

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067217.D
 Acq On : 4 Jun 2021 23:57
 Operator : JC/MD
 Sample : M2589-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

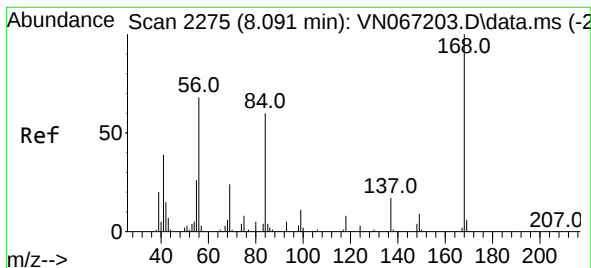
Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(2-4)

Quant Time: Jun 05 05:35:08 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	8.094	168	129206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	218719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	220538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.683	152	98800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	79445	45.107	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.220%		
35) Dibromofluoromethane	8.029	113	66655	49.159	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.320%		
50) Toluene-d8	10.448	98	285417	51.685	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.380%		
62) 4-Bromofluorobenzene	12.736	95	95389	44.850	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.700%		
Target Compounds					Qvalue	
13) Acrolein	4.049	56	160	Below Cal	#	1
16) Acetone	4.301	43	16346	26.897	ug/l	91
17) Carbon Disulfide	4.543	76	4665	1.296	ug/l	95
20) Methylene Chloride	5.103	84	7081	4.627	ug/l	92
25) 2-Butanone	7.353	43	3909	4.017	ug/l	89
29) Tetrahydrofuran	7.707	42	579	1.001	ug/l	# 46
31) Cyclohexane	8.091	56	3063	1.295	ug/l	# 41
36) 1,1-Dichloropropene	8.091	75	9823	4.863	ug/l	# 49
37) Ethyl Acetate	7.353	43	3909	2.008	ug/l	# 65
38) Carbon Tetrachloride	8.096	117	12556	5.692	ug/l	# 14
40) Benzene	8.469	78	1743	0.278	ug/l	99
41) Methacrylonitrile	7.630	41	226	0.224	ug/l	# 12
43) Isopropyl Acetate	8.568	43	16573	4.476	ug/l	# 83
45) 1,2-Dichloropropane	9.628	63	715	0.458	ug/l	# 45
48) Methyl methacrylate	9.553	41	3469	2.162	ug/l	# 26
51) 4-Methyl-2-Pentanone	10.336	43	3769	1.737	ug/l	94
52) Toluene	10.513	92	1401	0.339	ug/l	# 68
54) cis-1,3-Dichloropropene	10.247	75	26871	10.045	ug/l	# 70
57) 1,3-Dichloropropane	11.097	76	13993	5.410	ug/l	# 42
59) 2-Hexanone	11.097	43	211328	134.006	ug/l	# 44
68) m/p-Xylenes	11.961	106	1371	0.404	ug/l	74
69) o-Xylene	12.291	106	1153	0.348	ug/l	72
74) N-amyl acetate	12.361	43	1631	0.538	ug/l	# 49
76) 1,2,3-Trichloropropane	12.736	75	53683	28.254	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	1443	0.222	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.736	75	53683	69.130	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.377	105	2590	0.400	ug/l	87
90) Hexachloroethane	14.337	117	580	0.493	ug/l	# 4
95) Naphthalene	15.512	128	21053	8.793	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. 0.003 min

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MSVOA_N

ClientSampleId :

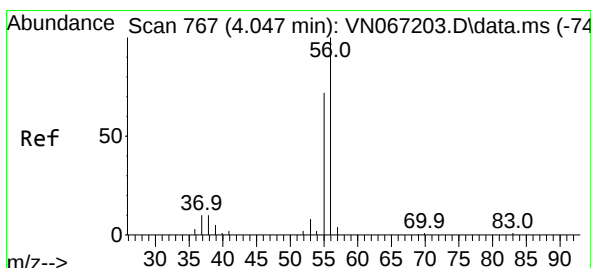
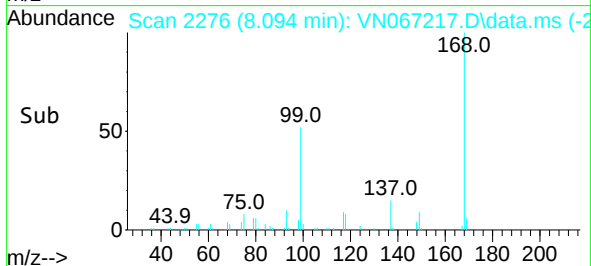
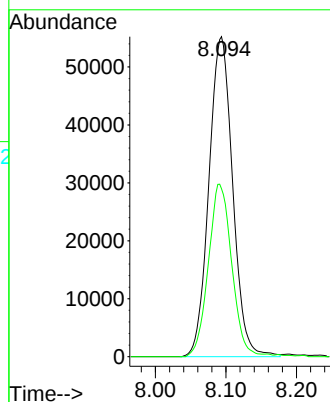
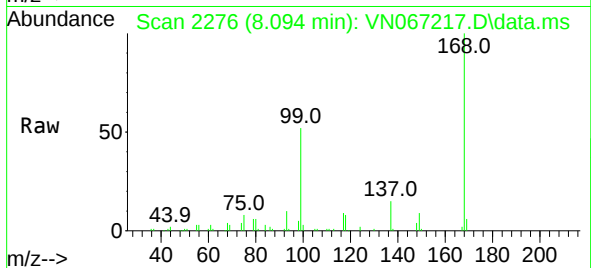
18-B11(2-4)

Tgt Ion:168 Resp: 129206

Ion Ratio Lower Upper

168 100

99 52.5 38.5 57.7



#13

Acrolein

Concen: Below Cal

RT: 4.049 min Scan# 768

Delta R.T. 0.002 min

Lab File: VN067217.D

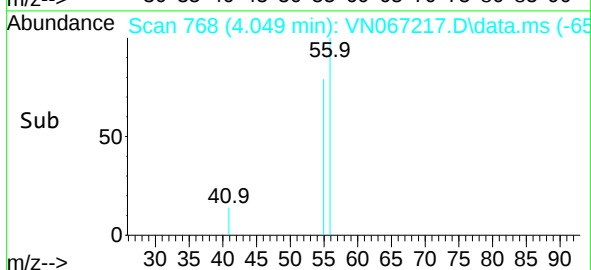
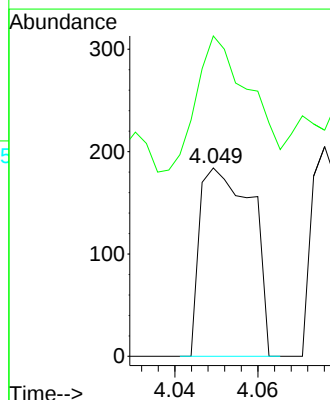
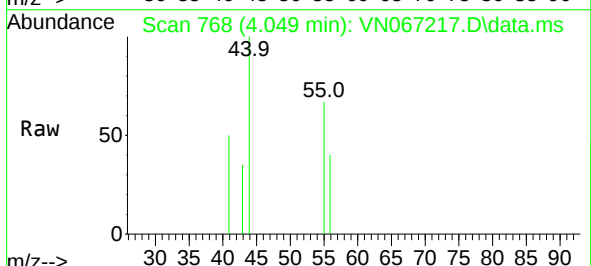
Acq: 4 Jun 2021 23:57

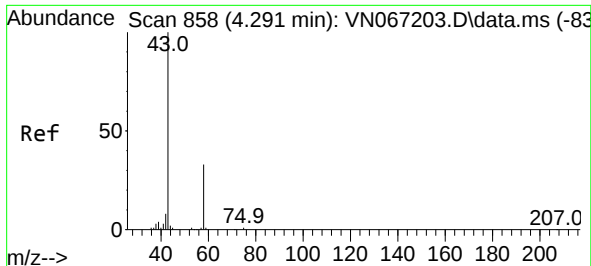
Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 206.9 53.8 80.6#

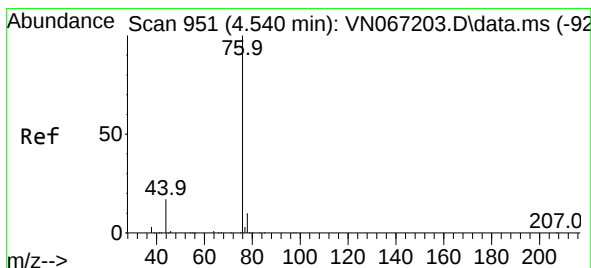
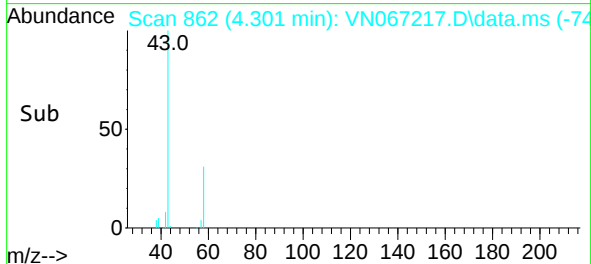
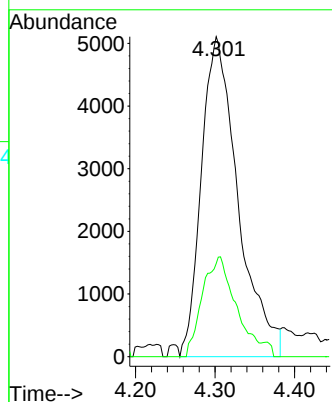
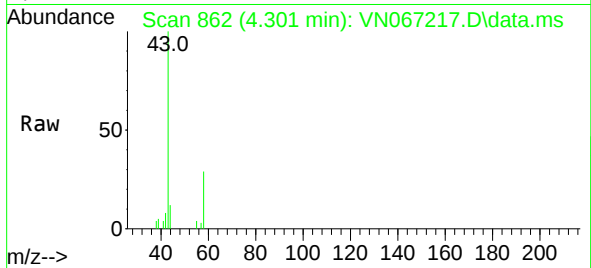




#16
Acetone
Concen: 26.897 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

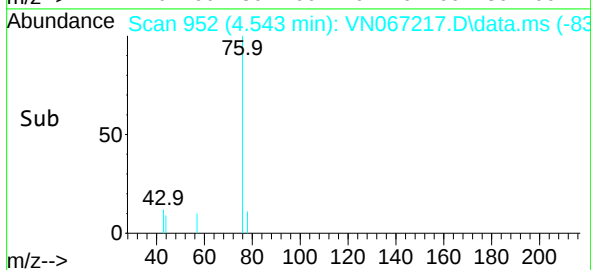
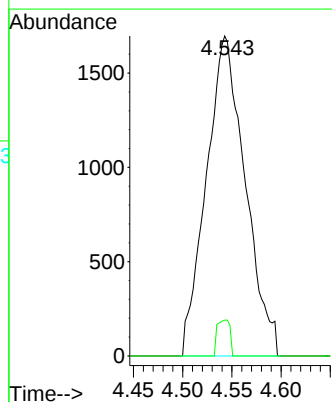
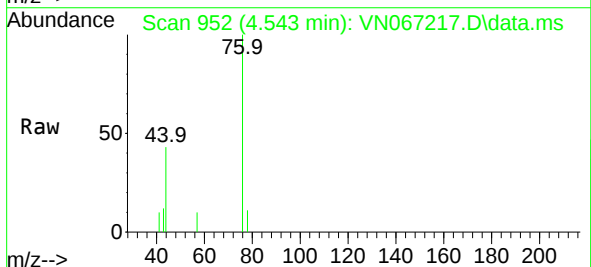
Instrument :
MSVOA_N
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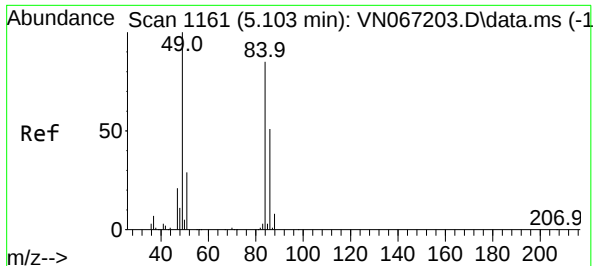
Tgt Ion: 43 Resp: 16346
Ion Ratio Lower Upper
43 100
58 29.1 27.2 40.8



#17
Carbon Disulfide
Concen: 1.296 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

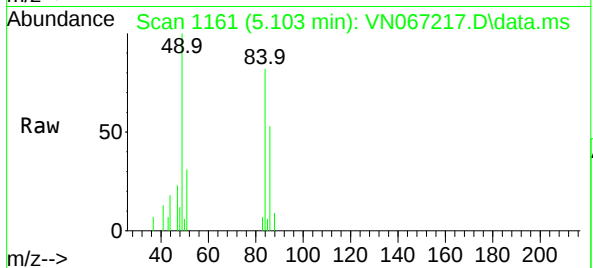
Tgt Ion: 76 Resp: 4665
Ion Ratio Lower Upper
76 100
78 11.2 7.5 11.3



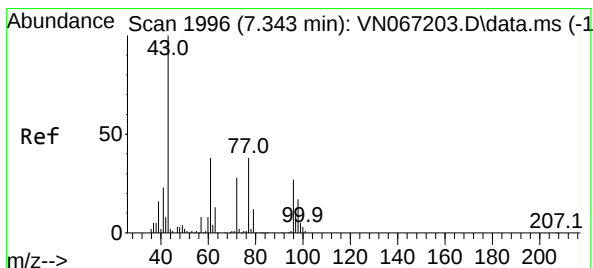
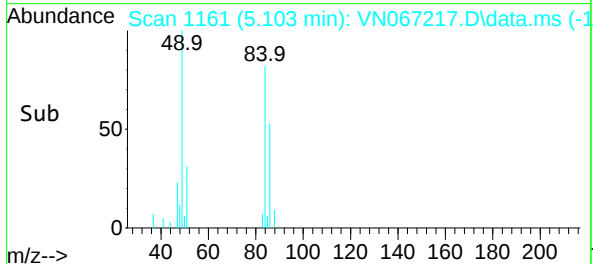
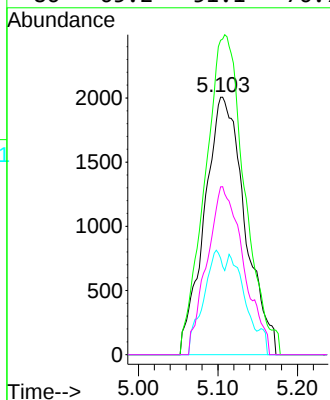


#20
Methylene Chloride
Concen: 4.627 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

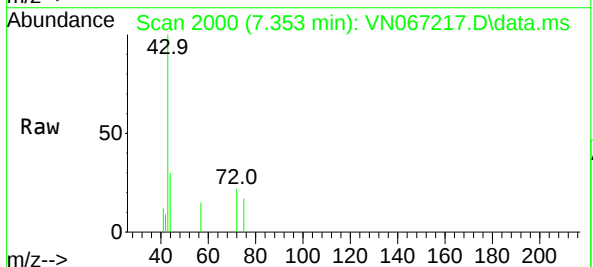
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)



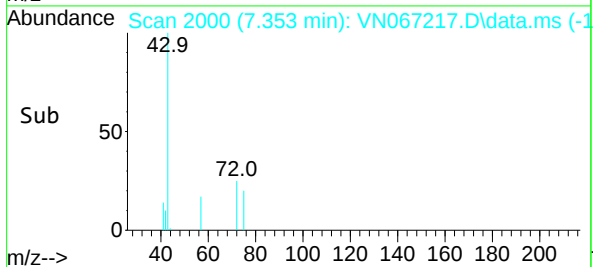
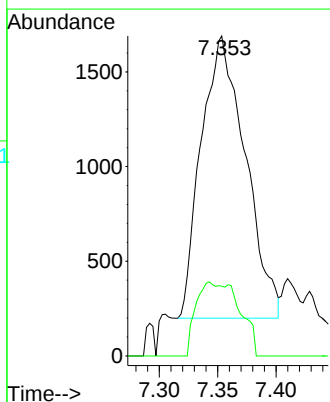
Tgt Ion:	84	Resp:	7081
Ion	Ratio	Lower	Upper
84	100		
49	122.1	88.3	132.5
51	37.5	26.7	40.1
86	65.2	51.1	76.7

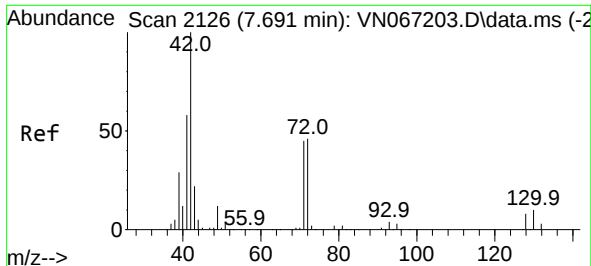


#25
2-Butanone
Concen: 4.017 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.010 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57



Tgt Ion:	43	Resp:	3909
Ion	Ratio	Lower	Upper
43	100		
72	24.7	24.4	36.6





#29

Tetrahydrofuran

Concen: 1.001 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.016 min

Lab File: VN067217.D

Acq: 4 Jun 2021 23:57

Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

72 14.9 40.1 60.1#

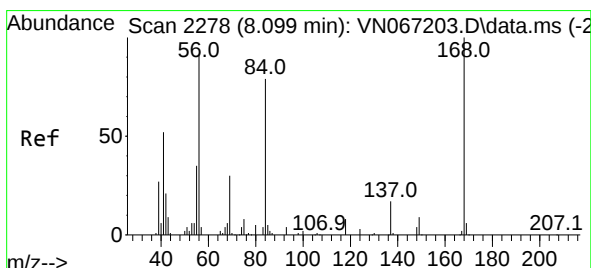
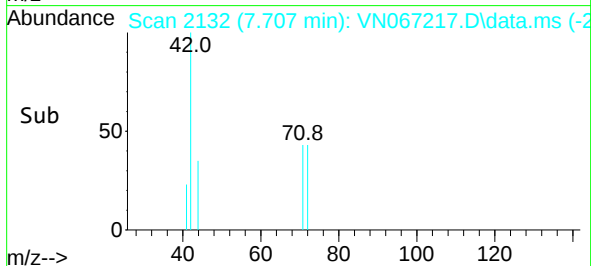
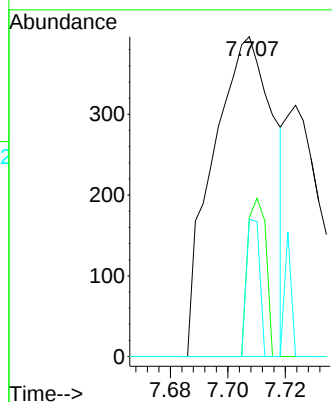
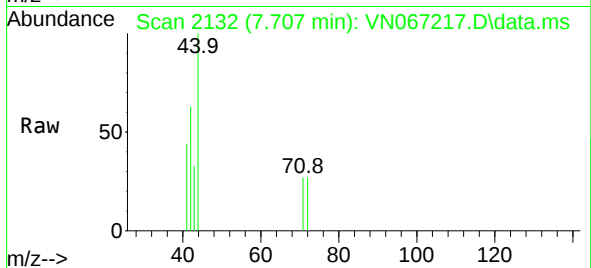
71 9.3 37.9 56.9#

Instrument :

MSVOA_N

ClientSampled :

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#31

Cyclohexane

Concen: 1.295 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.008 min

Lab File: VN067217.D

Acq: 4 Jun 2021 23:57

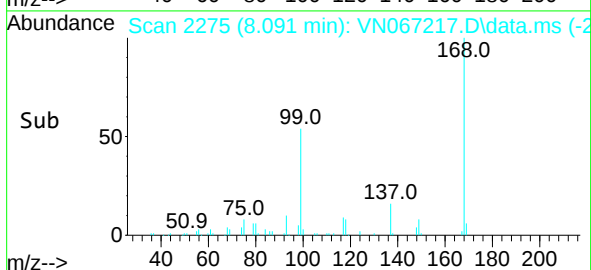
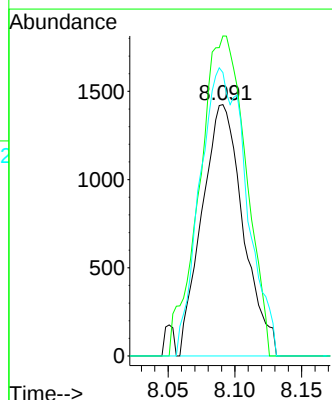
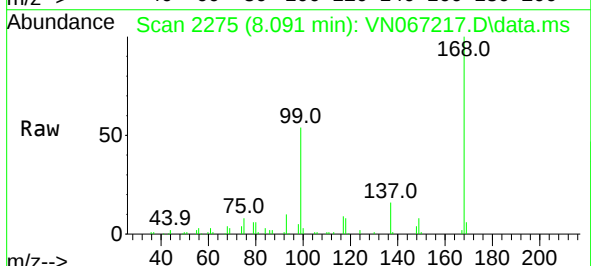
Tgt Ion: 56 Resp: 3063

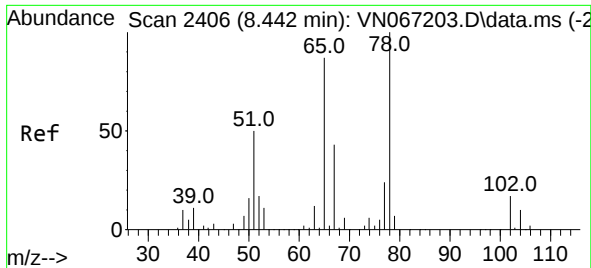
Ion Ratio Lower Upper

56 100

69 127.3 28.0 42.0#

84 112.7 74.2 111.2#

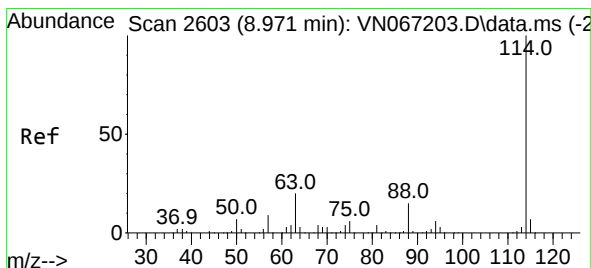
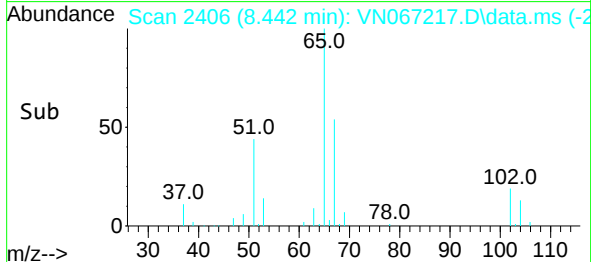
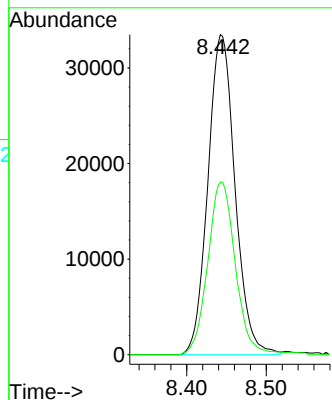
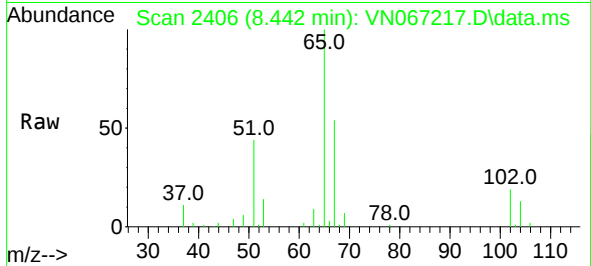




#33
 1,2-Dichloroethane-d4
 Concen: 45.107 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.000 min
 Lab File: VN067217.D
 Acq: 4 Jun 2021 23:57

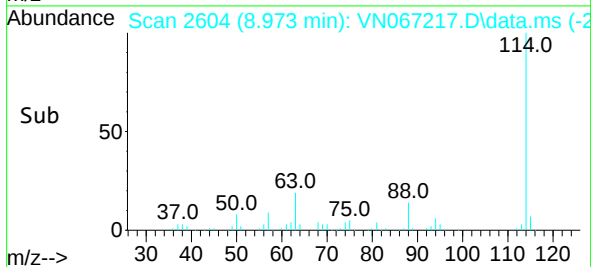
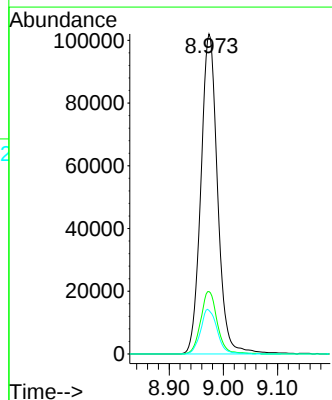
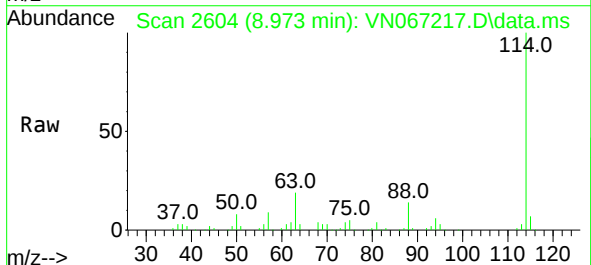
Instrument :
 MSVOA_N
 ClientSampled :
 18-B11(2-4)

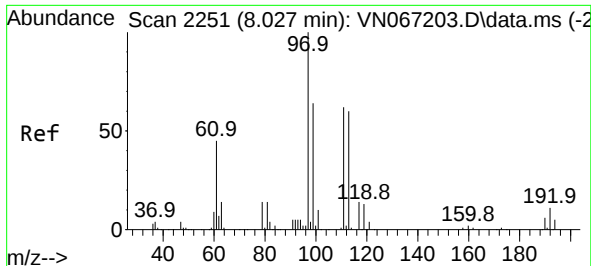
Tgt Ion: 65 Resp: 79445
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067217.D
 Acq: 4 Jun 2021 23:57

Tgt Ion: 114 Resp: 218719
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.8
 88 13.6 0.0 30.4

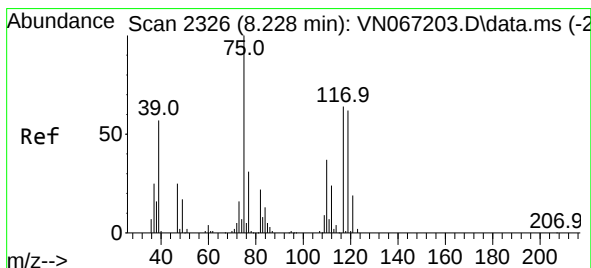
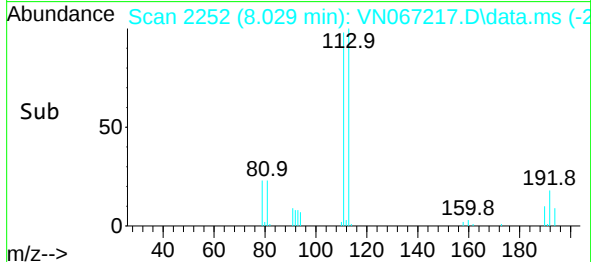
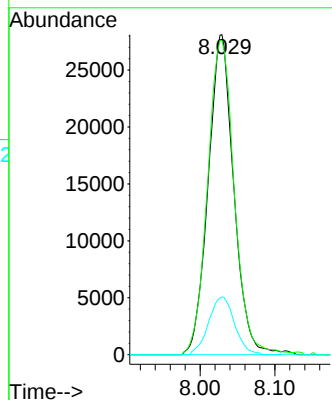
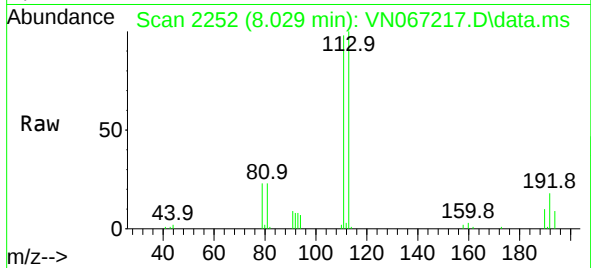




#35
Dibromofluoromethane
Concen: 49.159 ug/l
RT: 8.029 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

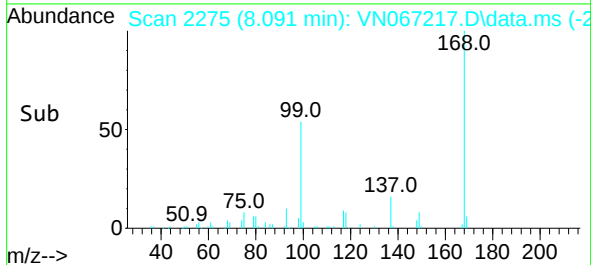
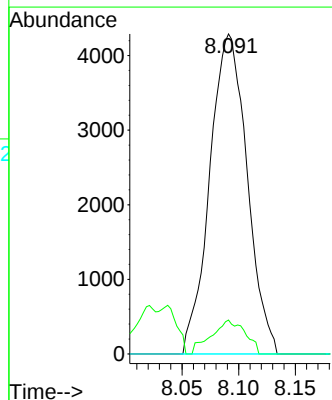
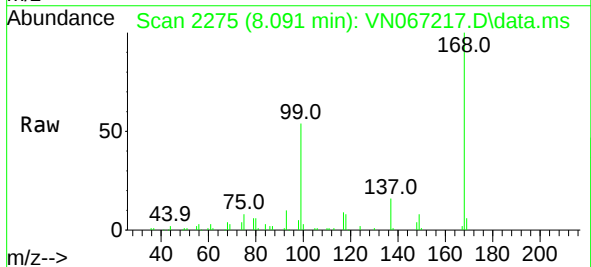
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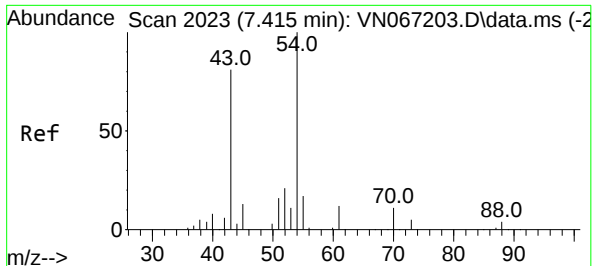
Tgt Ion:113 Resp: 66655
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.3 18.2 27.4



#36
1,1-Dichloropropene
Concen: 4.863 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.137 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 75 Resp: 9823
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 2.008 ug/l

RT: 7.353 min Scan# 2000

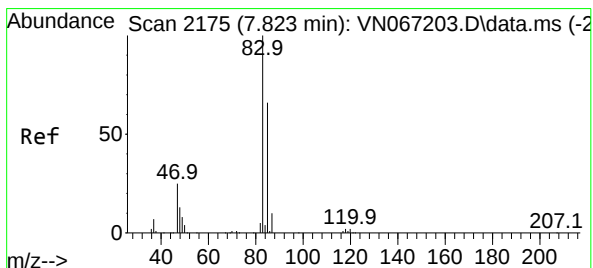
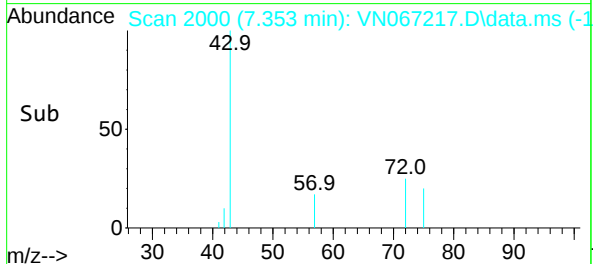
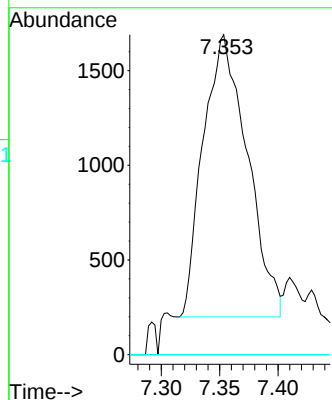
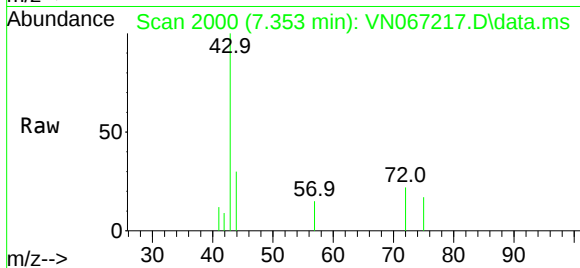
Delta R.T. -0.062 min

Lab File: VN067217.D

Acq: 4 Jun 2021 23:57

Tgt Ion: 43	Resp: 3909
Ion Ratio	Lower Upper
43	100
61	0.0 13.0 19.4#
70	0.0 9.2 13.8#

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



#38

Carbon Tetrachloride

Concen: 5.692 ug/l

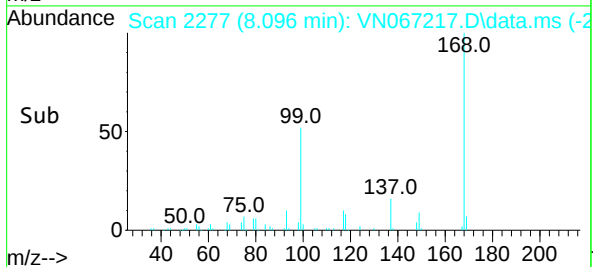
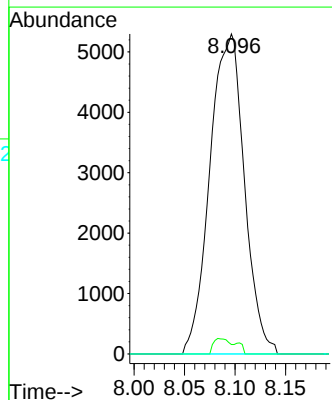
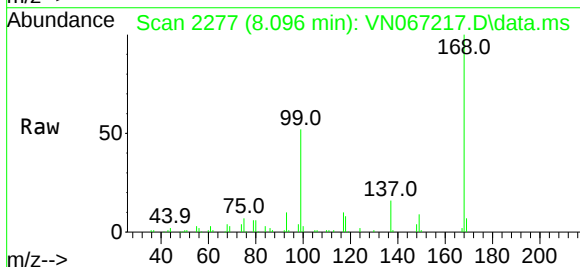
RT: 8.096 min Scan# 2277

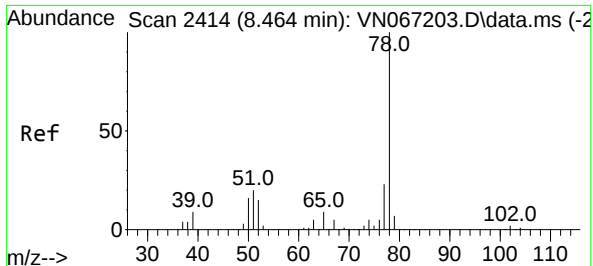
Delta R.T. -0.115 min

Lab File: VN067217.D

Acq: 4 Jun 2021 23:57

Tgt Ion: 117	Resp: 12556
Ion Ratio	Lower Upper
117	100
119	2.9 78.2 117.2#
121	0.0 24.7 37.1#

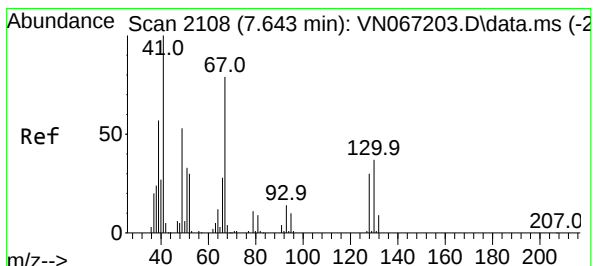
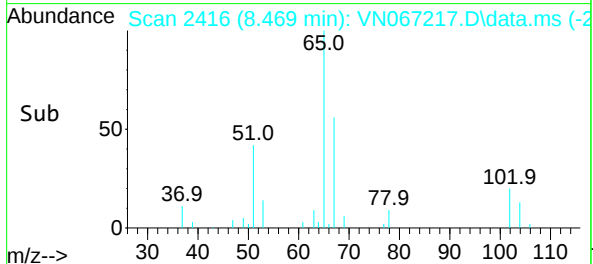
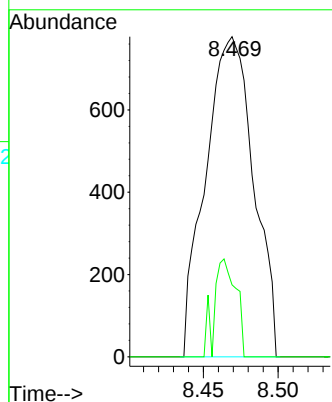
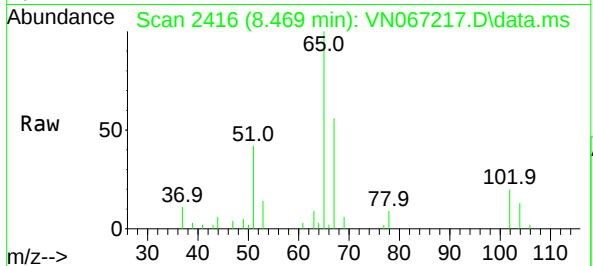




#40
Benzene
Concen: 0.278 ug/l
RT: 8.469 min Scan# 2416
Delta R.T. 0.005 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

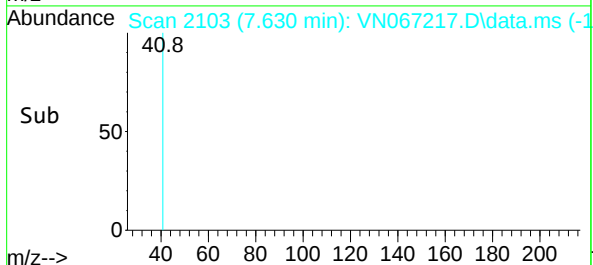
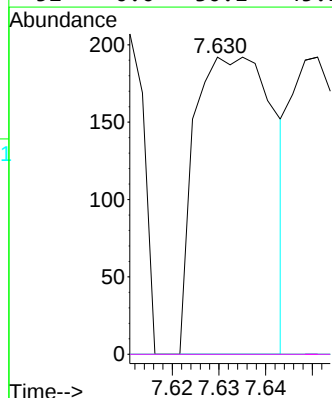
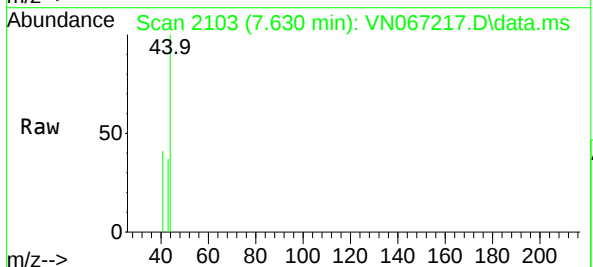
Instrument :
MSVOA_N
ClientSampleId :
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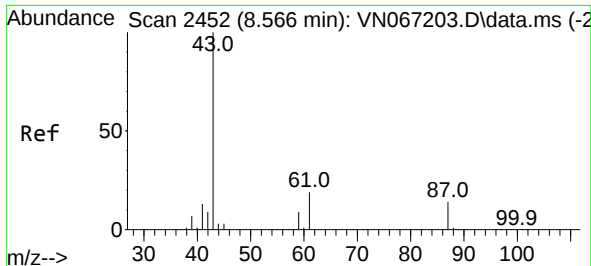
Tgt Ion: 78 Resp: 1743
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6



#41
Methacrylonitrile
Concen: 0.224 ug/l
RT: 7.630 min Scan# 2103
Delta R.T. -0.013 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 41 Resp: 226
Ion Ratio Lower Upper
41 100
39 0.0 45.3 67.9#
67 0.0 85.1 127.7#
52 0.0 30.1 45.1#

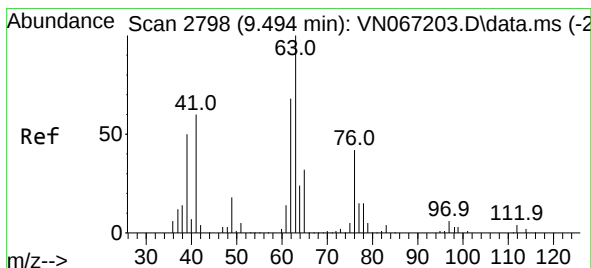
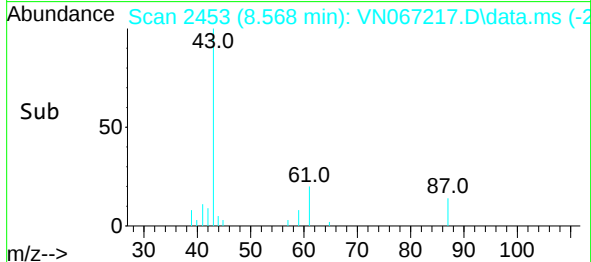
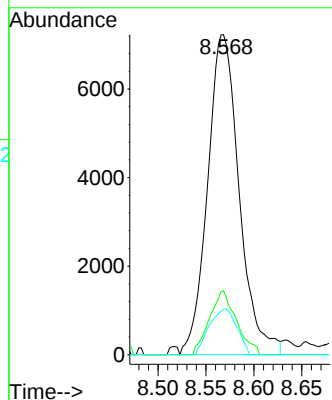
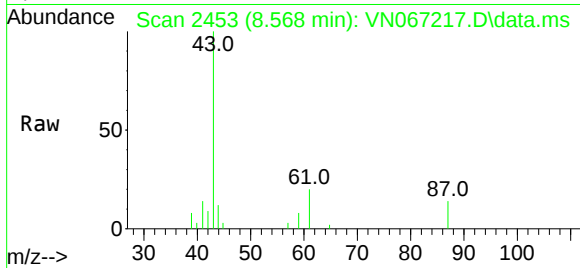




#43
Isopropyl Acetate
Concen: 4.476 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

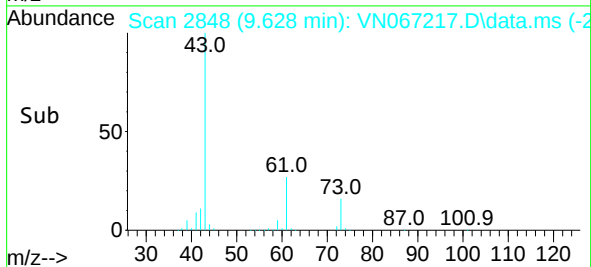
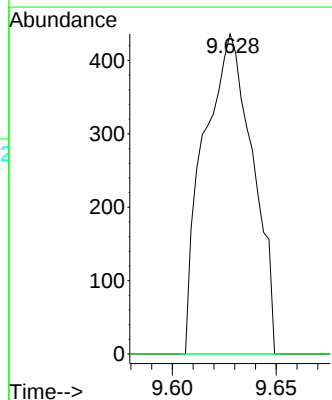
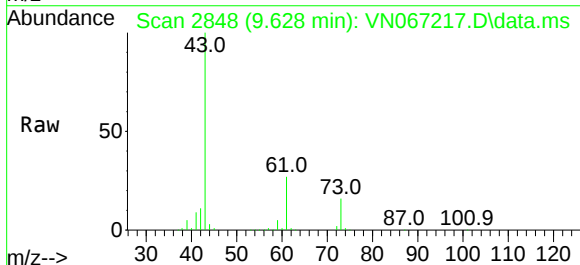
Instrument :
MSVOA_N
ClientSampleId :
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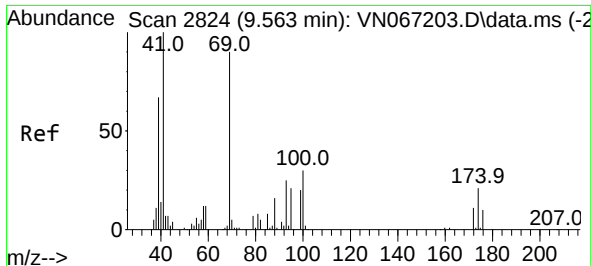
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.1	23.4	35.0#
87	12.4	12.2	18.2



#45
1,2-Dichloropropane
Concen: 0.458 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.134 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

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

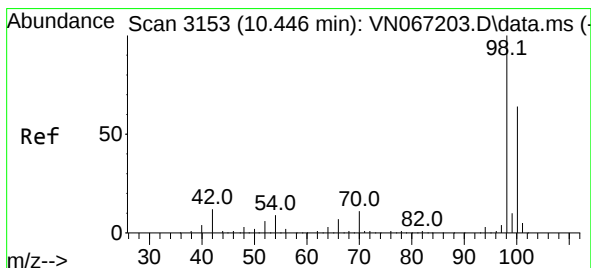
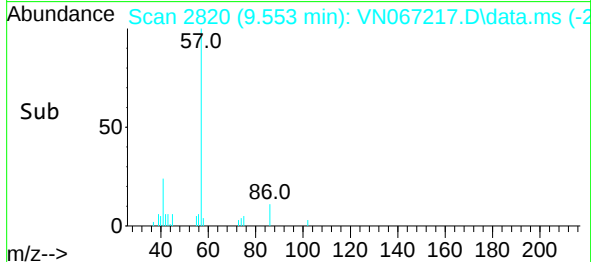
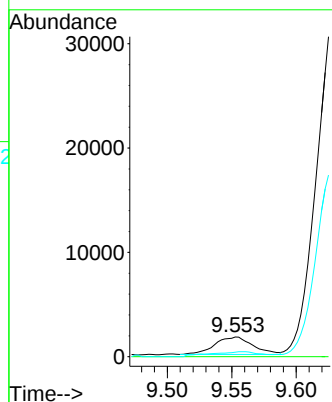
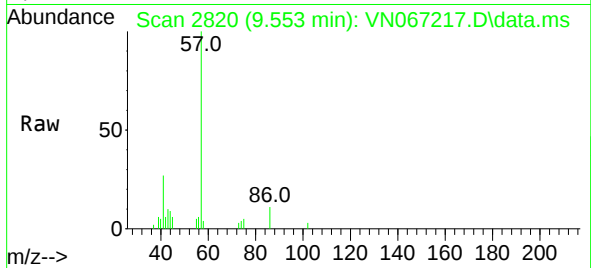




#48
Methyl methacrylate
Concen: 2.162 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.011 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

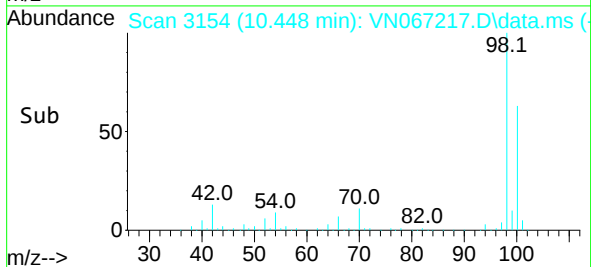
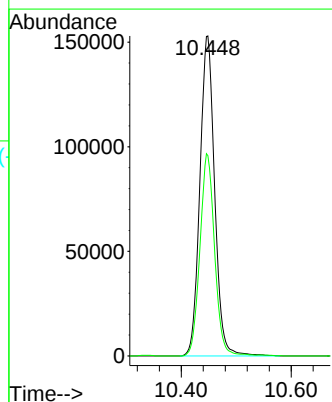
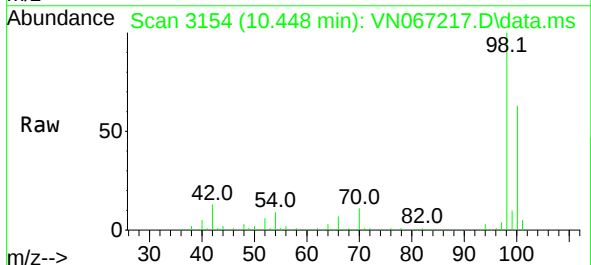
Instrument :
MSVOA_N
ClientSampleId :
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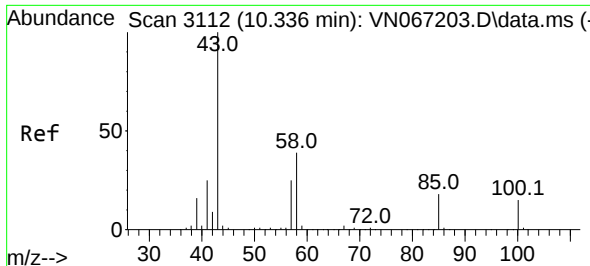
Tgt Ion: 41 Resp: 3469
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 35.9 41.4 62.0#



#50
Toluene-d8
Concen: 51.685 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 98 Resp: 285417
Ion Ratio Lower Upper
98 100
100 62.8 51.8 77.8

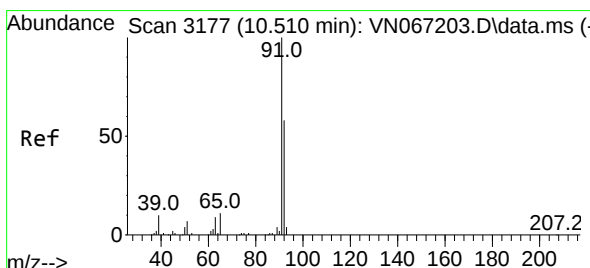
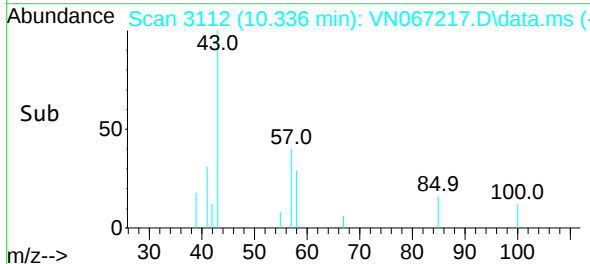
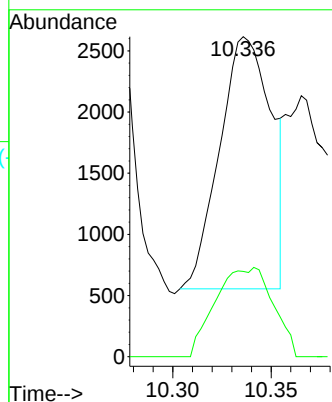
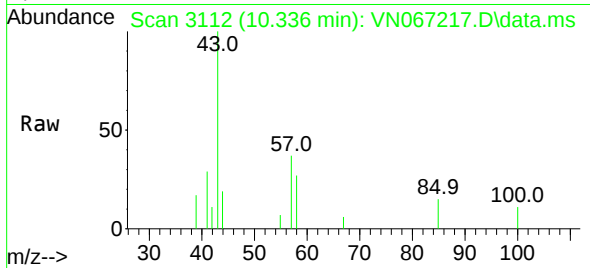




#51
4-Methyl-2-Pentanone
Concen: 1.737 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

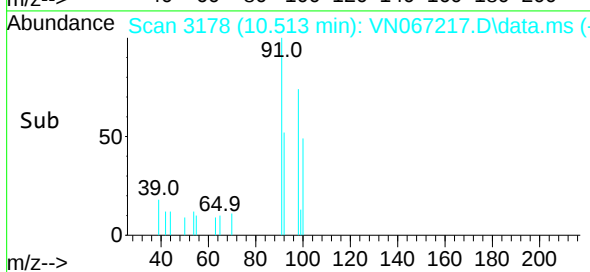
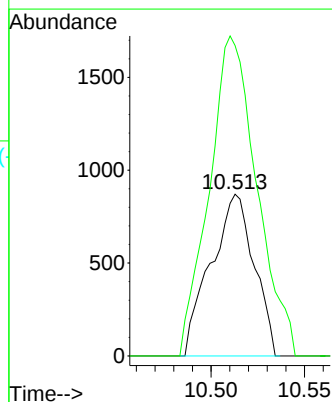
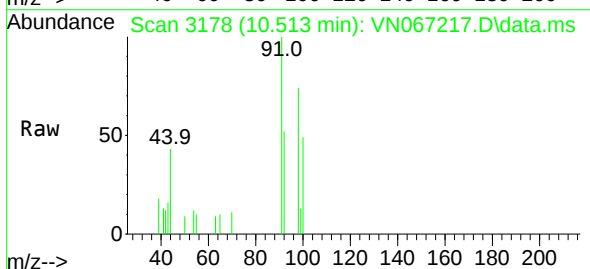
Instrument :
MSVOA_N
ClientSampleId :
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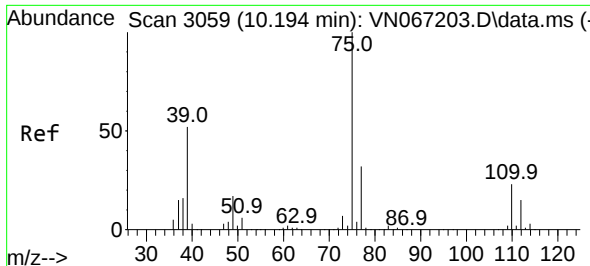
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
58 39.4 34.5 51.7



#52
Toluene
Concen: 0.339 ug/l
RT: 10.513 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 92 Resp: 1401
Ion Ratio Lower Upper
92 100
91 217.6 138.7 208.1#

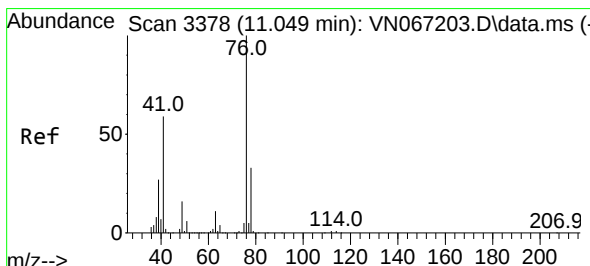
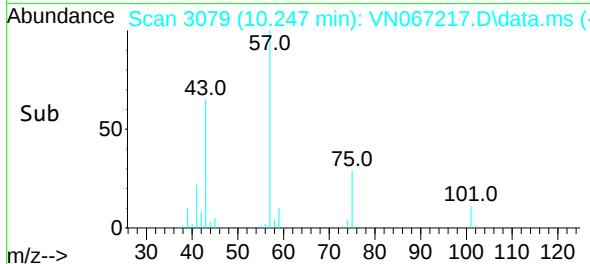
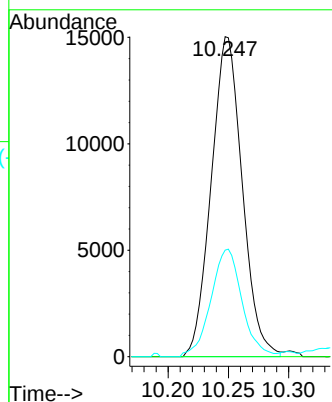
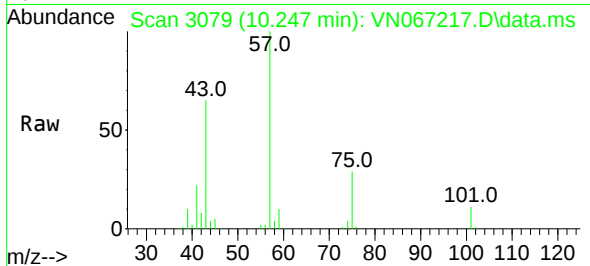




#54
cis-1,3-Dichloropropene
Concen: 10.045 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.054 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

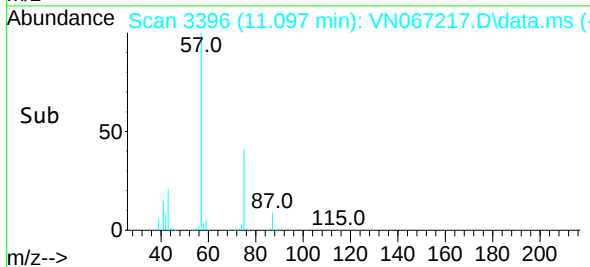
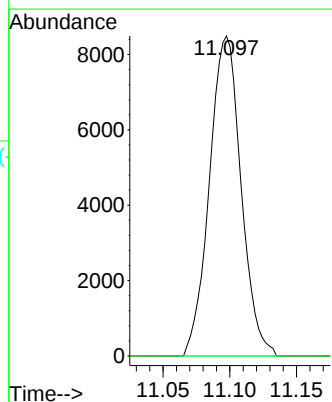
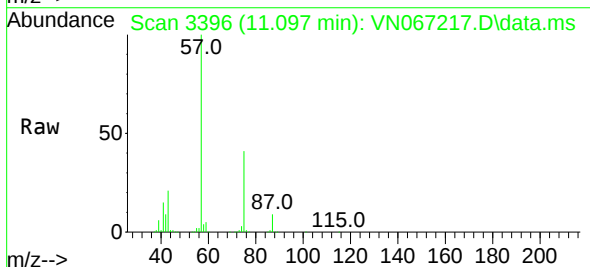
Instrument :
MSVOA_N
ClientSampleId :
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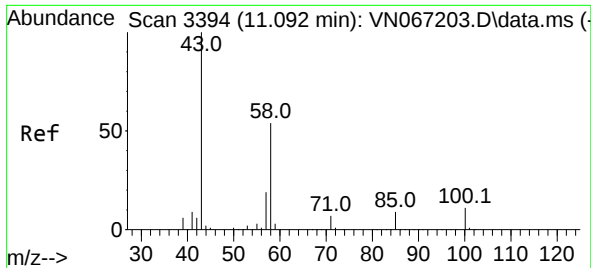
Tgt Ion: 75 Resp: 26871
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 33.3 30.9 46.3



#57
1,3-Dichloropropane
Concen: 5.410 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.048 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 76 Resp: 13993
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

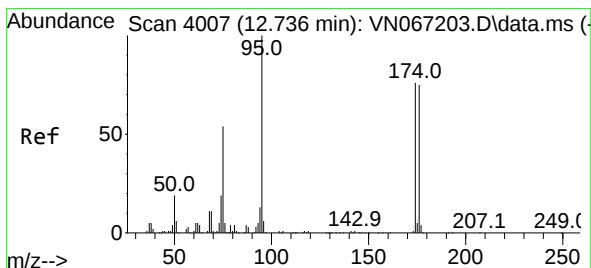
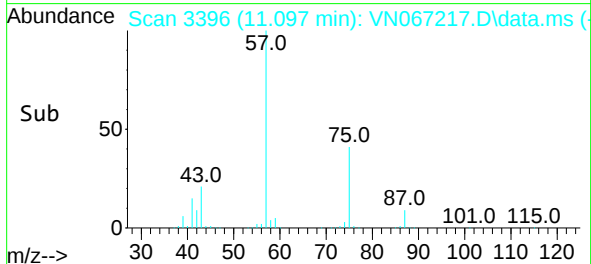
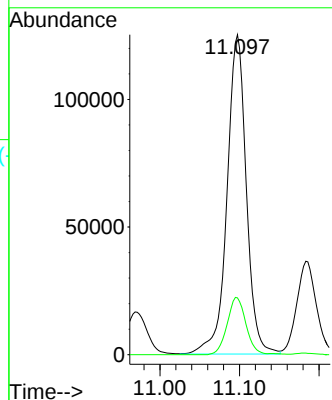
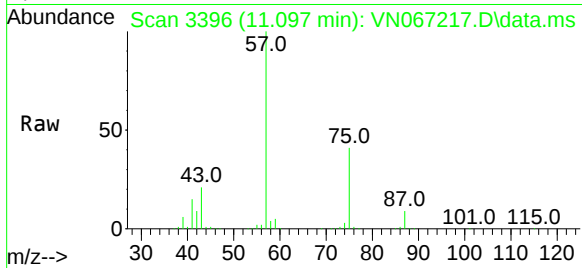




#59
2-Hexanone
Concen: 134.006 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

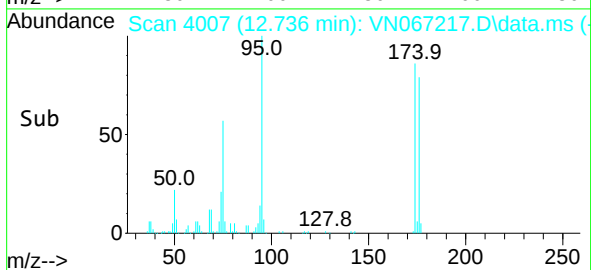
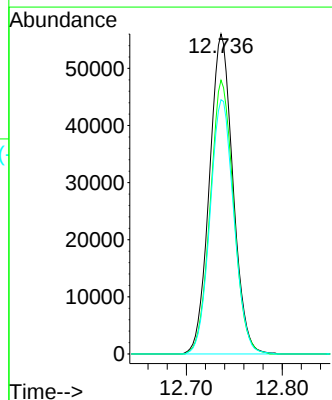
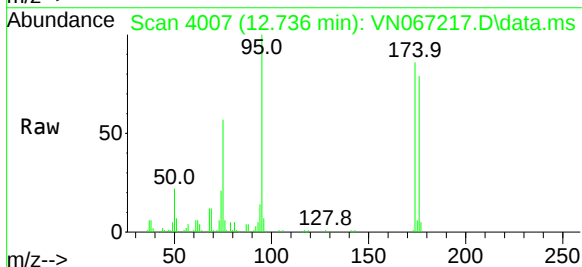
Instrument :
MSVOA_N
ClientSampled :
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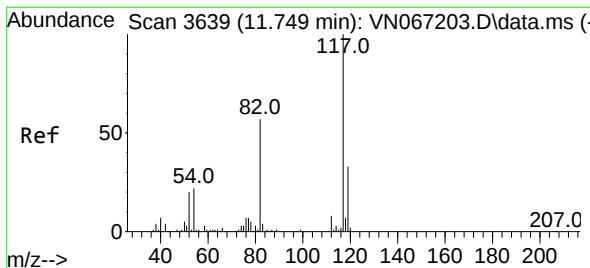
Tgt Ion: 43 Resp: 211328
Ion Ratio Lower Upper
43 100
58 17.4 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 44.850 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 95 Resp: 95389
Ion Ratio Lower Upper
95 100
174 85.0 0.0 182.8
176 80.5 0.0 176.6

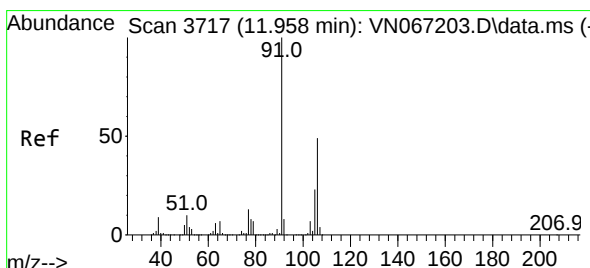
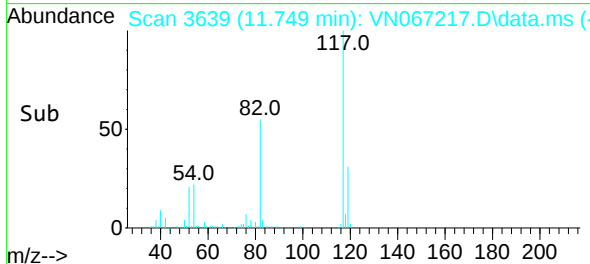
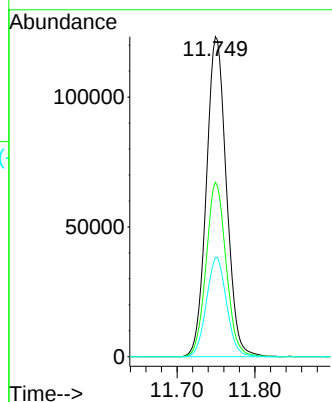
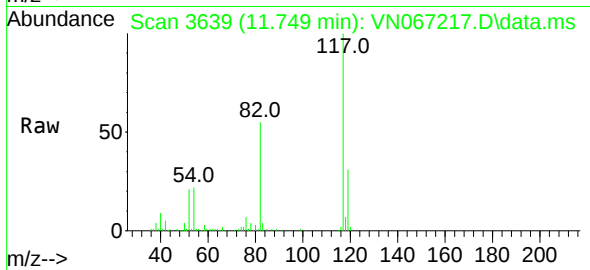




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

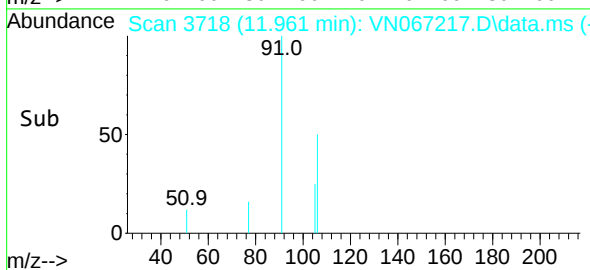
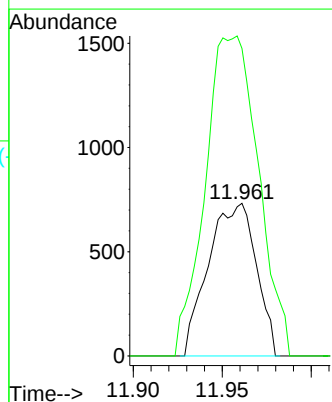
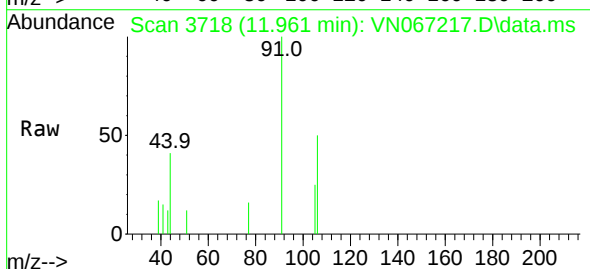
Instrument :
MSVOA_N
ClientSampleId :
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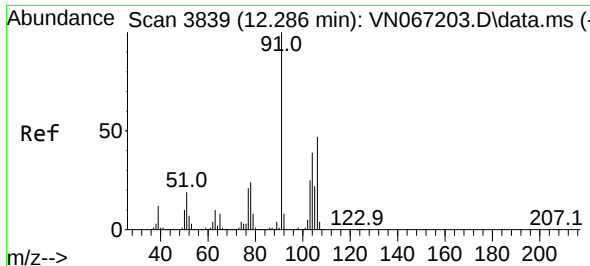
Tgt Ion:117 Resp: 220538
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.2
119 31.0 25.8 38.6



#68
m/p-Xylenes
Concen: 0.404 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion:106 Resp: 1371
Ion Ratio Lower Upper
106 100
91 232.2 155.2 232.8

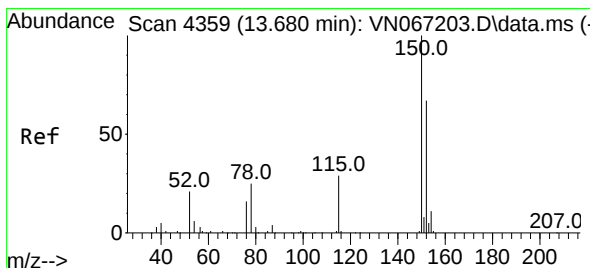
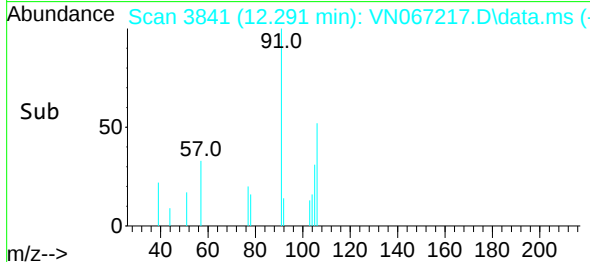
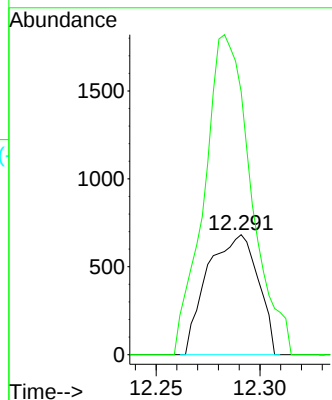
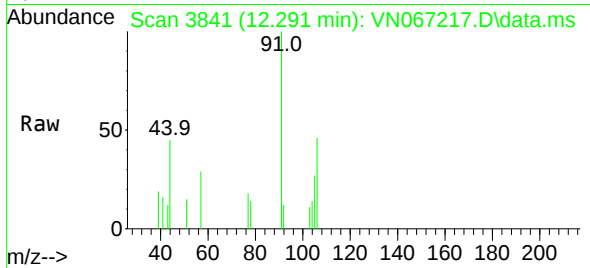




#69
o-Xylene
Concen: 0.348 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. 0.005 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

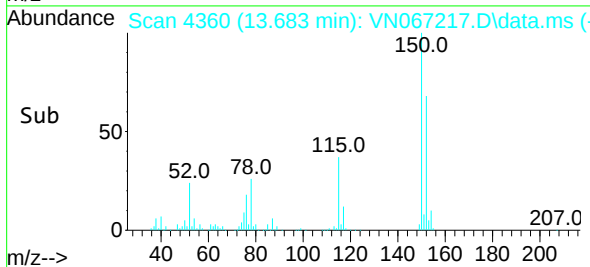
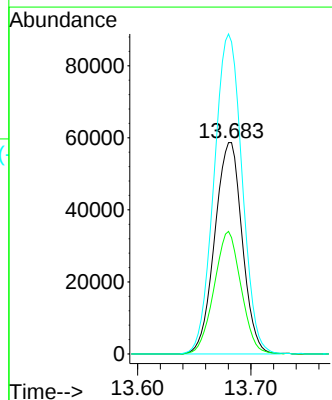
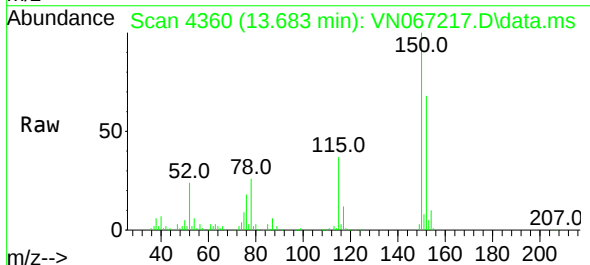
Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

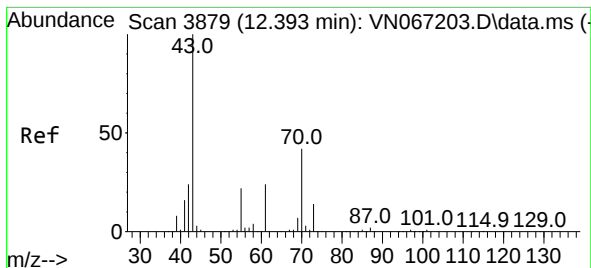
Tgt Ion:106 Resp: 1153
Ion Ratio Lower Upper
106 100
91 248.0 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.683 min Scan# 4360
Delta R.T. 0.003 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion:152 Resp: 98800
Ion Ratio Lower Upper
152 100
115 56.9 27.0 80.8
150 154.8 0.0 350.2

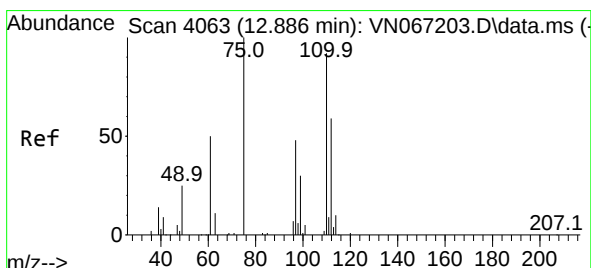
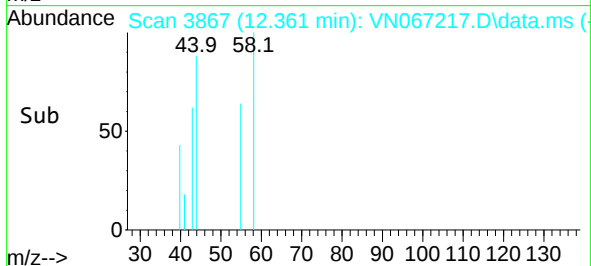
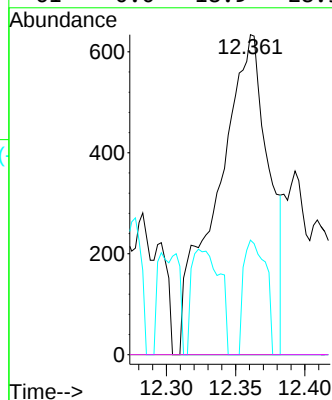
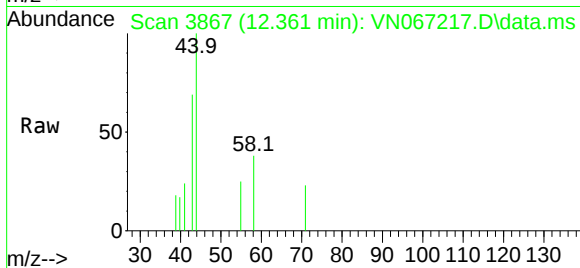




#74
N-amy1 acetate
Concen: 0.538 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.032 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

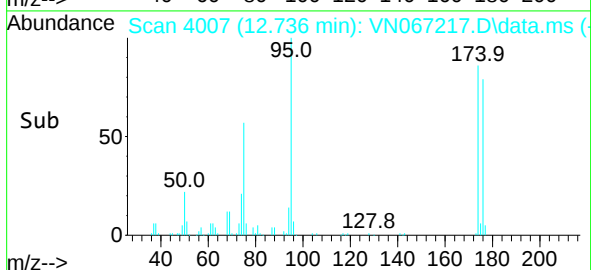
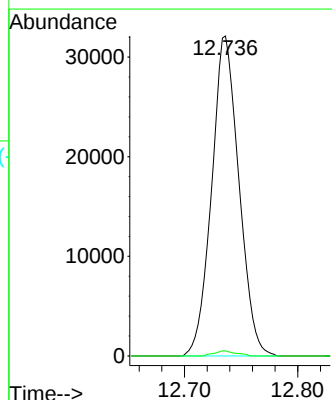
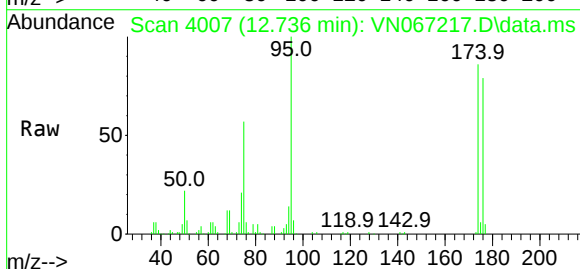
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

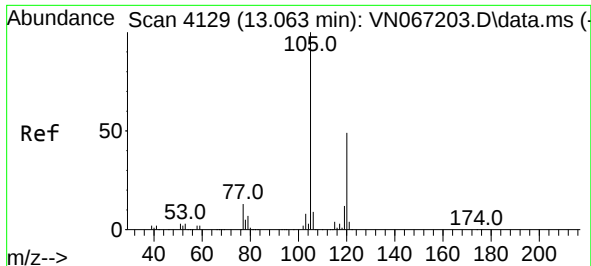
Tgt Ion: 43	Resp: 1631
Ion Ratio	Lower Upper
43	100
70	0.0 36.7 55.1#
55	15.4 17.6 26.4#
61	0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 28.254 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 75	Resp: 53683
Ion Ratio	Lower Upper
75	100
77	1.3 0.0 0.0#

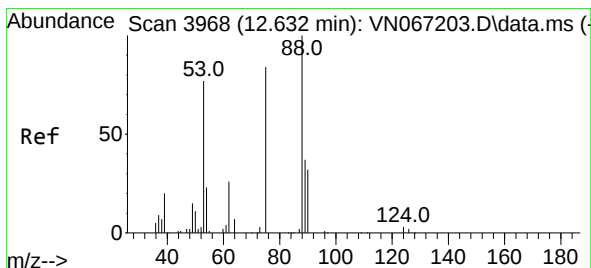
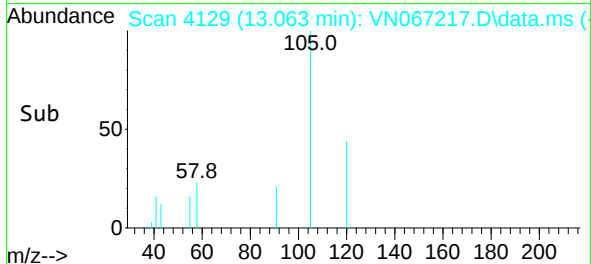
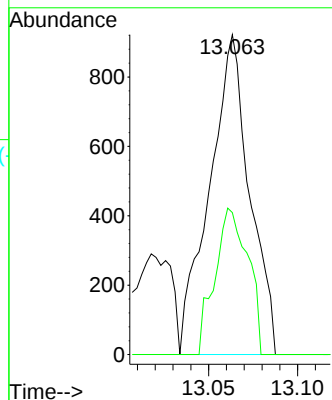
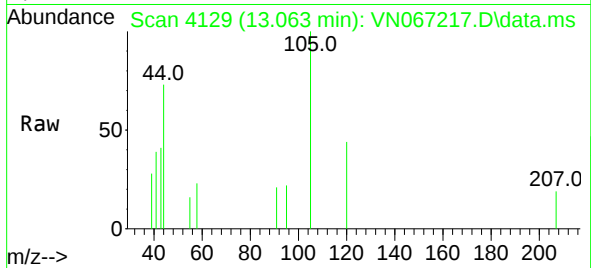




#80
1,3,5-Trimethylbenzene
Concen: 0.222 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.000 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

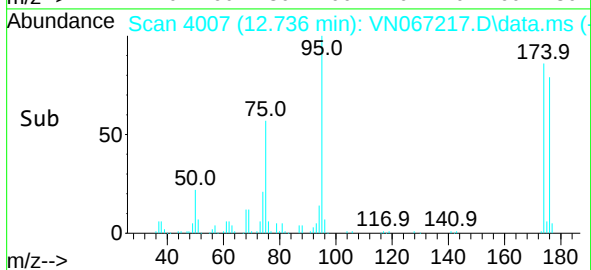
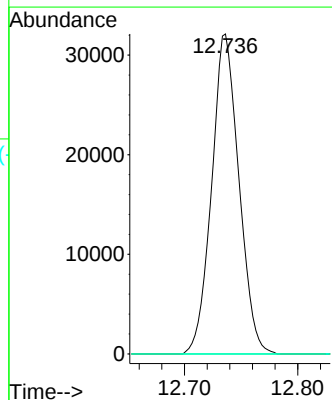
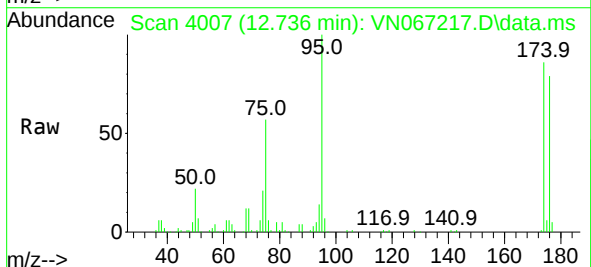
Instrument :
MSVOA_N
ClientSampled :
18-B11(2-4)

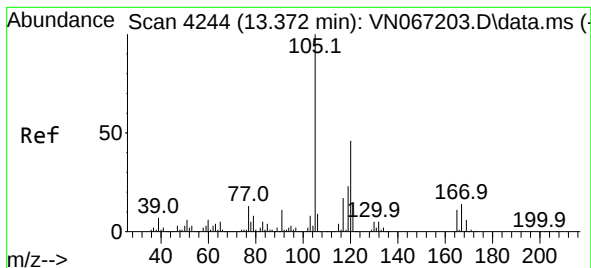
Tgt Ion:105 Resp: 1443
Ion Ratio Lower Upper
105 100
120 37.8 25.0 75.0



#81
trans-1,4-Dichloro-2-butene
Concen: 69.130 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

Tgt Ion: 75 Resp: 53683
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

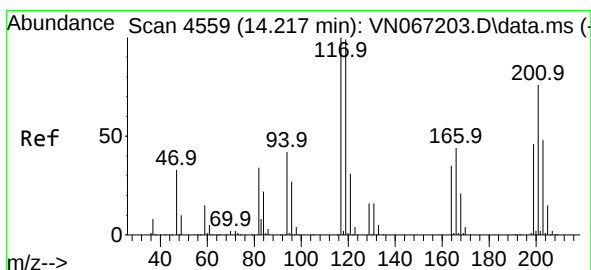
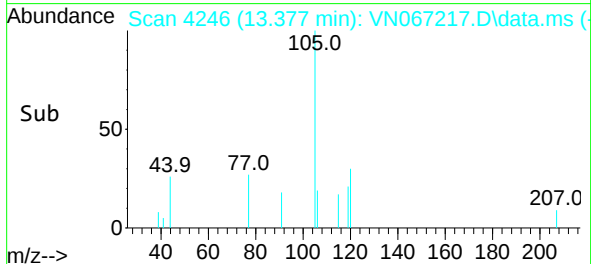
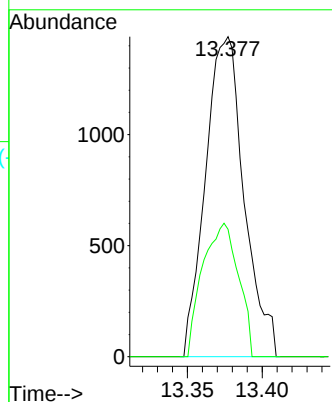
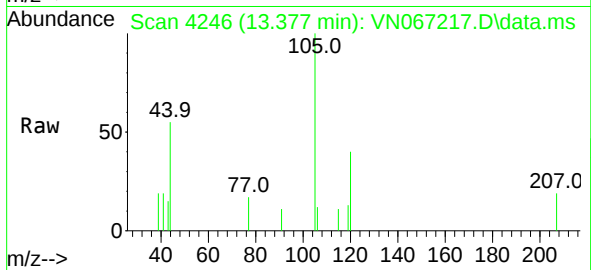




#84
1,2,4-Trimethylbenzene
Concen: 0.400 ug/l
RT: 13.377 min Scan# 4246
Delta R.T. 0.005 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

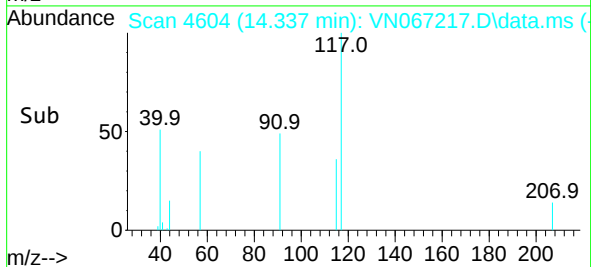
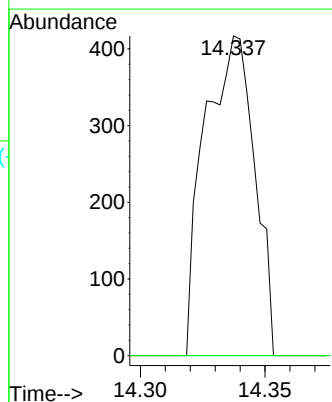
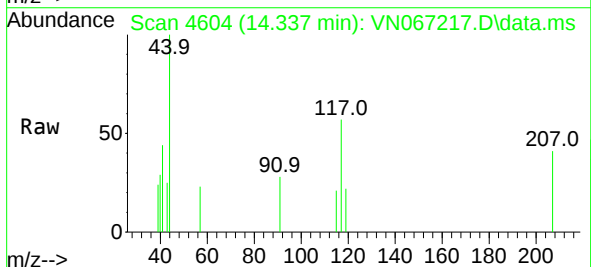
Instrument :
MSVOA_N
ClientSampleId :
18-B11(2-4)

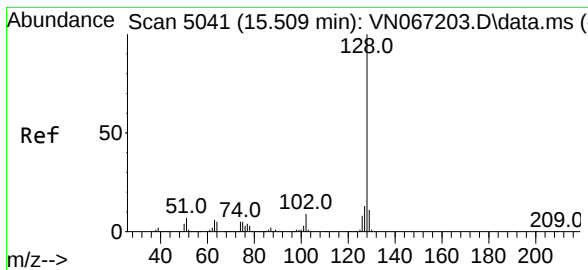
Tgt Ion:105 Resp: 2590
Ion Ratio Lower Upper
105 100
120 38.6 23.8 71.2



#90
Hexachloroethane
Concen: 0.493 ug/l
RT: 14.337 min Scan# 4604
Delta R.T. 0.121 min
Lab File: VN067217.D
Acq: 4 Jun 2021 23:57

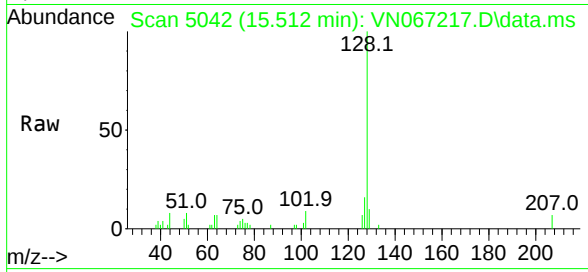
Tgt Ion:117 Resp: 580
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#





#95
 Naphthalene
 Concen: 8.793 ug/l
 RT: 15.512 min Scan# 5042
 Delta R.T. 0.003 min
 Lab File: VN067217.D
 Acq: 4 Jun 2021 23:57

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



Tgt Ion:128 Resp: 21053

Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.2
129	10.5	8.6	13.0

