

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067046.D
 Acq On : 9 Aug 2021 18:22
 Operator : JC/MD
 Sample : M3323-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 03:53:25 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)

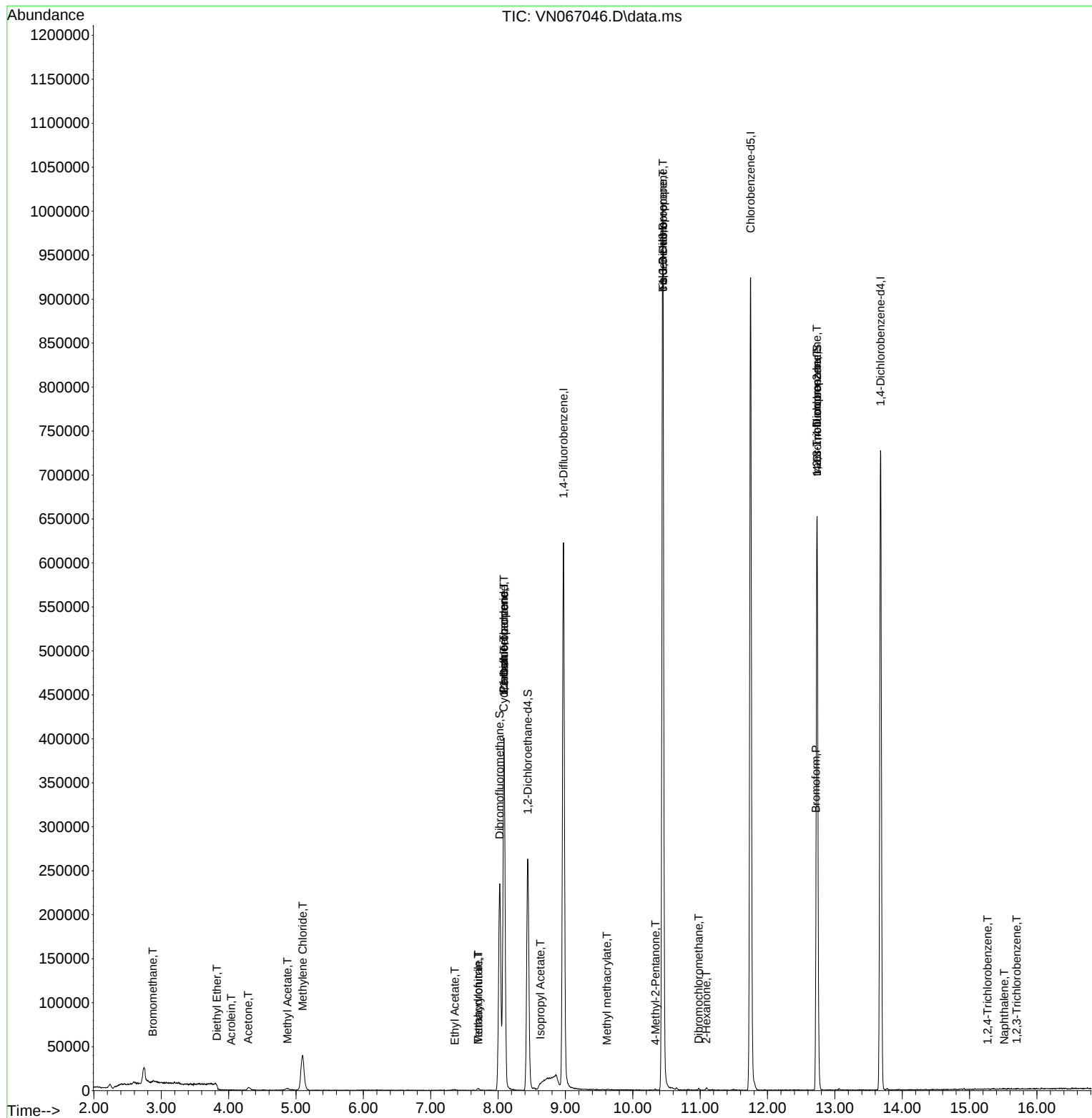
Internal Standards						
1) Pentafluorobenzene	8.088	168	284604	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	554256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	543028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	189594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225677	56.012	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.020%			
35) Dibromofluoromethane	8.024	113	174429	54.001	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.000%			
50) Toluene-d8	10.446	98	705873	47.556	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.120%			
62) 4-Bromofluorobenzene	12.736	95	231082	43.111	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.220%			
Target Compounds			Qvalue			
5) Bromomethane	2.875	94	1532	0.304	ug/l #	54
8) Diethyl Ether	3.824	74	751	0.386	ug/l #	1
13) Acrolein	4.039	56	204	0.557	ug/l #	46
16) Acetone	4.291	43	2445	1.663	ug/l	98
18) Methyl Acetate	4.873	43	4078	1.054	ug/l #	65
20) Methylene Chloride	5.098	84	32509	9.346	ug/l	90
29) Tetrahydrofuran	7.702	42	1385	1.014	ug/l #	72
31) Cyclohexane	8.083	56	7024	1.182	ug/l #	18
36) 1,1-Dichloropropene	8.086	75	25444	4.963	ug/l #	52
37) Ethyl Acetate	7.356	43	1374	0.285	ug/l #	69
38) Carbon Tetrachloride	8.088	117	31347	6.217	ug/l #	17
41) Methacrylonitrile	7.707	41	553	0.241	ug/l #	42
43) Isopropyl Acetate	8.627	43	5102	0.635	ug/l #	58
48) Methyl methacrylate	9.617	41	134	2.337	ug/l #	12
51) 4-Methyl-2-Pentanone	10.336	43	1282	12.775	ug/l #	39
53) t-1,3-Dichloropropene	10.448	75	85	2.845	ug/l #	1
54) cis-1,3-Dichloropropene	10.448	75	85	2.367	ug/l #	50
59) 2-Hexanone	11.089	43	1489	13.626	ug/l #	48
60) Dibromochloromethane	10.977	129	354	3.372	ug/l #	11
71) Bromoform	12.720	173	243	4.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	127500	33.486	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	127500	89.816	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	91	2.498	ug/l #	12
95) Naphthalene	15.515	128	654	3.198	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	219	2.447	ug/l #	21

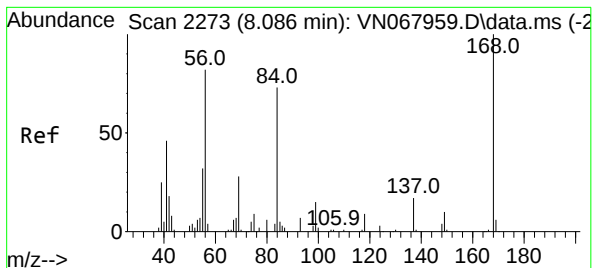
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 03:53:25 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

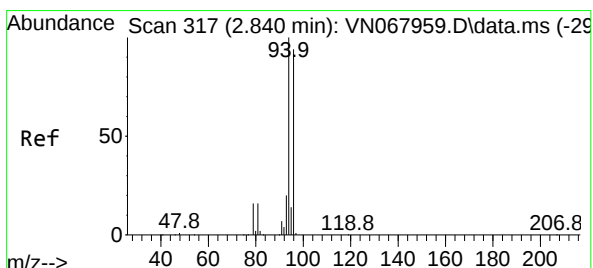
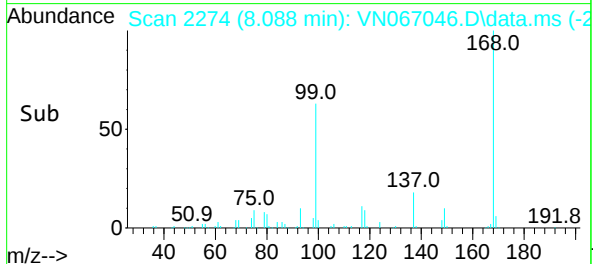
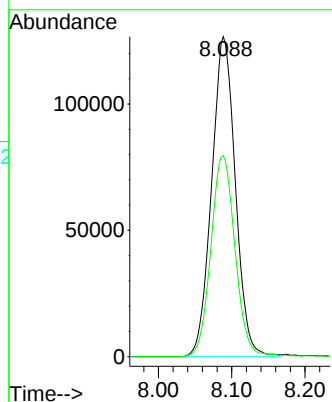
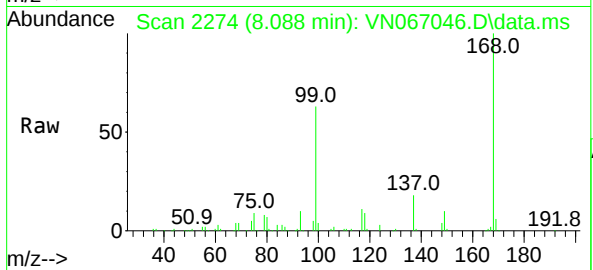




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

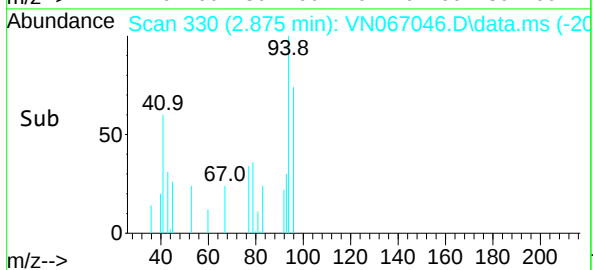
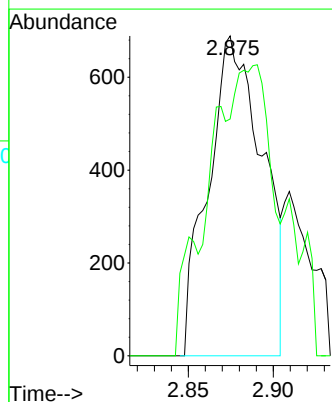
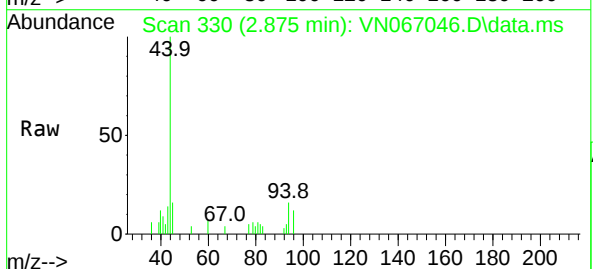
Instrument :
MSVOA_N
ClientSampled :

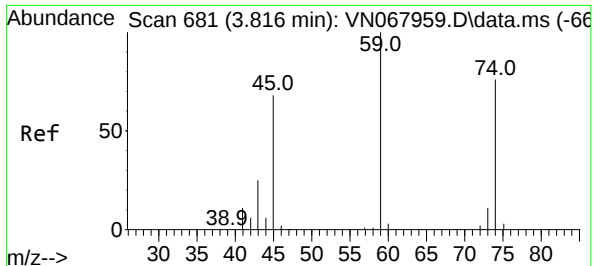
Tgt Ion:168 Resp: 284604
Ion Ratio Lower Upper
168 100
99 62.8 62.9 94.3#



#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.035 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Tgt Ion: 94 Resp: 1532
Ion Ratio Lower Upper
94 100
96 48.2 73.7 110.5#

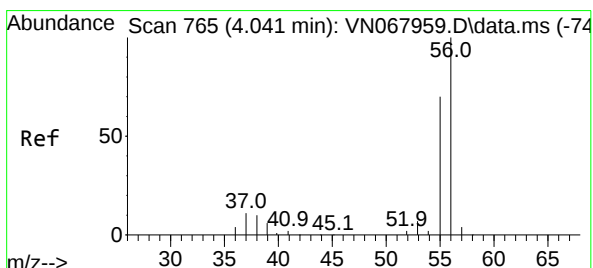
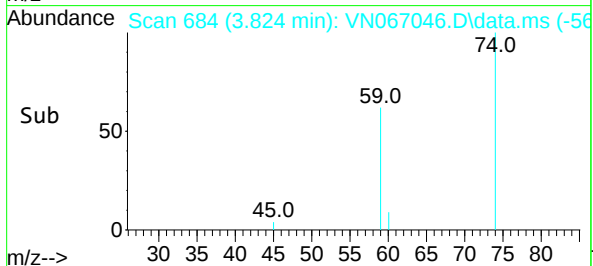
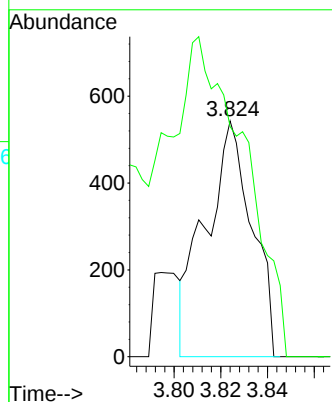
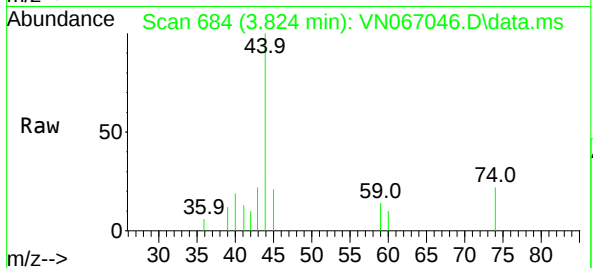




#8
Diethyl Ether
Concen: 0.386 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.008 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

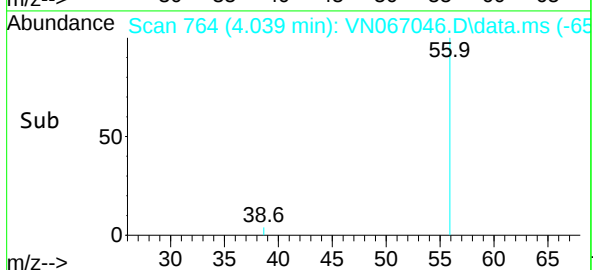
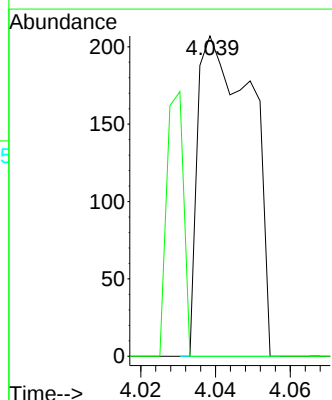
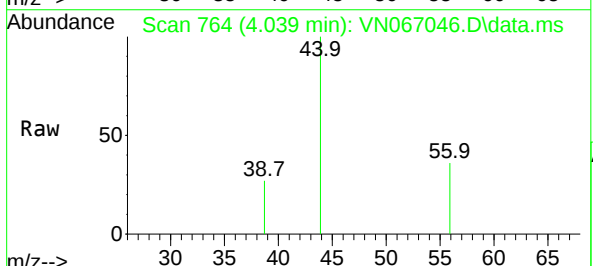
Instrument :
MSVOA_N
ClientSampled :

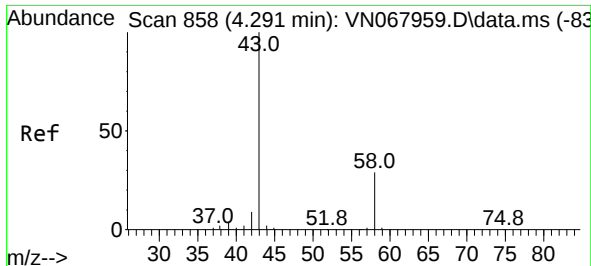
Tgt Ion: 74 Resp: 751
Ion Ratio Lower Upper
74 100
45 222.2 50.2 150.7#



#13
Acrolein
Concen: 0.557 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

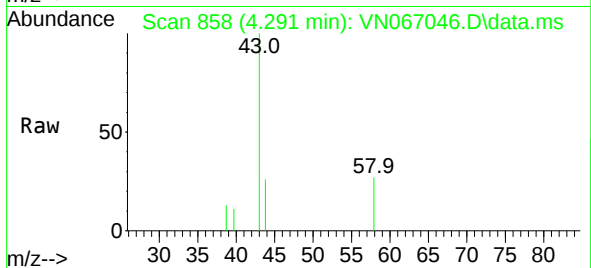
Tgt Ion: 56 Resp: 204
Ion Ratio Lower Upper
56 100
55 26.5 57.4 86.0#



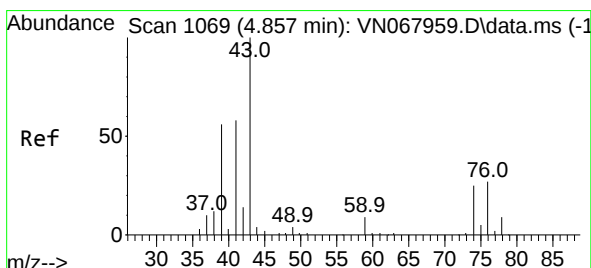
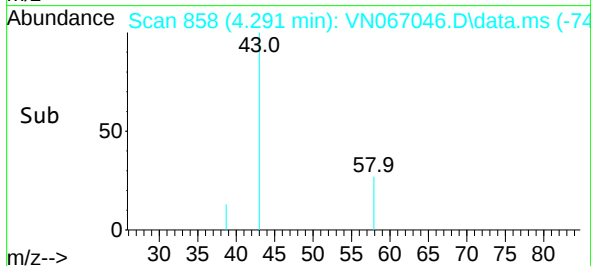
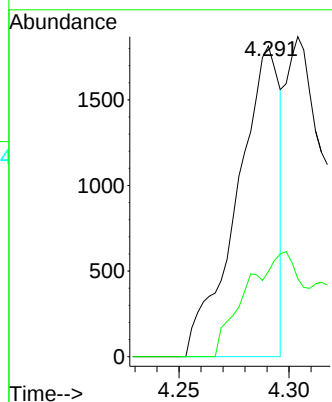


#16
Acetone
Concen: 1.663 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Instrument :
MSVOA_N
ClientSampled :

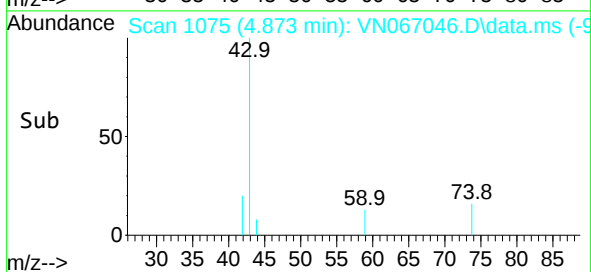
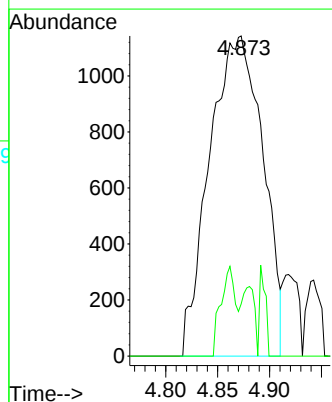
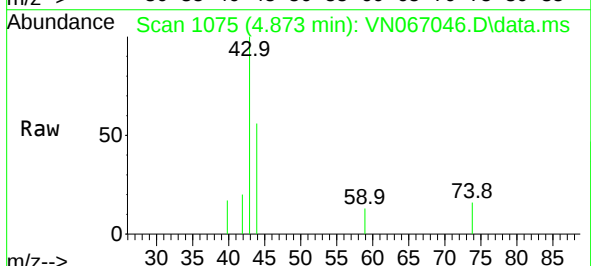


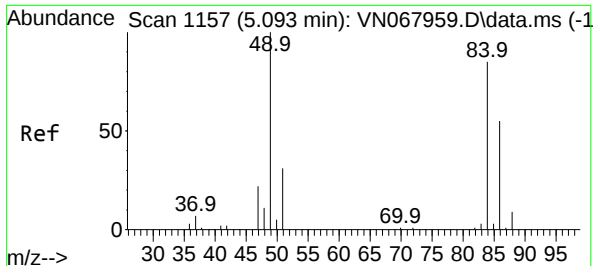
Tgt Ion: 43 Resp: 2445
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#18
Methyl Acetate
Concen: 1.054 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.016 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

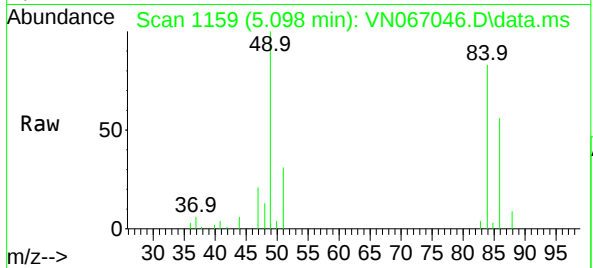
Tgt Ion: 43 Resp: 4078
Ion Ratio Lower Upper
43 100
74 5.1 17.4 26.0#



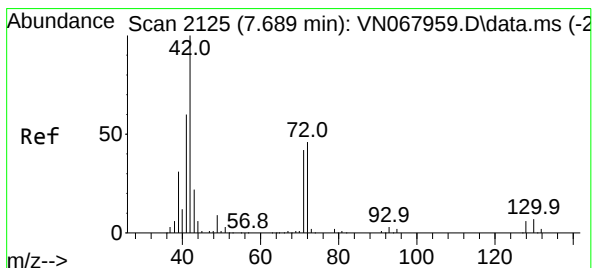
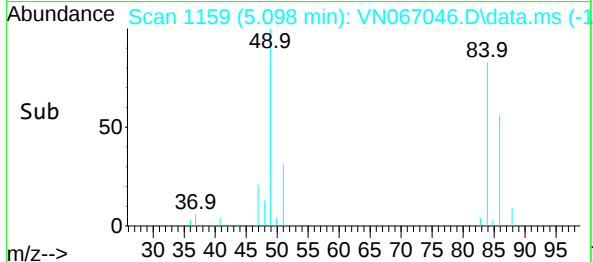
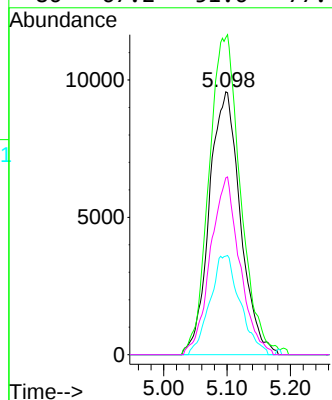


#20
Methylene Chloride
Concen: 9.346 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

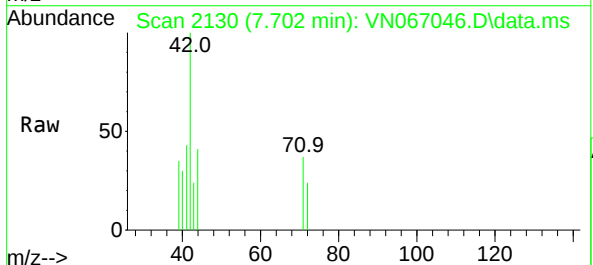
Instrument :
MSVOA_N
ClientSampled :



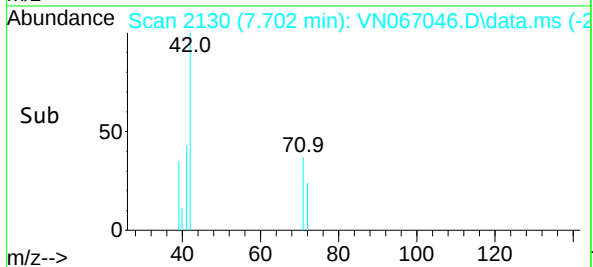
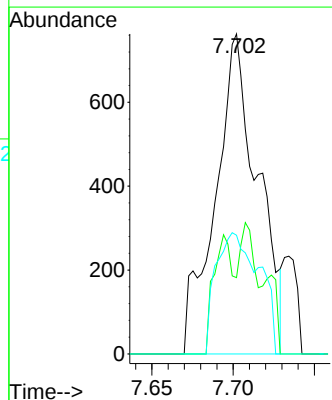
Tgt Ion:	84	Resp:	32509
Ion	Ratio	Lower	Upper
84	100		
49	120.6	110.9	166.3
51	37.5	32.6	49.0
86	67.2	51.6	77.4

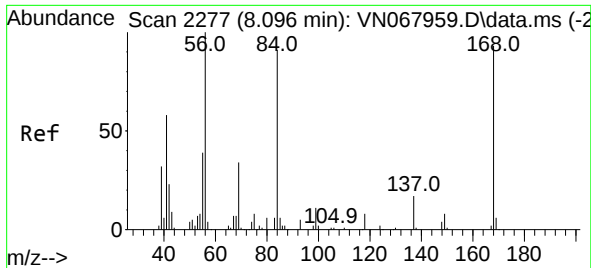


#29
Tetrahydrofuran
Concen: 1.014 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22



Tgt Ion:	42	Resp:	1385
Ion	Ratio	Lower	Upper
42	100		
72	7.4	32.8	49.2#
71	38.7	31.2	46.8

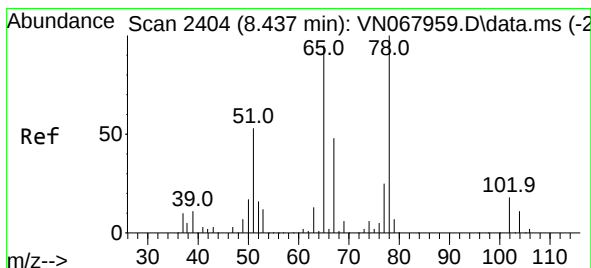
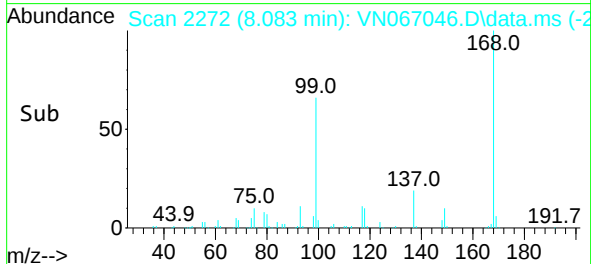
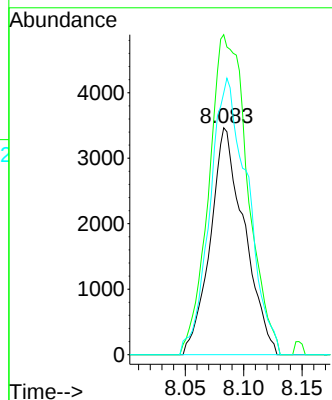
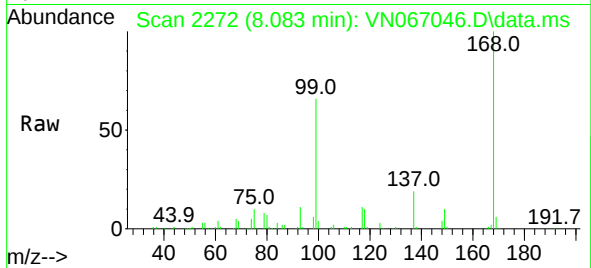




#31
Cyclohexane
Concen: 1.182 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

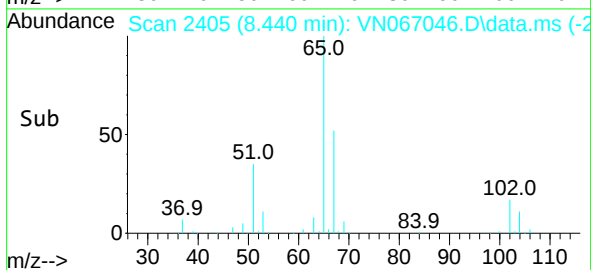
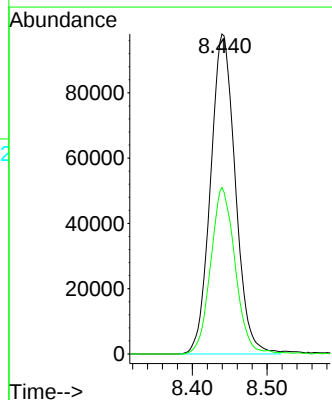
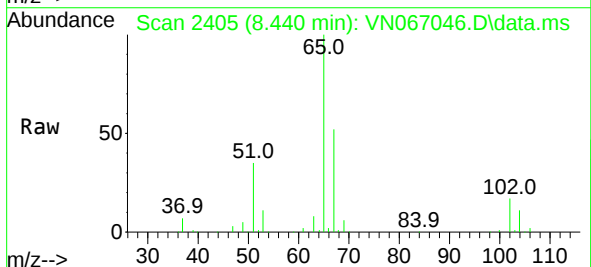
Instrument :
MSVOA_N
ClientSampleId :

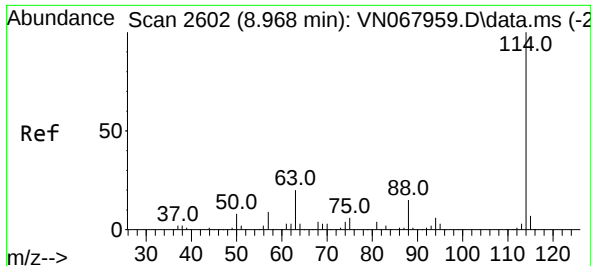
Tgt Ion: 56 Resp: 7024
Ion Ratio Lower Upper
56 100
69 141.0 27.3 40.9#
84 115.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.012 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Tgt Ion: 65 Resp: 225677
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

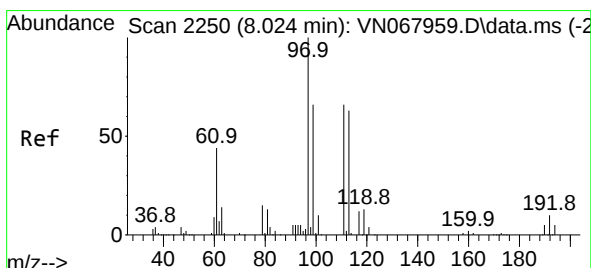
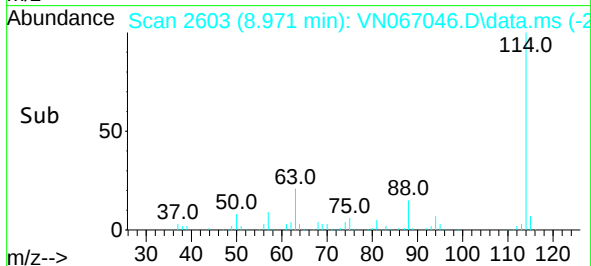
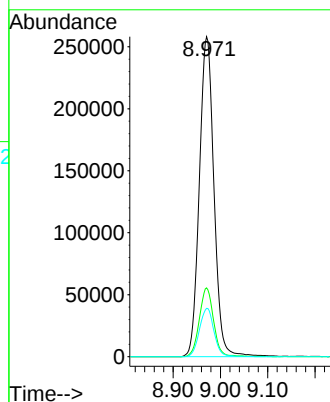
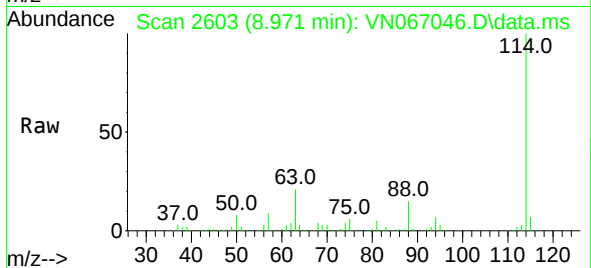




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

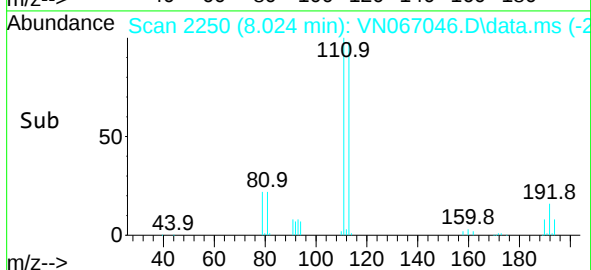
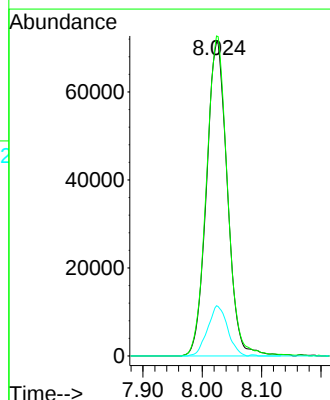
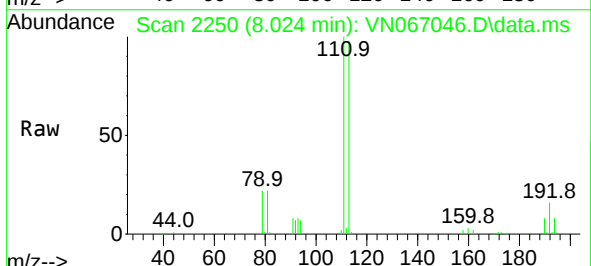
Instrument :
MSVOA_N
ClientSampled :

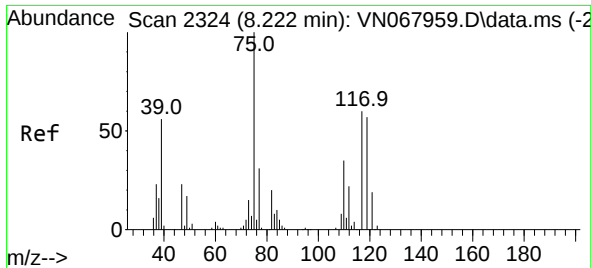
Tgt Ion:114 Resp: 554256
Ion Ratio Lower Upper
114 100
63 21.5 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 54.001 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

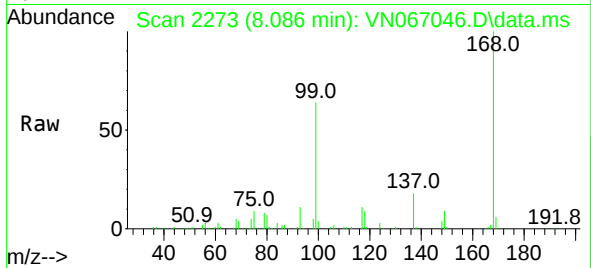
Tgt Ion:113 Resp: 174429
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 15.3 13.4 20.0



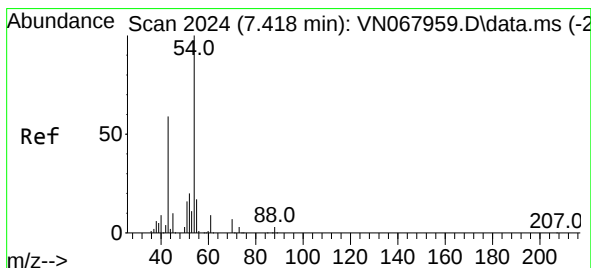
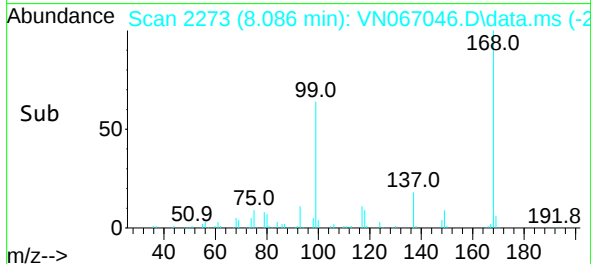
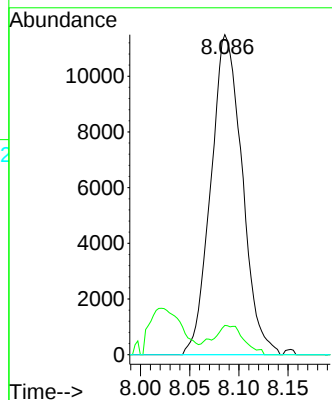


#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Instrument :
MSVOA_N
ClientSampled :

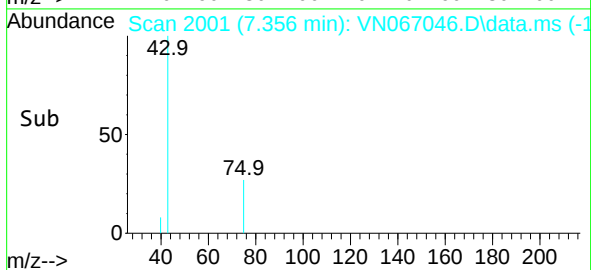
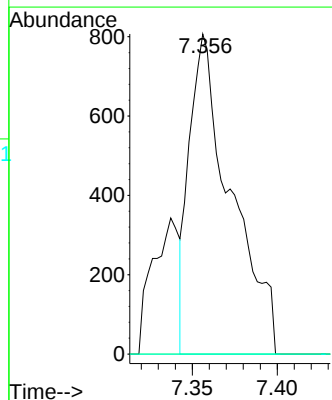
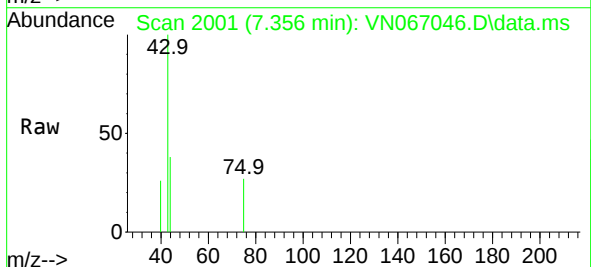


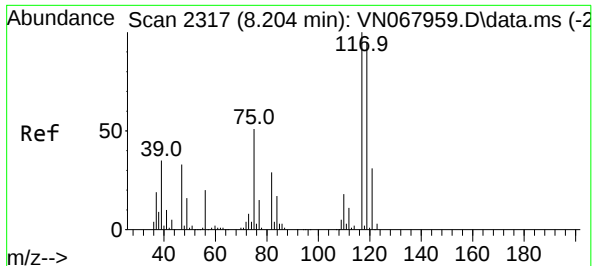
Tgt Ion: 75 Resp: 25444
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.285 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. -0.062 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

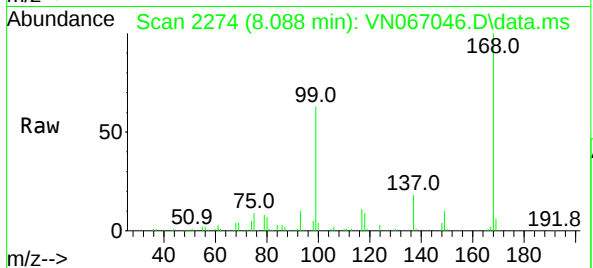
Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



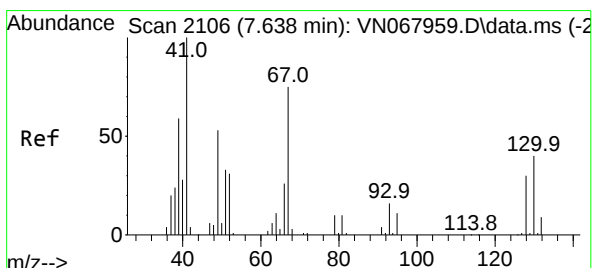
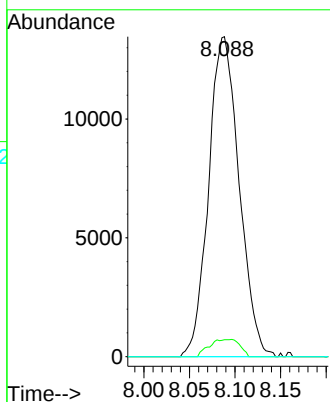
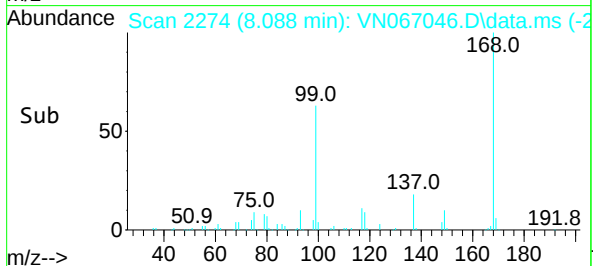


#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

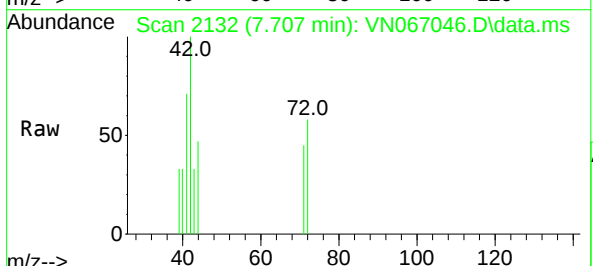
Instrument :
MSVOA_N
ClientSampleId :



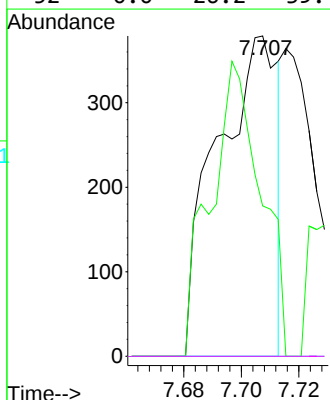
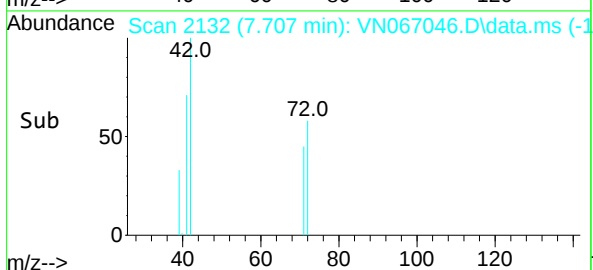
Tgt Ion:117 Resp: 31347
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

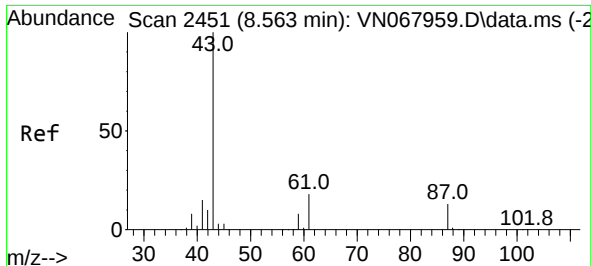


#41
Methacrylonitrile
Concen: 0.241 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.069 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22



Tgt Ion: 41 Resp: 553
Ion Ratio Lower Upper
41 100
39 76.9 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

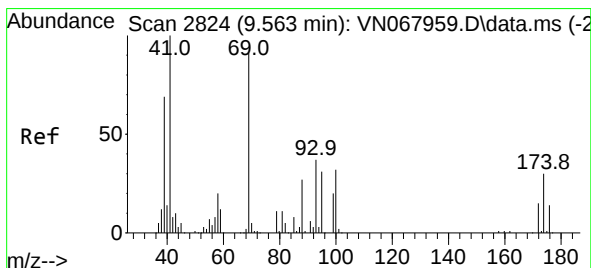
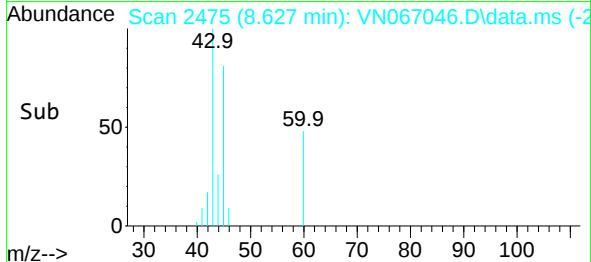
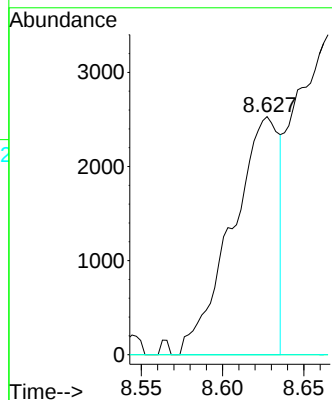
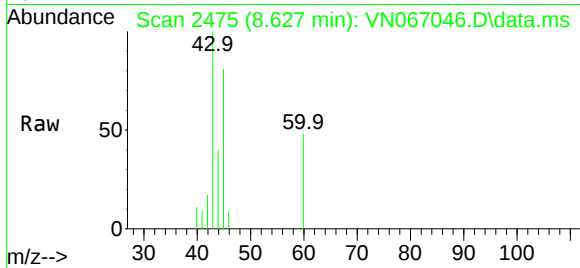




#43
Isopropyl Acetate
Concen: 0.635 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.064 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

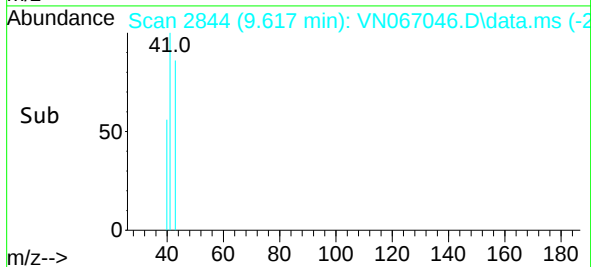
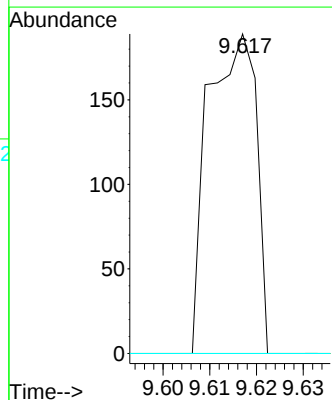
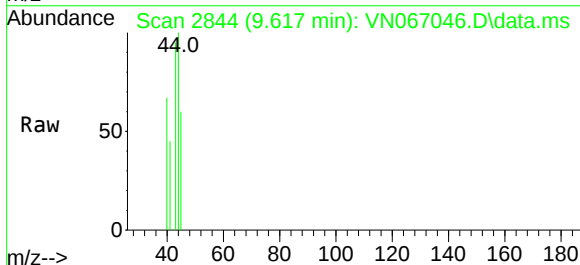
Instrument :
MSVOA_N
ClientSampled :

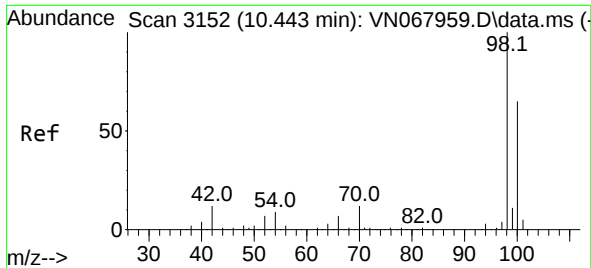
Tgt Ion: 43 Resp: 5102
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.337 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.054 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Tgt Ion: 41 Resp: 134
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

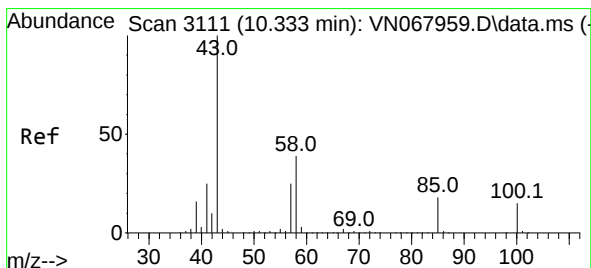
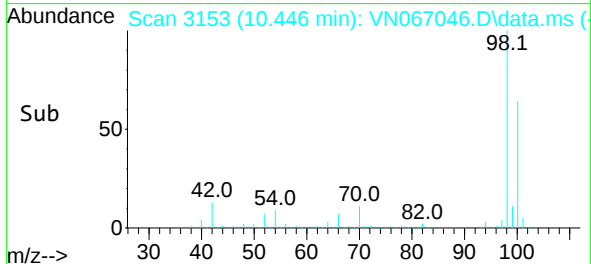
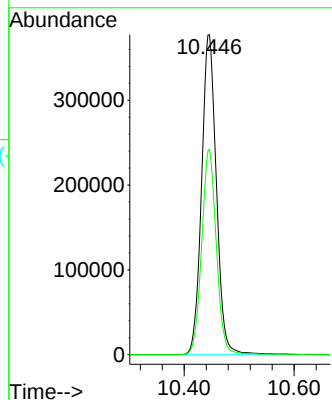
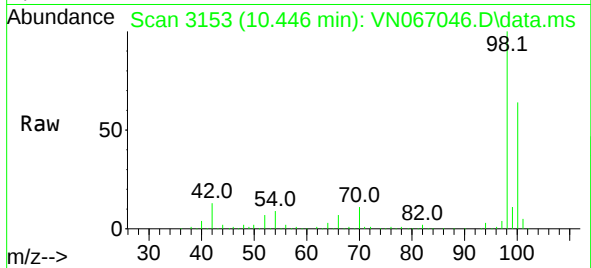




#50
Toluene-d8
Concen: 47.556 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

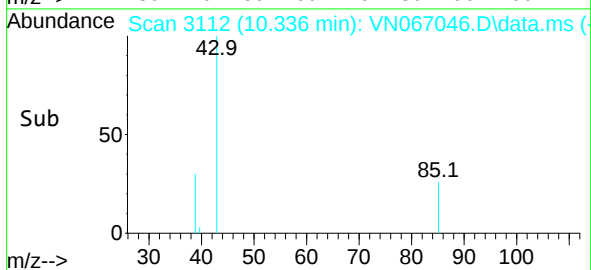
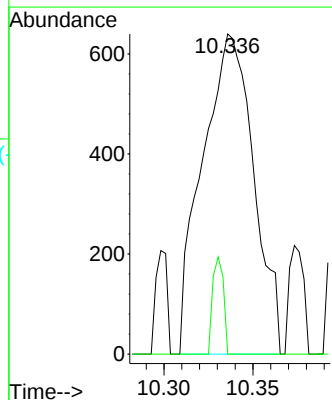
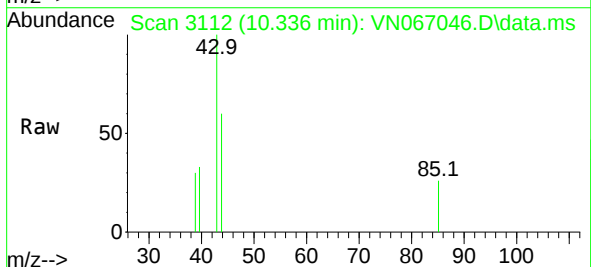
Instrument :
MSVOA_N
ClientSampled :

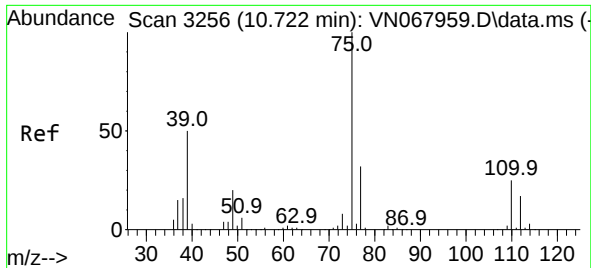
Tgt Ion: 98 Resp: 705873
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.775 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

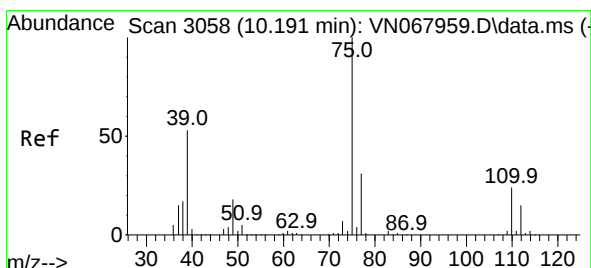
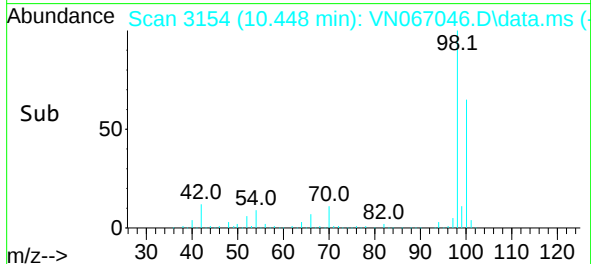
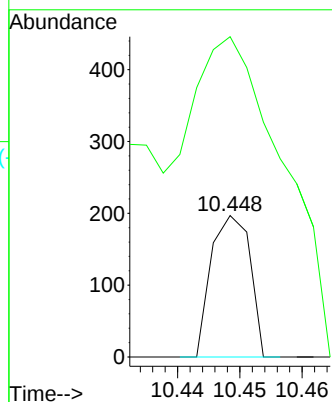
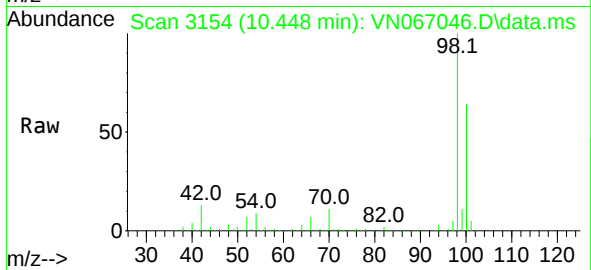




#53
 t-1,3-Dichloropropene
 Concen: 2.845 ug/l
 RT: 10.448 min Scan# 3154
 Delta R.T. -0.274 min
 Lab File: VN067046.D
 Acq: 9 Aug 2021 18:22

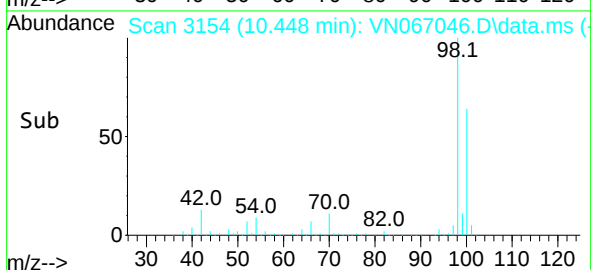
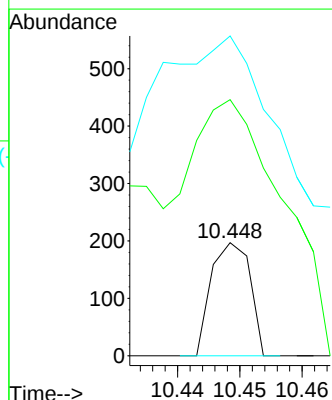
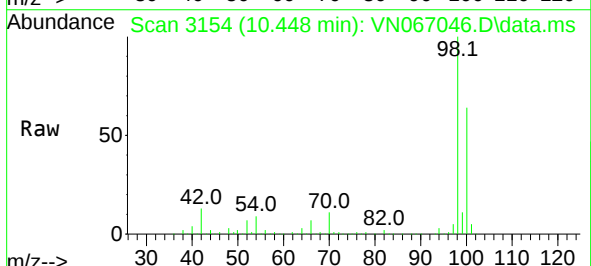
Instrument :
 MSVOA_N
 ClientSampled :

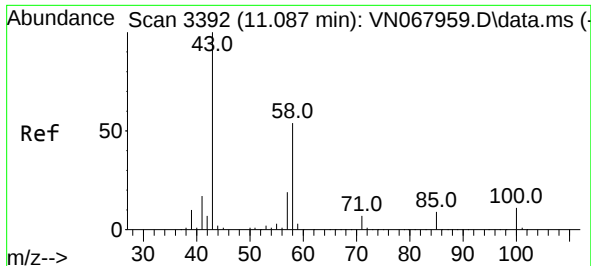
Tgt Ion: 75 Resp: 85
 Ion Ratio Lower Upper
 75 100
 77 86.3 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 2.367 ug/l
 RT: 10.448 min Scan# 3154
 Delta R.T. 0.257 min
 Lab File: VN067046.D
 Acq: 9 Aug 2021 18:22

Tgt Ion: 75 Resp: 85
 Ion Ratio Lower Upper
 75 100
 77 86.3 24.6 37.0#
 39 82.7 50.7 76.1#

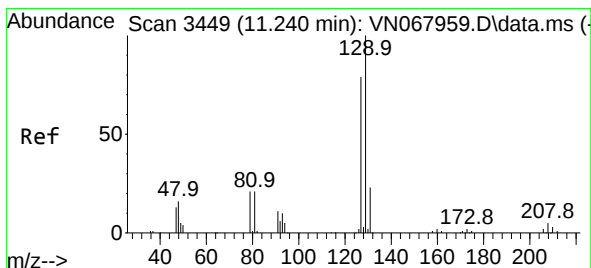
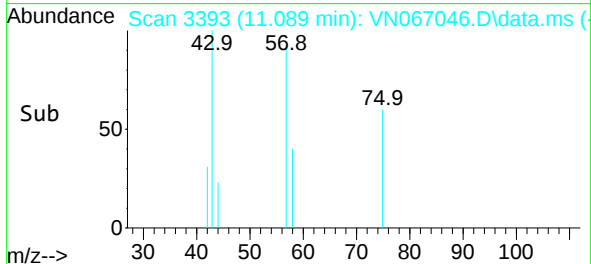
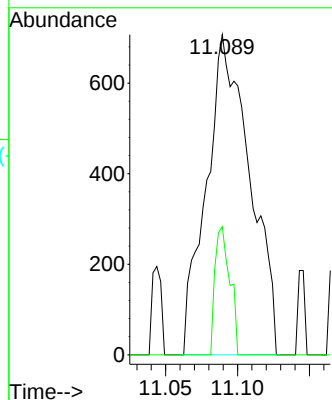
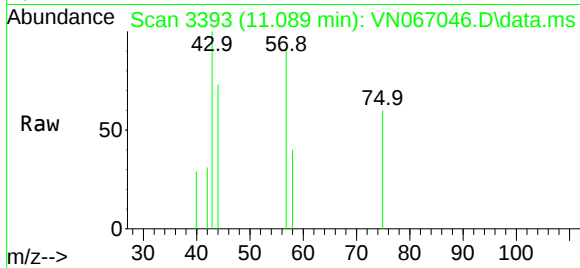




#59
2-Hexanone
Concen: 13.626 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

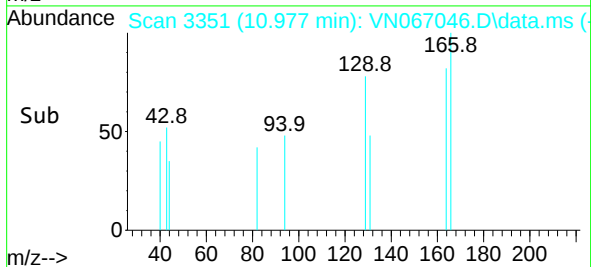
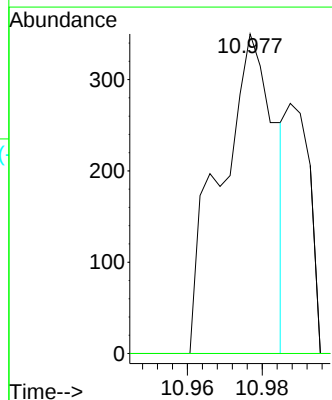
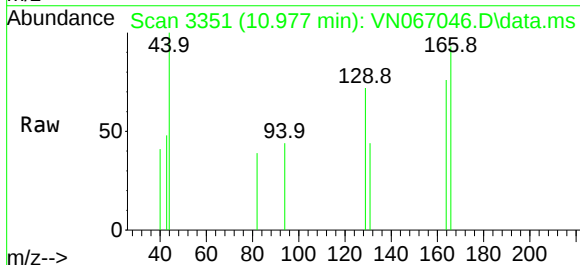
Instrument :
MSVOA_N
ClientSampled :

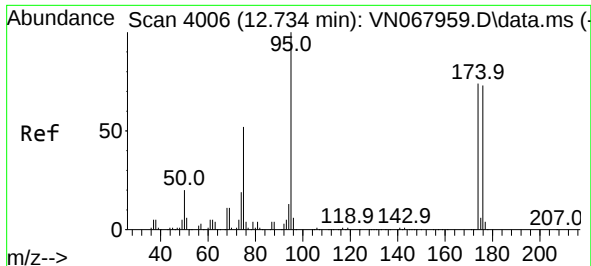
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 13.6 24.7 74.1#



#60
Dibromochloromethane
Concen: 3.372 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

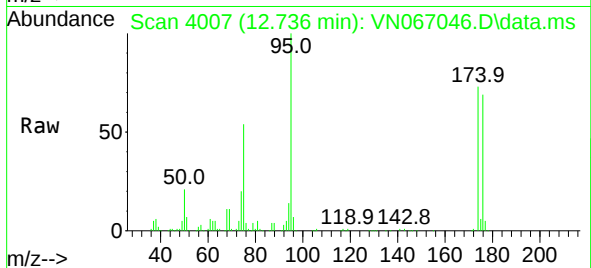
Tgt Ion:129 Resp: 354
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



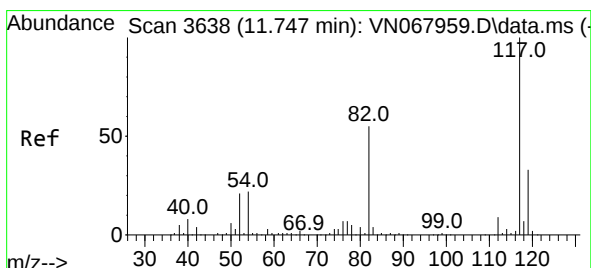
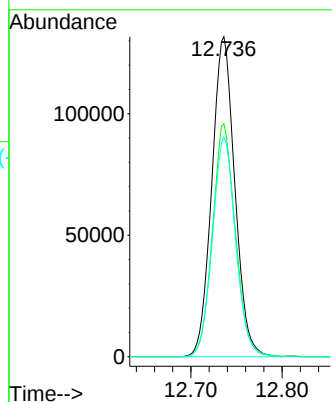
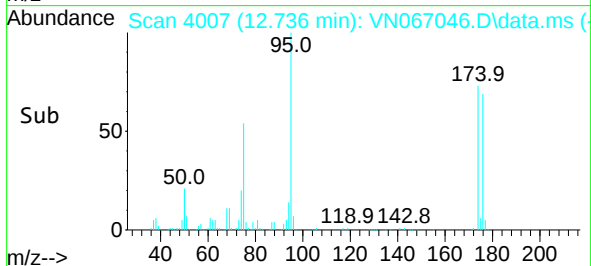


#62
4-Bromofluorobenzene
Concen: 43.111 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

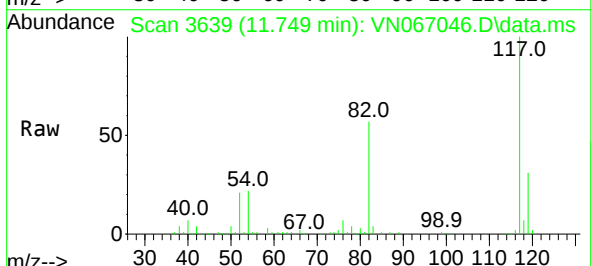
Instrument :
MSVOA_N
ClientSampled :



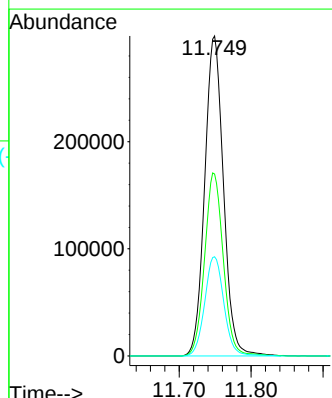
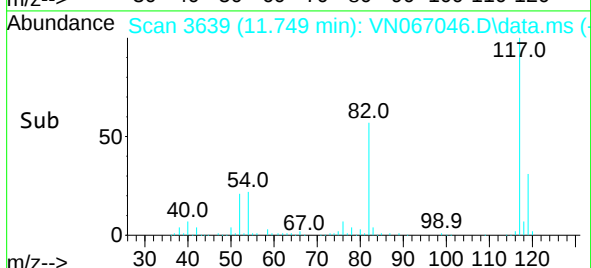
Tgt Ion: 95 Resp: 231082
Ion Ratio Lower Upper
95 100
174 72.2 0.0 122.0
176 69.3 0.0 117.6

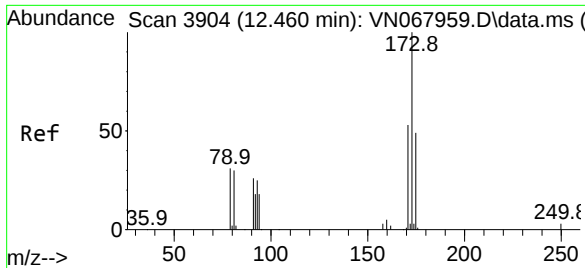


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22



Tgt Ion: 117 Resp: 543028
Ion Ratio Lower Upper
117 100
82 56.9 53.1 79.7
119 31.0 25.5 38.3

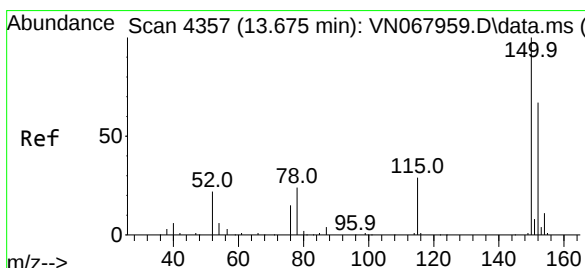
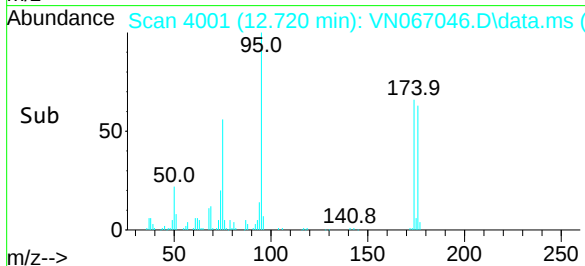
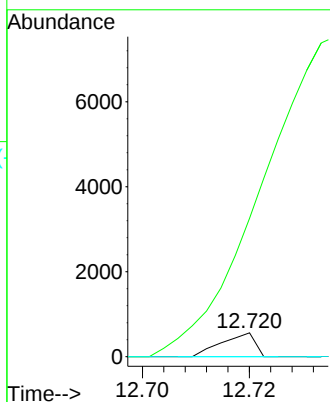
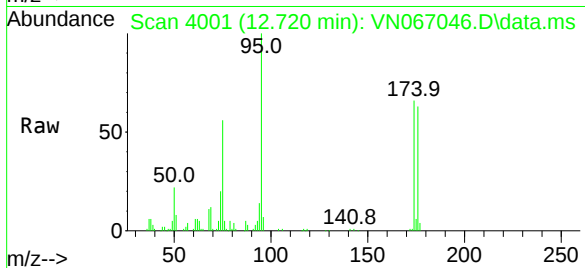




#71
Bromoform
Concen: 4.095 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

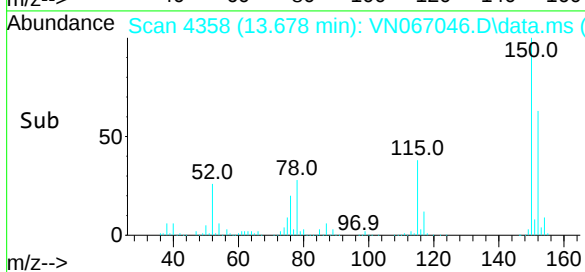
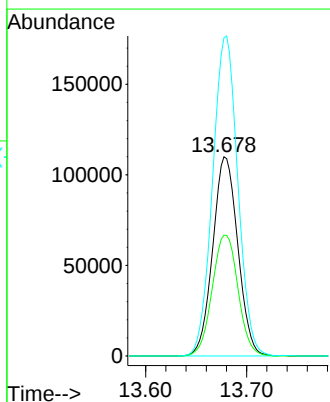
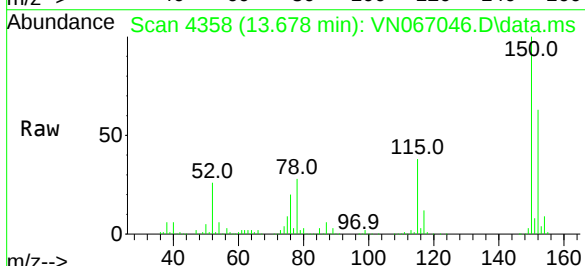
Instrument :
MSVOA_N
ClientSampled :

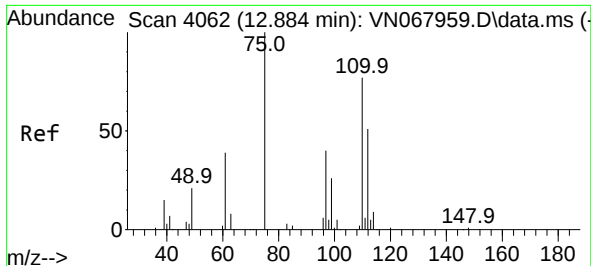
Tgt Ion:173 Resp: 243
Ion Ratio Lower Upper
173 100
175 4875.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

Tgt Ion:152 Resp: 189594
Ion Ratio Lower Upper
152 100
115 62.5 36.1 108.5
150 161.3 0.0 351.8

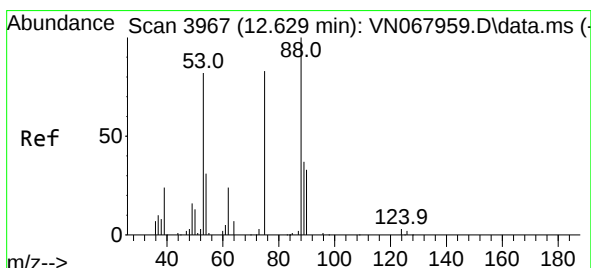
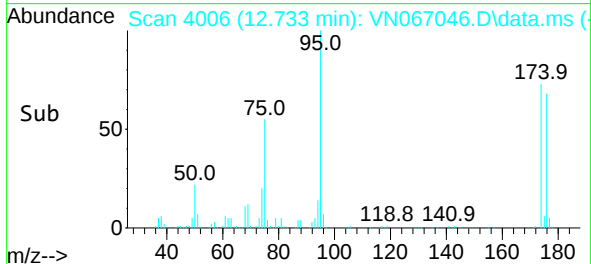
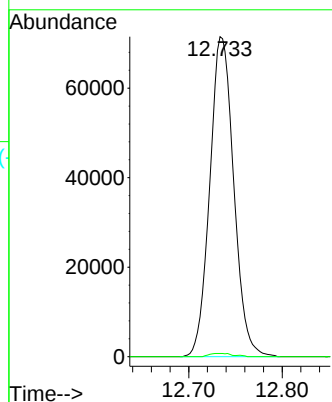
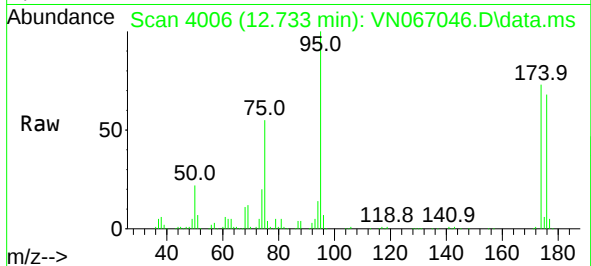




#76
1,2,3-Trichloropropane
Concen: 33.486 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

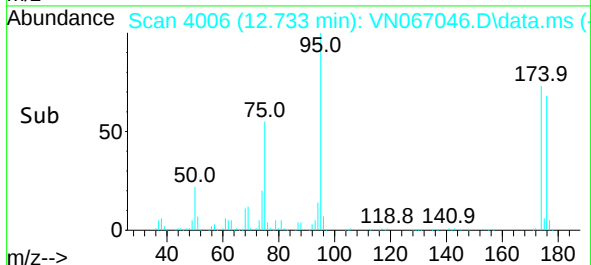
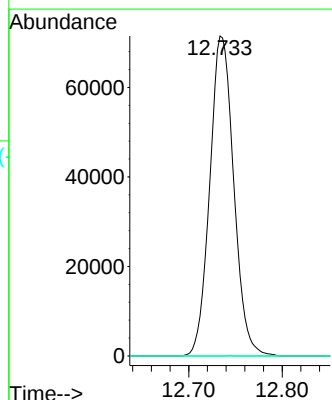
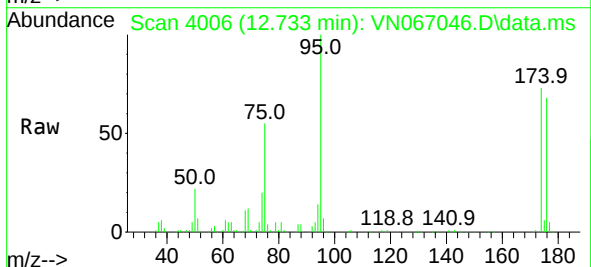
Instrument :
MSVOA_N
ClientSampled :

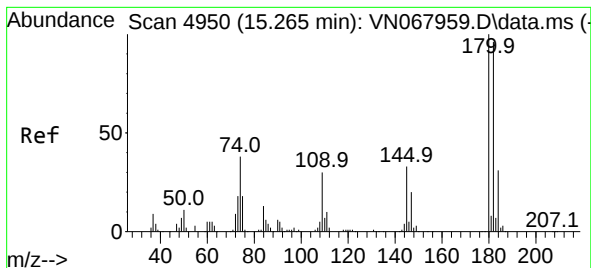
Tgt Ion: 75 Resp: 127500
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.816 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

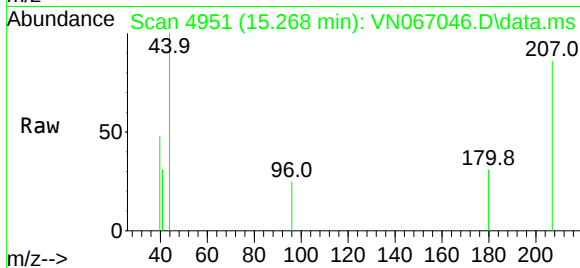
Tgt Ion: 75 Resp: 127500
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



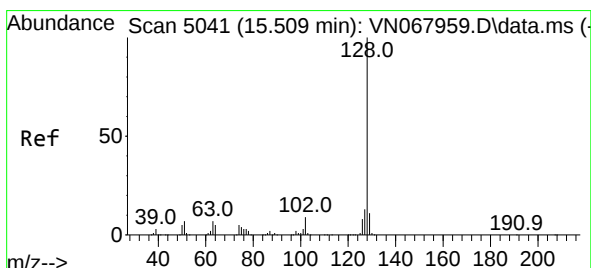
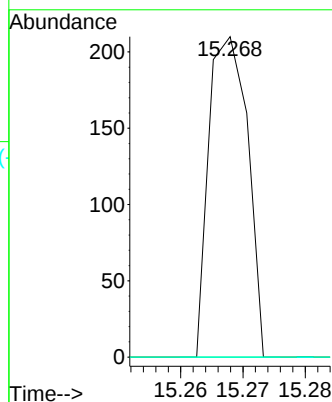
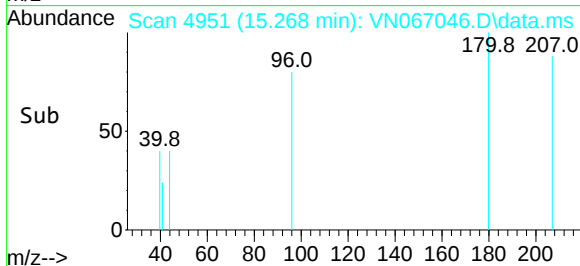


#93
1,2,4-Trichlorobenzene
Concen: 2.498 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22

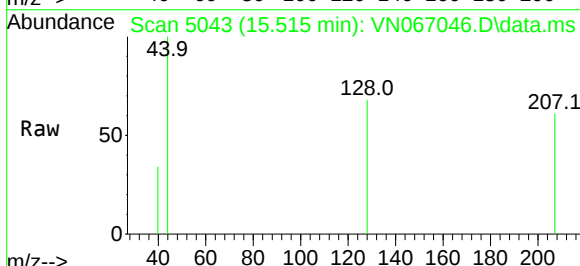
Instrument :
MSVOA_N
ClientSampled :



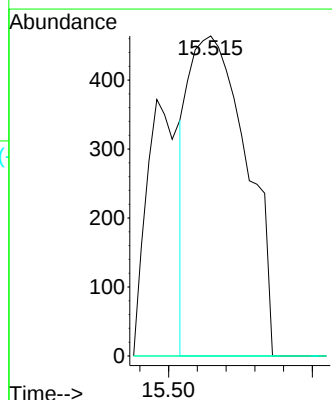
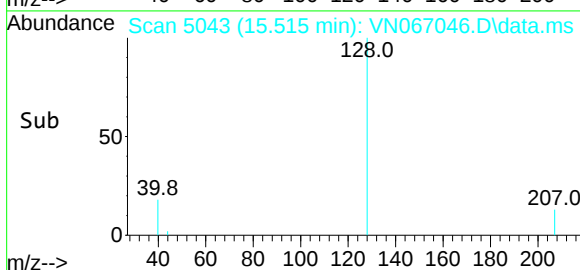
Tgt Ion:180 Resp: 91
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#

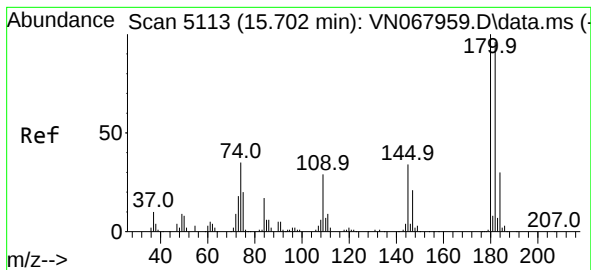


#95
Naphthalene
Concen: 3.198 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067046.D
Acq: 9 Aug 2021 18:22



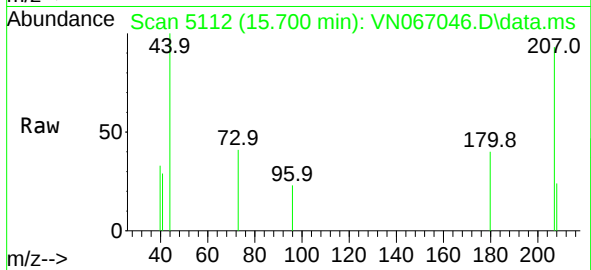
Tgt Ion:128 Resp: 654
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.447 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067046.D
 Acq: 9 Aug 2021 18:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 219
 Ion Ratio Lower Upper
 180 100
 182 12.3 47.8 143.3#
 145 0.0 18.2 54.6#

