

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062521\
 Data File : VN067509.D
 Acq On : 25 Jun 2021 17:09
 Operator : JC/MD
 Sample : M2827-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 00:39:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

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

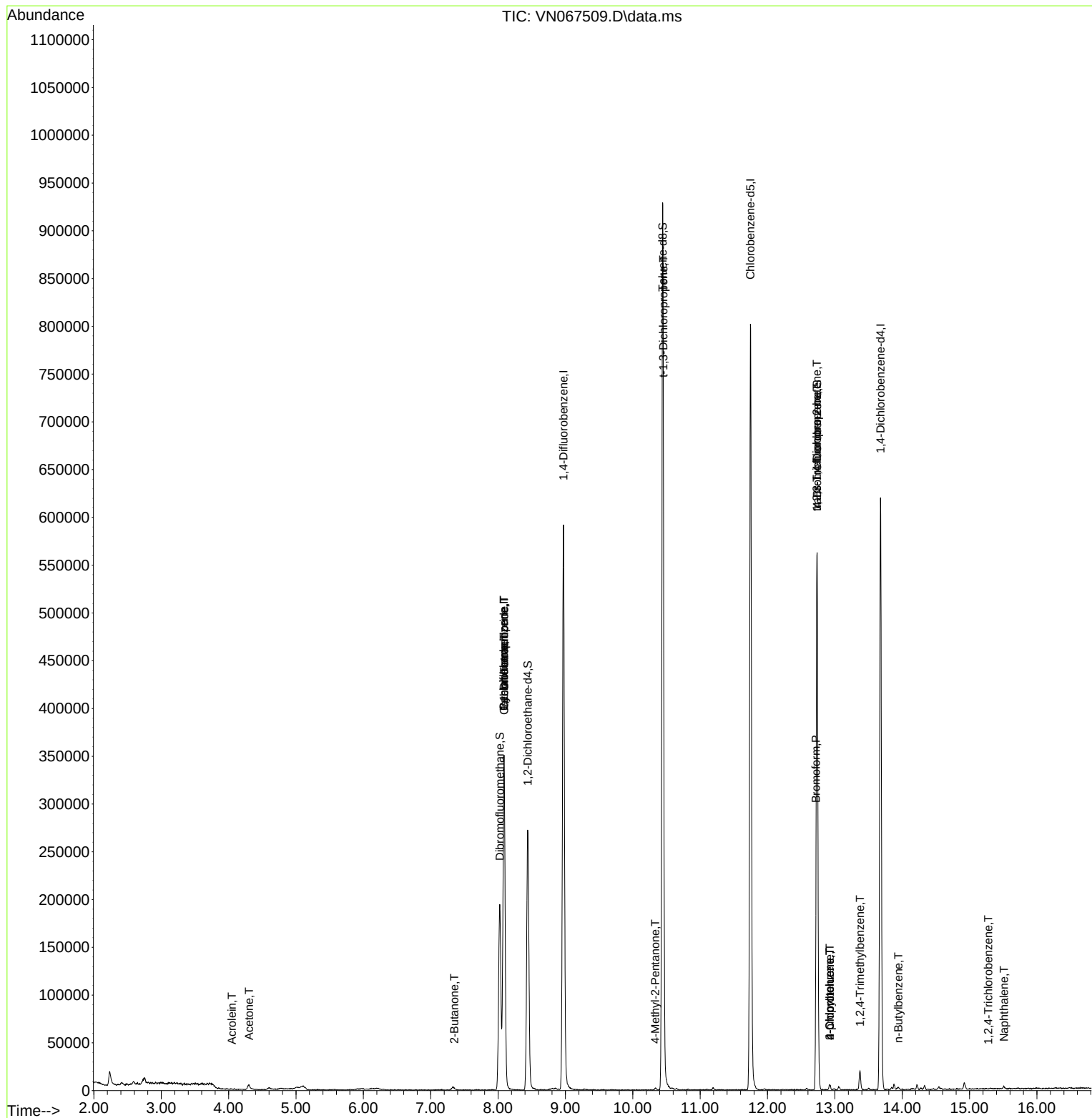
Internal Standards						
1) Pentafluorobenzene	8.088	168	195385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	450112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	404784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	128566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	226540	56.65	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.30%			
35) Dibromofluoromethane	8.026	113	138253	49.86	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.72%			
50) Toluene-d8	10.443	98	624243	52.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.56%			
62) 4-Bromofluorobenzene	12.736	95	210236	49.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.78%			
Target Compounds					Qvalue	
13) Acrolein	4.049	56	558	1.01	ug/l	97
16) Acetone	4.301	43	7956	5.20	ug/l #	82
25) 2-Butanone	7.351	43	1007	0.42	ug/l #	51
31) Cyclohexane	8.088	56	8305	1.30	ug/l #	12
36) 1,1-Dichloropropene	8.088	75	28845	5.69	ug/l #	51
38) Carbon Tetrachloride	8.091	117	28418	6.58	ug/l #	15
51) 4-Methyl-2-Pentanone	10.336	43	2090	0.39	ug/l #	81
53) t-1,3-Dichloropropene	10.454	75	156	2.03	ug/l #	1
71) Bromoform	12.720	173	194	2.74	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	127536	33.70	ug/l #	100
78) n-propylbenzene	12.924	91	5516	0.34	ug/l	83
79) 2-Chlorotoluene	12.924	91	5516	0.57	ug/l #	46
81) trans-1,4-Dichloro-2-b...	12.733	75	127536	92.23	ug/l #	6
82) 4-Chlorotoluene	12.924	91	5516	0.58	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.374	105	12278	1.17	ug/l	98
89) n-Butylbenzene	13.943	91	2237	0.24	ug/l #	85
93) 1,2,4-Trichlorobenzene	15.276	180	26	2.34	ug/l #	12
95) Naphthalene	15.509	128	1868	3.58	ug/l #	89

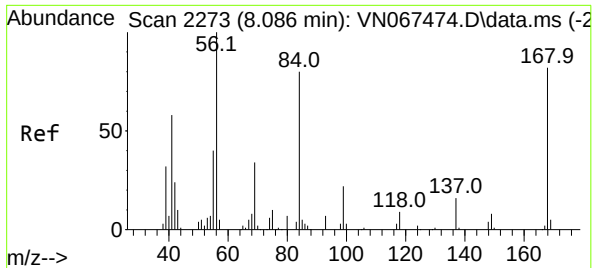
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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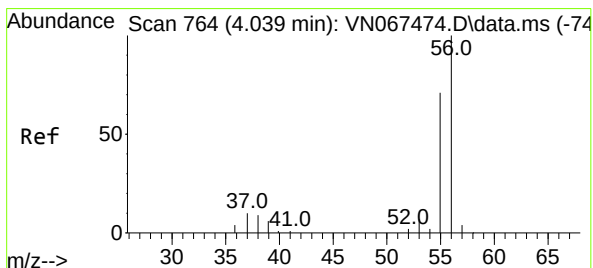
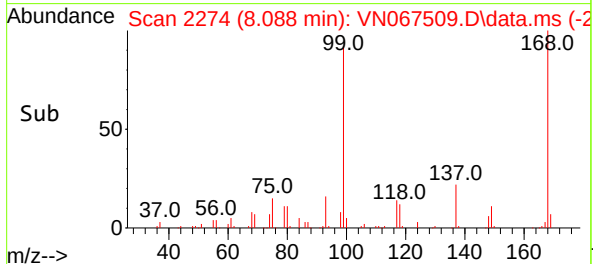
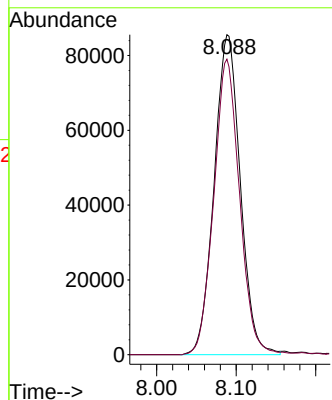
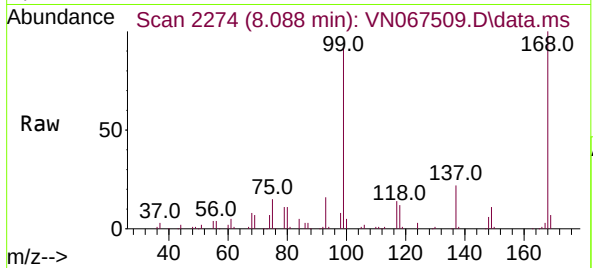




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

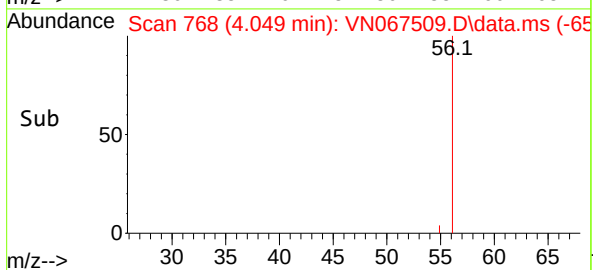
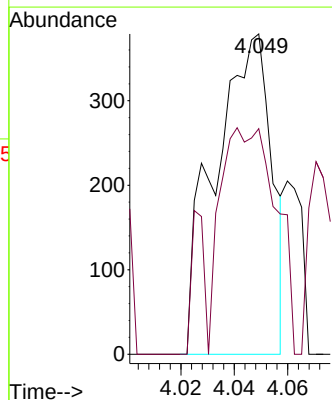
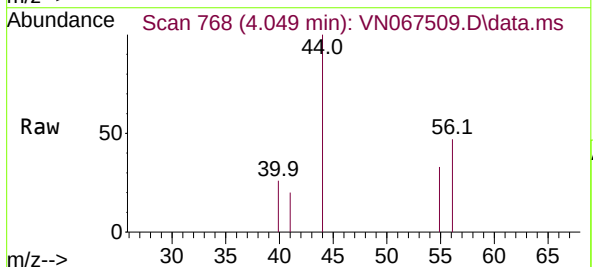
Instrument :
MSVOA_N
ClientSampled :

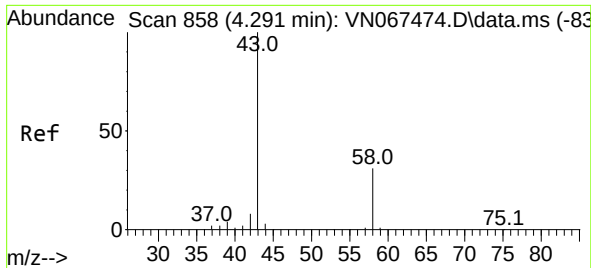
Tgt Ion:168 Resp: 195385
Ion Ratio Lower Upper
168 100
99 92.4 62.9 94.3



#13
Acrolein
Concen: 1.01 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 56 Resp: 558
Ion Ratio Lower Upper
56 100
55 69.4 57.4 86.0

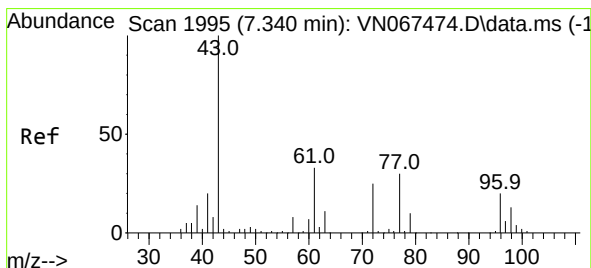
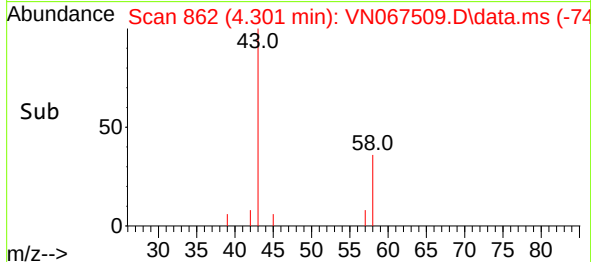
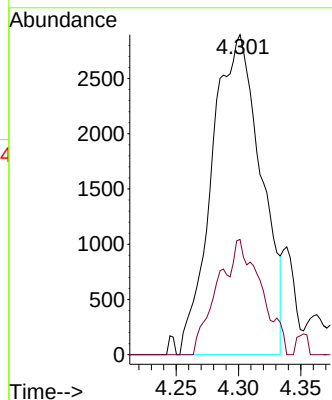
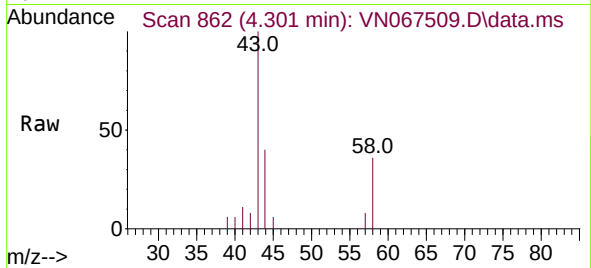




#16
Acetone
Concen: 5.20 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

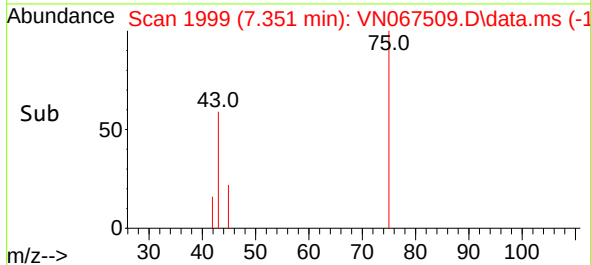
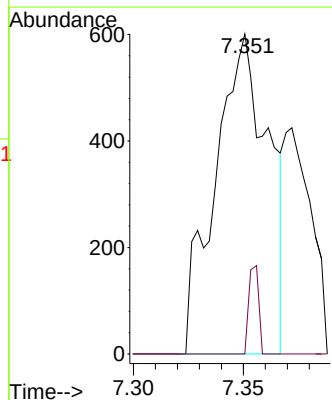
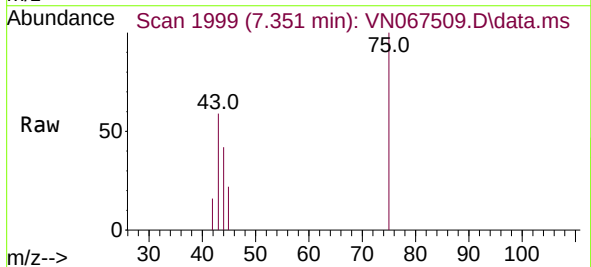
Instrument :
MSVOA_N
ClientSampled :

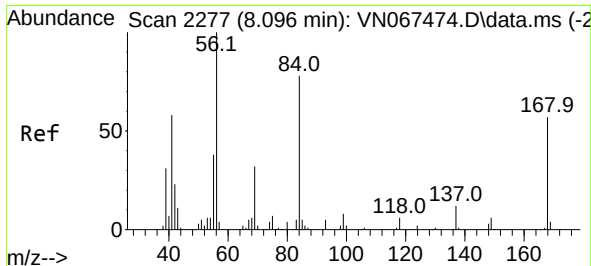
Tgt Ion: 43 Resp: 7956
Ion Ratio Lower Upper
43 100
58 36.0 21.2 31.8#



#25
2-Butanone
Concen: 0.42 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#

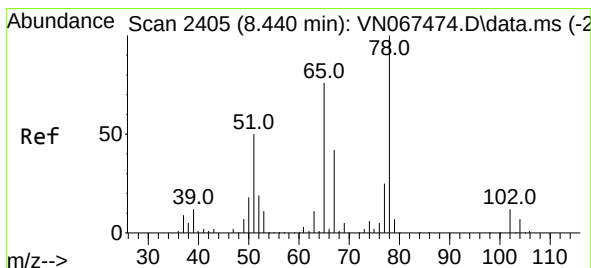
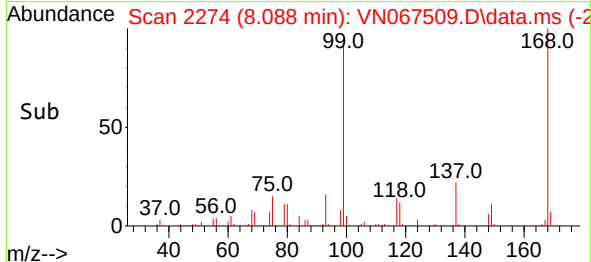
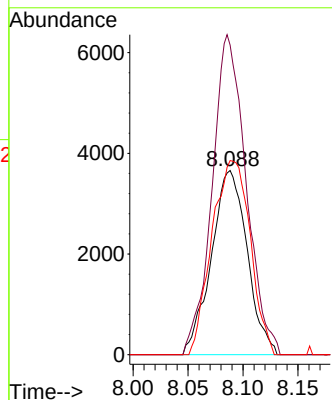
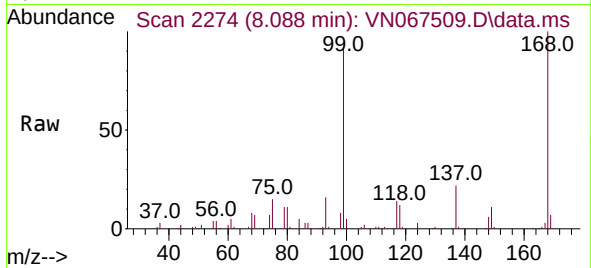




#31
Cyclohexane
Concen: 1.30 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

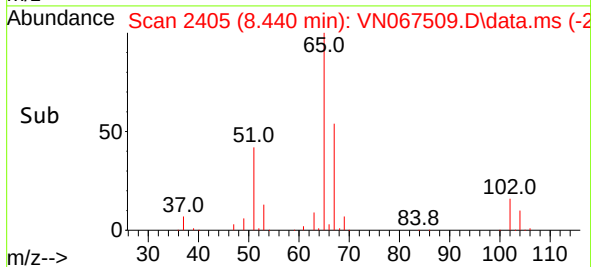
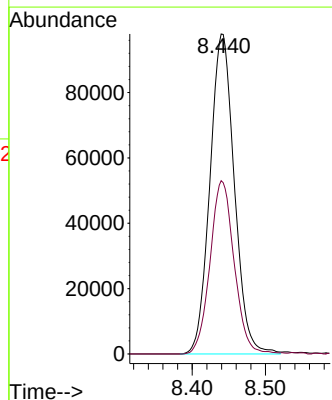
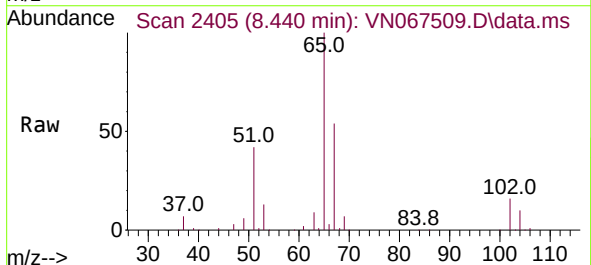
Instrument :
MSVOA_N
ClientSampled :

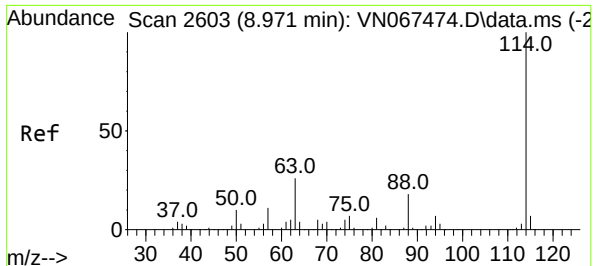
Tgt Ion: 56 Resp: 8305
Ion Ratio Lower Upper
56 100
69 168.2 27.3 40.9#
84 105.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 56.65 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 65 Resp: 226540
Ion Ratio Lower Upper
65 100
67 53.5 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.971 min Scan# 2603

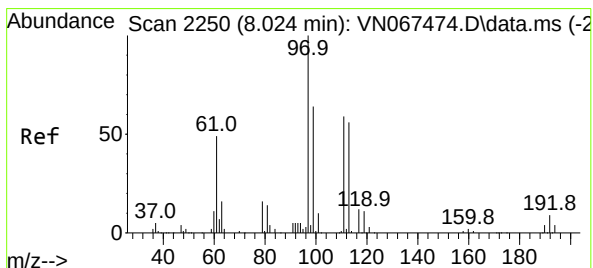
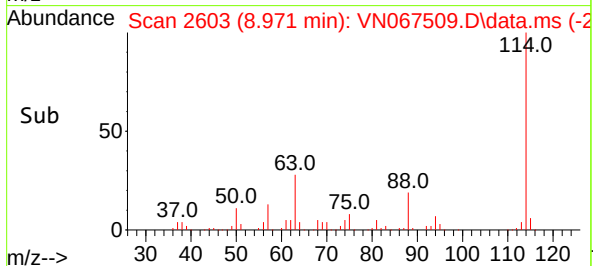
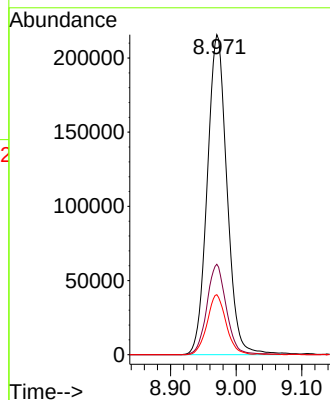
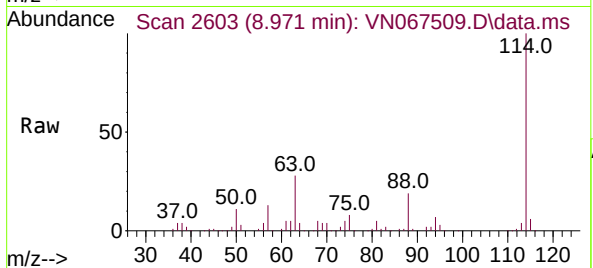
Delta R.T. -0.000 min

Lab File: VN067509.D

Acq: 25 Jun 2021 17:09

Tgt Ion:	114	Resp:	450112
Ion Ratio	Lower	Upper	
114	100		
63	28.3	0.0	49.0
88	18.7	0.0	36.6

Instrument :
MSVOA_N
ClientSampled :



#35

Dibromofluoromethane

Concen: 49.86 ug/l

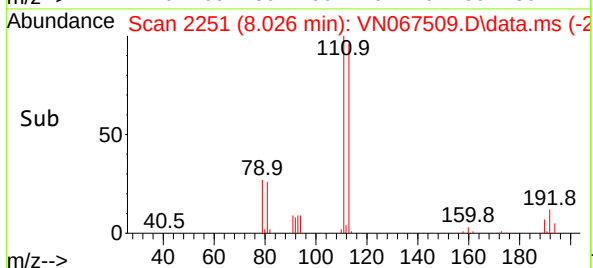
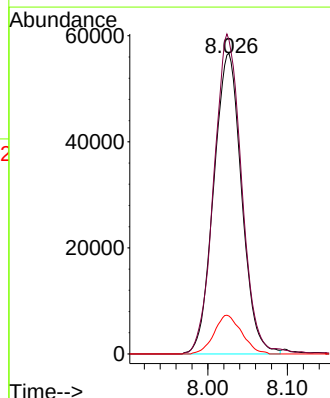
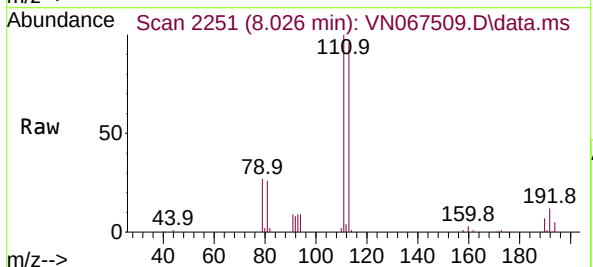
RT: 8.026 min Scan# 2251

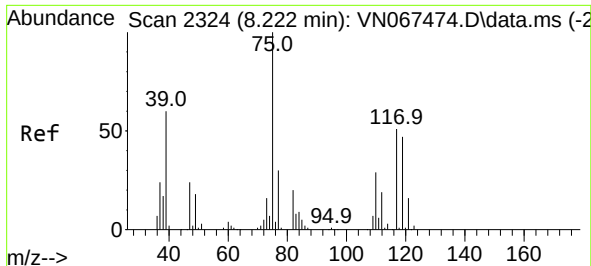
Delta R.T. 0.002 min

Lab File: VN067509.D

Acq: 25 Jun 2021 17:09

Tgt Ion:	113	Resp:	138253
Ion Ratio	Lower	Upper	
113	100		
111	105.8	83.8	125.8
192	12.7	13.4	20.0#

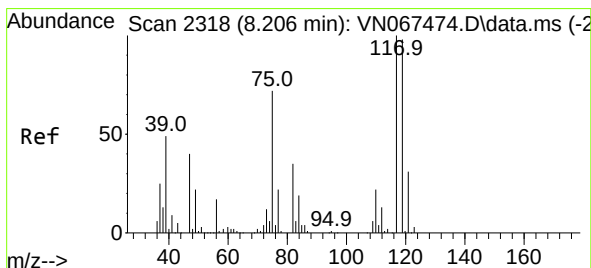
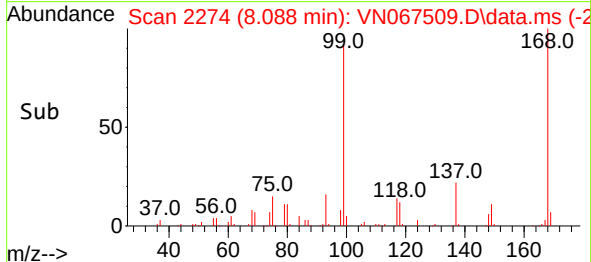
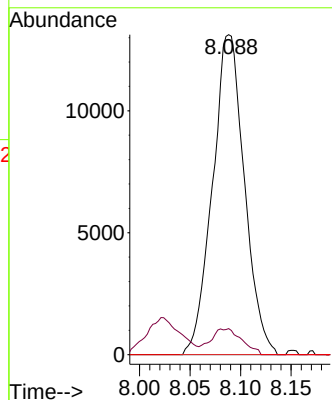
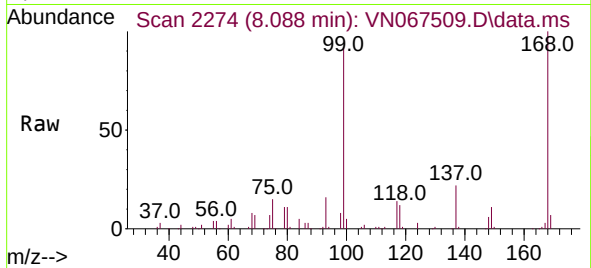




#36
1,1-Dichloropropene
Concen: 5.69 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

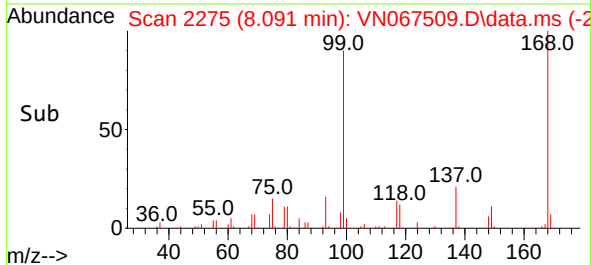
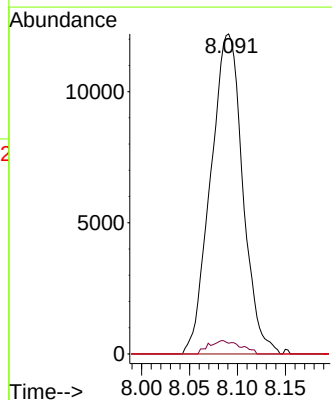
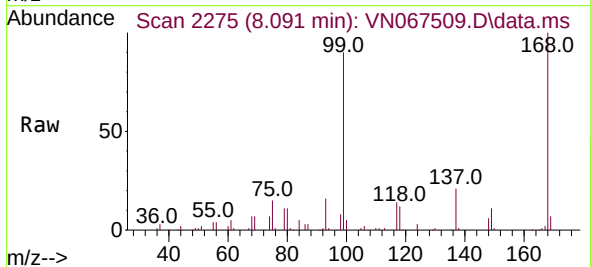
Instrument :
MSVOA_N
ClientSampled :

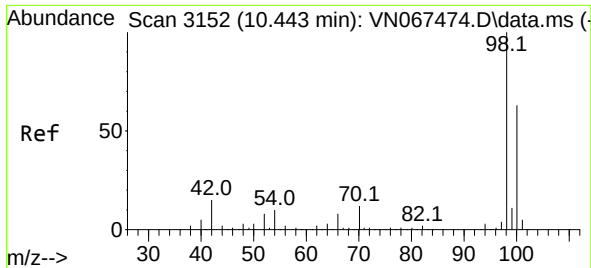
Tgt Ion: 75 Resp: 28845
Ion Ratio Lower Upper
75 100
110 7.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.58 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 117 Resp: 28418
Ion Ratio Lower Upper
117 100
119 3.4 75.4 113.2#
121 0.0 23.5 35.3#

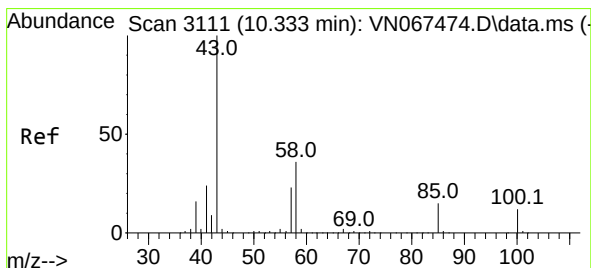
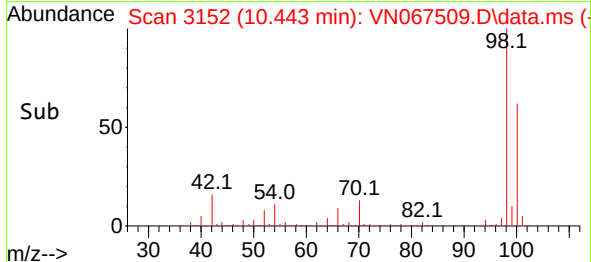
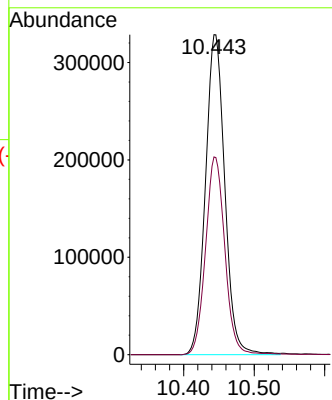
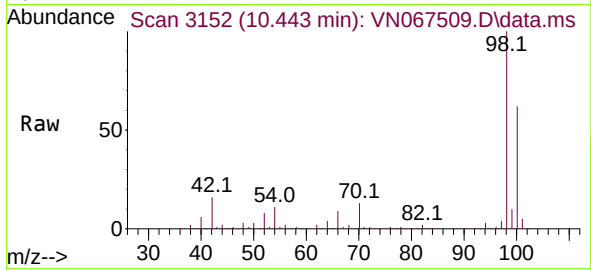




#50
Toluene-d8
Concen: 52.78 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

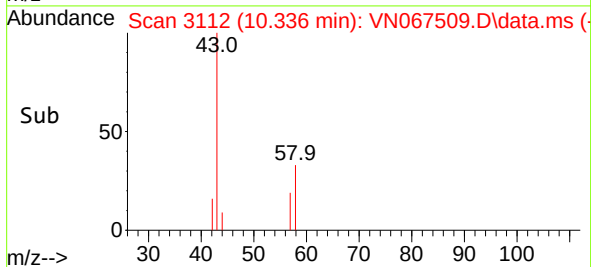
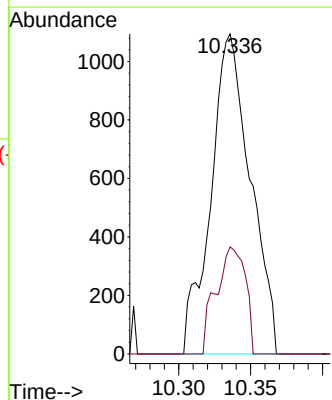
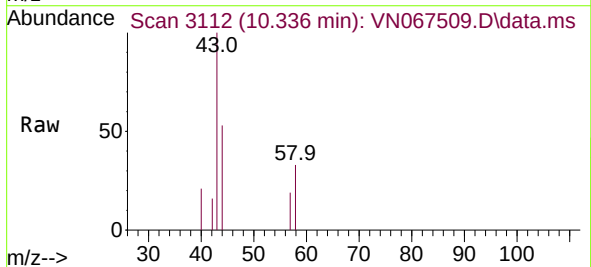
Instrument :
MSVOA_N
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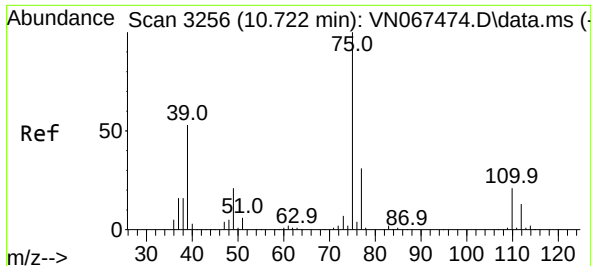
Tgt Ion: 98 Resp: 624243
Ion Ratio Lower Upper
98 100
100 61.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
58 24.7 28.6 43.0#

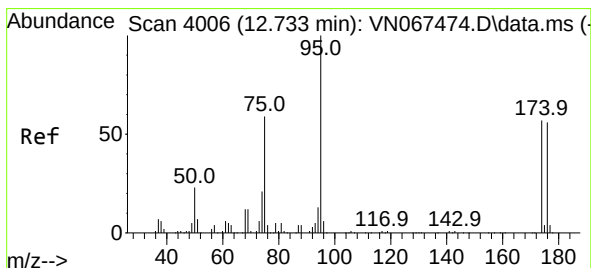
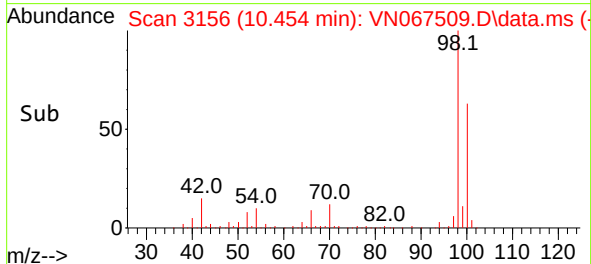
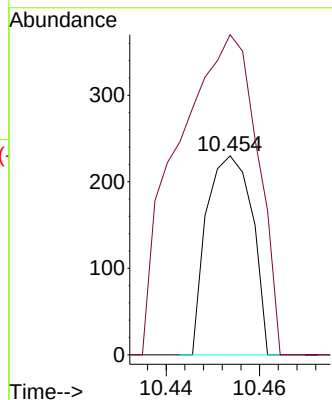
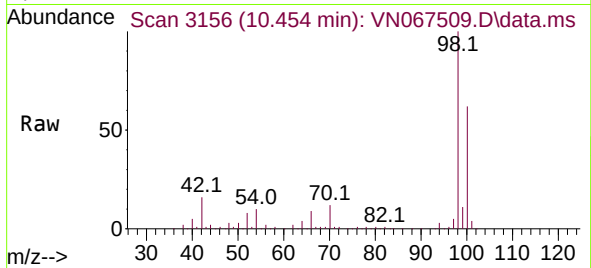




#53
t-1,3-Dichloropropene
Concen: 2.03 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

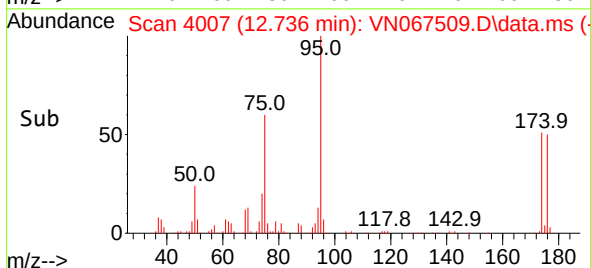
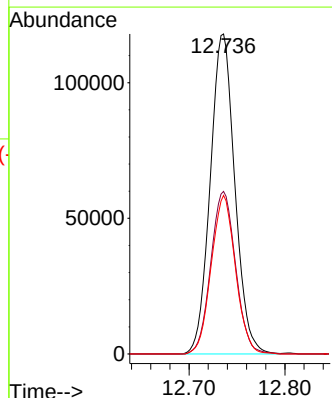
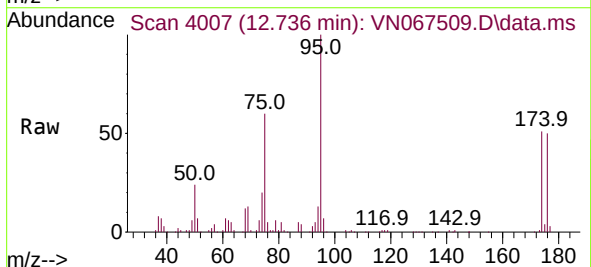
Instrument :
MSVOA_N
ClientSampleId :

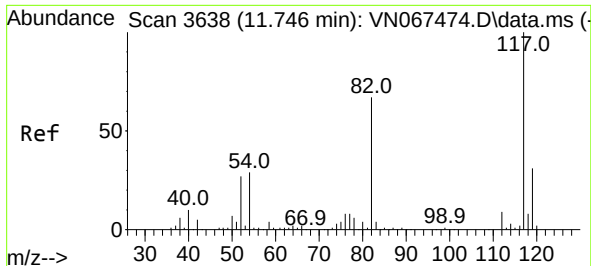
Tgt Ion: 75 Resp: 156
Ion Ratio Lower Upper
75 100
77 160.9 25.1 37.7#



#62
4-Bromofluorobenzene
Concen: 49.89 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 95 Resp: 210236
Ion Ratio Lower Upper
95 100
174 51.3 0.0 122.0
176 48.7 0.0 117.6

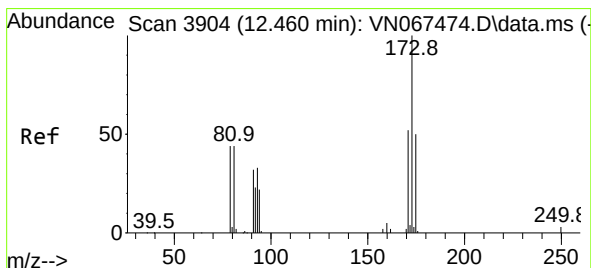
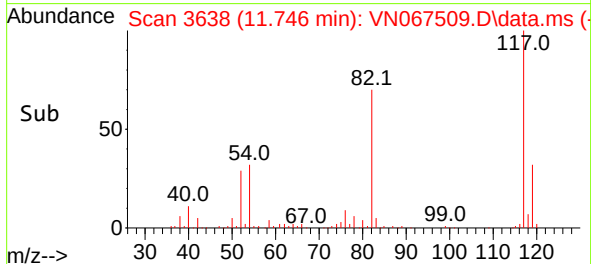
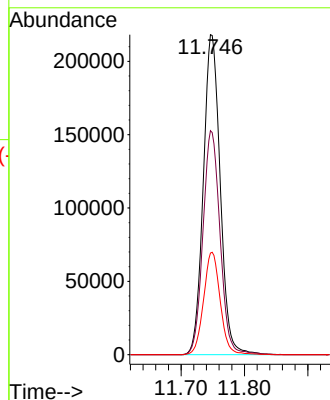
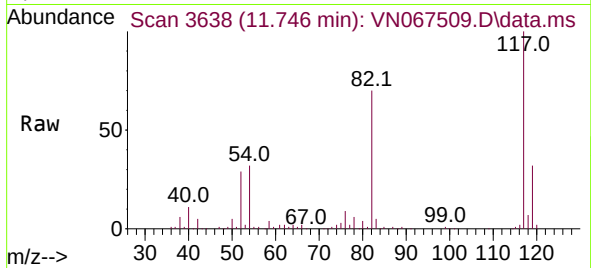




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

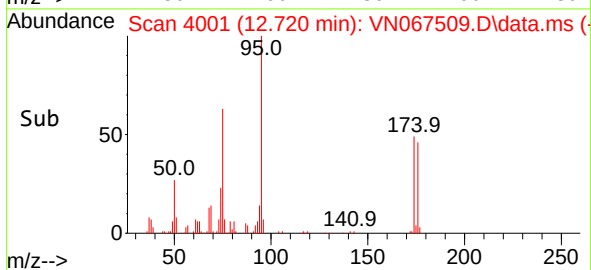
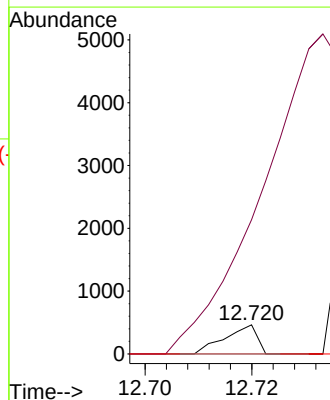
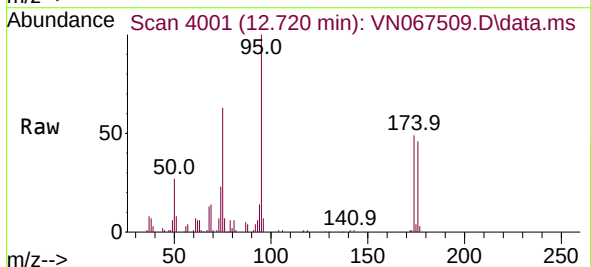
Instrument :
MSVOA_N
ClientSampleId :

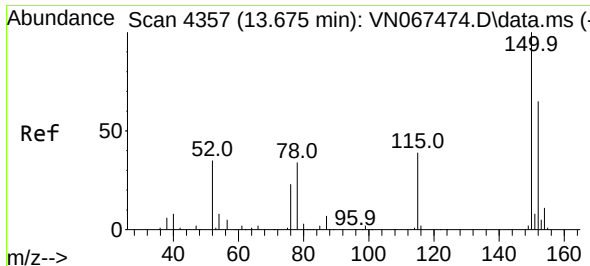
Tgt Ion:117 Resp: 404784
Ion Ratio Lower Upper
117 100
82 70.0 53.1 79.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 2.74 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion:173 Resp: 194
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

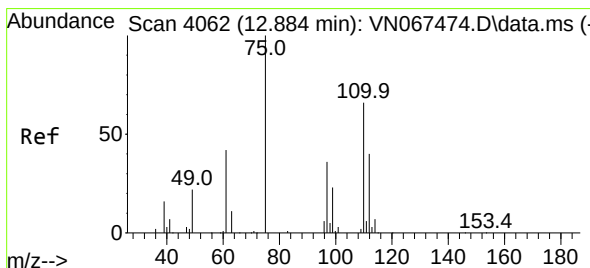
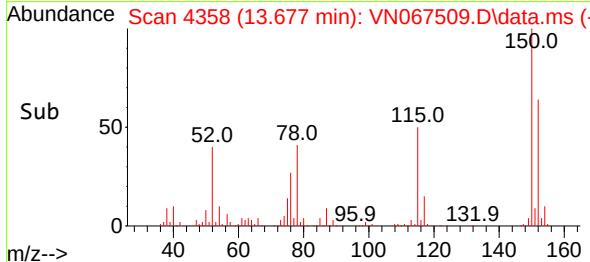
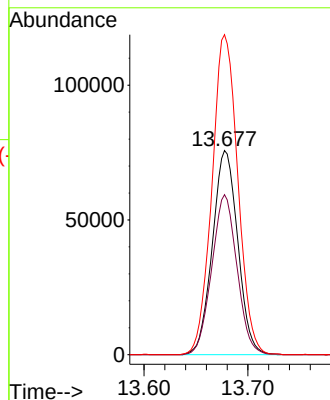
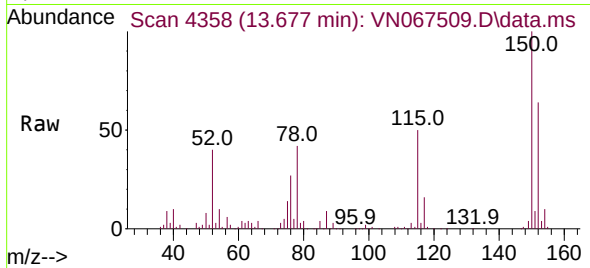




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

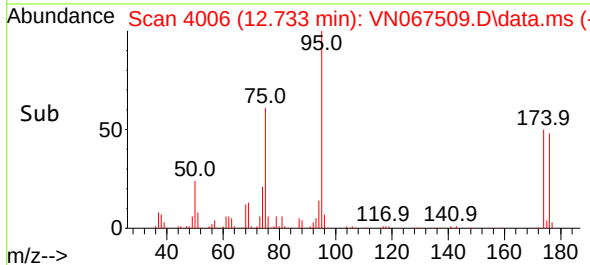
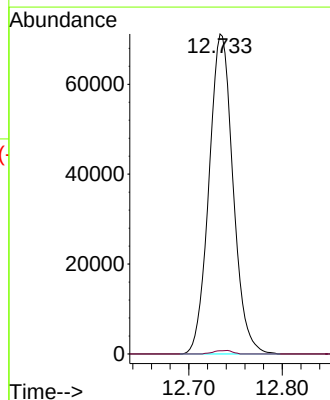
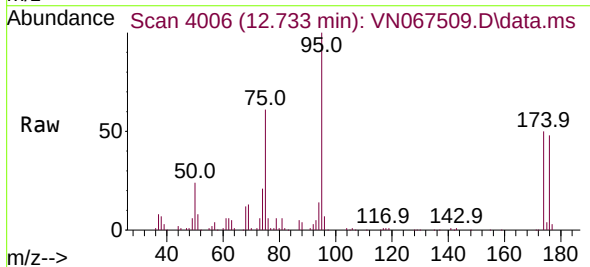
Instrument :
MSVOA_N
ClientSampled :

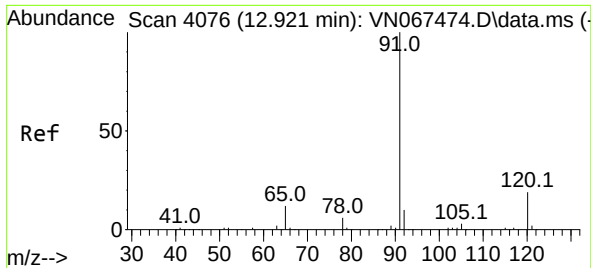
Tgt Ion:152 Resp: 128566
Ion Ratio Lower Upper
152 100
115 77.9 36.1 108.5
150 159.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 33.70 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 75 Resp: 127536
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

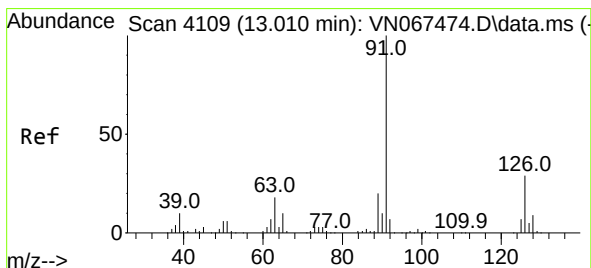
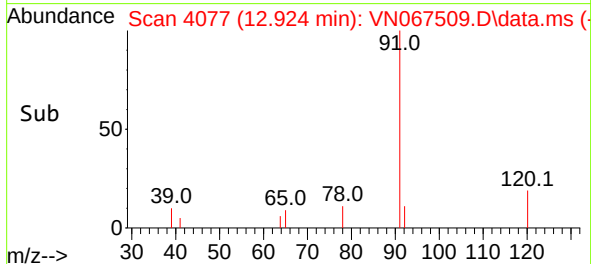
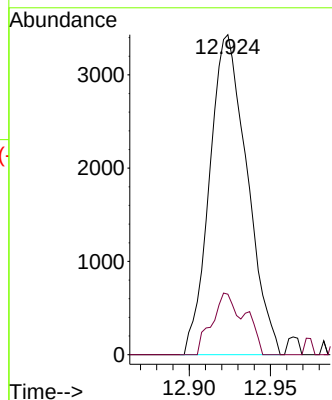
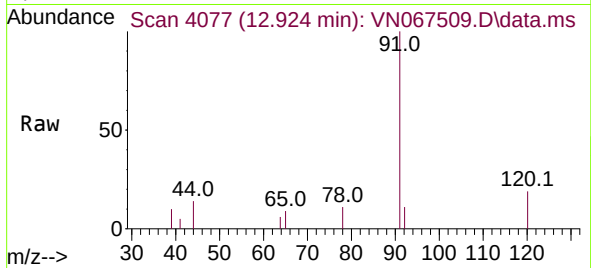




#78
n-propylbenzene
Concen: 0.34 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

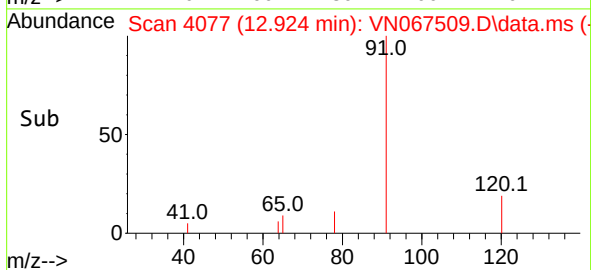
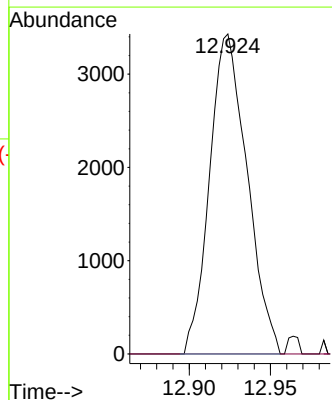
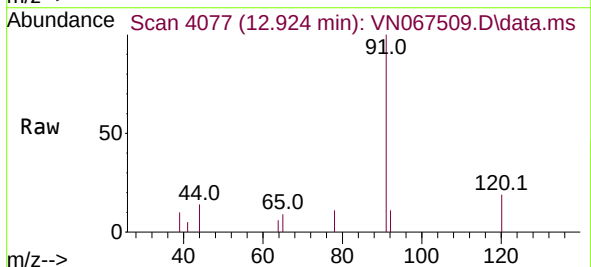
Instrument :
MSVOA_N
ClientSampled :

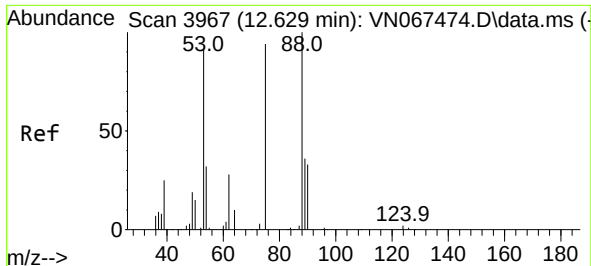
Tgt Ion: 91 Resp: 5516
Ion Ratio Lower Upper
91 100
120 12.8 10.4 31.4



#79
2-Chlorotoluene
Concen: 0.57 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. -0.086 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

Tgt Ion: 91 Resp: 5516
Ion Ratio Lower Upper
91 100
126 0.0 14.5 43.5#

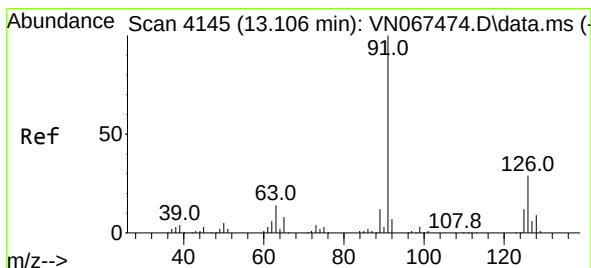
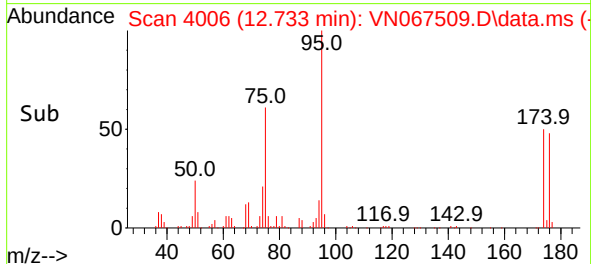
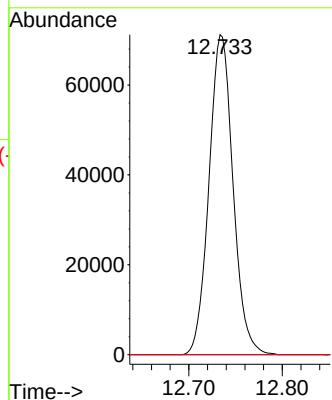
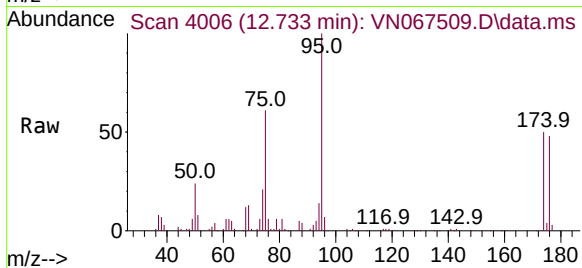




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.23 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067509.D
 Acq: 25 Jun 2021 17:09

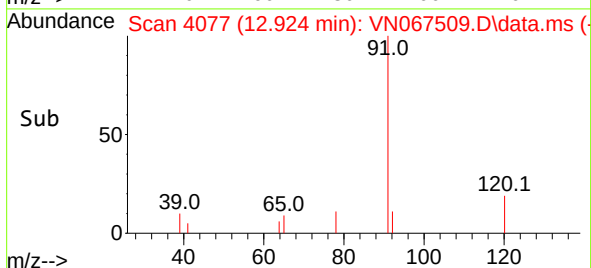
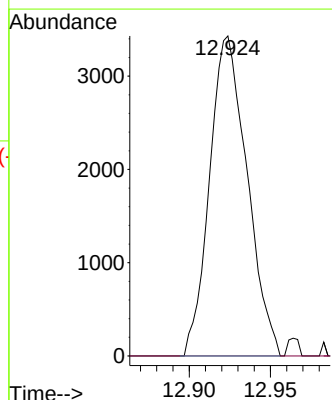
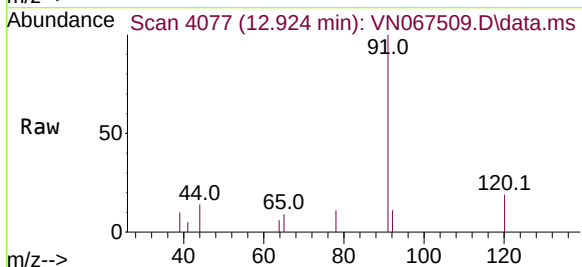
Instrument :
 MSVOA_N
 ClientSampled :

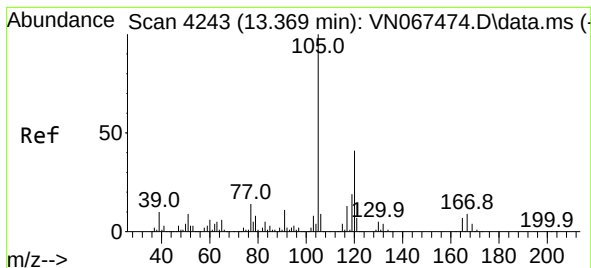
Tgt Ion: 75 Resp: 127536
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#



#82
 4-Chlorotoluene
 Concen: 0.58 ug/l
 RT: 12.924 min Scan# 4077
 Delta R.T. -0.182 min
 Lab File: VN067509.D
 Acq: 25 Jun 2021 17:09

Tgt Ion: 91 Resp: 5516
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.8 44.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.17 ug/l

RT: 13.374 min Scan# 4245

Delta R.T. 0.005 min

Lab File: VN067509.D

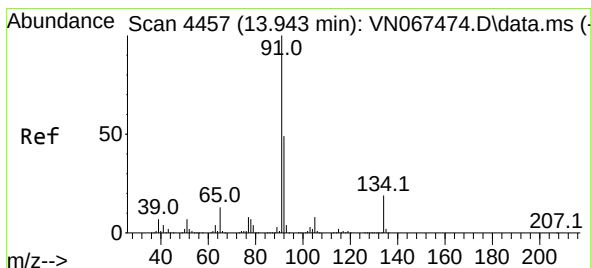
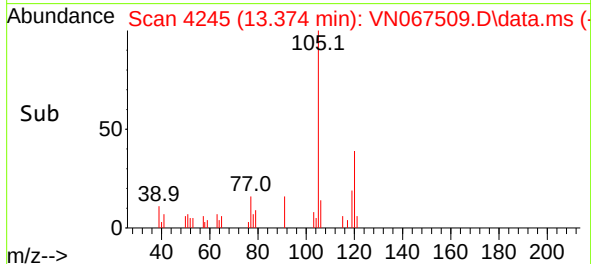
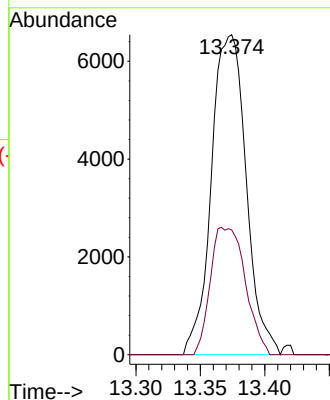
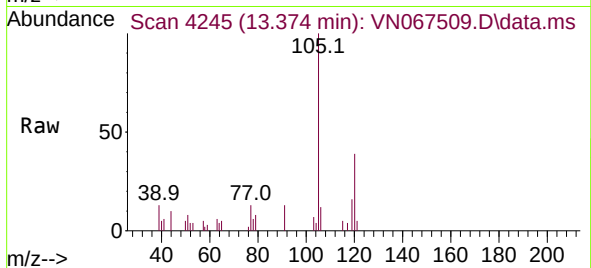
Acq: 25 Jun 2021 17:09

Tgt Ion:105 Resp: 12278

Ion Ratio Lower Upper

105 100

120 39.9 20.6 61.8



#89

n-Butylbenzene

Concen: 0.24 ug/l

RT: 13.943 min Scan# 4457

Delta R.T. -0.000 min

Lab File: VN067509.D

Acq: 25 Jun 2021 17:09

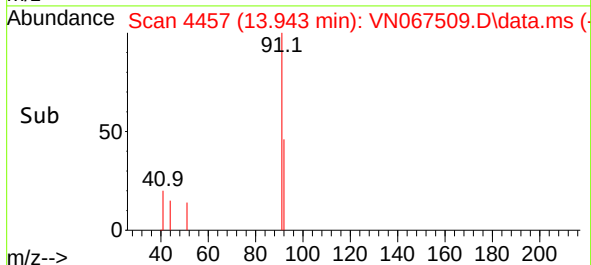
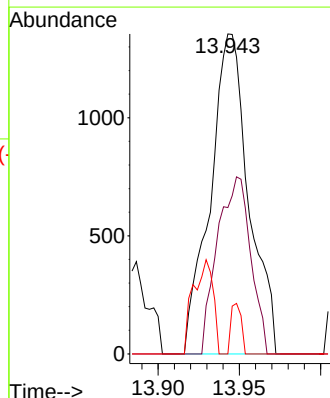
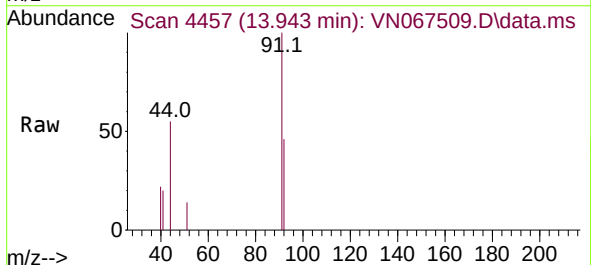
Tgt Ion: 91 Resp: 2237

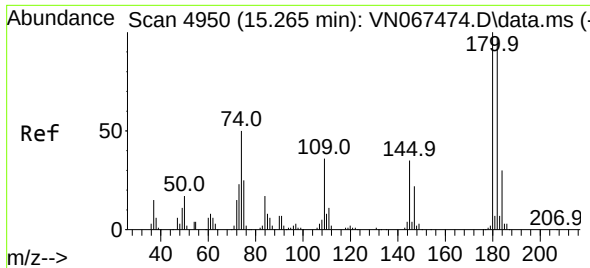
Ion Ratio Lower Upper

91 100

92 47.6 25.7 77.1

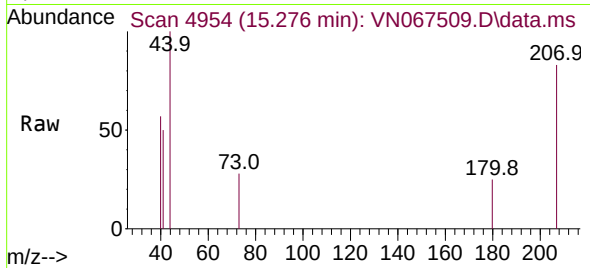
134 4.2 11.2 33.6#



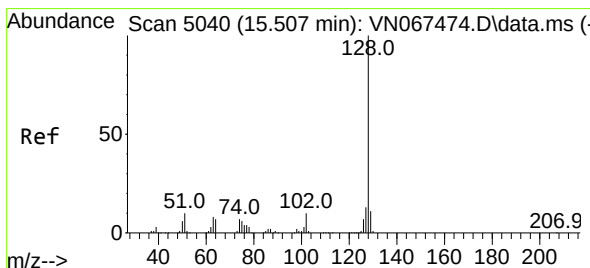
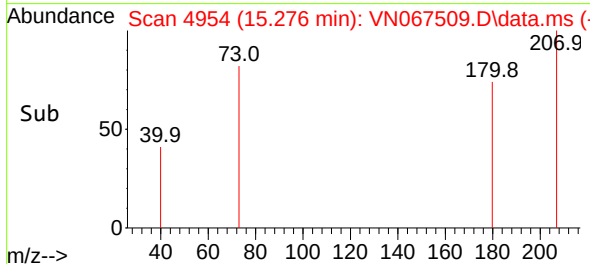
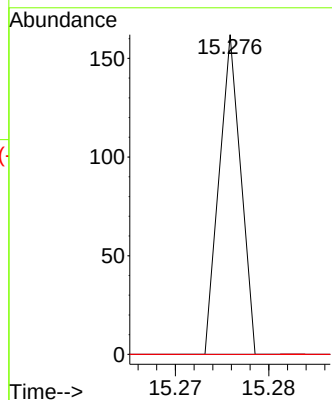


#93
1,2,4-Trichlorobenzene
Concen: 2.34 ug/l
RT: 15.276 min Scan# 4954
Delta R.T. 0.011 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09

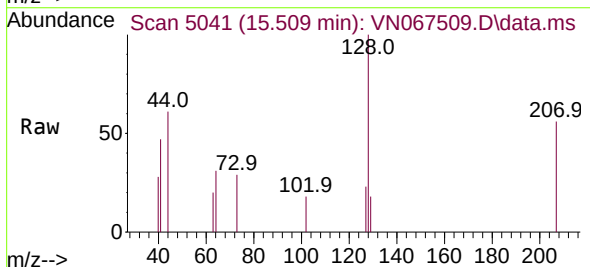
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.58 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067509.D
Acq: 25 Jun 2021 17:09



Tgt Ion:128 Resp: 1868
Ion Ratio Lower Upper
128 100
127 7.4 10.6 15.8#
129 8.6 8.6 12.8

