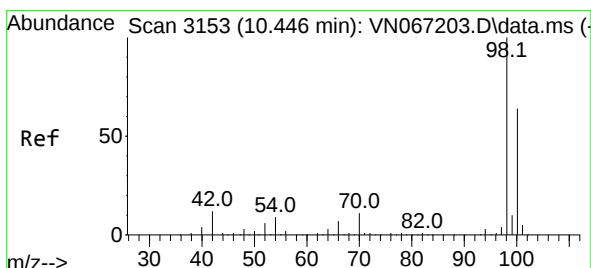
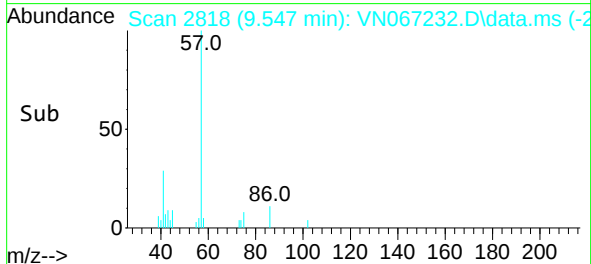
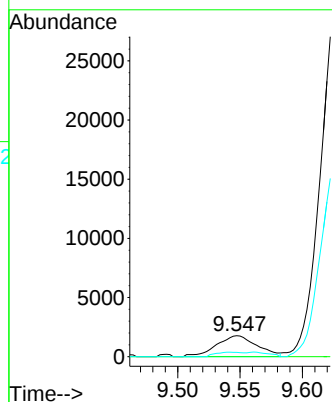


#48
Methyl methacrylate
Concen: 1.432 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

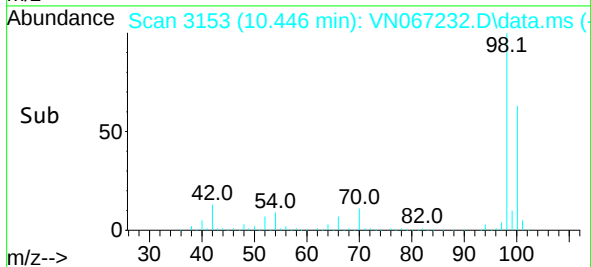
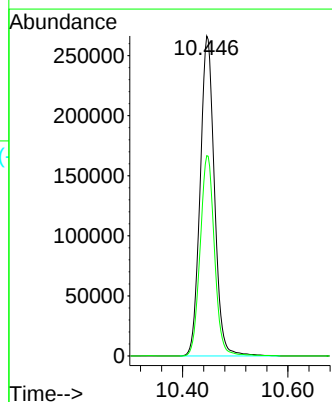
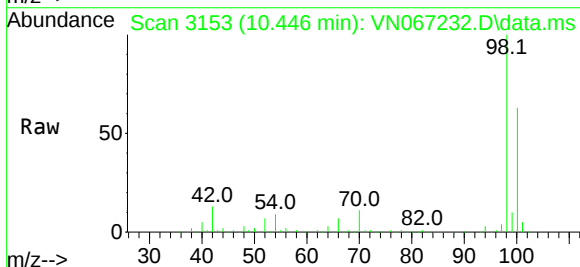


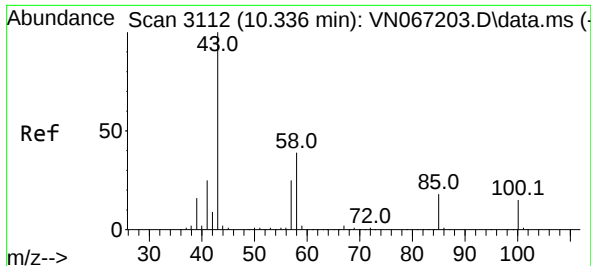
Tgt Ion: 41 Resp: 4016
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#



#50
Toluene-d8
Concen: 51.889 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 98 Resp: 500925
Ion Ratio Lower Upper
98 100
100 62.7 51.8 77.8

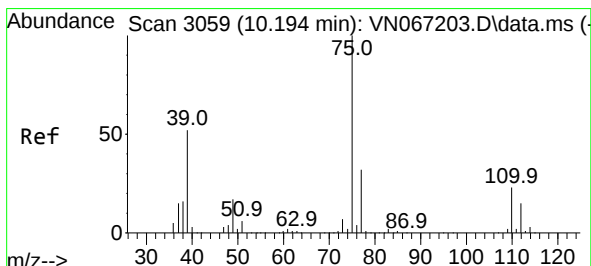
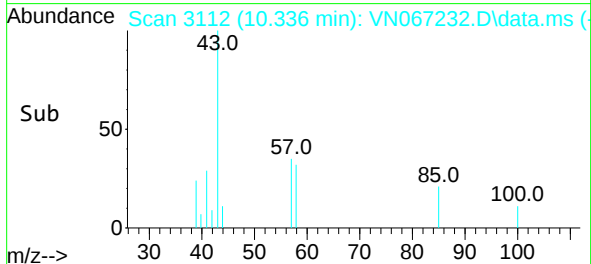
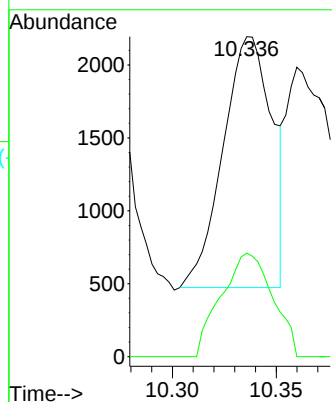
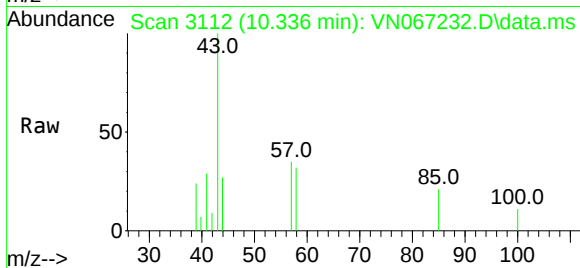




#51
4-Methyl-2-Pentanone
Concen: 0.744 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

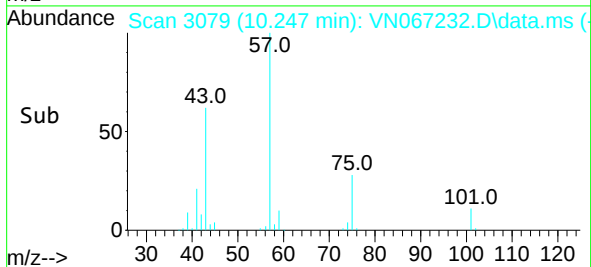
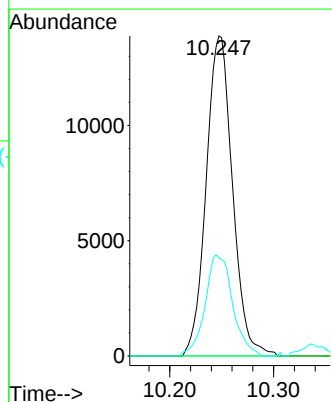
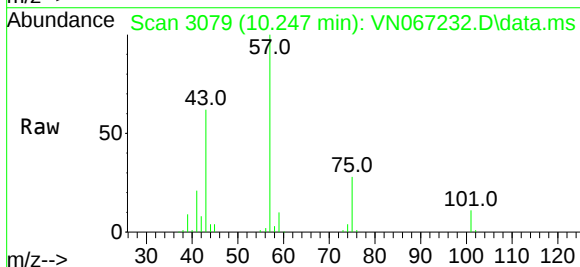
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

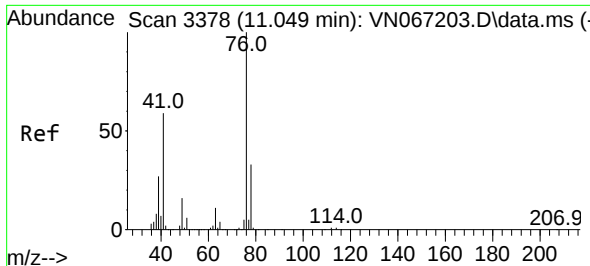
Tgt Ion: 43 Resp: 2822
Ion Ratio Lower Upper
43 100
58 43.4 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 5.230 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.054 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 75 Resp: 24458
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 30.7 30.9 46.3#

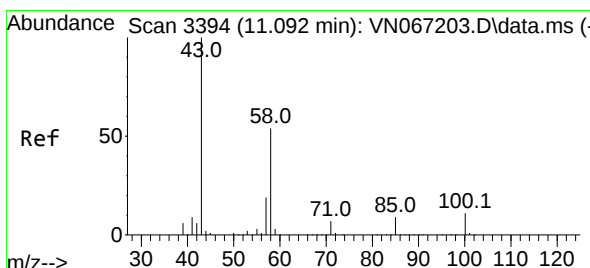
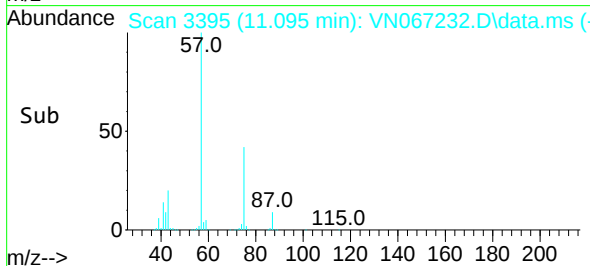
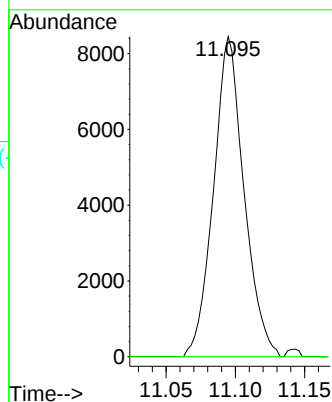
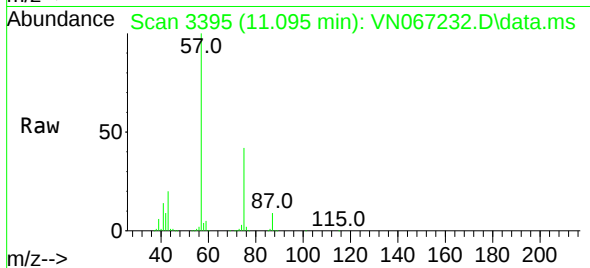




#57
1,3-Dichloropropane
Concen: 2.859 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.046 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

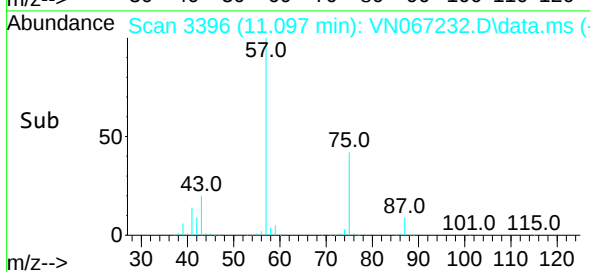
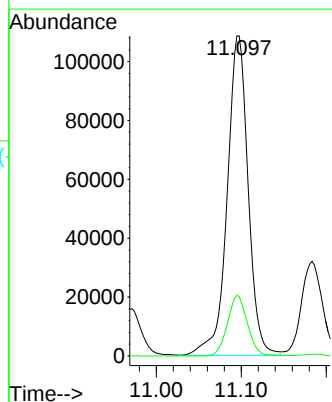
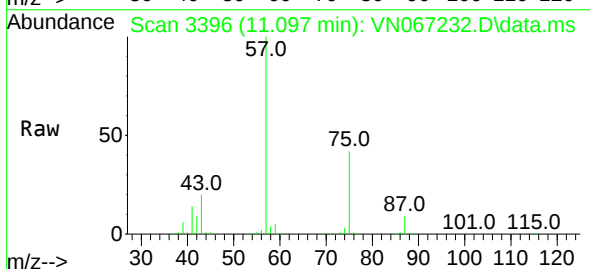
Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

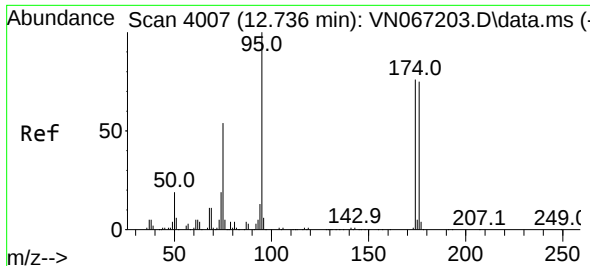
Tgt Ion: 76 Resp: 12925
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 67.837 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 43 Resp: 187020
Ion Ratio Lower Upper
43 100
58 18.0 29.8 89.5#

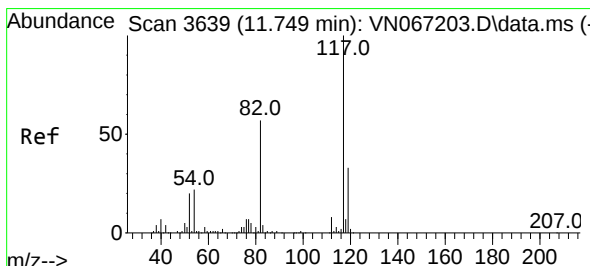
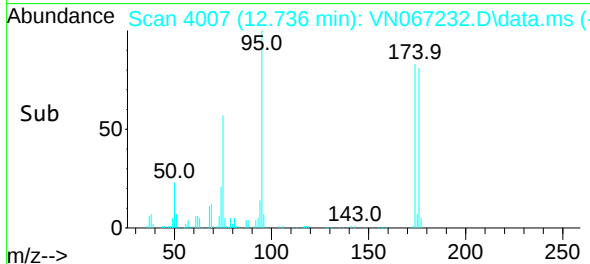
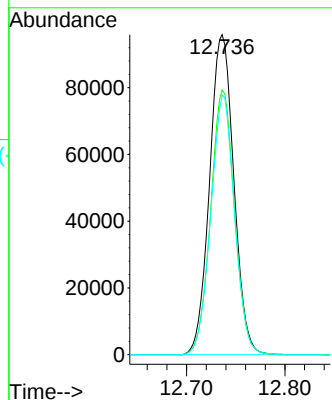
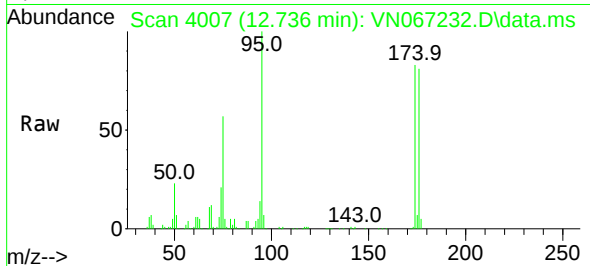




#62
4-Bromofluorobenzene
Concen: 44.206 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

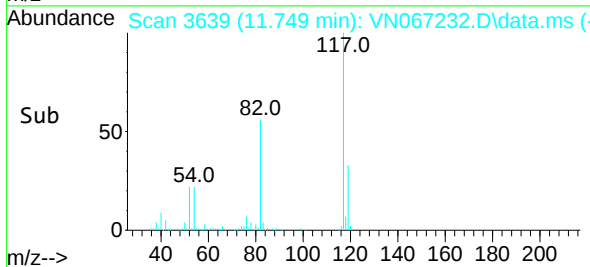
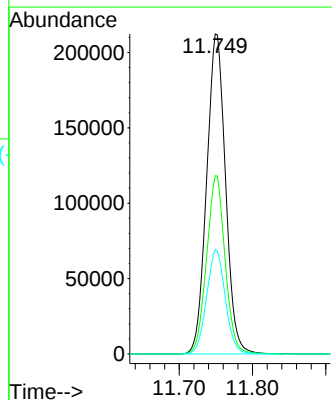
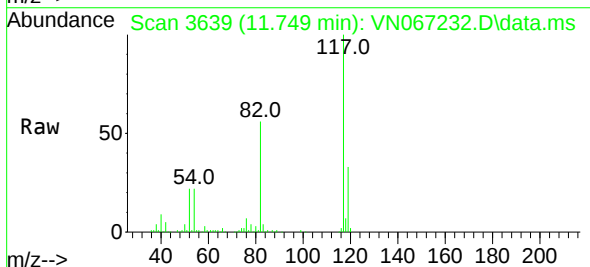
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

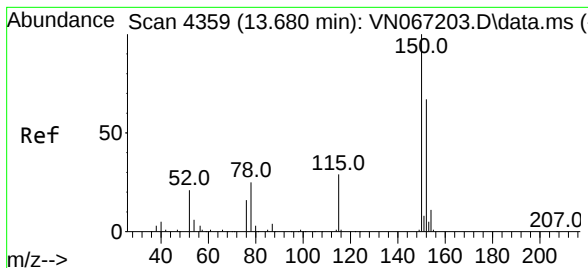
Tgt Ion: 95 Resp: 164360
Ion Ratio Lower Upper
95 100
174 81.7 0.0 182.8
176 79.4 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 117 Resp: 379827
Ion Ratio Lower Upper
117 100
82 55.7 42.2 63.2
119 32.6 25.8 38.6

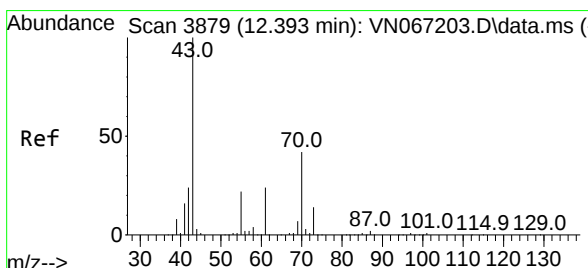
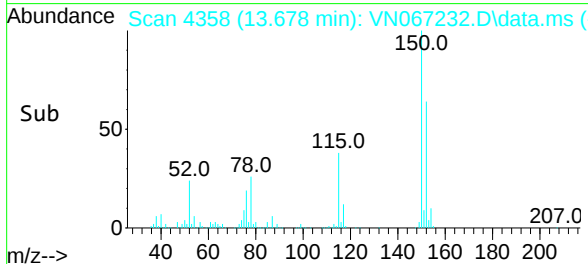
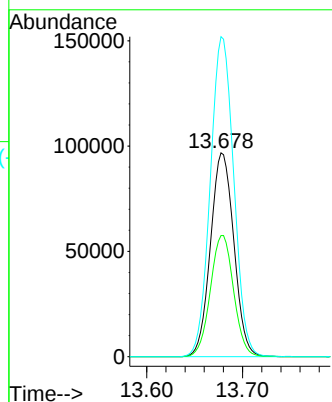
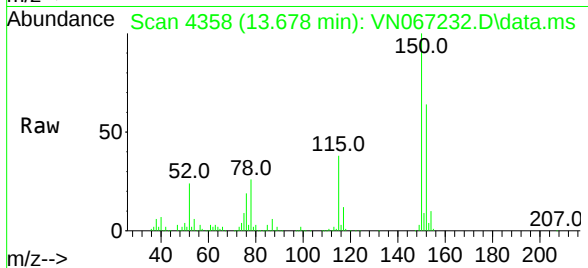




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

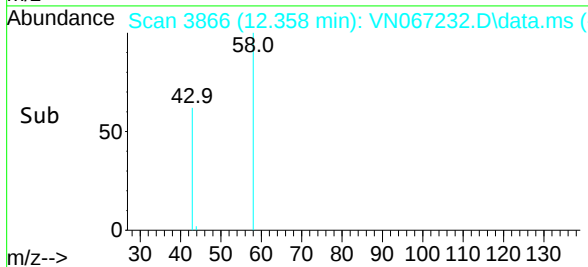
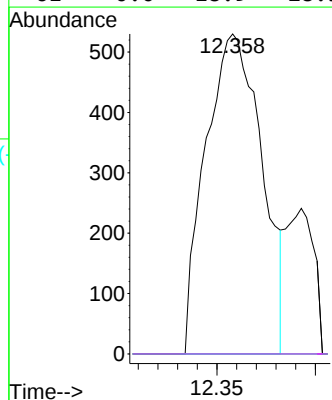
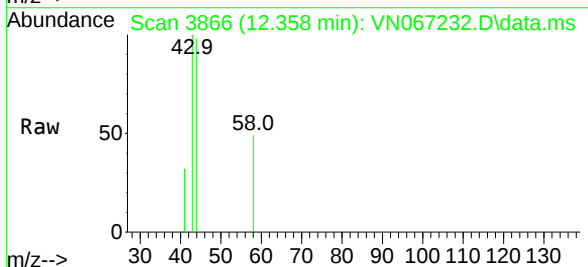
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

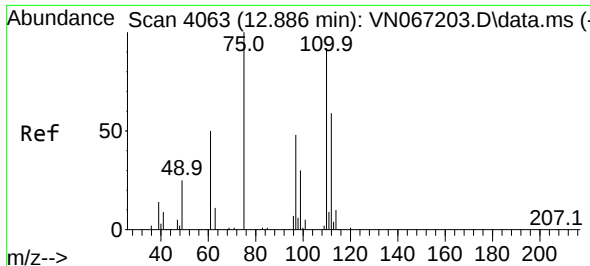
Tgt Ion:152 Resp: 164118
Ion Ratio Lower Upper
152 100
115 59.1 27.0 80.8
150 157.5 0.0 350.2



#74
N-ethyl acetate
Concen: 0.209 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.035 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
70 0.0 36.7 55.1#
55 0.0 17.6 26.4#
61 0.0 18.9 28.3#

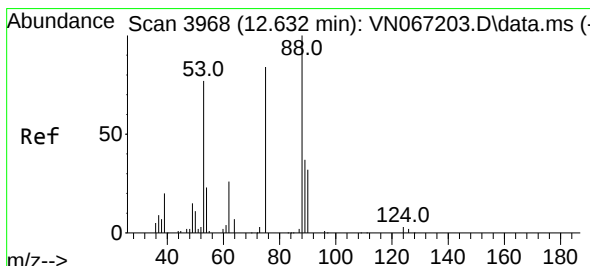
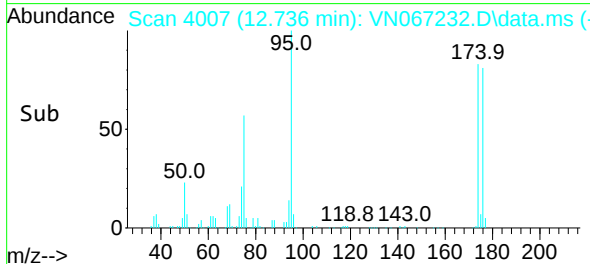
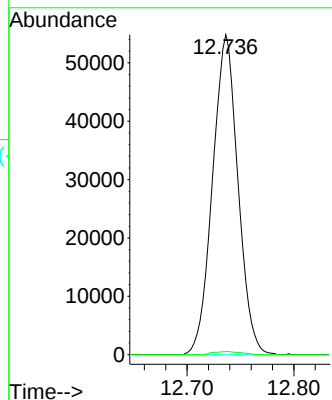
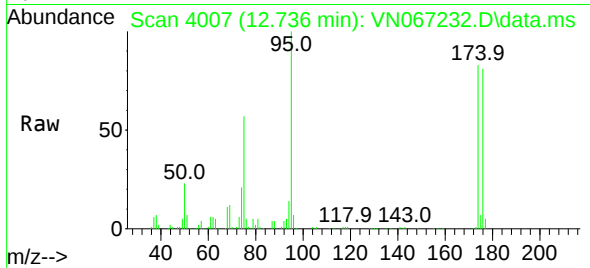




#76
1,2,3-Trichloropropane
Concen: 28.687 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

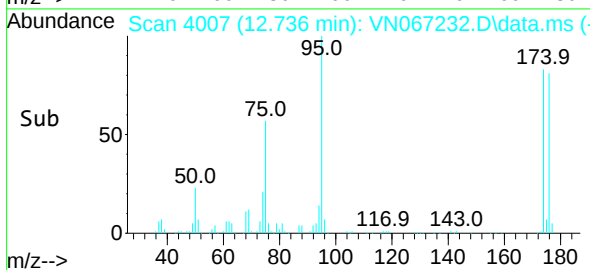
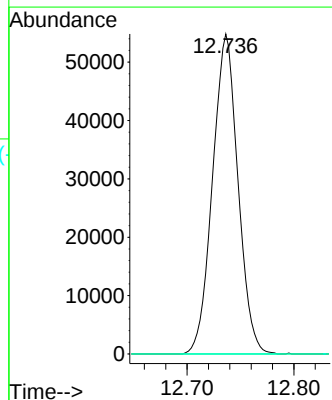
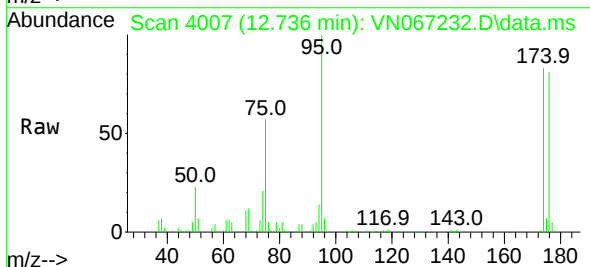
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

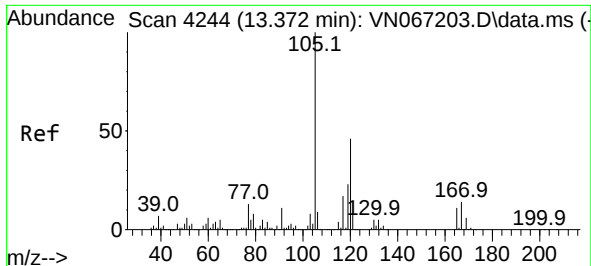
Tgt Ion: 75 Resp: 90539
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.189 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Tgt Ion: 75 Resp: 90539
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

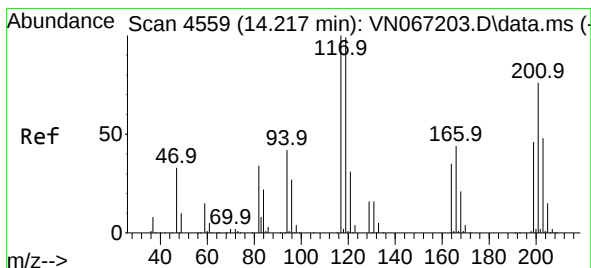
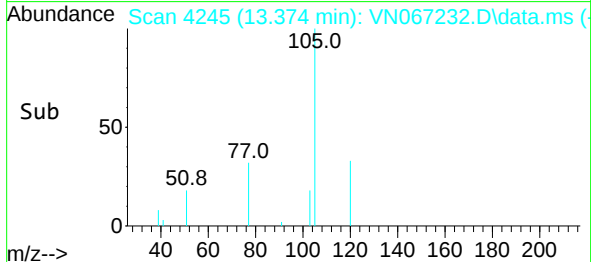
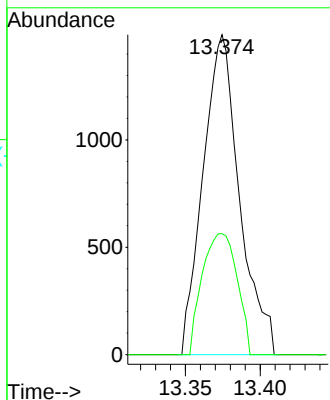
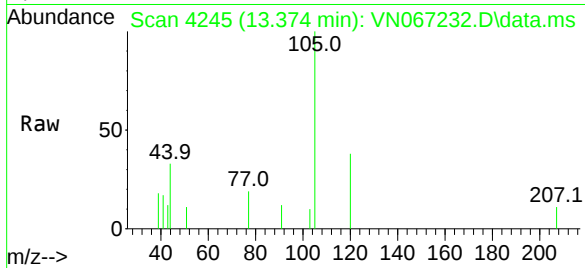




#84
1,2,4-Trimethylbenzene
Concen: 0.235 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.003 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

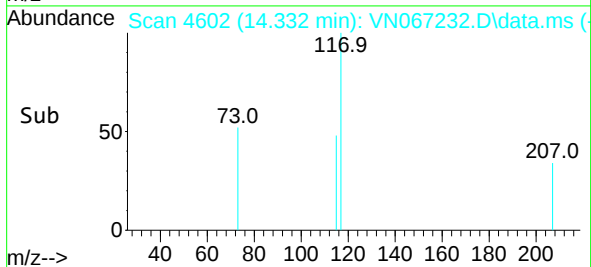
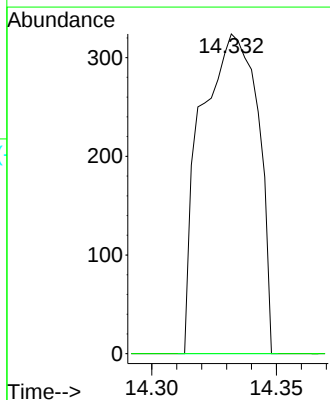
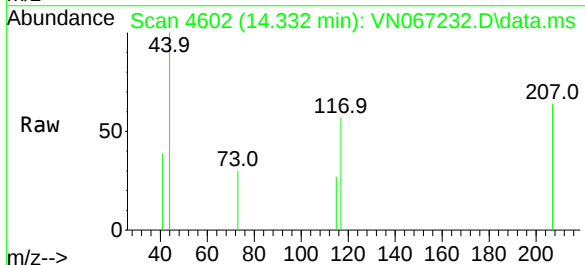
Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

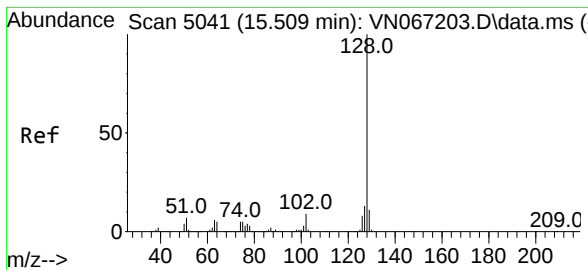
Tgt Ion:105 Resp: 2526
Ion Ratio Lower Upper
105 100
120 36.1 23.8 71.2



#90
Hexachloroethane
Concen: 0.262 ug/l
RT: 14.332 min Scan# 4602
Delta R.T. 0.115 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

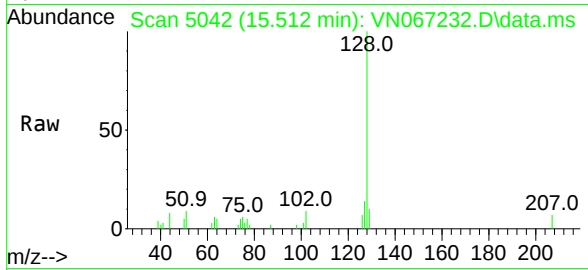
Tgt Ion:117 Resp: 513
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#





#95
Naphthalene
Concen: 6.601 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067232.D
Acq: 5 Jun 2021 16:02

Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)



Tgt Ion:128 Resp: 17424
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.8 8.6 13.0

