

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067909.D
 Acq On : 26 Jul 2021 16:02
 Operator : JC/MD
 Sample : M3160-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:30:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

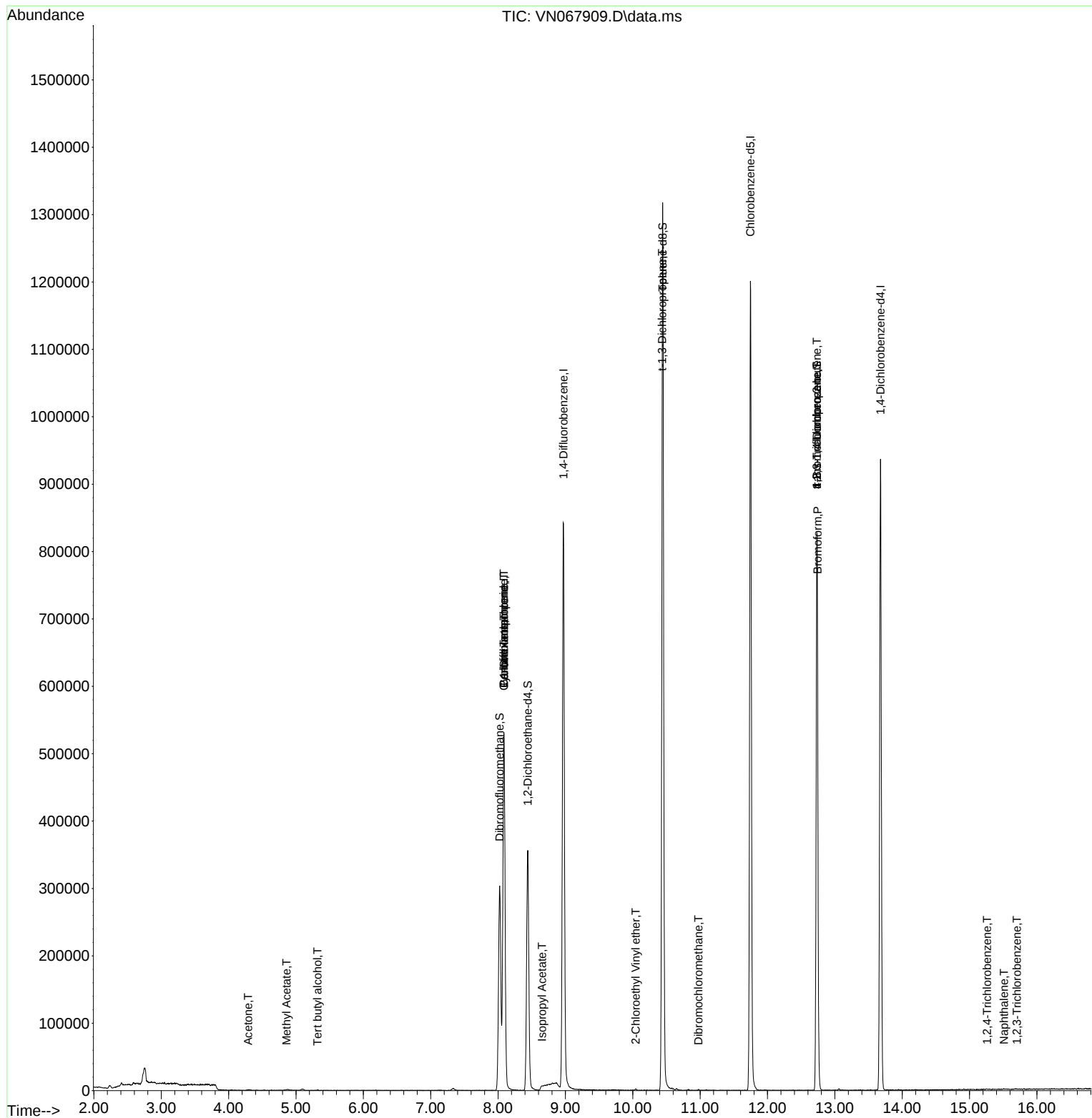
Internal Standards						
1) Pentafluorobenzene	8.086	168	376723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	730954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	687097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	240821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	302277	53.092	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.180%			
35) Dibromofluoromethane	8.024	113	221938	50.255	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.500%			
50) Toluene-d8	10.443	98	910250	49.242	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.734	95	295557	45.261	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.520%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	91	Below Cal		88
6) Chloroethane	3.062	64	52	Below Cal	#	44
11) Tert butyl alcohol	5.318	59	277	0.339 ug/l	#	71
13) Acrolein	4.047	56	262	Below Cal	#	39
16) Acetone	4.291	43	845	0.472 ug/l	#	48
18) Methyl Acetate	4.859	43	1434	0.285 ug/l	#	78
20) Methylene Chloride	5.098	84	248	Below Cal	#	18
31) Cyclohexane	8.088	56	10546	1.321 ug/l	#	29
36) 1,1-Dichloropropene	8.086	75	34563	5.090 ug/l	#	52
38) Carbon Tetrachloride	8.086	117	42260	6.310 ug/l	#	17
43) Isopropyl Acetate	8.652	43	3982	0.344 ug/l	#	58
53) t-1,3-Dichloropropene	10.435	75	99	1.756 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	10.044	63	723	17.335 ug/l	#	66
60) Dibromochloromethane	10.974	129	409	2.419 ug/l	#	11
71) Bromoform	12.742	173	977	3.384 ug/l	#	1
76) 1,2,3-Trichloropropane	12.734	75	166722	33.900 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.734	75	166722	109.298 ug/l	#	6
93) 1,2,4-Trichlorobenzene	15.260	180	57	2.688 ug/l	#	12
95) Naphthalene	15.509	128	1366	3.121 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.703	180	184	2.678 ug/l	#	67

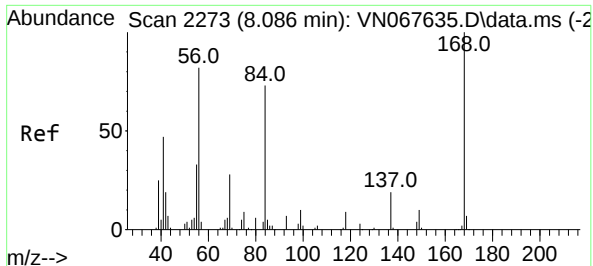
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

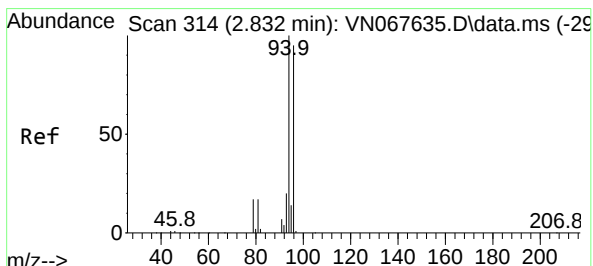
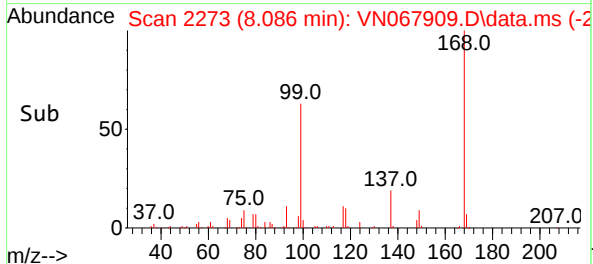
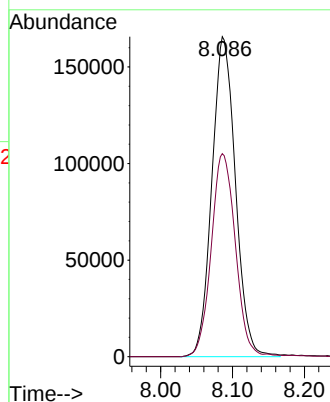
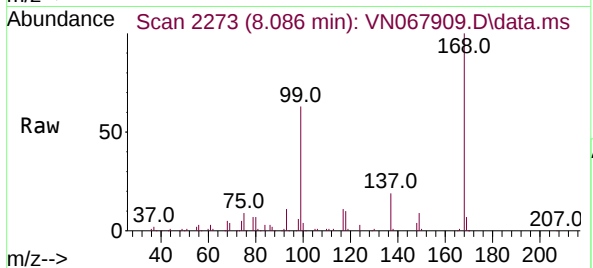




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

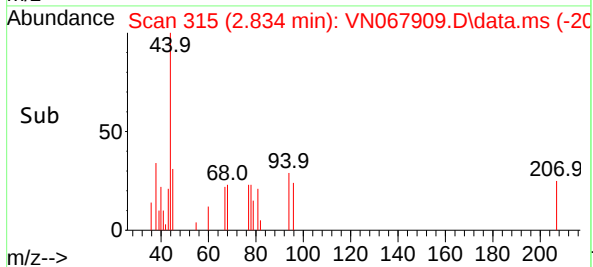
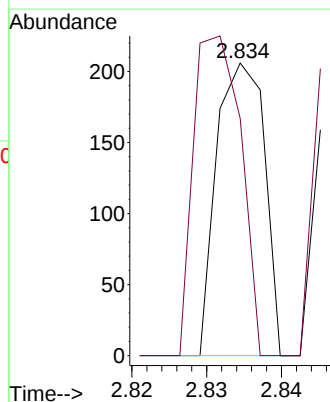
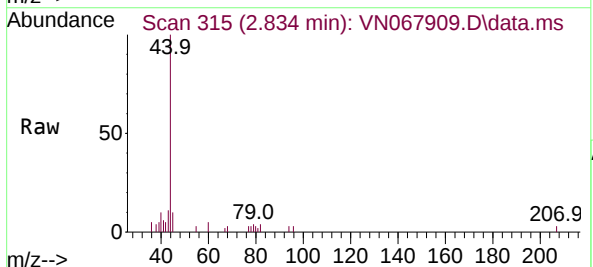
Instrument :
MSVOA_N
ClientSampleId :

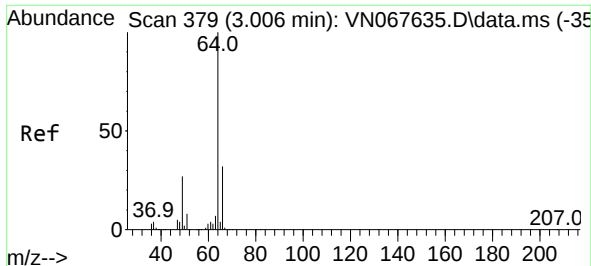
Tgt Ion:168 Resp: 376723
Ion Ratio Lower Upper
168 100
99 63.5 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 315
Delta R.T. 0.002 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 81.1 73.7 110.5

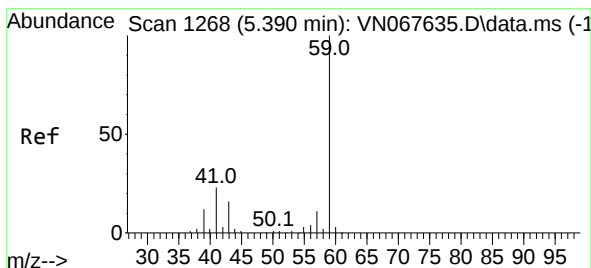
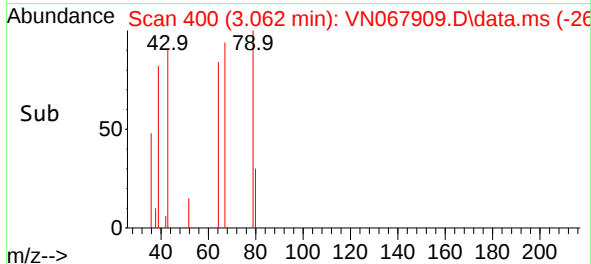
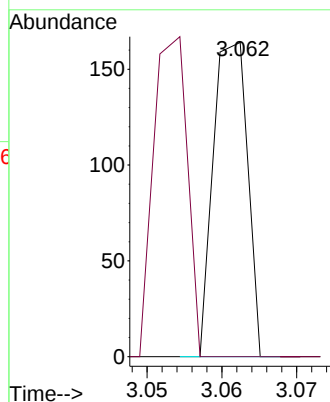
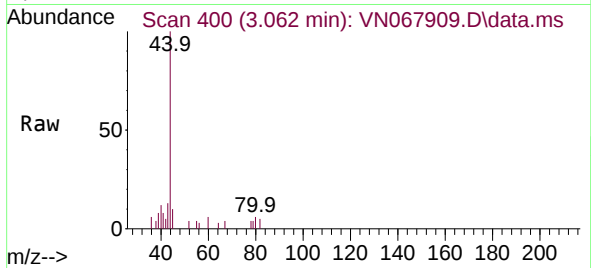




#6
Chloroethane
Concen: Below Cal
RT: 3.062 min Scan# 400
Delta R.T. 0.056 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

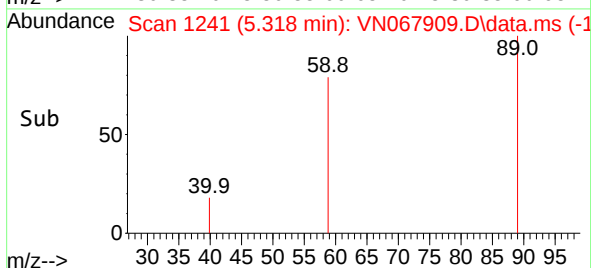
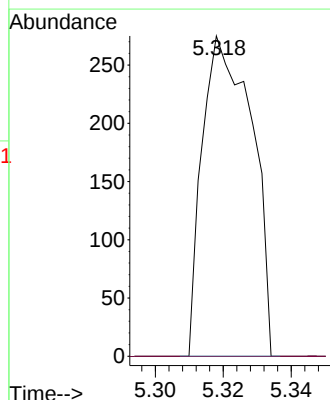
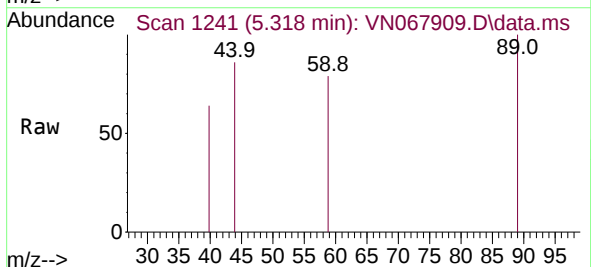
Instrument :
MSVOA_N
ClientSampled :

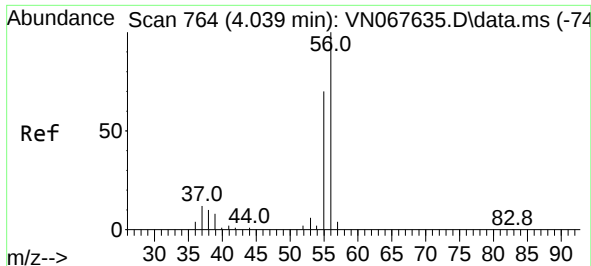
Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.339 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

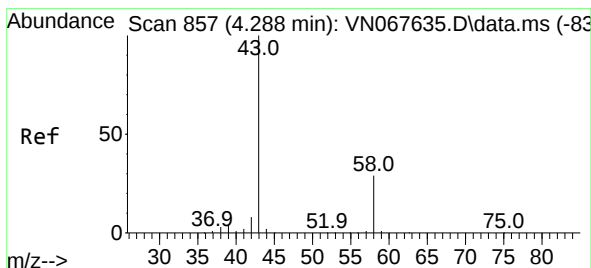
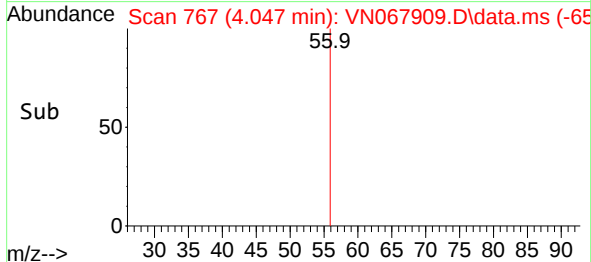
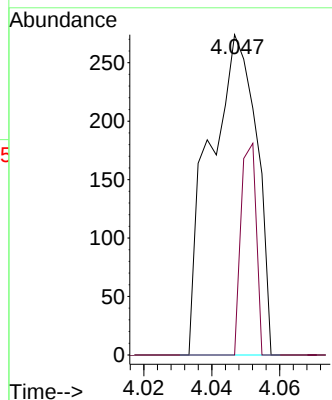
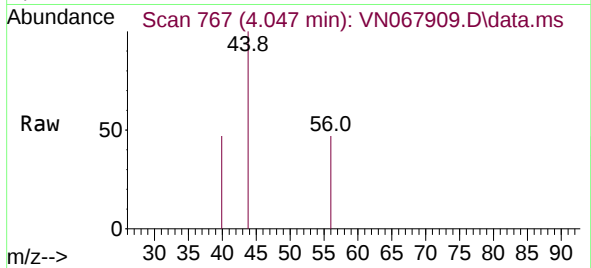




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

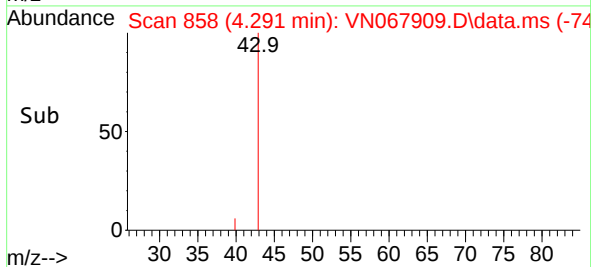
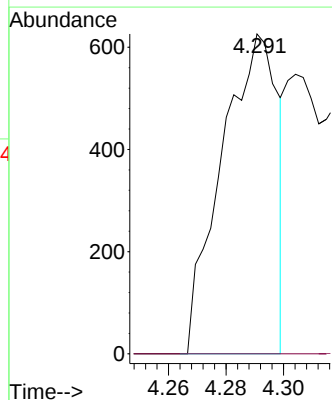
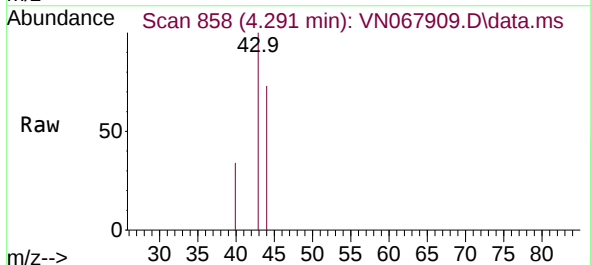
Instrument :
MSVOA_N
ClientSampled :

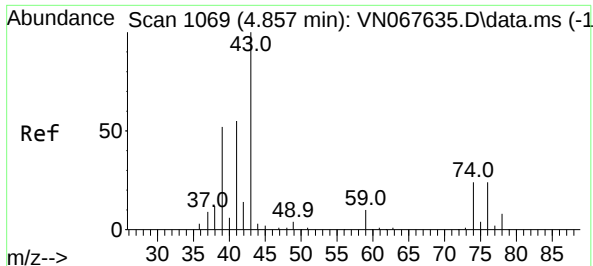
Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 21.4 57.4 86.0#



#16
Acetone
Concen: 0.472 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

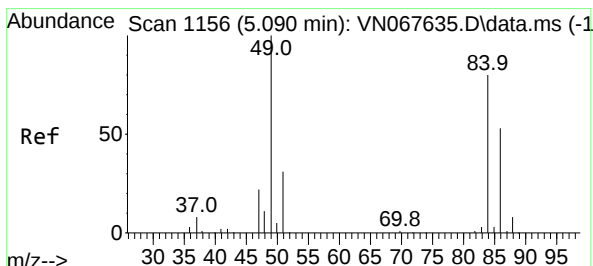
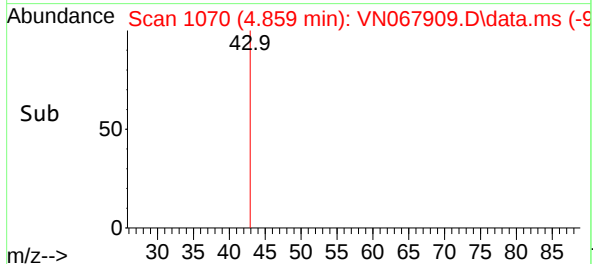
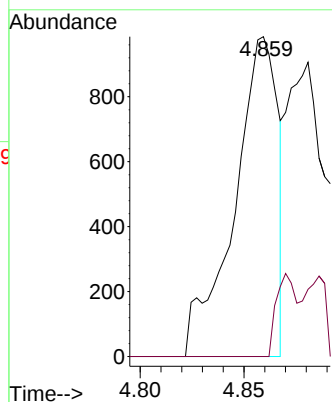
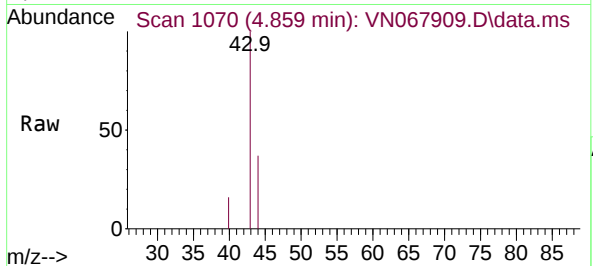




#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

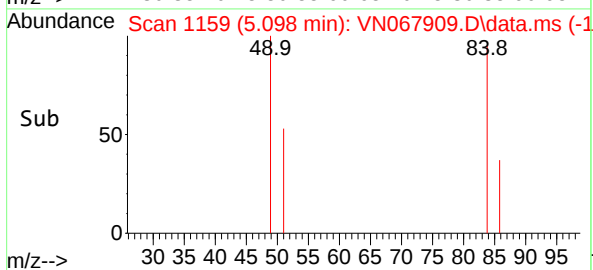
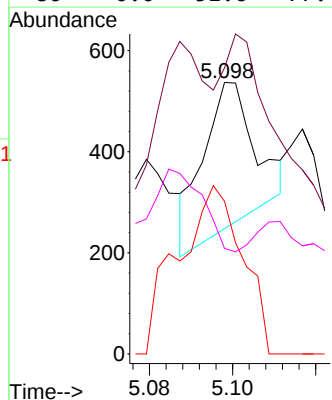
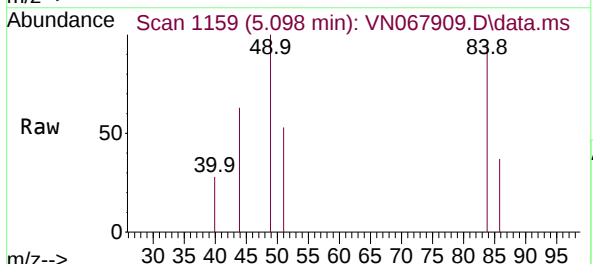
Instrument :
MSVOA_N
ClientSampled :

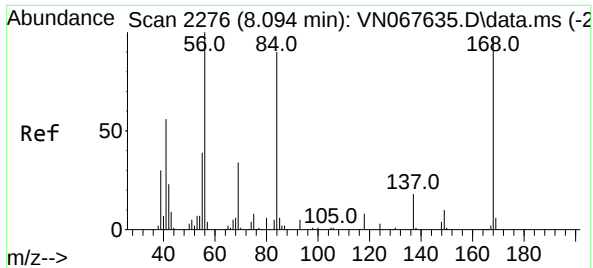
Tgt Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
74 11.4 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 84 Resp: 248
Ion Ratio Lower Upper
84 100
49 65.0 110.9 166.3#
51 137.3 32.6 49.0#
86 0.0 51.6 77.4#

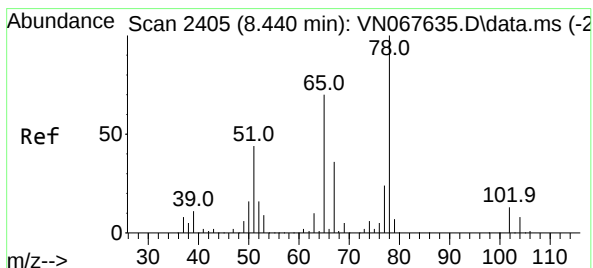
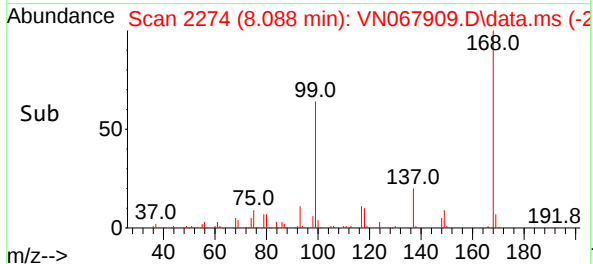
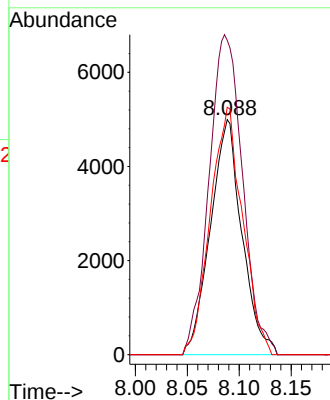
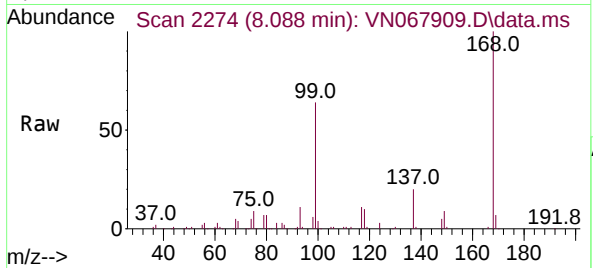




#31
Cyclohexane
Concen: 1.321 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

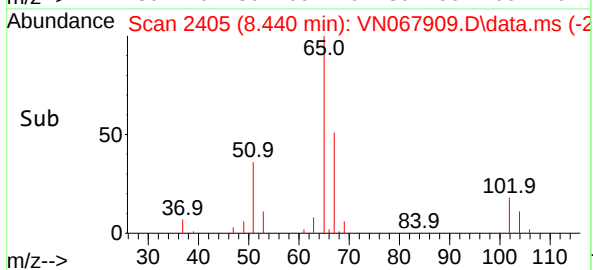
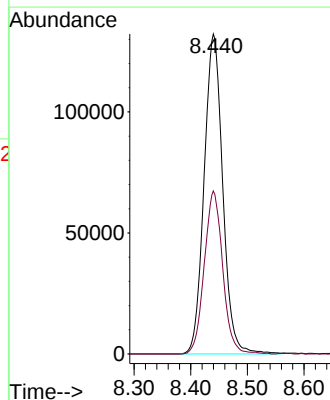
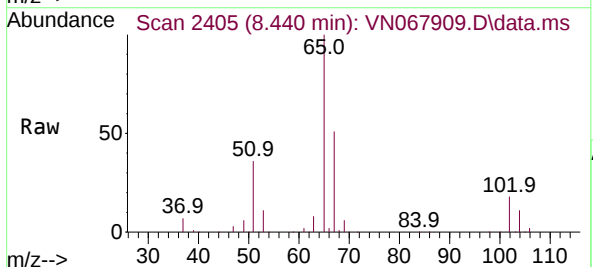
Instrument :
MSVOA_N
ClientSampleId :

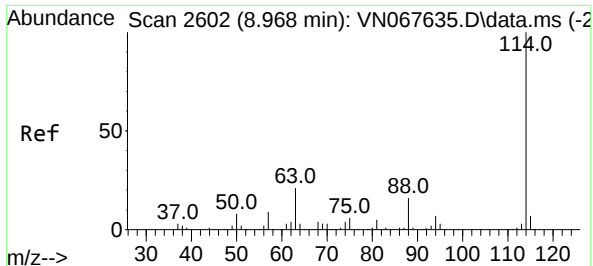
Tgt Ion:	56	Resp:	10546
Ion Ratio	Lower	Upper	
56	100		
69	133.7	27.3	40.9#
84	105.3	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.092 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion:	65	Resp:	302277
Ion Ratio	Lower	Upper	
65	100		
67	50.4	0.0	98.6

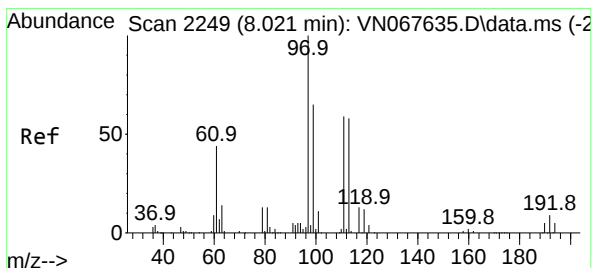
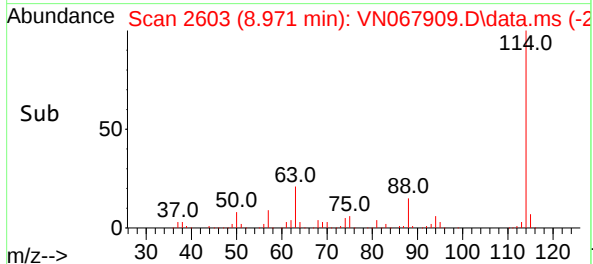
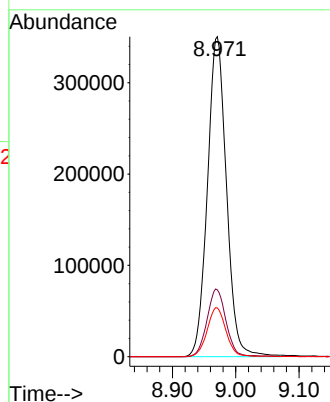
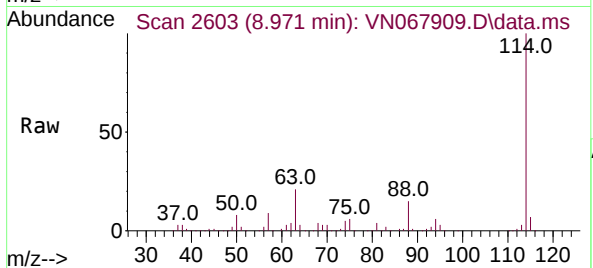




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

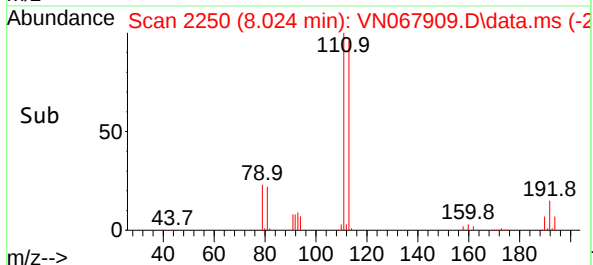
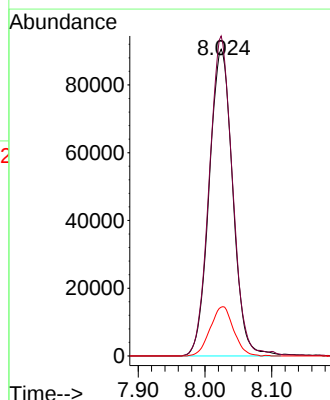
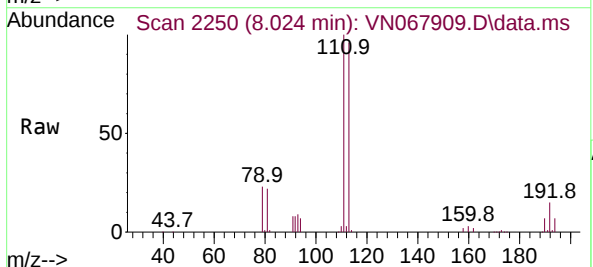
Instrument :
MSVOA_N
ClientSampled :

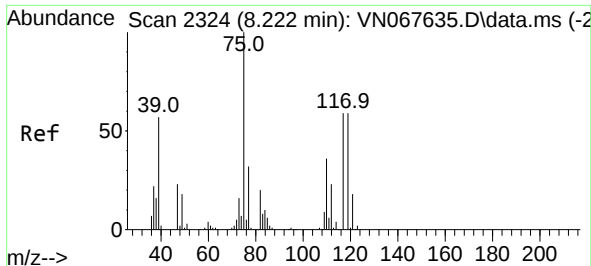
Tgt Ion:114 Resp: 730954
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.255 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion:113 Resp: 221938
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 16.0 13.4 20.0

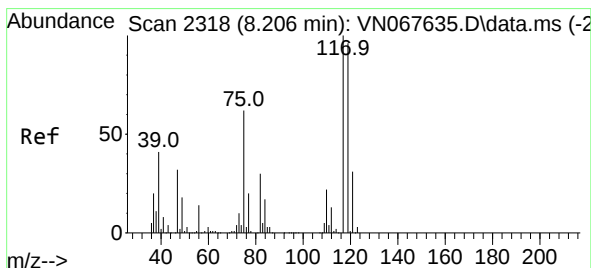
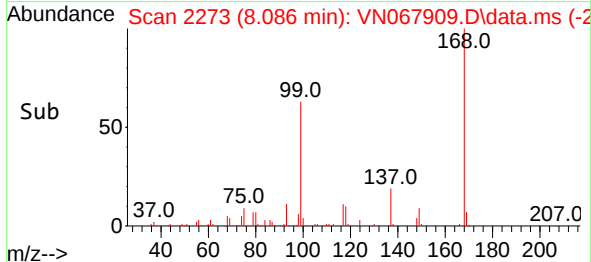
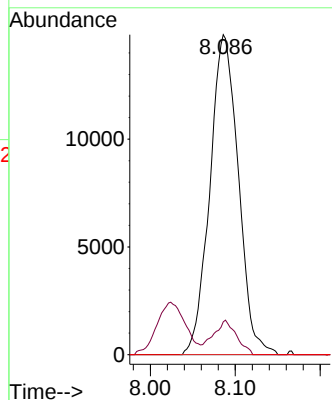
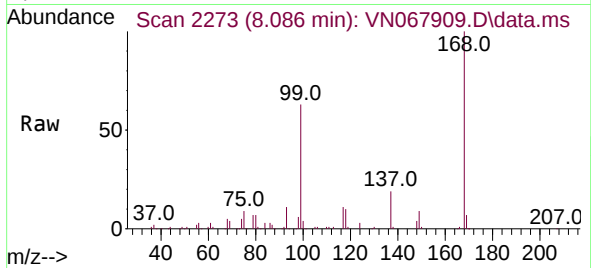




#36
1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

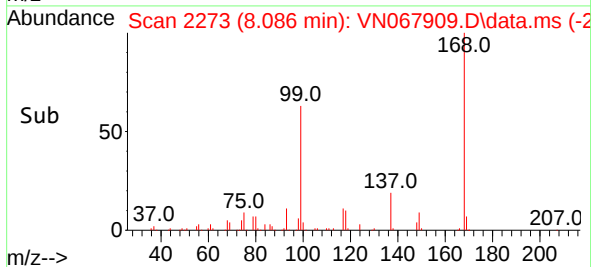
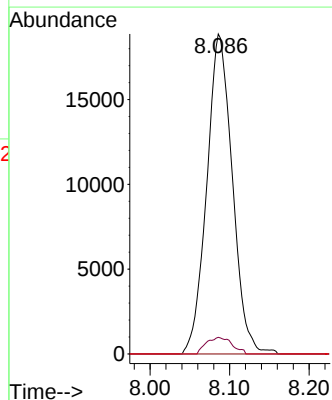
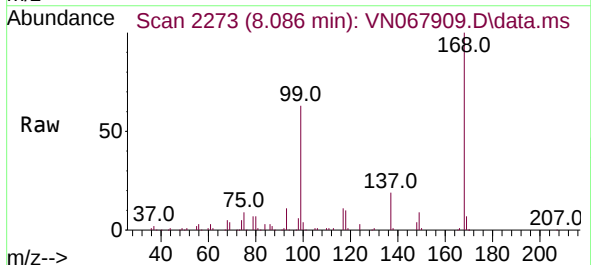
Instrument :
MSVOA_N
ClientSampled :

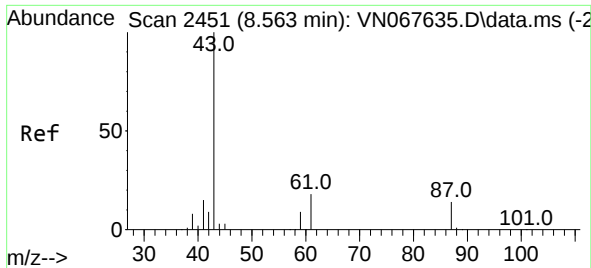
Tgt Ion: 75 Resp: 34563
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 117 Resp: 42260
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

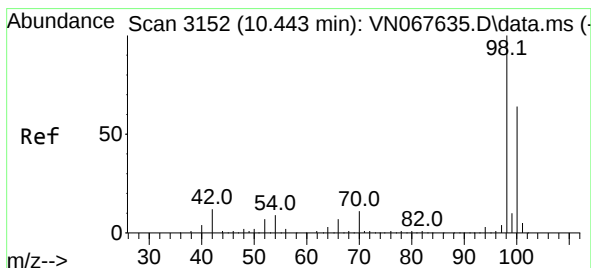
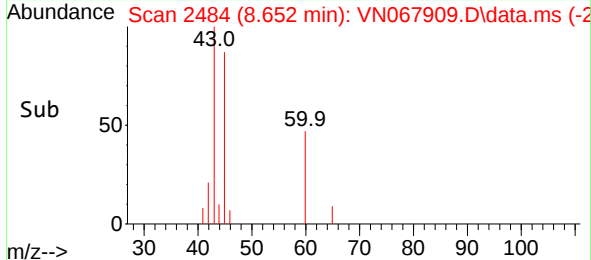
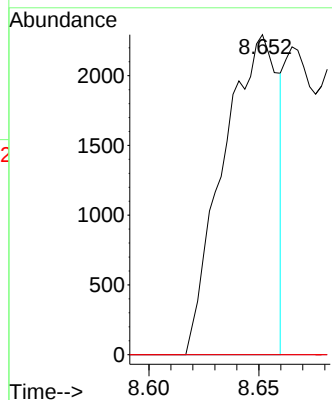
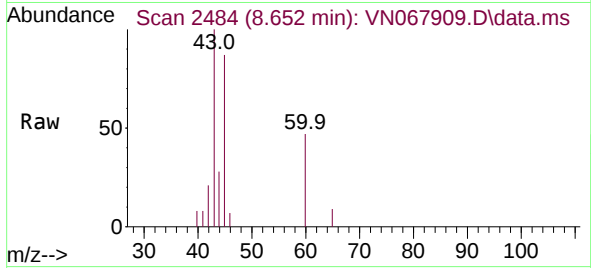




#43
Isopropyl Acetate
Concen: 0.344 ug/l
RT: 8.652 min Scan# 2484
Delta R.T. 0.089 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

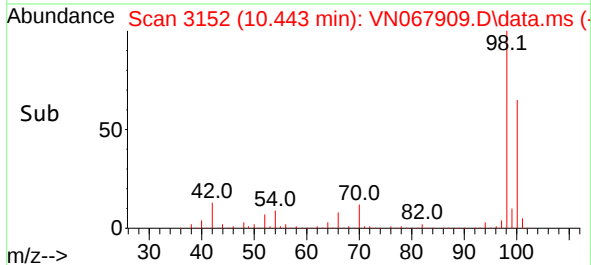
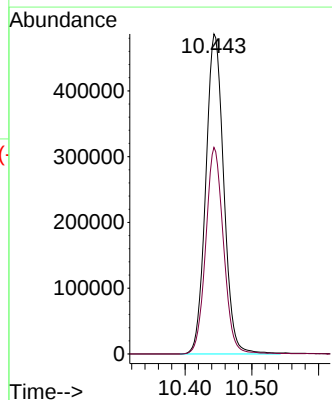
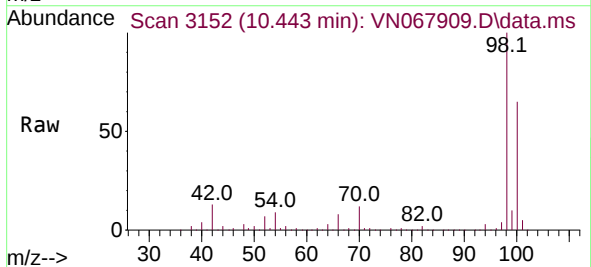
Instrument :
MSVOA_N
ClientSampled :

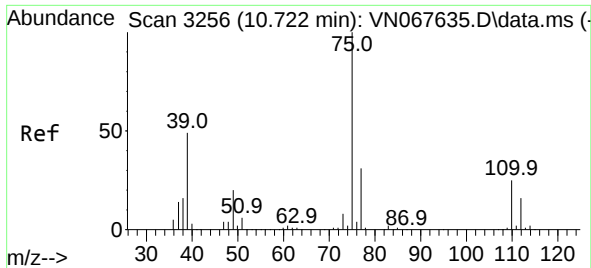
Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.242 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 98 Resp: 910250
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

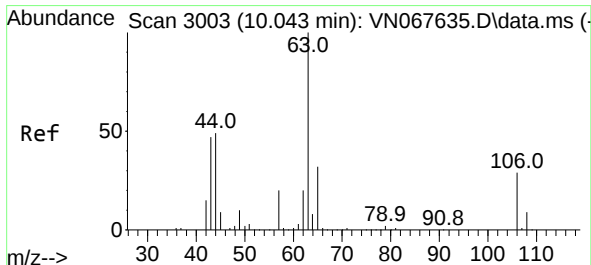
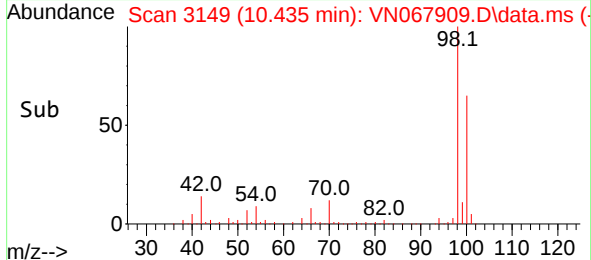
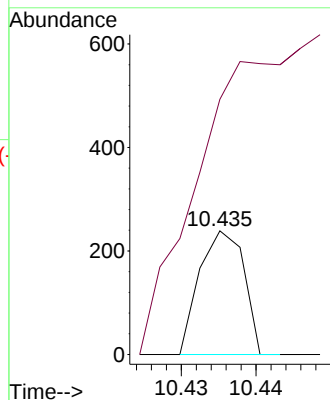
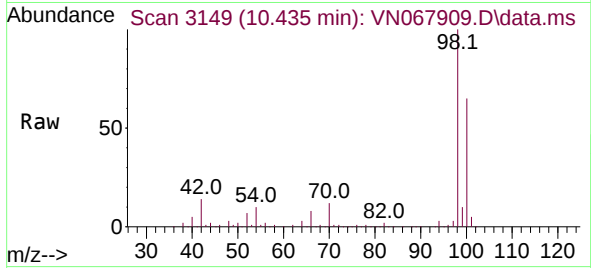




#53
t-1,3-Dichloropropene
Concen: 1.756 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. -0.287 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

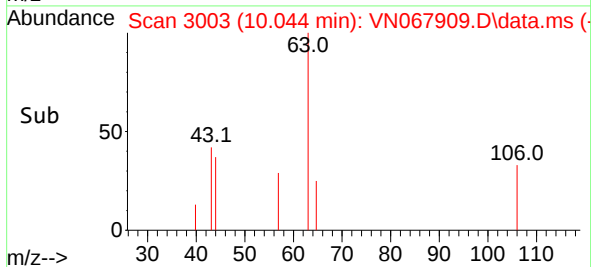
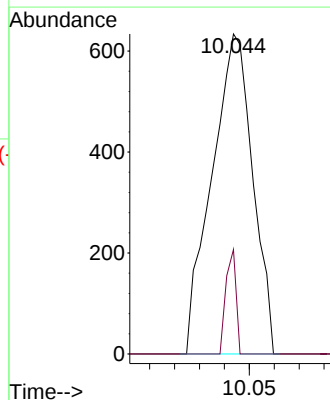
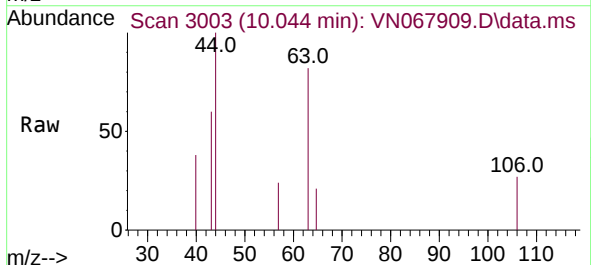
Instrument :
MSVOA_N
ClientSampled :

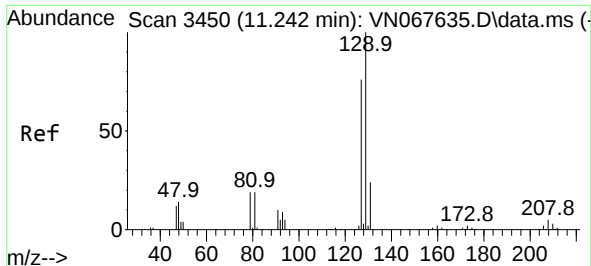
Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
77 112.6 25.1 37.7#



#58
2-Chloroethyl Vinyl ether
Concen: 17.335 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.001 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 63 Resp: 723
Ion Ratio Lower Upper
63 100
106 8.0 19.8 29.8#

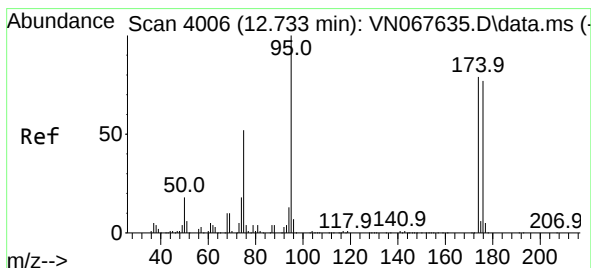
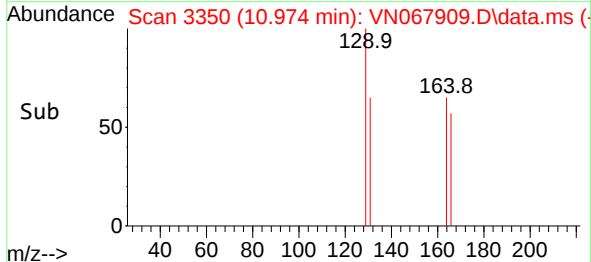
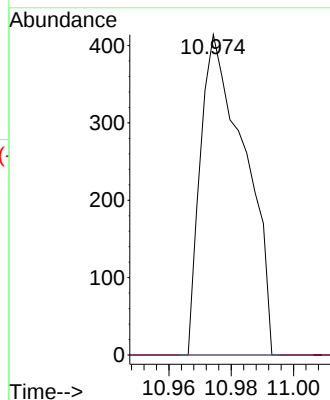
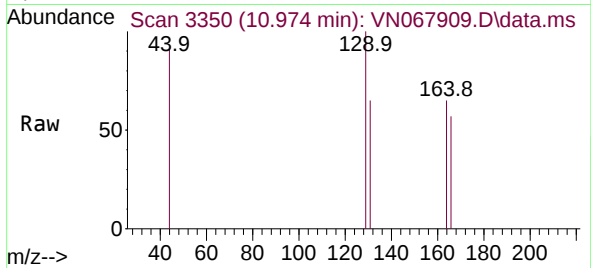




#60
Dibromochloromethane
Concen: 2.419 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.268 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

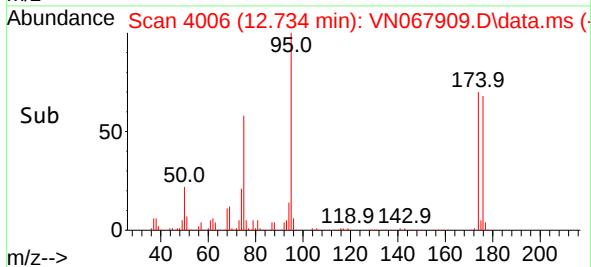
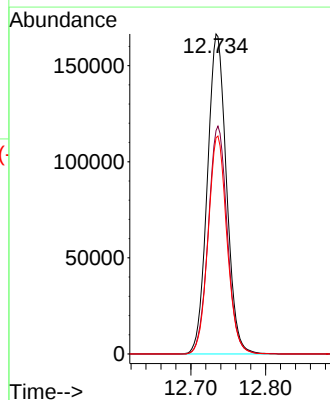
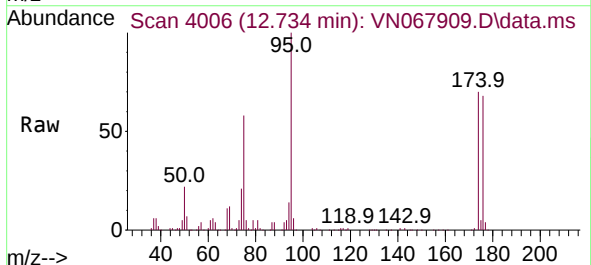
Instrument :
MSVOA_N
ClientSampled :

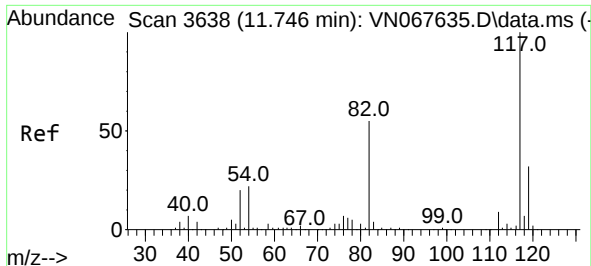
Tgt Ion:129 Resp: 409
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 45.261 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion: 95 Resp: 295557
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 67.2 0.0 117.6

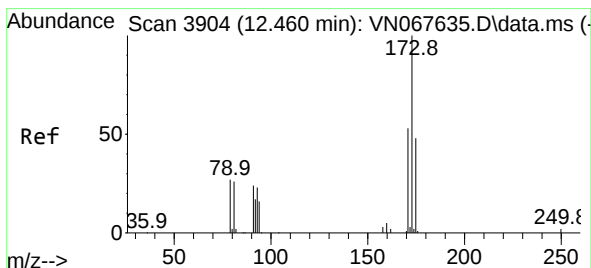
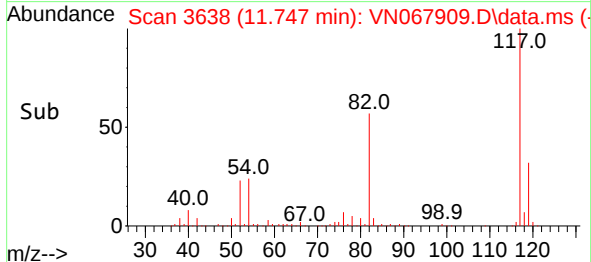
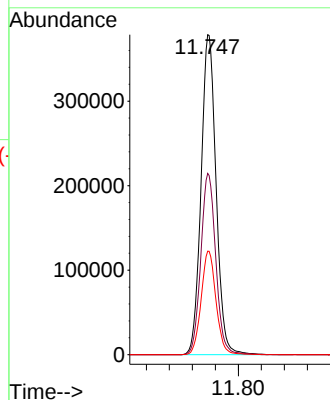
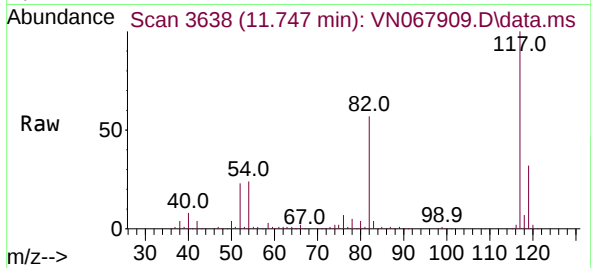




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

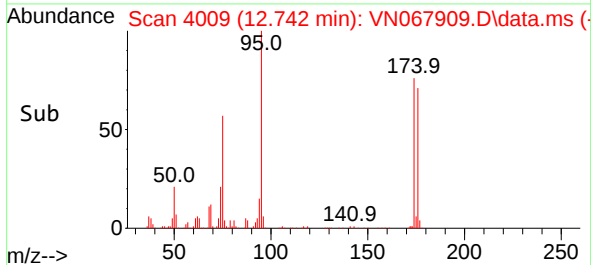
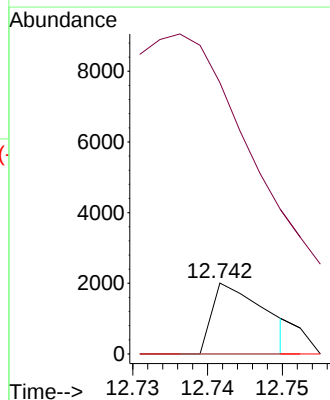
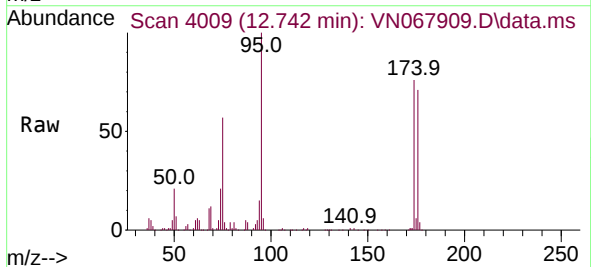
Instrument :
MSVOA_N
ClientSampleId :

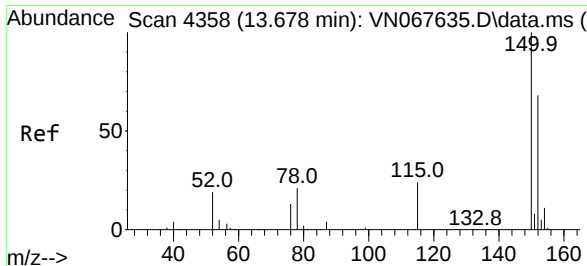
Tgt Ion:117 Resp: 687097
Ion Ratio Lower Upper
117 100
82 56.7 53.1 79.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 3.384 ug/l
RT: 12.742 min Scan# 4009
Delta R.T. 0.282 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

Tgt Ion:173 Resp: 977
Ion Ratio Lower Upper
173 100
175 1452.1 23.9 71.8#
254 0.0 0.0 0.0

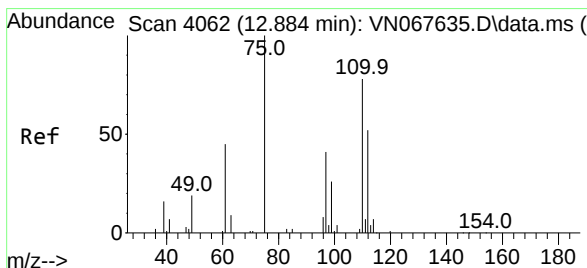
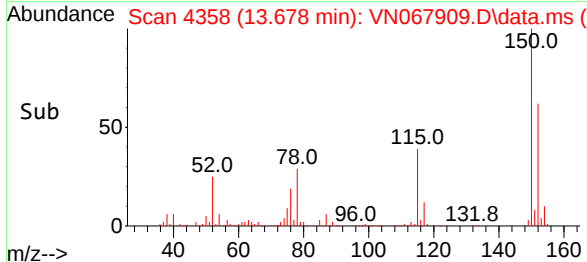
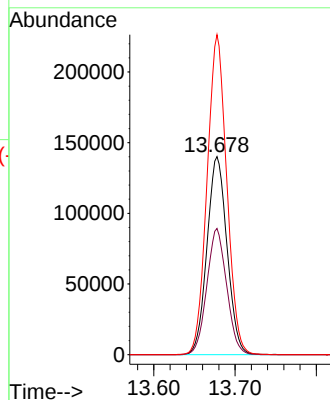
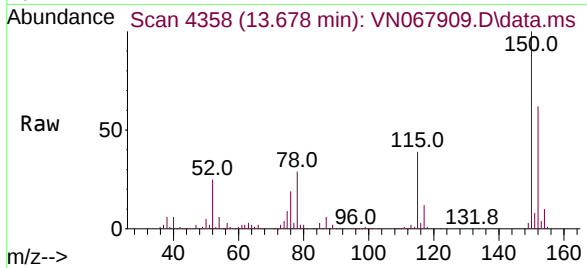




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067909.D
 Acq: 26 Jul 2021 16:02

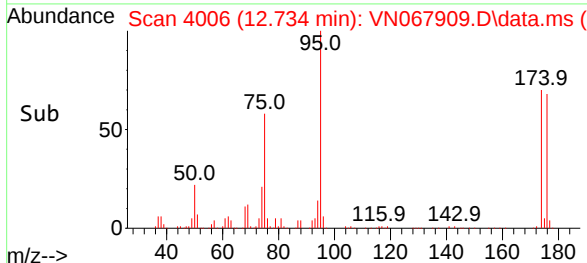
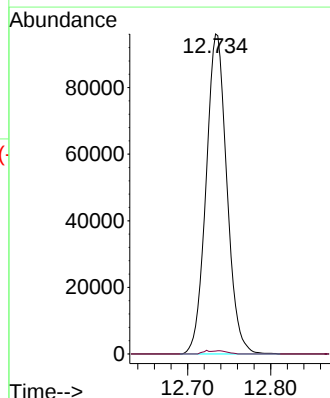
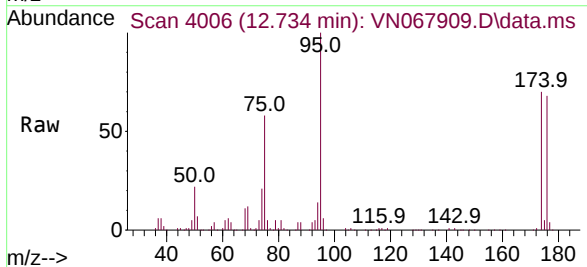
Instrument :
 MSVOA_N
 ClientSampled :

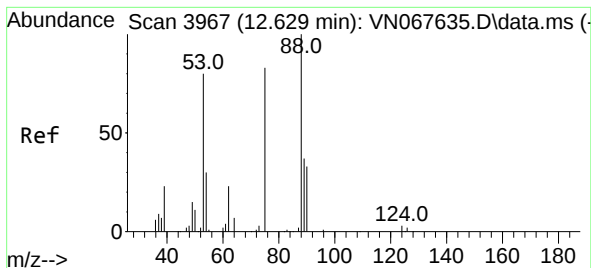
Tgt Ion:152 Resp: 240821
 Ion Ratio Lower Upper
 152 100
 115 63.0 36.1 108.5
 150 158.3 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.900 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067909.D
 Acq: 26 Jul 2021 16:02

Tgt Ion: 75 Resp: 166722
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#

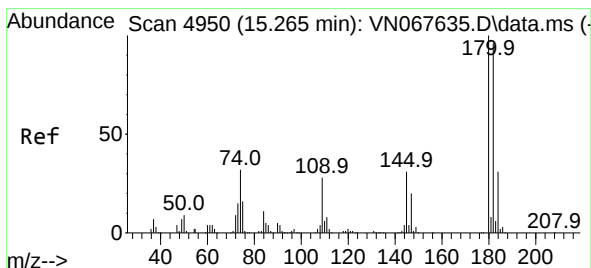
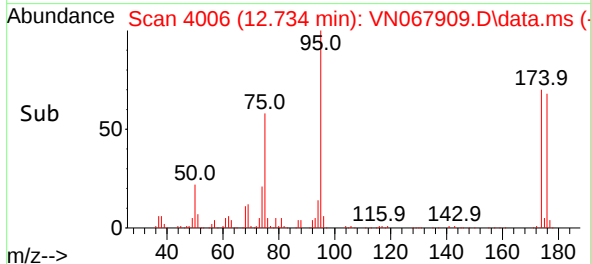
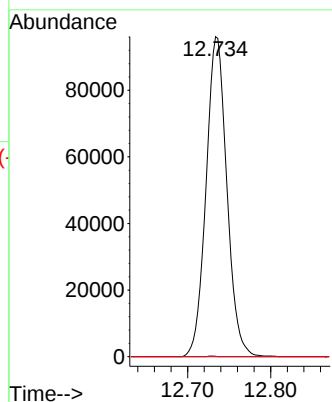
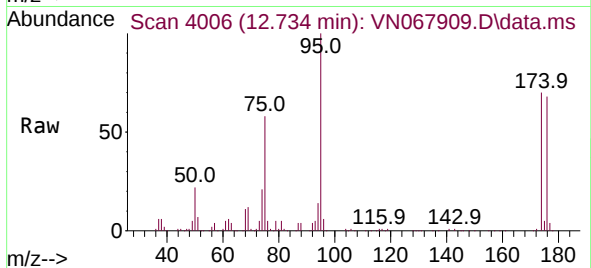




#81
trans-1,4-Dichloro-2-butene
Concen: 109.298 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

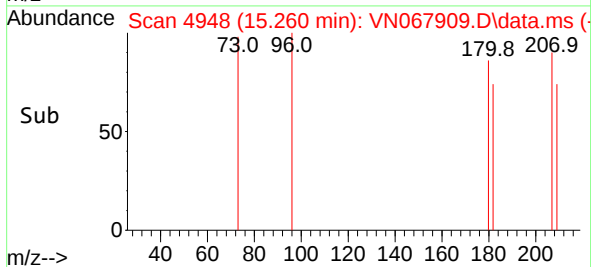
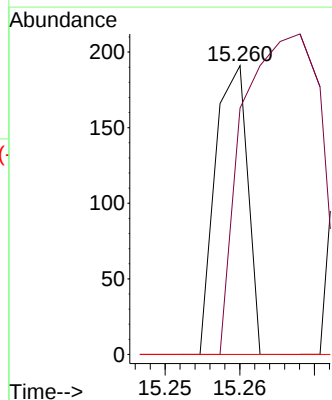
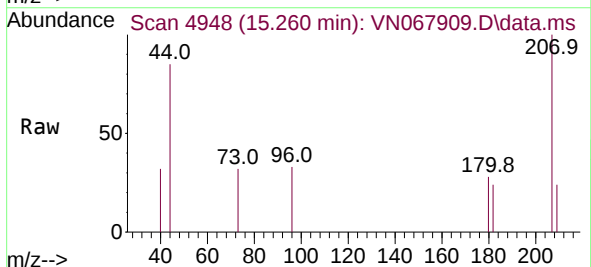
Instrument :
MSVOA_N
ClientSampled :

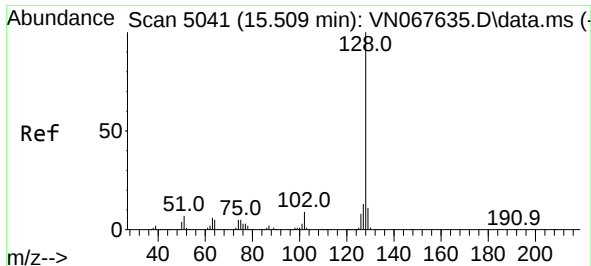
Tgt Ion: 75 Resp: 166722
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.688 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

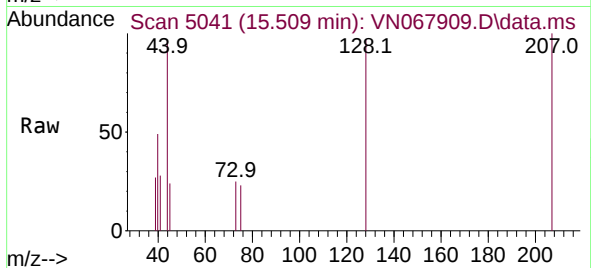
Tgt Ion:180 Resp: 57
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



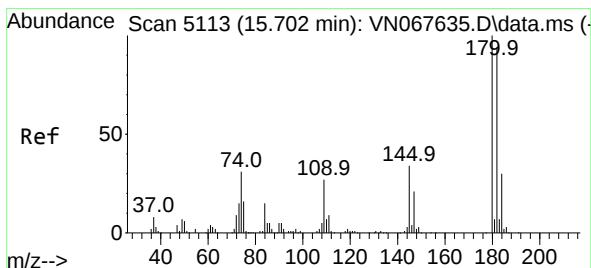
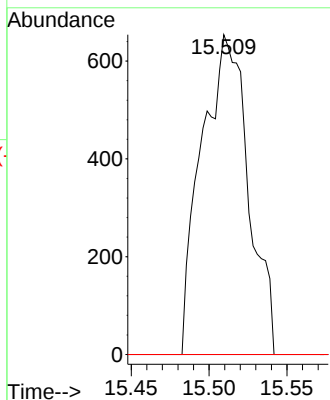
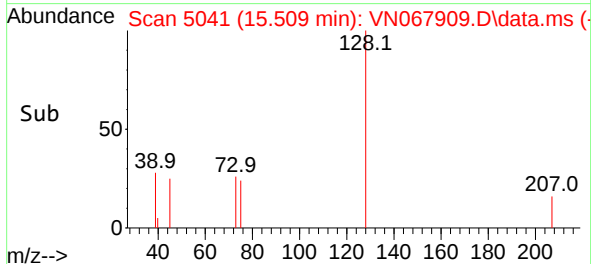


#95
Naphthalene
Concen: 3.121 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02

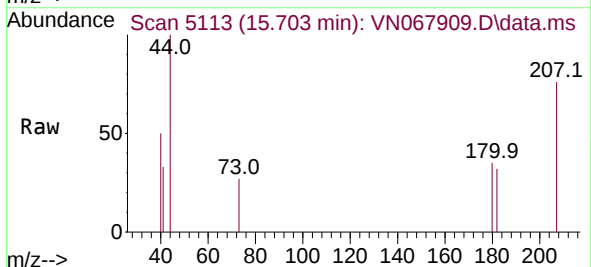
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1366
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: 2.678 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.001 min
Lab File: VN067909.D
Acq: 26 Jul 2021 16:02



Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 116.8 47.8 143.3
145 0.0 18.2 54.6#

