

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067044.D
 Acq On : 9 Aug 2021 17:33
 Operator : JC/MD
 Sample : PB138255ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 03:52:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

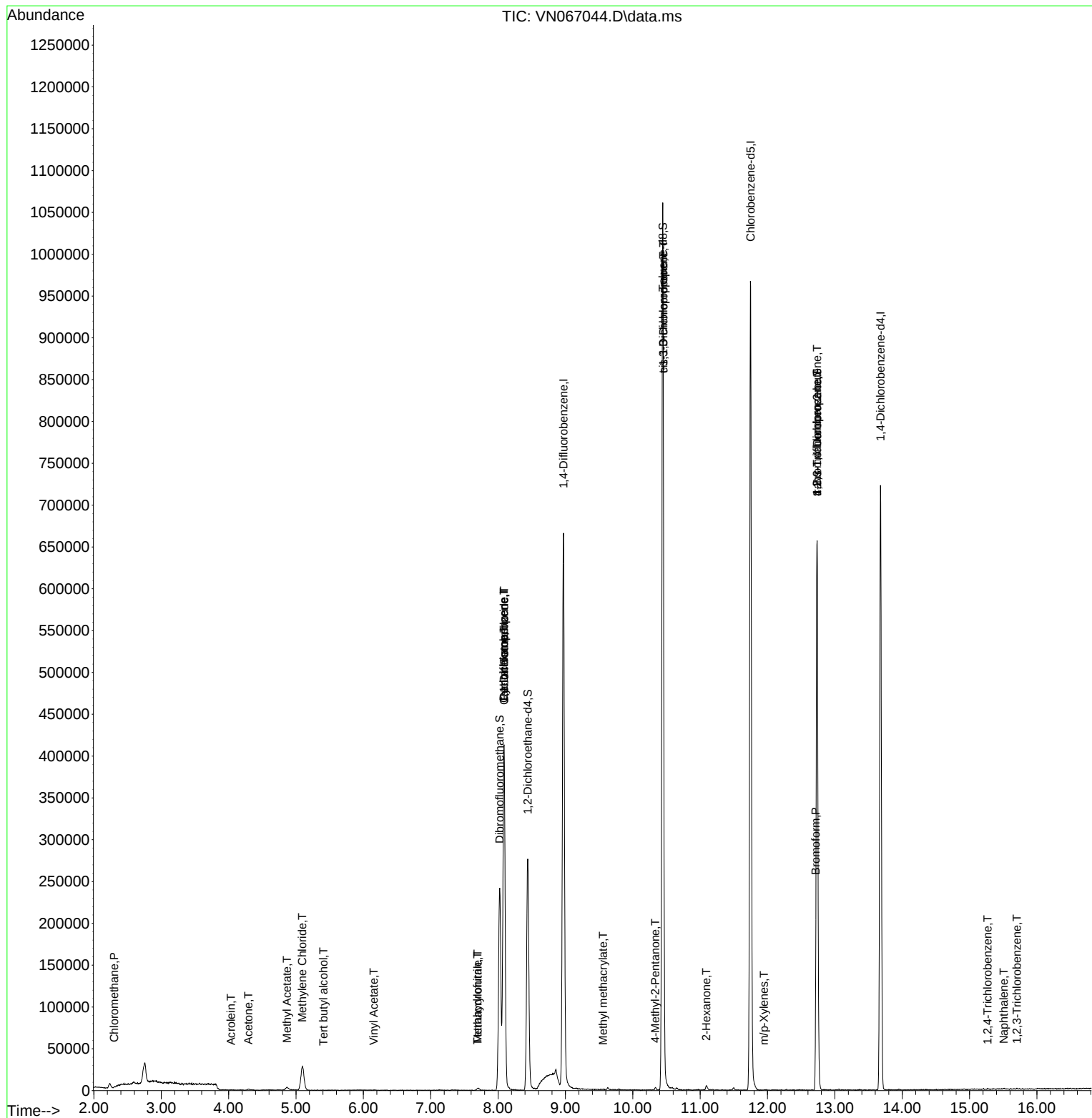
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	302851	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	581681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	568774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	192625	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	235262	54.873	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 109.740%		
35) Dibromofluoromethane	8.024	113	180839	53.346	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 106.700%		
50) Toluene-d8	10.446	98	745517	47.834	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 95.660%		
62) 4-Bromofluorobenzene	12.736	95	236427	42.154	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 84.300%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	801	0.208	ug/l	99
11) Tert butyl alcohol	5.406	59	133	0.232	ug/l #	71
13) Acrolein	4.036	56	306	0.785	ug/l #	36
16) Acetone	4.293	43	1300	0.831	ug/l #	50
18) Methyl Acetate	4.867	43	6485	1.625	ug/l	91
20) Methylene Chloride	5.093	84	23643	6.297	ug/l	90
23) Vinyl Acetate	6.155	43	24	8.803	ug/l #	75
29) Tetrahydrofuran	7.691	42	557	0.383	ug/l #	85
31) Cyclohexane	8.086	56	7547	1.193	ug/l #	14
36) 1,1-Dichloropropene	8.086	75	27574	5.125	ug/l #	52
38) Carbon Tetrachloride	8.091	117	33395	6.311	ug/l #	17
41) Methacrylonitrile	7.697	41	542	0.225	ug/l #	36
48) Methyl methacrylate	9.558	41	27	2.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	2629	12.973	ug/l #	84
53) t-1,3-Dichloropropene	10.454	75	142	2.853	ug/l #	64
54) cis-1,3-Dichloropropene	10.454	75	142	2.374	ug/l #	74
59) 2-Hexanone	11.092	43	1901	13.699	ug/l	70
68) m/p-Xylenes	11.948	106	25	4.065	ug/l #	1
71) Bromoform	12.717	173	91	4.054	ug/l #	29
76) 1,2,3-Trichloropropane	12.736	75	130972	33.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	130972	90.770	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	127	2.510	ug/l #	42
95) Naphthalene	15.507	128	1108	3.249	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	86	2.398	ug/l #	12

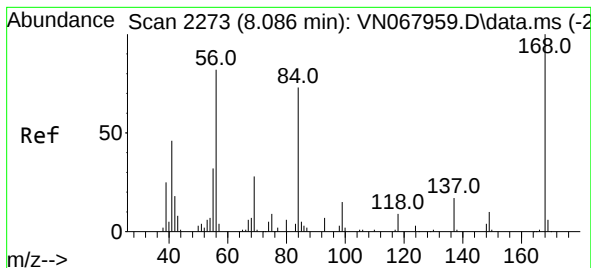
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 03:52:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067044.D

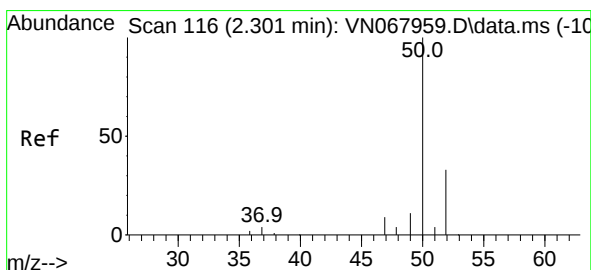
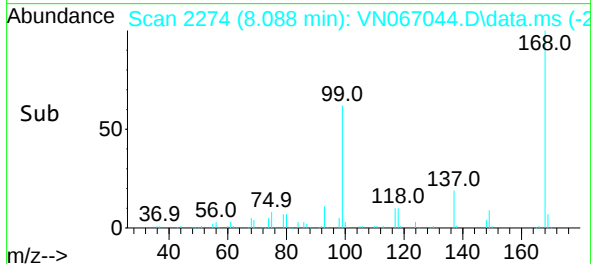
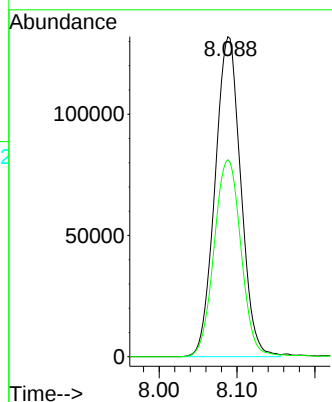
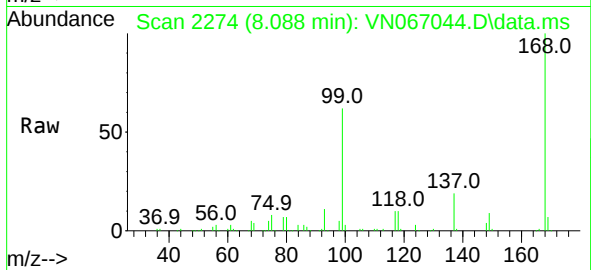
Acq: 9 Aug 2021 17:33

Tgt Ion:168 Resp: 302851

Ion Ratio Lower Upper

168 100

99 61.5 62.9 94.3#



#3

Chloromethane

Concen: 0.208 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.000 min

Lab File: VN067044.D

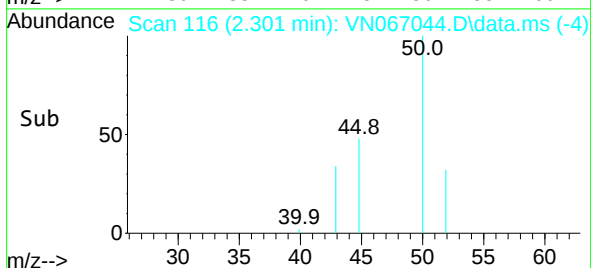
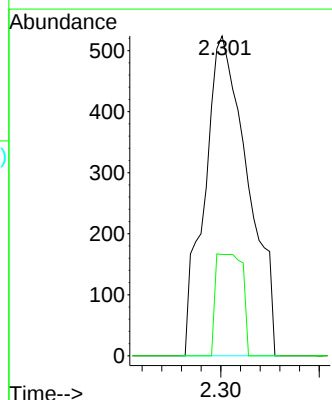
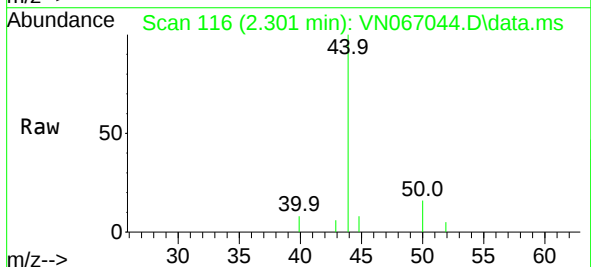
Acq: 9 Aug 2021 17:33

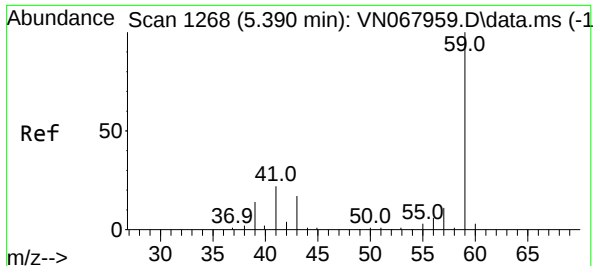
Tgt Ion: 50 Resp: 801

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4



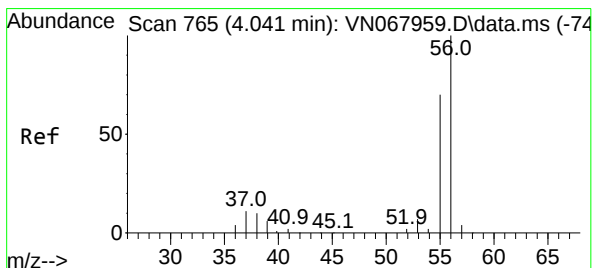
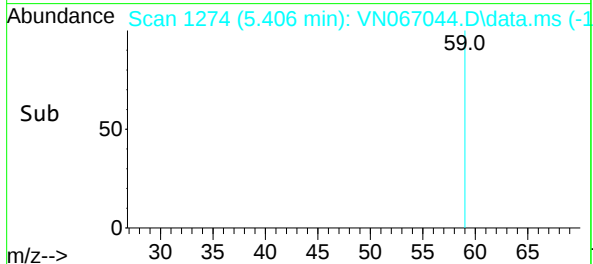
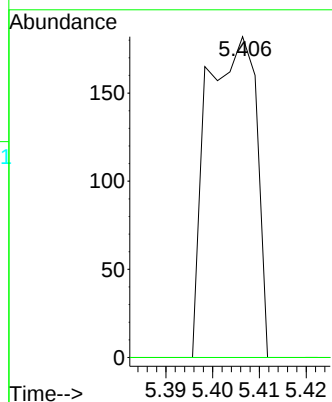
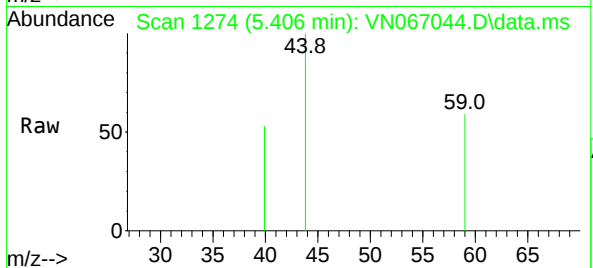


#11

Tert butyl alcohol
Concen: 0.232 ug/l
RT: 5.406 min Scan# 1274
Delta R.T. 0.016 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Instrument :
MSVOA_N
ClientSampled :

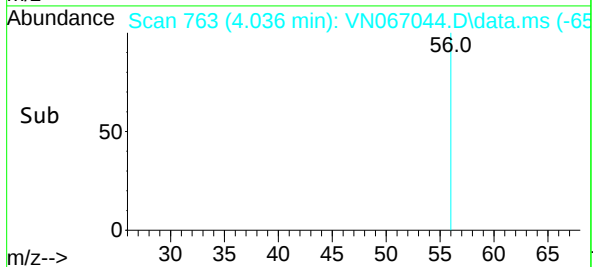
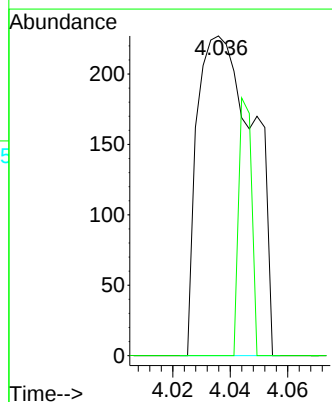
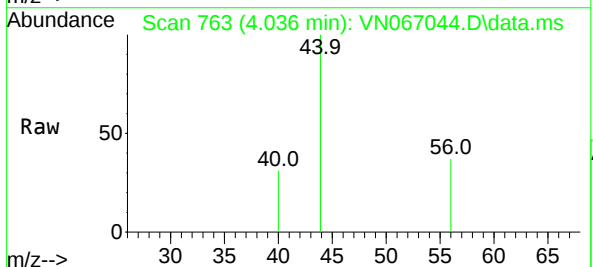
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

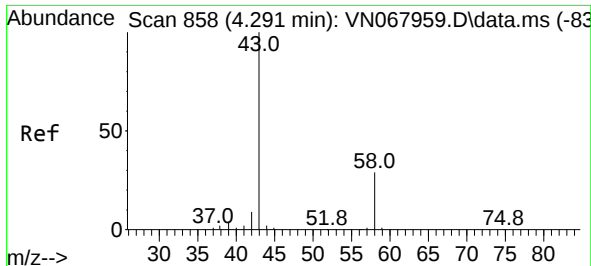


#13

Acrolein
Concen: 0.785 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 18.6 57.4 86.0#

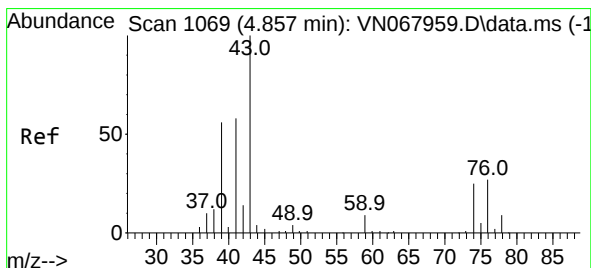
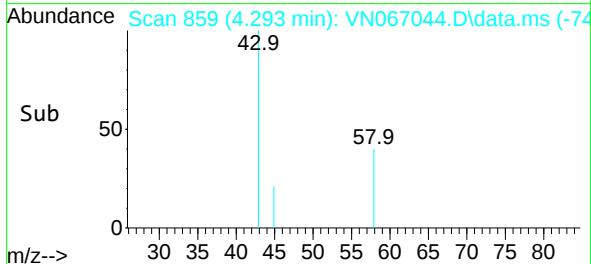
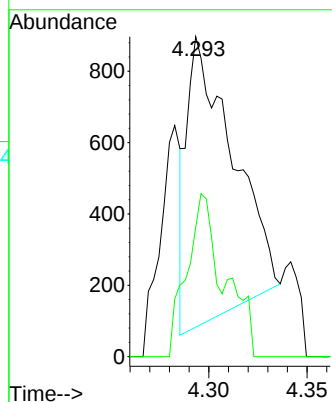
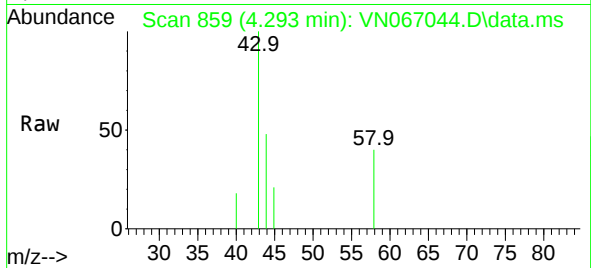




#16
Acetone
Concen: 0.831 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

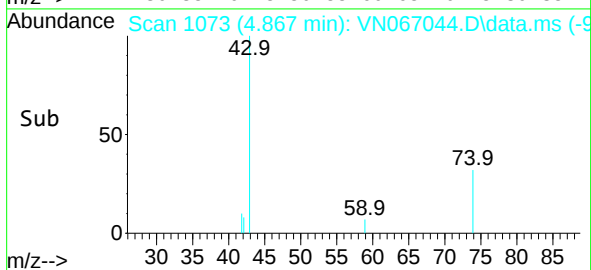
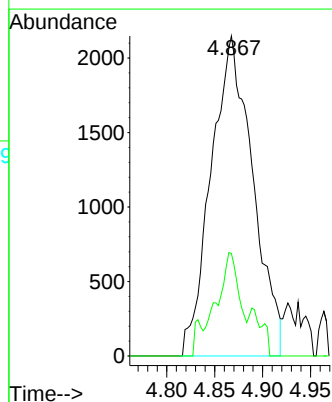
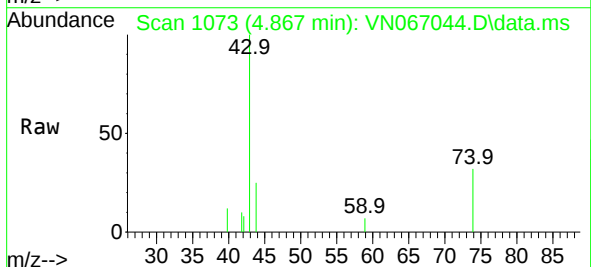
Instrument :
MSVOA_N
ClientSampled :

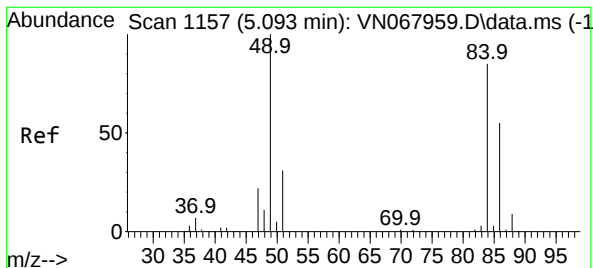
Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 52.4 21.2 31.8#



#18
Methyl Acetate
Concen: 1.625 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

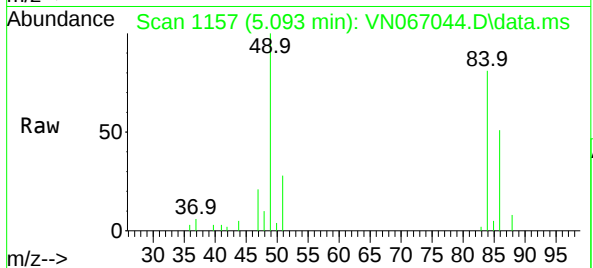
Tgt Ion: 43 Resp: 6485
Ion Ratio Lower Upper
43 100
74 17.4 17.4 26.0



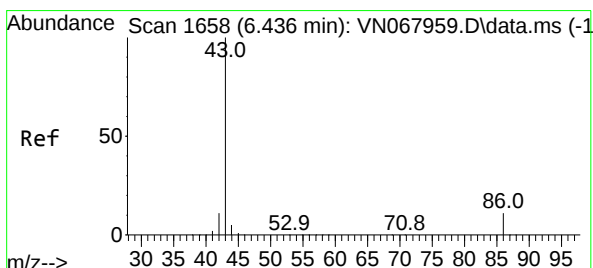
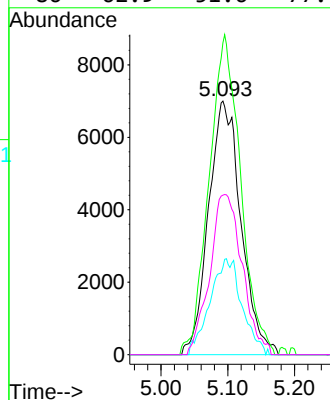
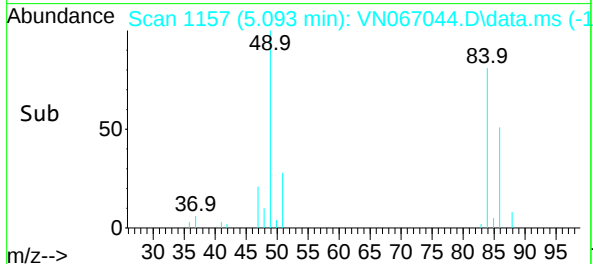


#20
Methylene Chloride
Concen: 6.297 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

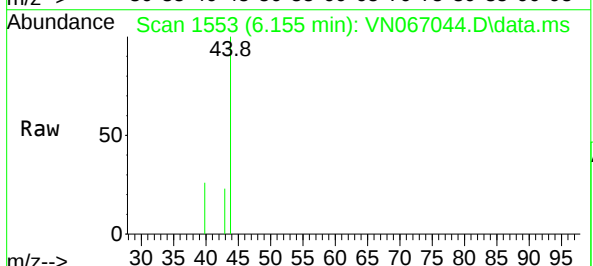
Instrument :
MSVOA_N
ClientSampled :



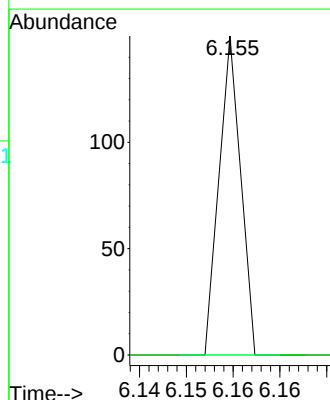
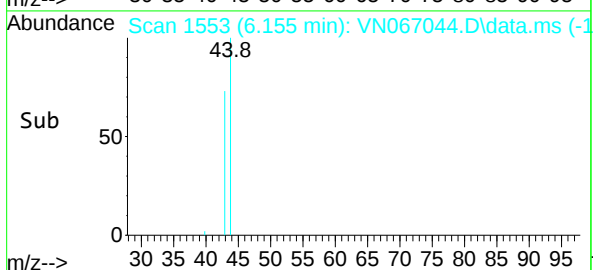
Tgt Ion:	84	Resp:	23643
Ion	Ratio	Lower	Upper
84	100		
49	123.0	110.9	166.3
51	34.4	32.6	49.0
86	62.9	51.6	77.4

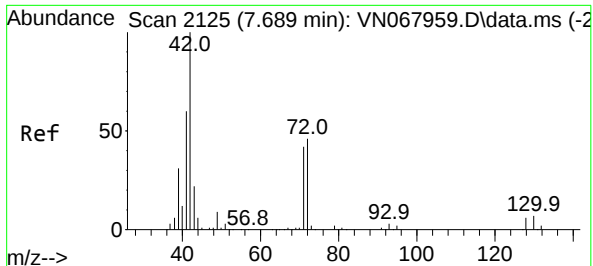


#23
Vinyl Acetate
Concen: 8.803 ug/l
RT: 6.155 min Scan# 1553
Delta R.T. -0.281 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33



Tgt Ion:	43	Resp:	24
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#





#29

Tetrahydrofuran

Concen: 0.383 ug/l

RT: 7.691 min Scan# 2126

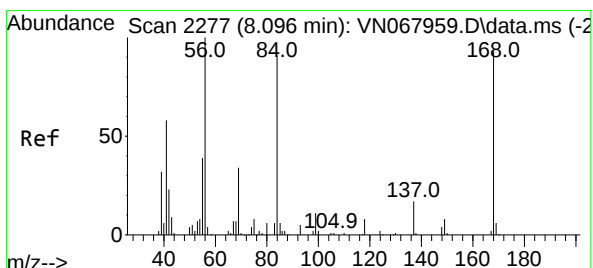
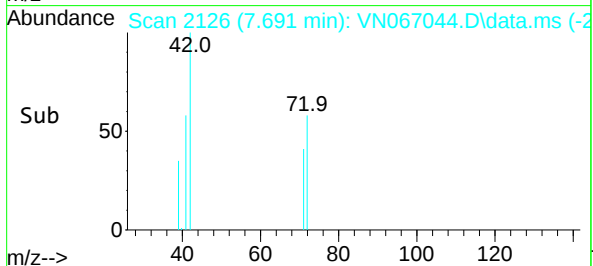
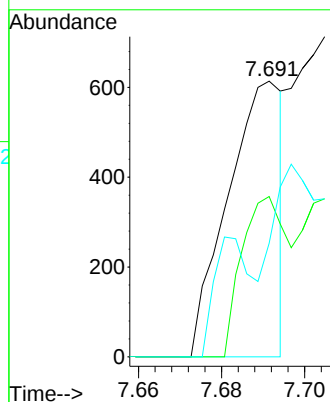
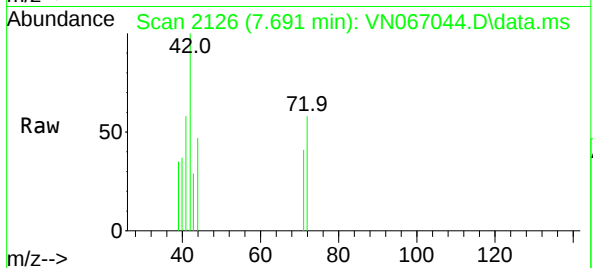
Delta R.T. 0.002 min

Lab File: VN067044.D

Acq: 9 Aug 2021 17:33

Tgt Ion:	42	Resp:	557
Ion	Ratio	Lower	Upper
42	100		
72	49.0	32.8	49.2
71	27.8	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.193 ug/l

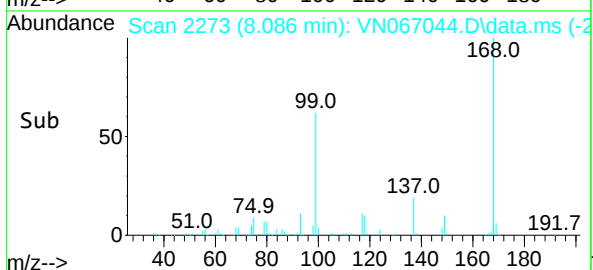
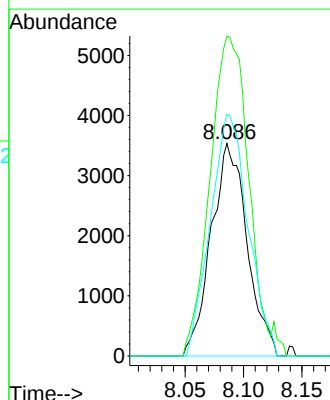
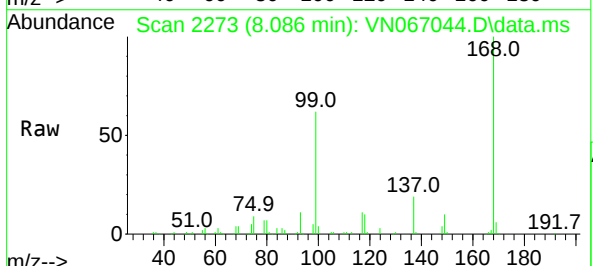
RT: 8.086 min Scan# 2273

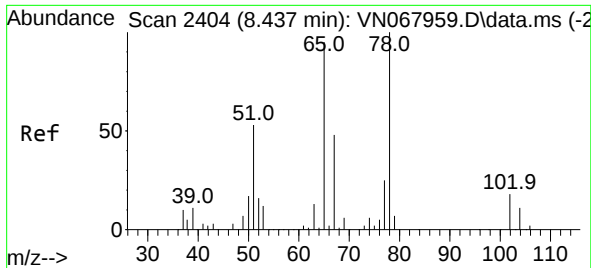
Delta R.T. -0.010 min

Lab File: VN067044.D

Acq: 9 Aug 2021 17:33

Tgt Ion:	56	Resp:	7547
Ion	Ratio	Lower	Upper
56	100		
69	150.6	27.3	40.9#
84	113.7	64.9	97.3#

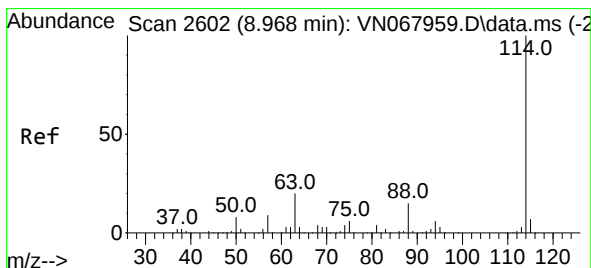
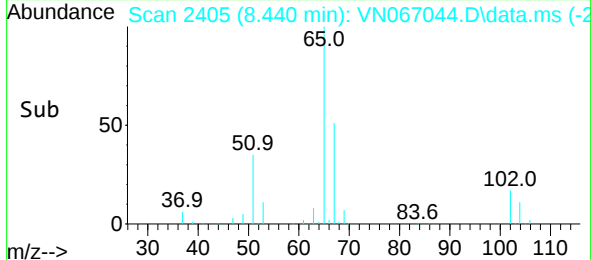
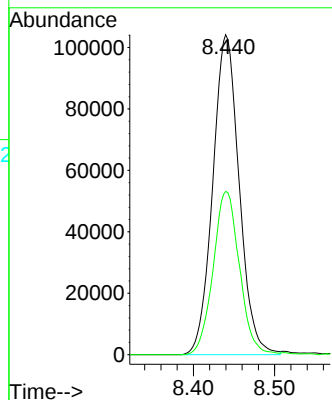
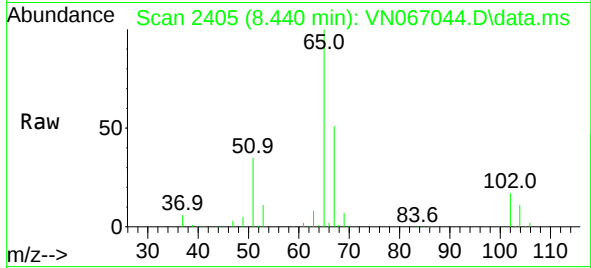




#33
 1,2-Dichloroethane-d4
 Concen: 54.873 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067044.D
 Acq: 9 Aug 2021 17:33

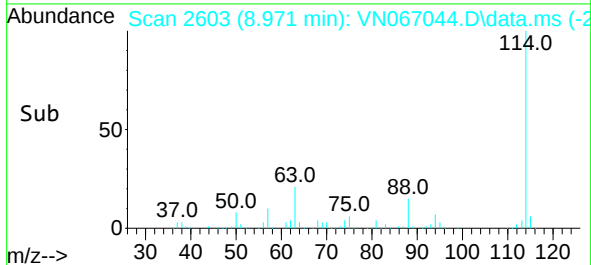
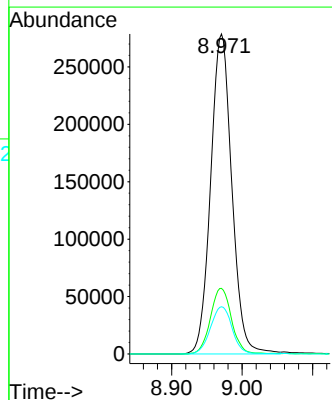
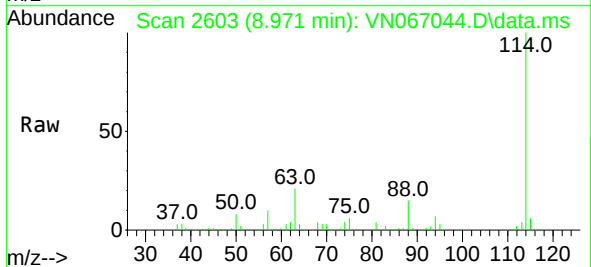
Instrument :
 MSVOA_N
 ClientSampled :

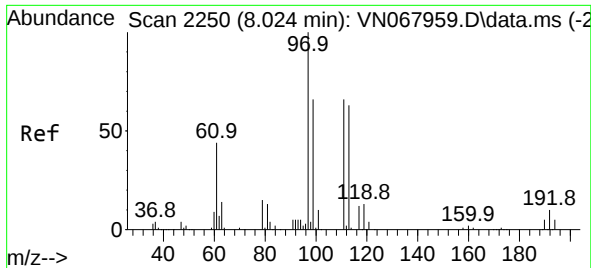
Tgt Ion: 65 Resp: 235262
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067044.D
 Acq: 9 Aug 2021 17:33

Tgt Ion: 114 Resp: 581681
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 49.0
 88 14.7 0.0 36.6

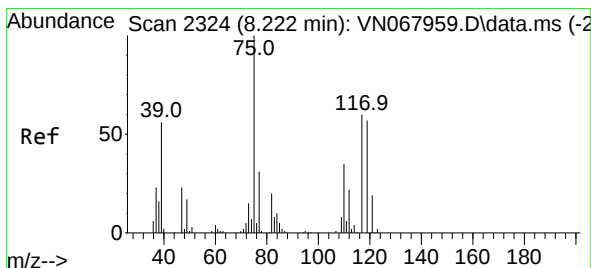
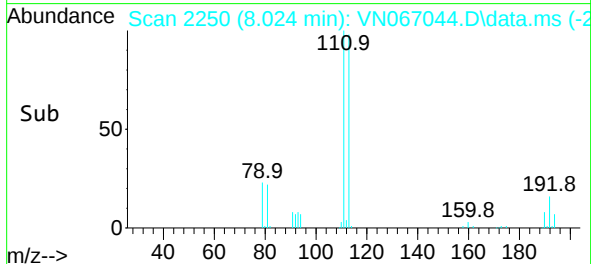
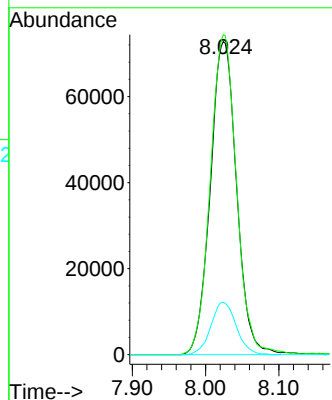
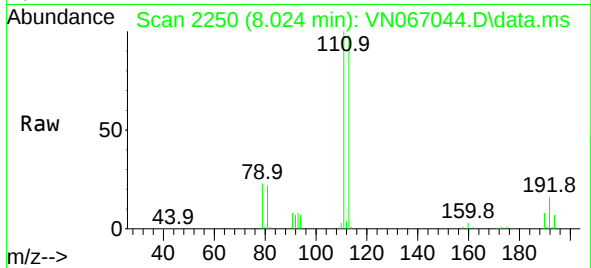




#35
Dibromofluoromethane
Concen: 53.346 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

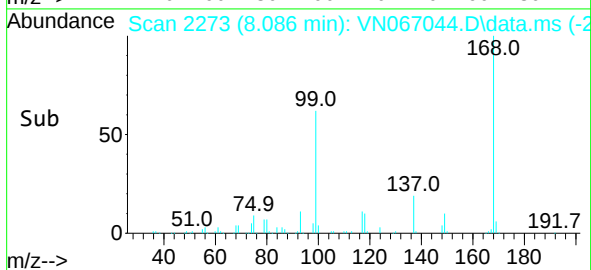
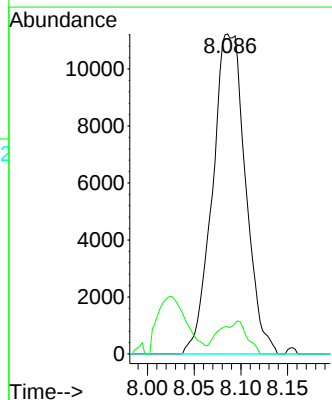
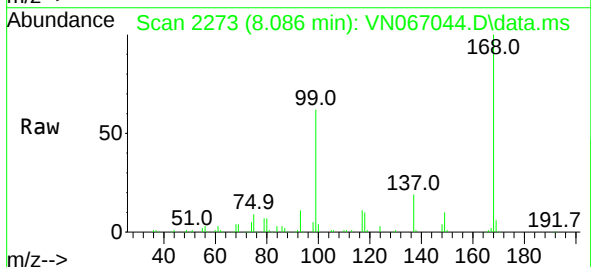
Instrument :
MSVOA_N
ClientSampled :

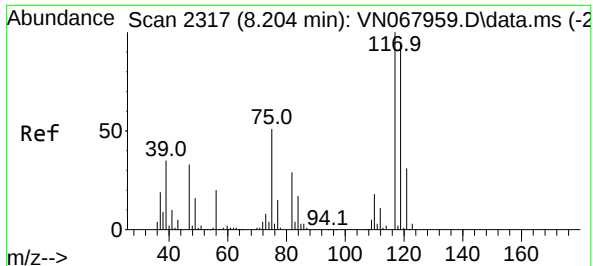
Tgt Ion:113 Resp: 180839
Ion Ratio Lower Upper
113 100
111 102.2 83.8 125.8
192 16.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

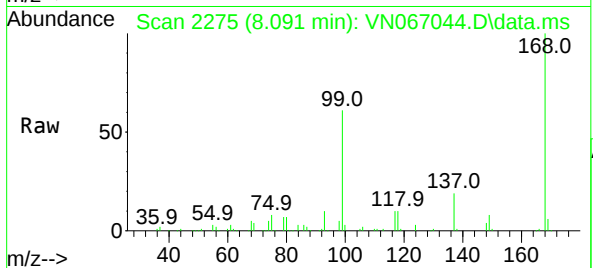
Tgt Ion: 75 Resp: 27574
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



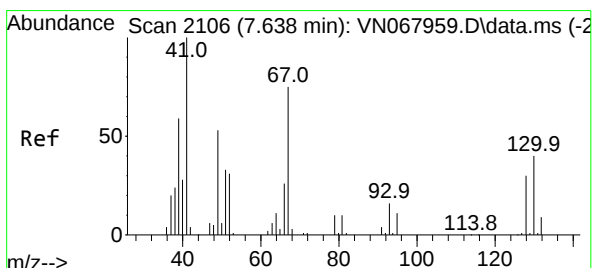
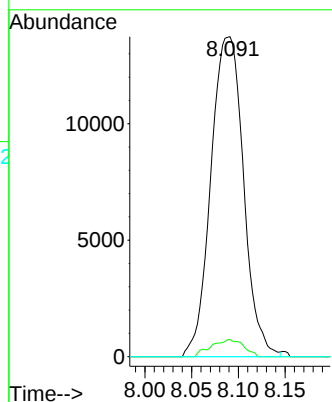
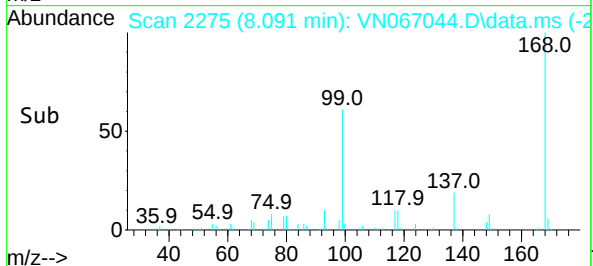


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.113 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

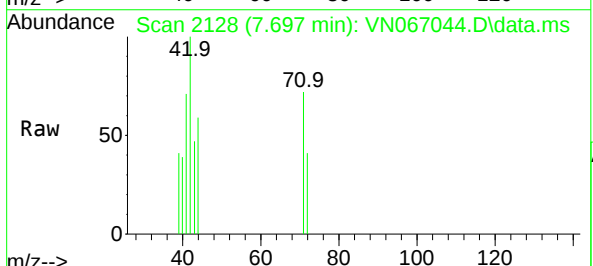
Instrument :
MSVOA_N
ClientSampled :



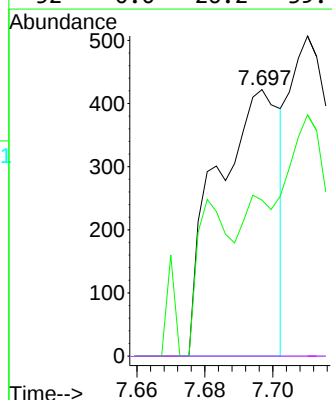
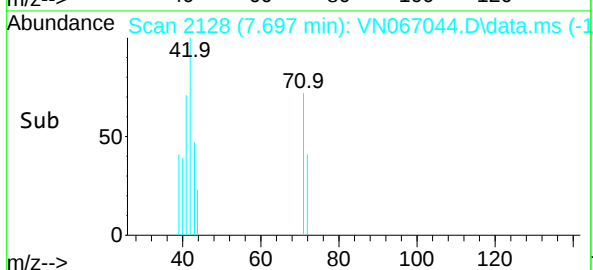
Tgt Ion: 117 Resp: 33395
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

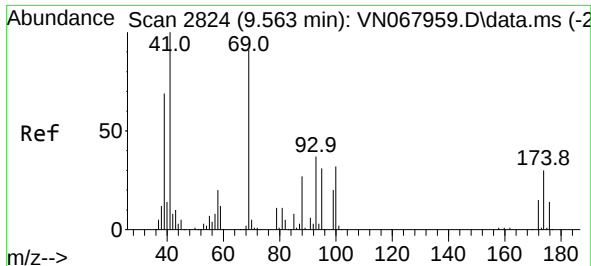


#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33



Tgt Ion: 41 Resp: 542
Ion Ratio Lower Upper
41 100
39 89.1 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

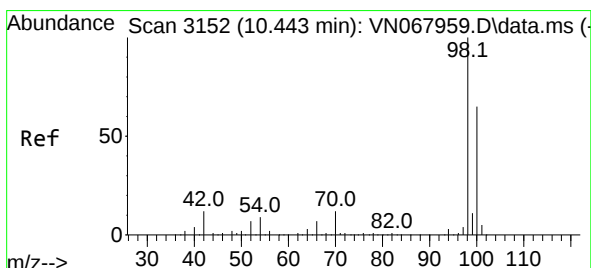
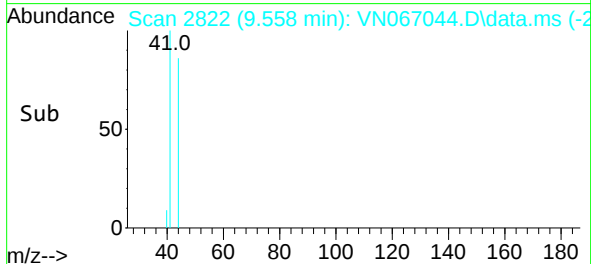
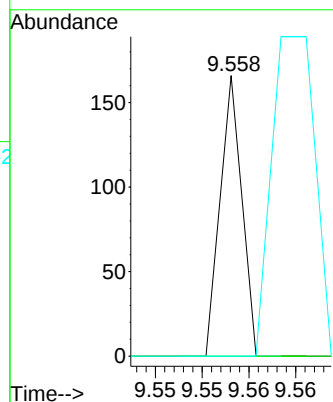
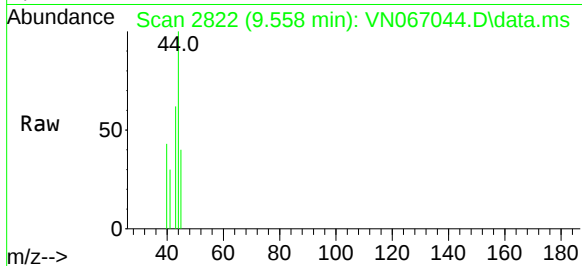




#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.005 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

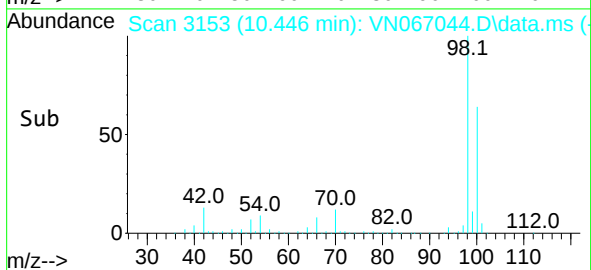
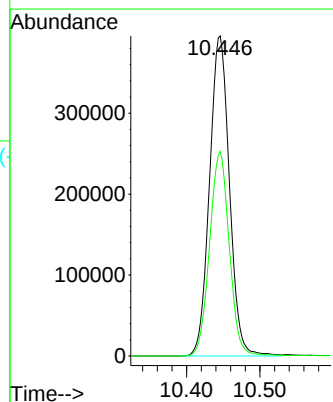
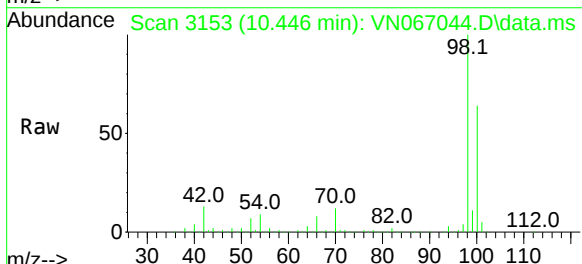
Instrument :
MSVOA_N
ClientSampleId :

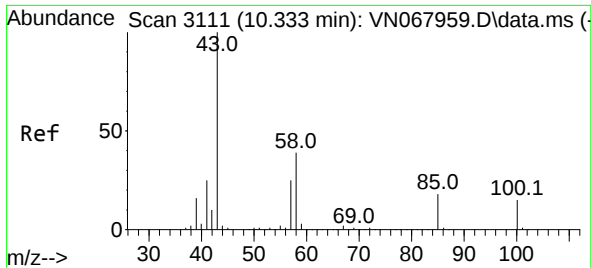
Tgt Ion: 41 Resp: 27
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 225.9 53.3 79.9#



#50
Toluene-d8
Concen: 47.834 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion: 98 Resp: 745517
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

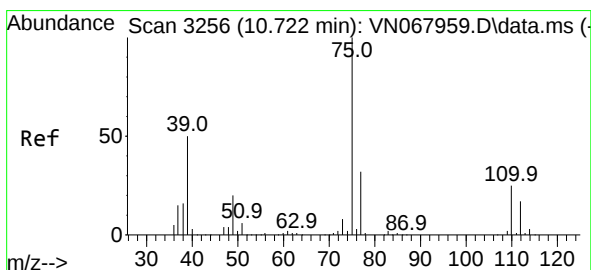
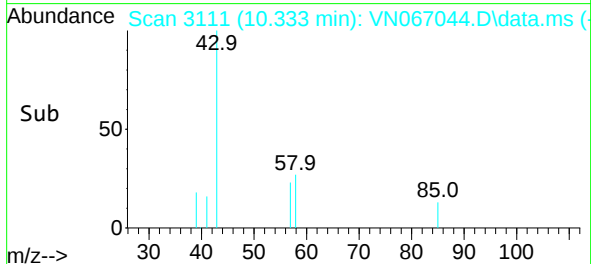
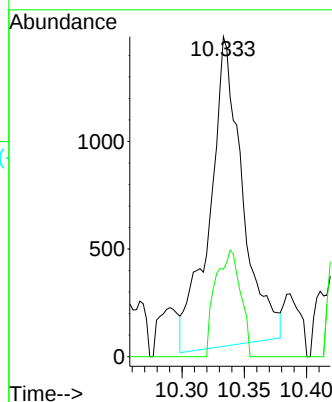
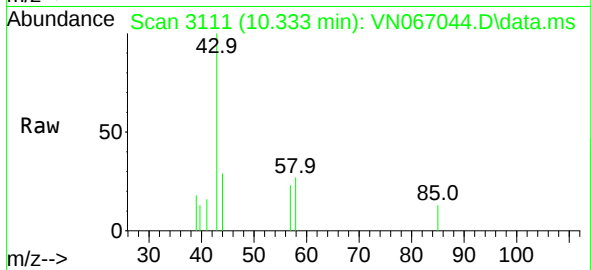




#51
4-Methyl-2-Pentanone
Concen: 12.973 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

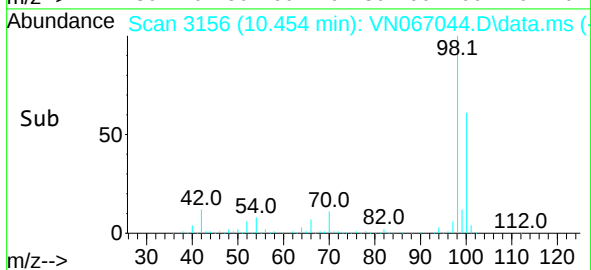
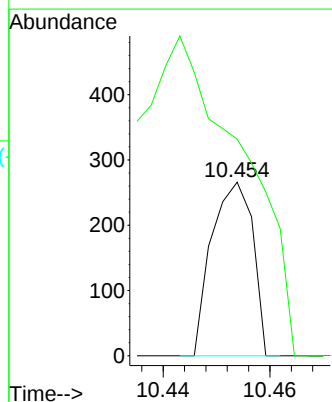
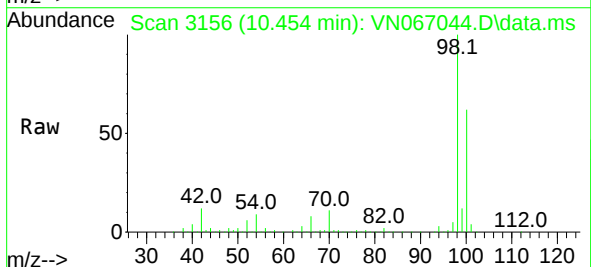
Instrument :
MSVOA_N
ClientSampled :

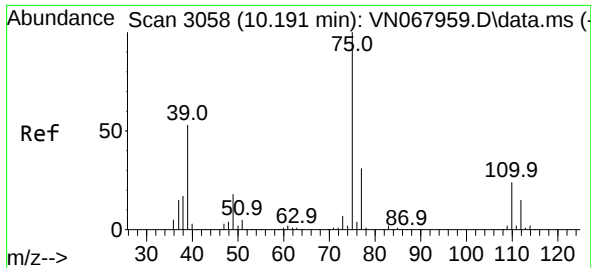
Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
58 26.2 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.853 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion: 75 Resp: 142
Ion Ratio Lower Upper
75 100
77 51.5 25.1 37.7#

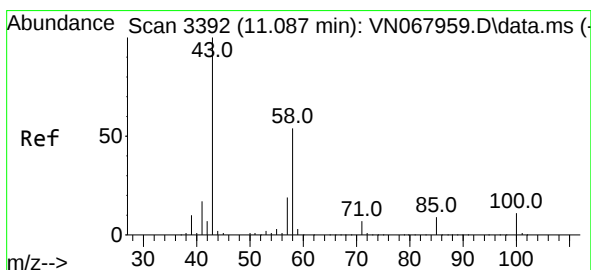
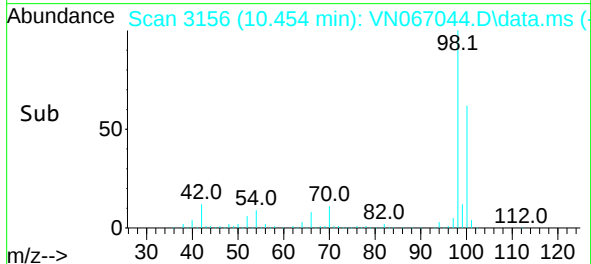
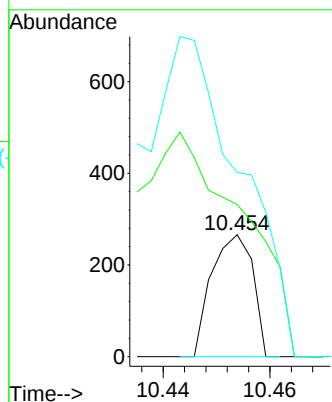
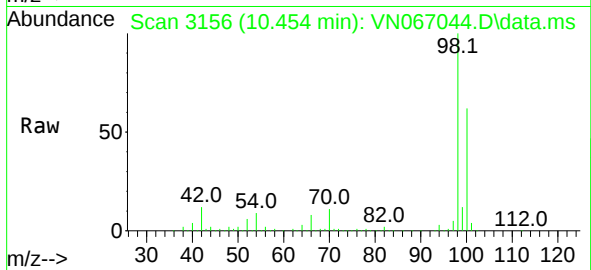




#54
 cis-1,3-Dichloropropene
 Concen: 2.374 ug/l
 RT: 10.454 min Scan# 3156
 Delta R.T. 0.263 min
 Lab File: VN067044.D
 Acq: 9 Aug 2021 17:33

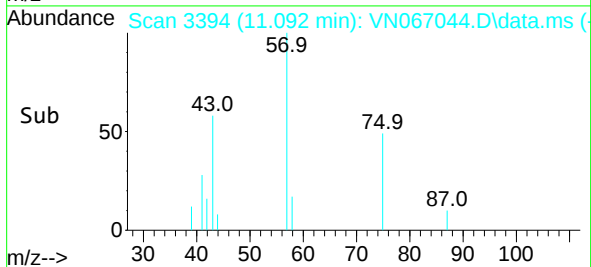
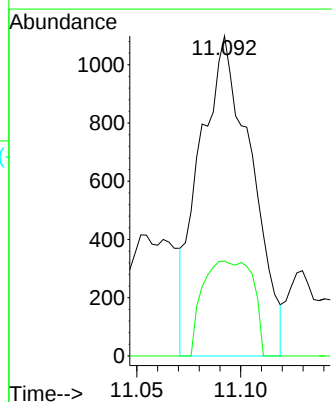
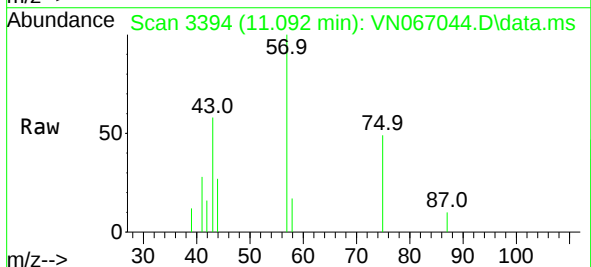
Instrument :
 MSVOA_N
 ClientSampled :

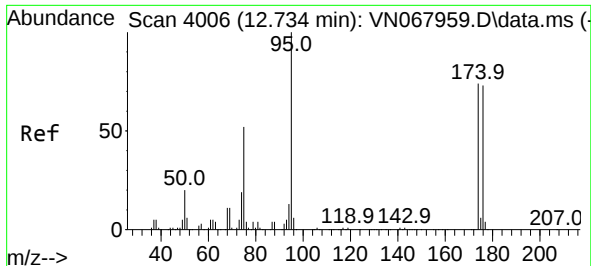
Tgt Ion: 75 Resp: 142
 Ion Ratio Lower Upper
 75 100
 77 51.5 24.6 37.0#
 39 78.9 50.7 76.1#



#59
 2-Hexanone
 Concen: 13.699 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.005 min
 Lab File: VN067044.D
 Acq: 9 Aug 2021 17:33

Tgt Ion: 43 Resp: 1901
 Ion Ratio Lower Upper
 43 100
 58 28.6 24.7 74.1

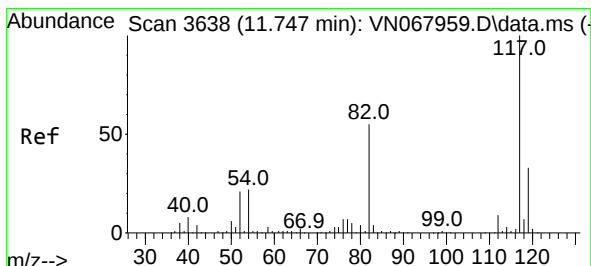
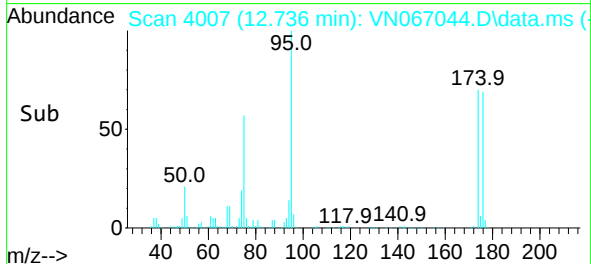
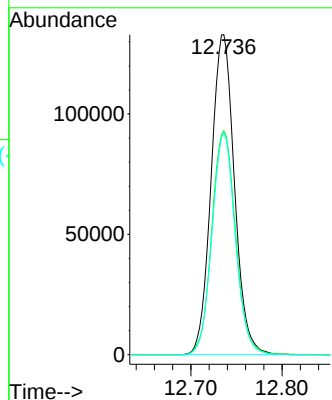
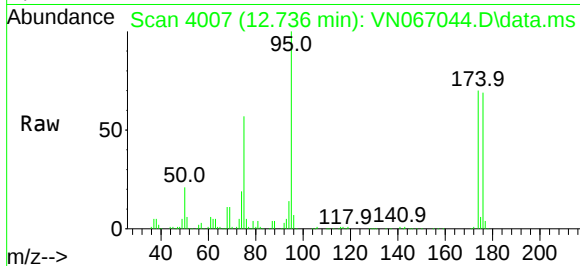




#62
4-Bromofluorobenzene
Concen: 42.154 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

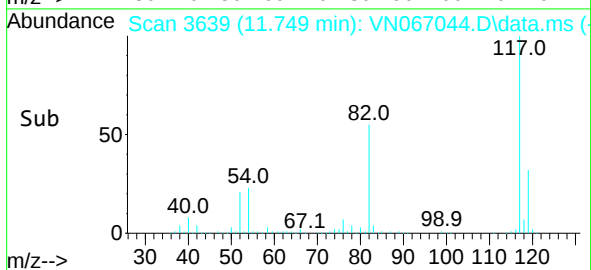
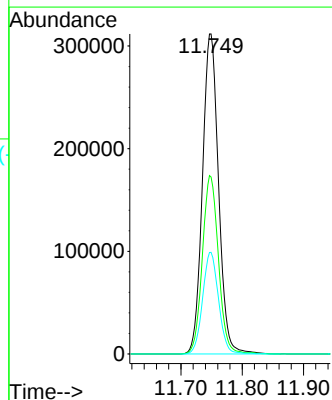
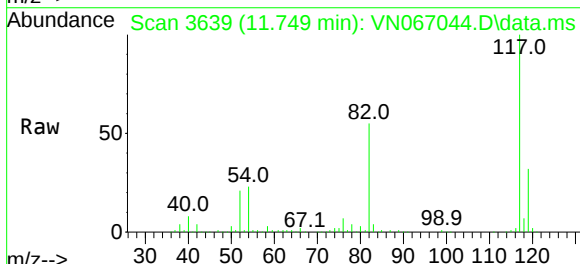
Instrument :
MSVOA_N
ClientSampled :

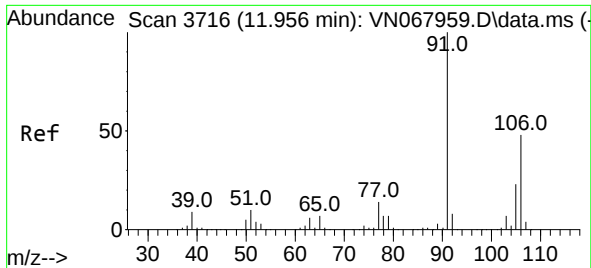
Tgt Ion: 95 Resp: 236427
Ion Ratio Lower Upper
95 100
174 71.4 0.0 122.0
176 69.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion: 117 Resp: 568774
Ion Ratio Lower Upper
117 100
82 55.3 53.1 79.7
119 31.8 25.5 38.3

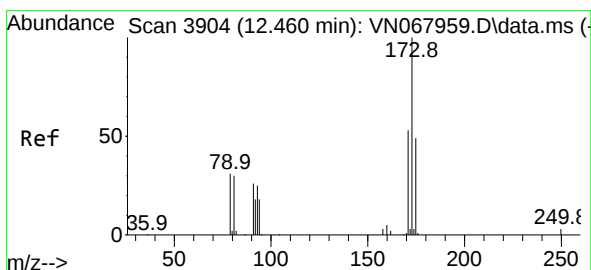
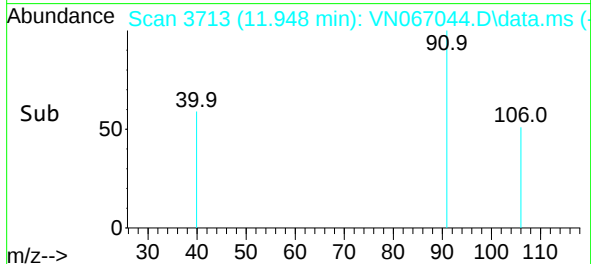
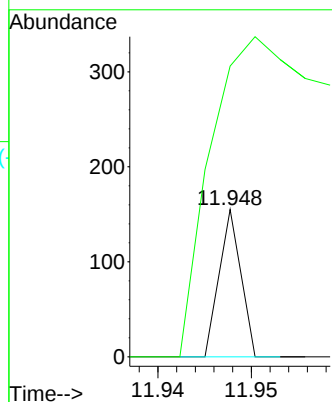
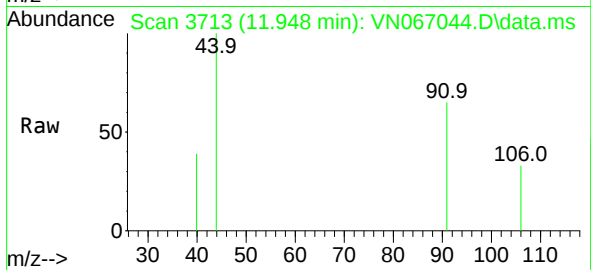




#68
m/p-Xylenes
Concen: 4.065 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.008 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

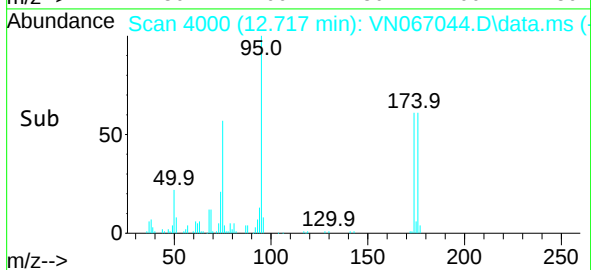
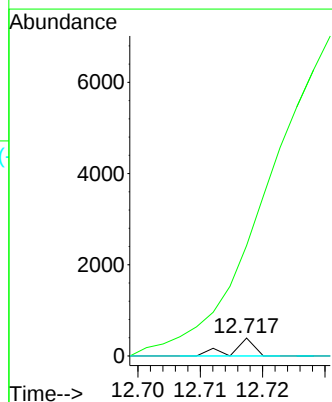
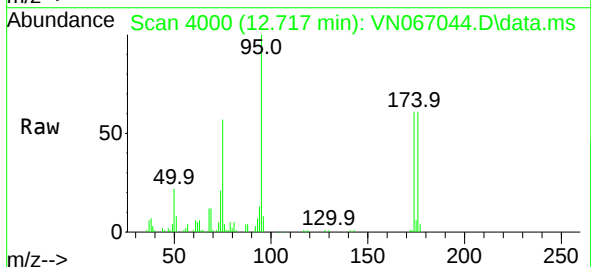
Instrument :
MSVOA_N
ClientSampled :

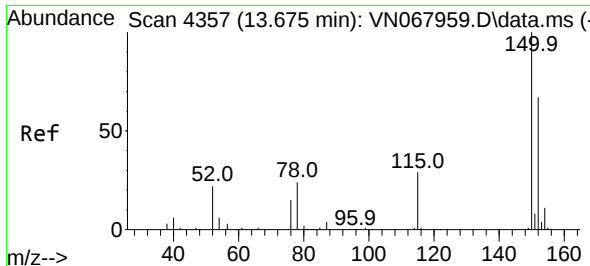
Tgt Ion:106 Resp: 25
Ion Ratio Lower Upper
106 100
91 1408.0 180.6 270.8#



#71
Bromoform
Concen: 4.054 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion:173 Resp: 91
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

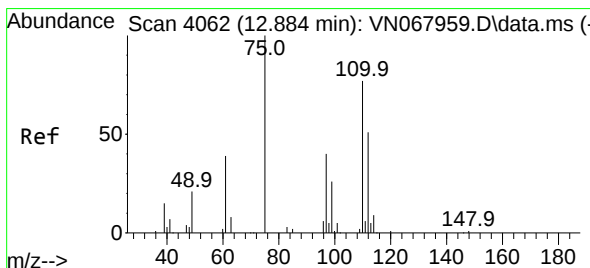
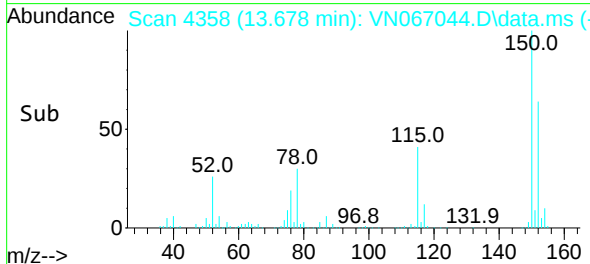
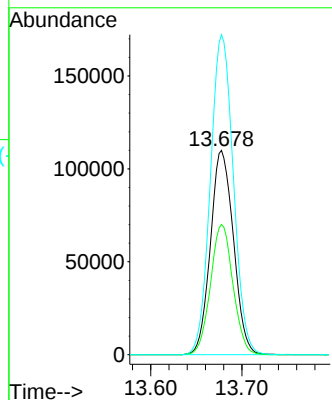
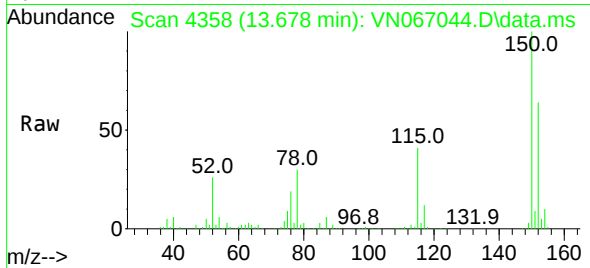




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

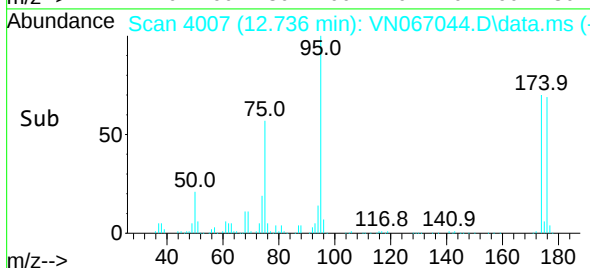
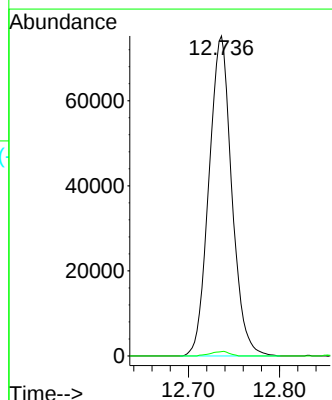
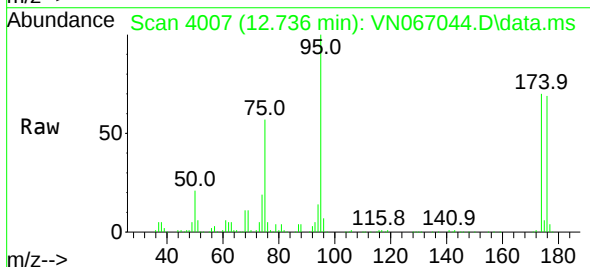
Instrument :
MSVOA_N
ClientSampled :

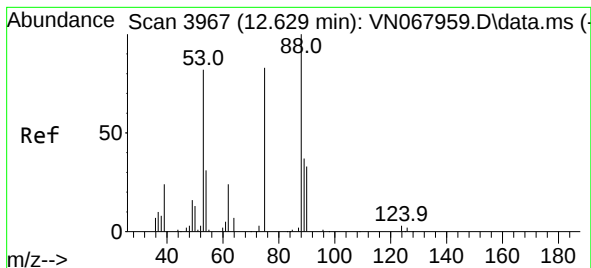
Tgt Ion:152 Resp: 192625
Ion Ratio Lower Upper
152 100
115 62.2 36.1 108.5
150 156.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 33.856 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

Tgt Ion: 75 Resp: 130972
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

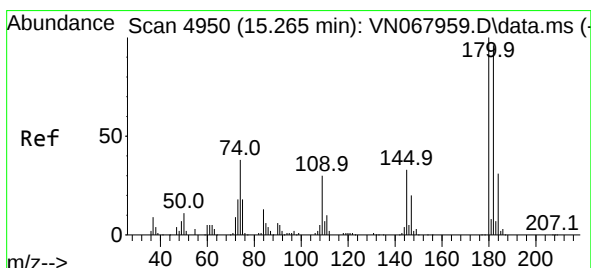
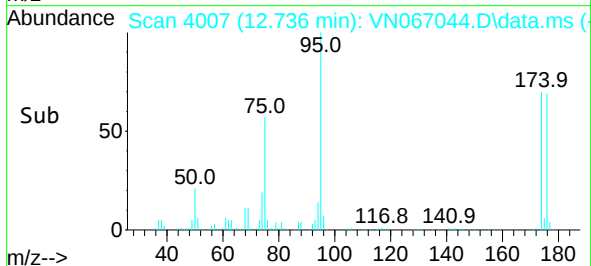
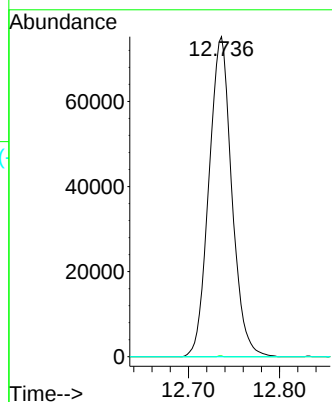
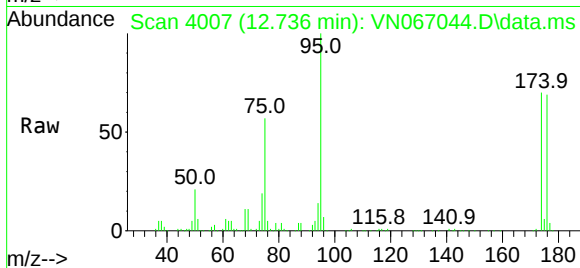




#81
trans-1,4-Dichloro-2-butene
Concen: 90.770 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

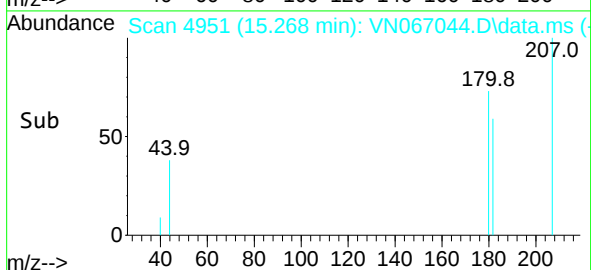
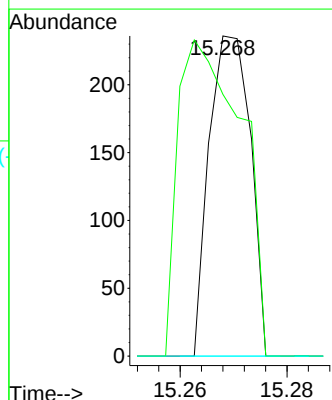
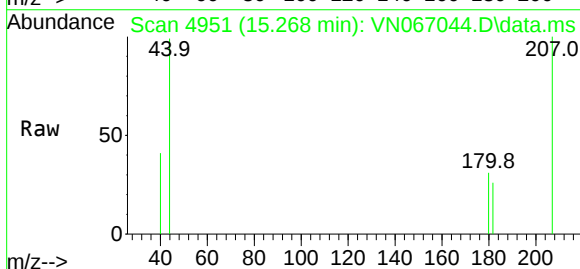
Instrument :
MSVOA_N
ClientSampled :

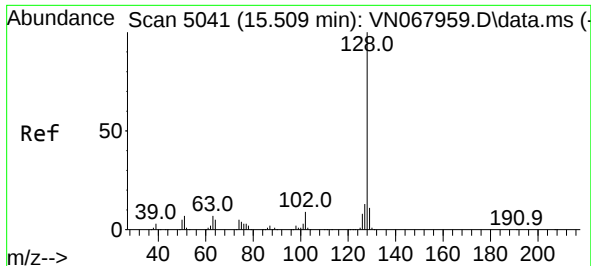
Tgt Ion: 75 Resp: 130972
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.510 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

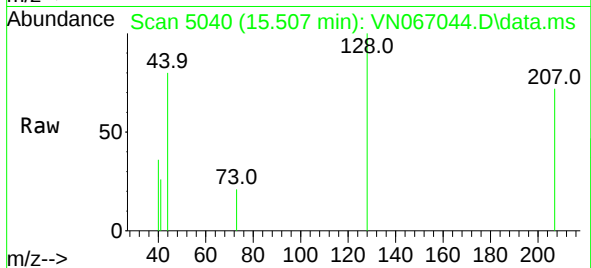
Tgt Ion:180 Resp: 127
Ion Ratio Lower Upper
180 100
182 151.2 47.5 142.5#
145 0.0 17.2 51.6#



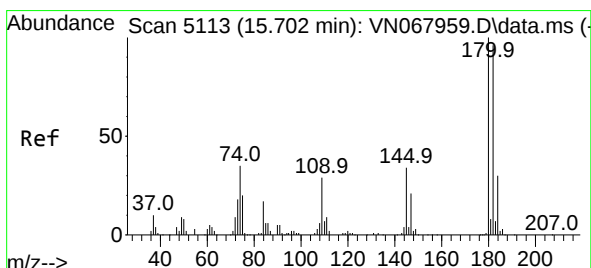
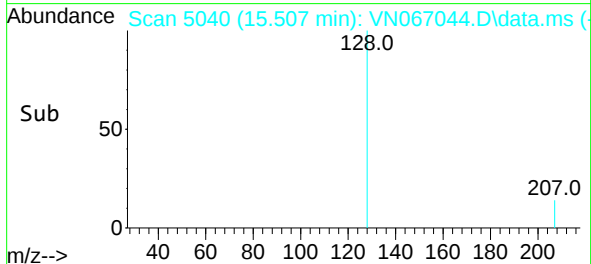
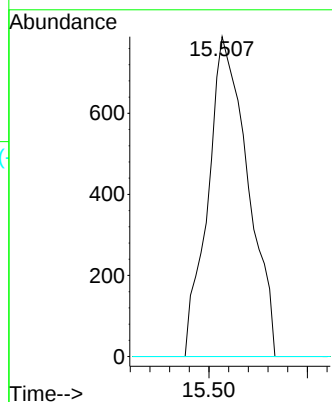


#95
Naphthalene
Concen: 3.249 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33

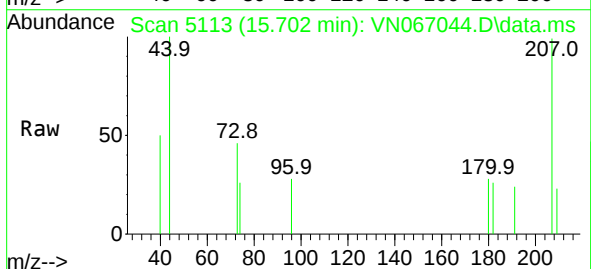
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1108
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.398 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067044.D
Acq: 9 Aug 2021 17:33



Tgt Ion:180 Resp: 86
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 18.2 54.6#

