

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067934.D
 Acq On : 27 Jul 2021 17:36
 Operator : JC/MD
 Sample : M3147-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:22:14 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

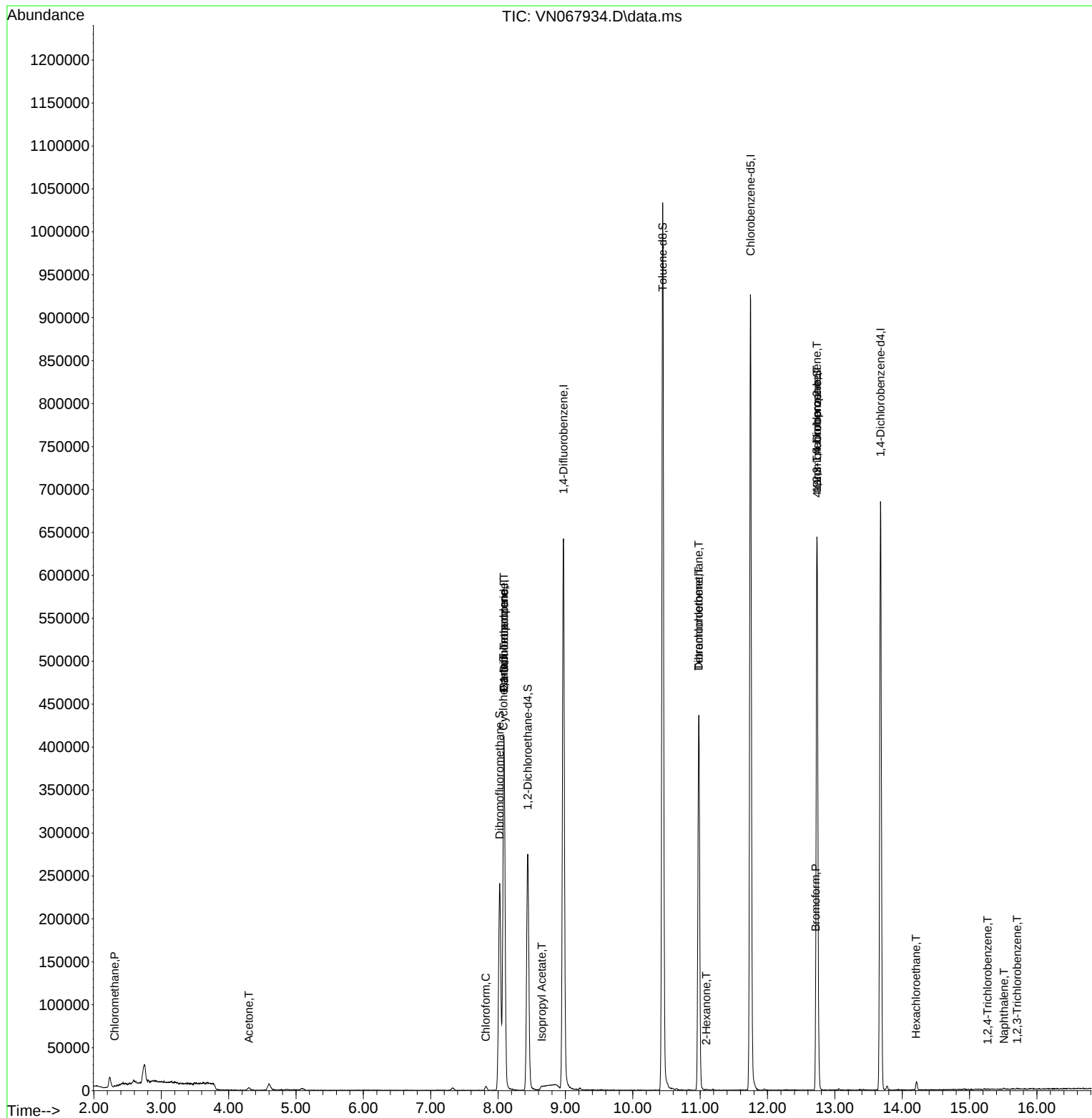
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	295032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	567474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	539860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	179007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	237025	53.158	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.320%	
35) Dibromofluoromethane	8.024	113	174324	50.845	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.680%	
50) Toluene-d8	10.443	98	713846	49.742	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.736	95	230686	45.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 91.000%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1107	0.279	ug/l	89
5) Bromomethane	2.818	94	52	Below Cal	#	4
6) Chloroethane	3.022	64	155	Below Cal	#	44
13) Acrolein	4.044	56	105	Below Cal		83
16) Acetone	4.299	43	5543	3.951	ug/l	91
20) Methylene Chloride	5.092	84	1044	Below Cal	#	83
30) Chloroform	7.817	83	4212	0.615	ug/l	96
31) Cyclohexane	8.080	56	3593	0.575	ug/l #	3
36) 1,1-Dichloropropene	8.088	75	26896	5.102	ug/l #	52
38) Carbon Tetrachloride	8.085	117	33333	6.411	ug/l #	16
43) Isopropyl Acetate	8.649	43	3306	0.368	ug/l #	58
59) 2-Hexanone	11.092	43	1198	0.311	ug/l	74
60) Dibromochloromethane	10.979	129	94331	20.846	ug/l #	11
64) Tetrachloroethene	10.979	164	93102	24.431	ug/l	96
71) Bromoform	12.715	173	147	3.216	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	127753	34.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	127753	112.672	ug/l #	6
90) Hexachloroethane	14.206	117	778	0.420	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.268	180	152	2.723	ug/l #	71
95) Naphthalene	15.509	128	1408	3.163	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.705	180	106	2.668	ug/l #	1

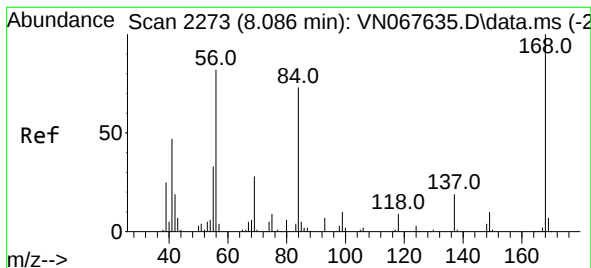
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 07 16:18:53 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: VN067934.D

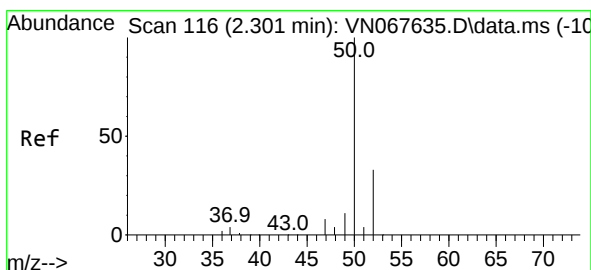
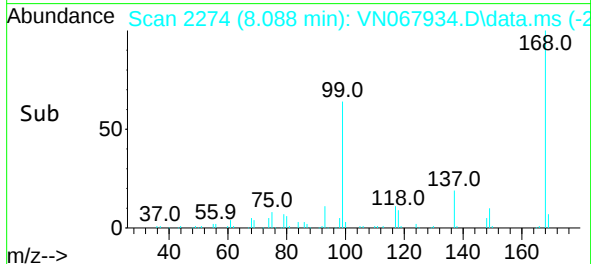
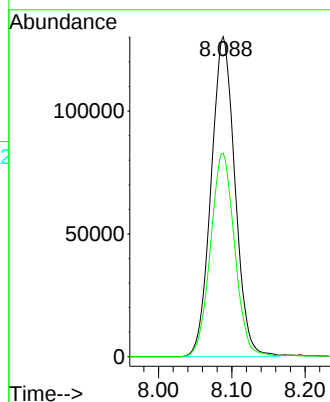
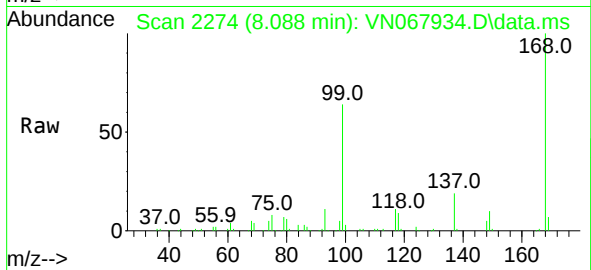
Acq: 27 Jul 2021 17:36

Tgt Ion:168 Resp: 295032

Ion Ratio Lower Upper

168 100

99 63.6 62.9 94.3



#3

Chloromethane

Concen: 0.279 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN067934.D

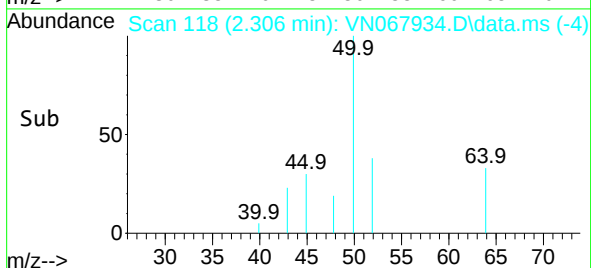
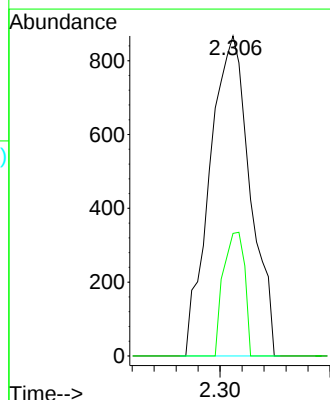
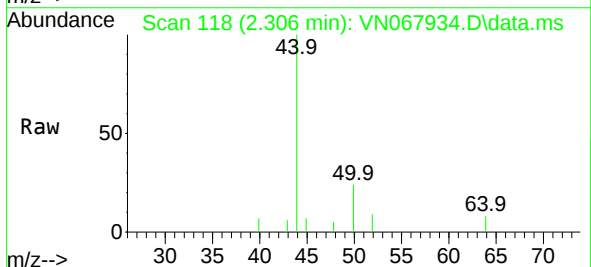
Acq: 27 Jul 2021 17:36

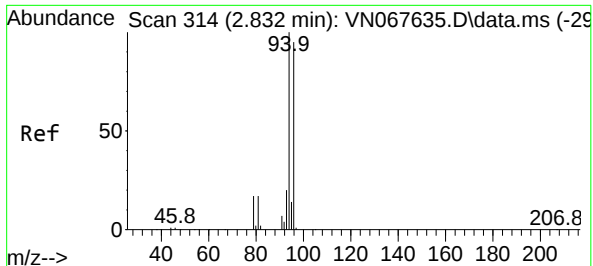
Tgt Ion: 50 Resp: 1107

Ion Ratio Lower Upper

50 100

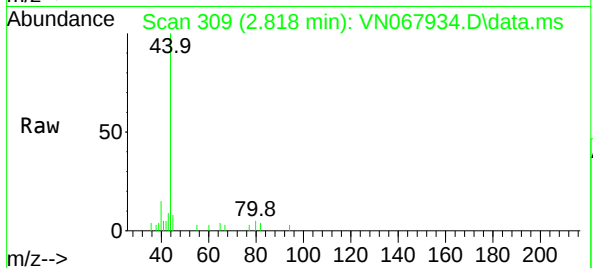
52 38.3 25.6 38.4



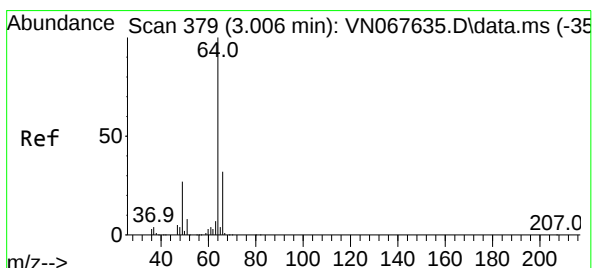
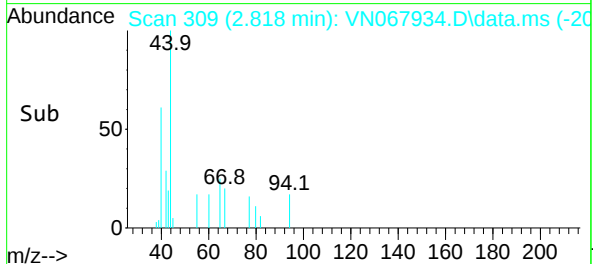
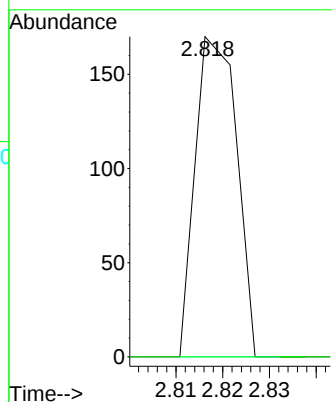


#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.014 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Instrument :
MSVOA_N
ClientSampled :

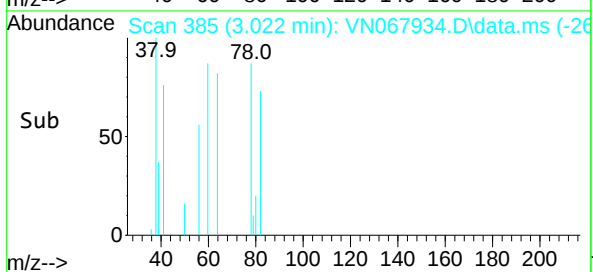
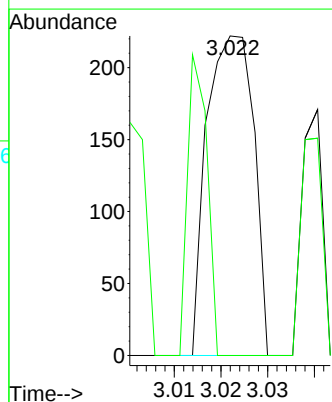
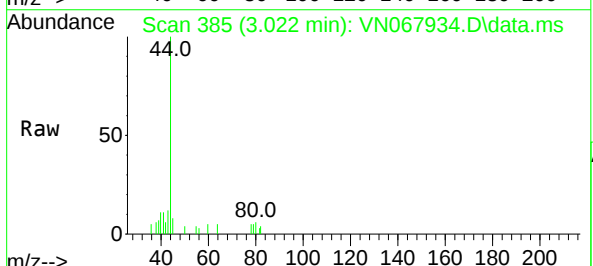


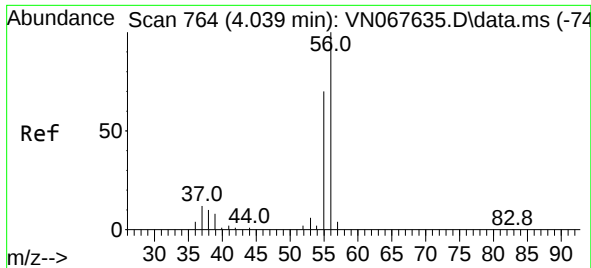
Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 385
Delta R.T. 0.016 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

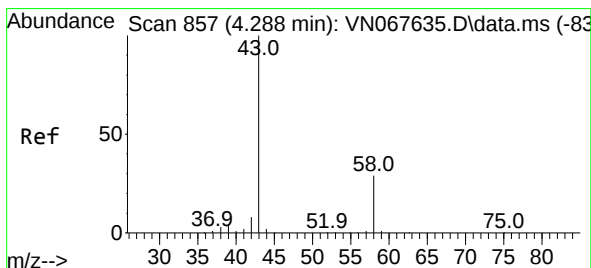
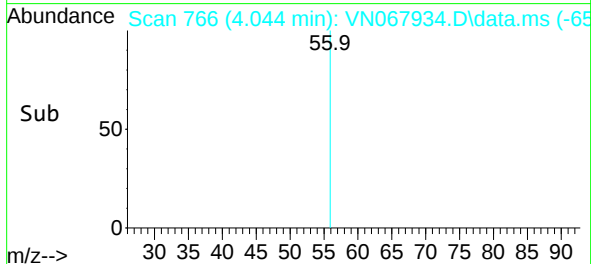
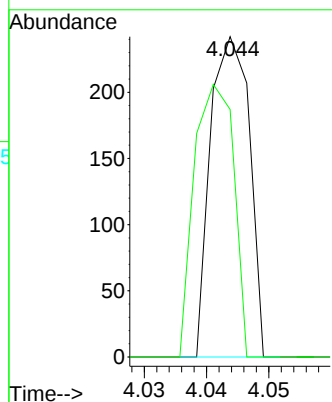
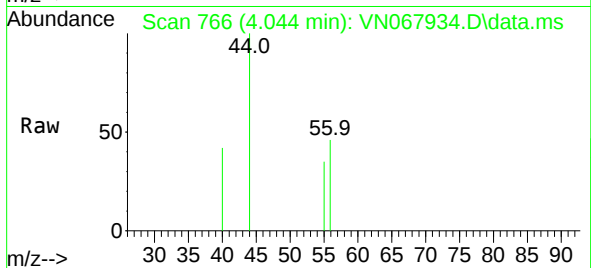




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

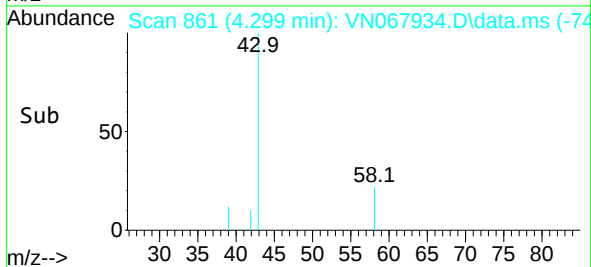
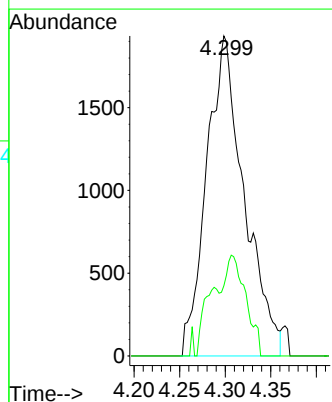
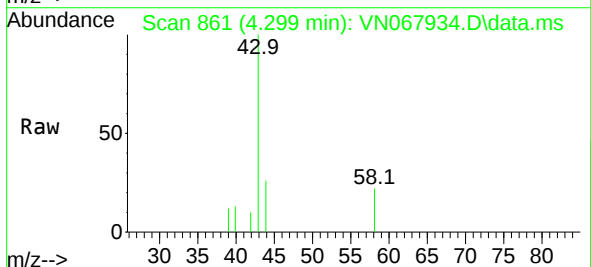
Instrument :
MSVOA_N
ClientSampled :

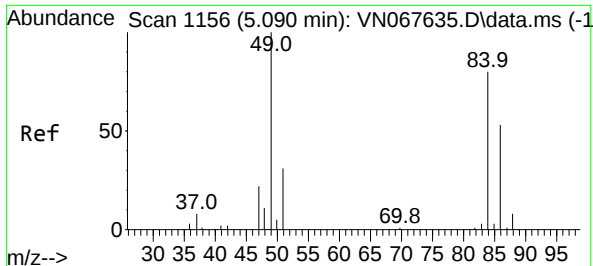
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 85.7 57.4 86.0



#16
Acetone
Concen: 3.951 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

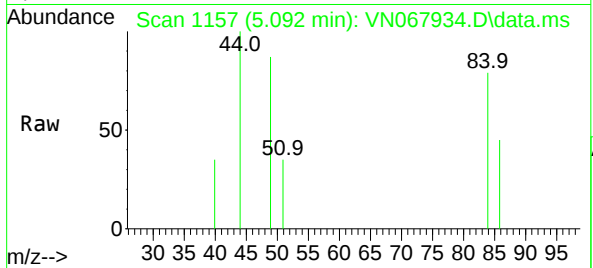
Tgt Ion: 43 Resp: 5543
Ion Ratio Lower Upper
43 100
58 21.9 21.2 31.8



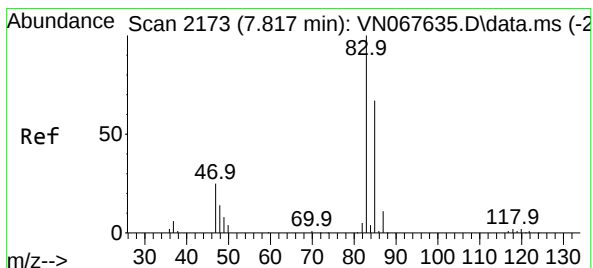
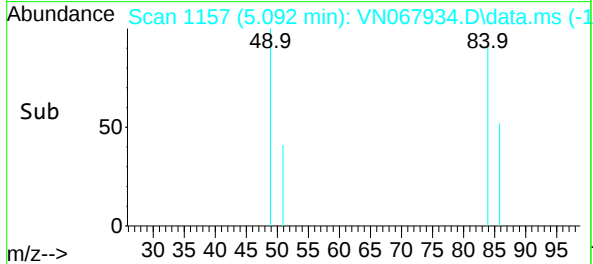
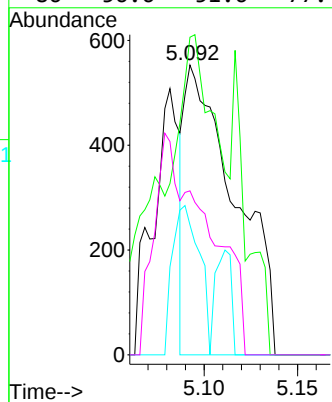


#20
Methylene Chloride
Concen: Below Cal
RT: 5.092 min Scan# 1157
Delta R.T. 0.002 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Instrument :
MSVOA_N
ClientSampled :

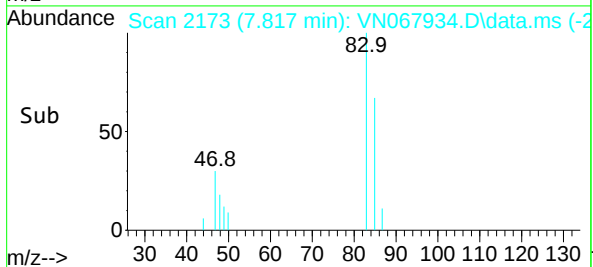
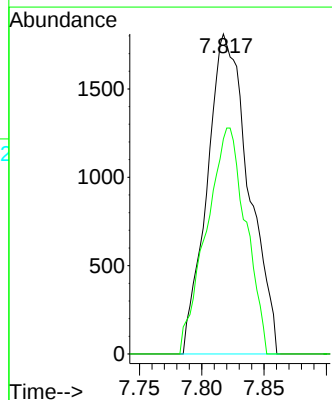
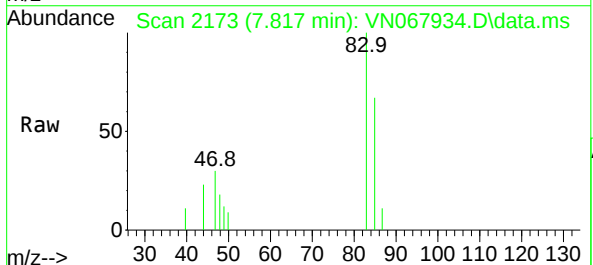


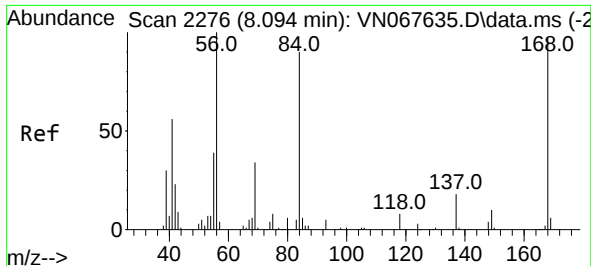
Tgt Ion:	84	Resp:	1044
Ion	Ratio	Lower	Upper
84	100		
49	109.6	110.9	166.3#
51	44.8	32.6	49.0
86	56.6	51.6	77.4



#30
Chloroform
Concen: 0.615 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion:	83	Resp:	4212
Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3

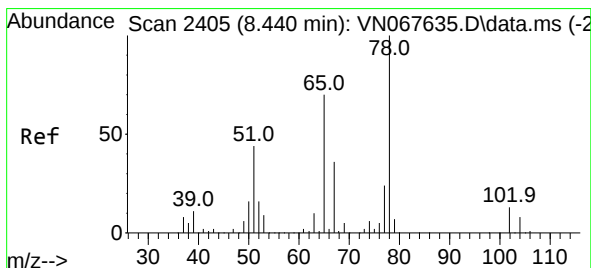
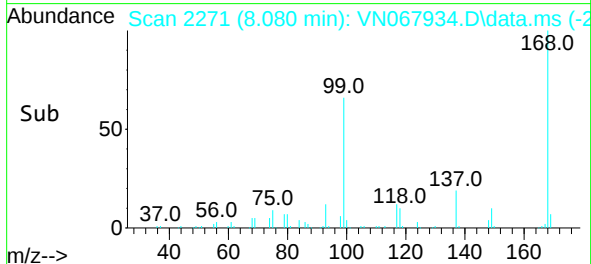
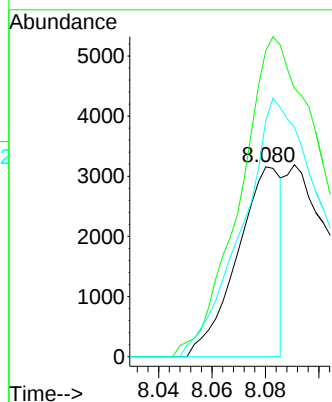
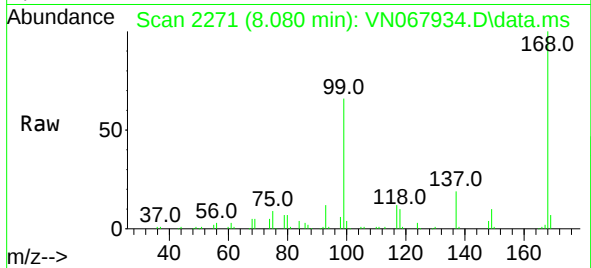




#31
Cyclohexane
Concen: 0.575 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

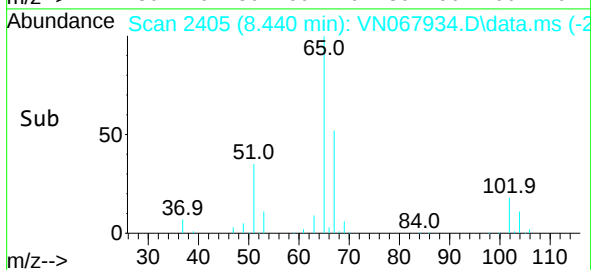
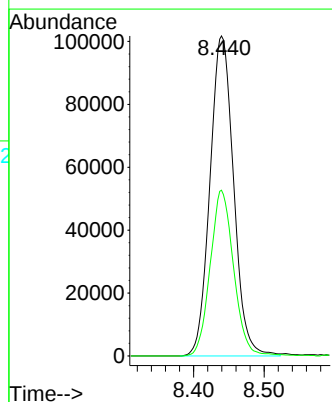
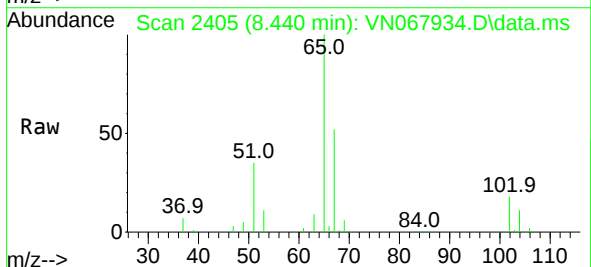
Instrument :
MSVOA_N
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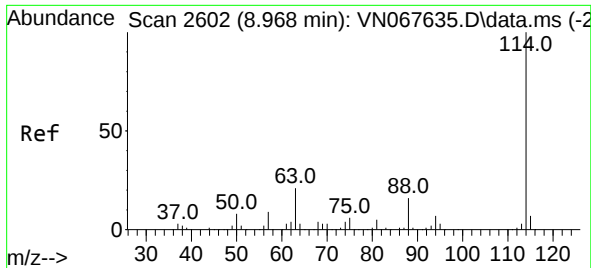
Tgt Ion: 56 Resp: 3593
Ion Ratio Lower Upper
56 100
69 155.4 27.3 40.9#
84 124.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.158 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion: 65 Resp: 237025
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

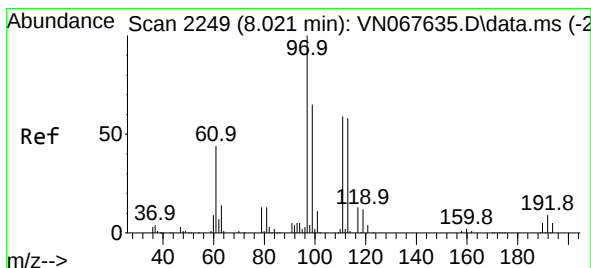
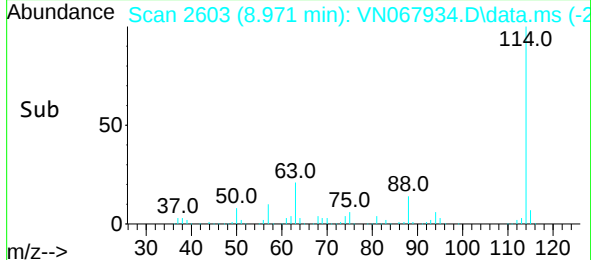
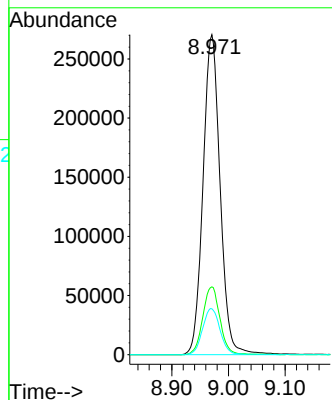
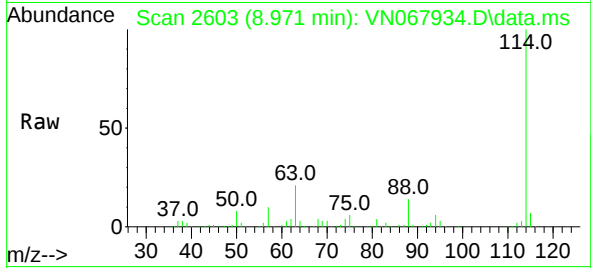




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

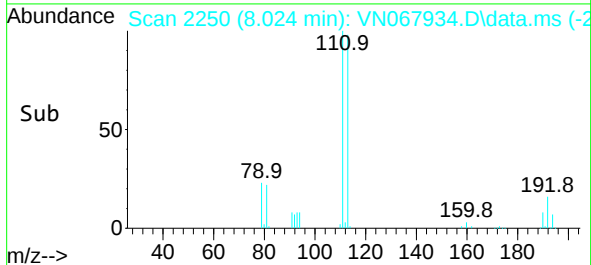
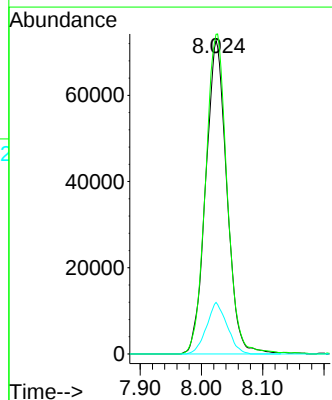
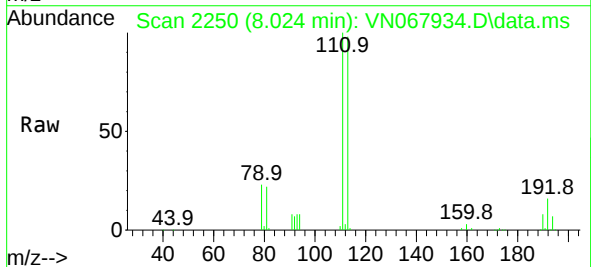
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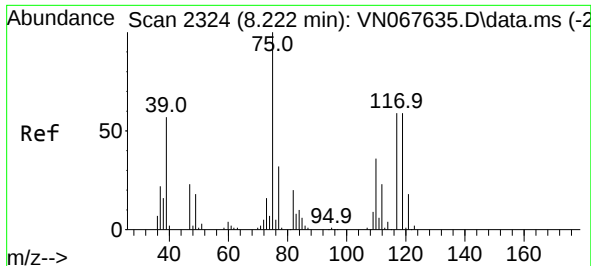
Tgt Ion:114 Resp: 567474
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 14.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.845 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion:113 Resp: 174324
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.0 13.4 20.0

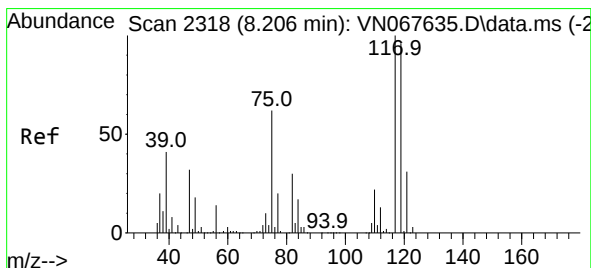
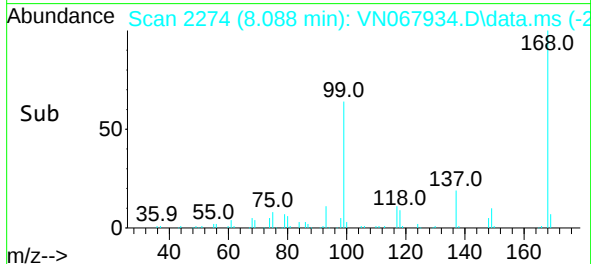
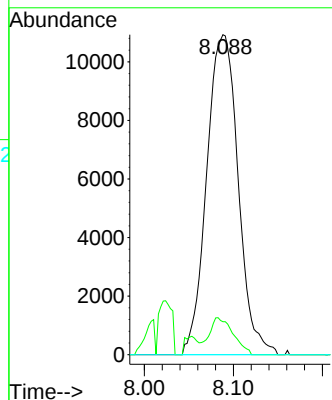
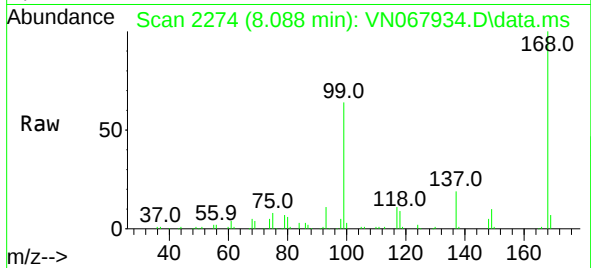




#36
 1,1-Dichloropropene
 Concen: 5.102 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN067934.D
 Acq: 27 Jul 2021 17:36

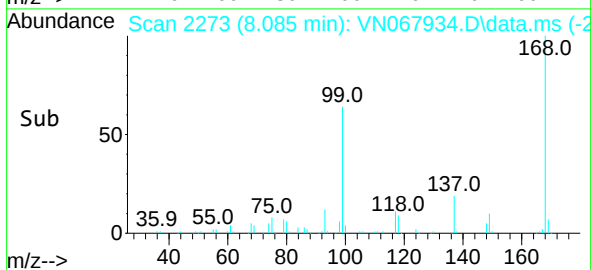
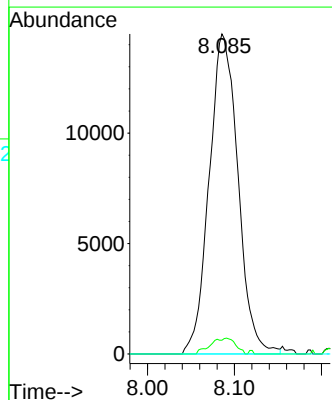
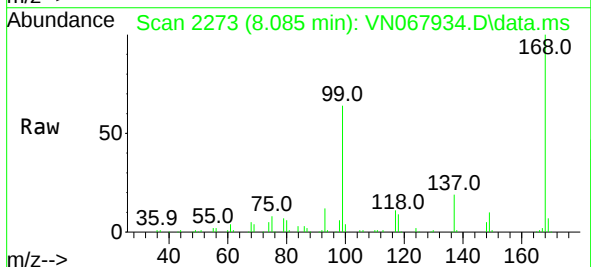
Instrument :
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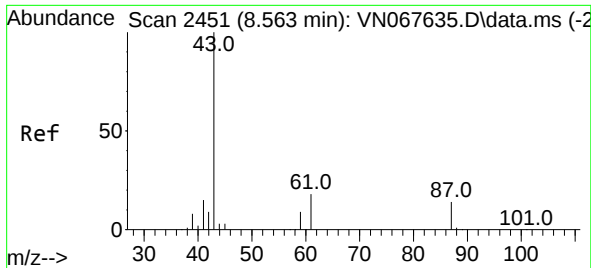
Tgt Ion: 75 Resp: 26896
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.7 47.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.411 ug/l
 RT: 8.085 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN067934.D
 Acq: 27 Jul 2021 17:36

Tgt Ion: 117 Resp: 33333
 Ion Ratio Lower Upper
 117 100
 119 4.3 75.4 113.2#
 121 0.0 23.5 35.3#

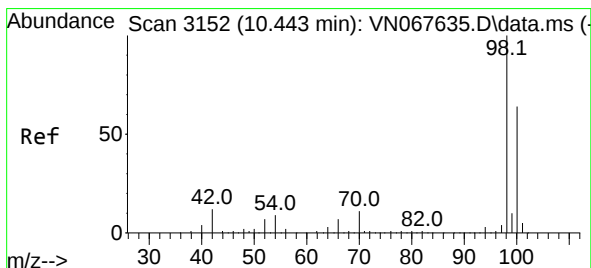
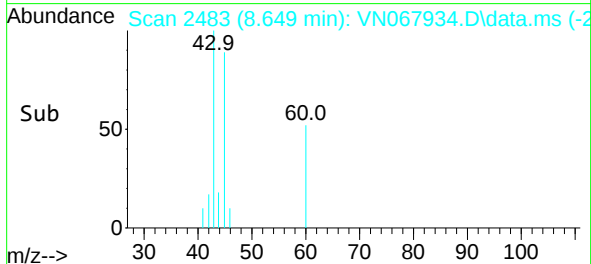
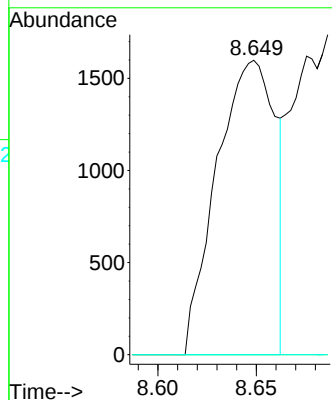
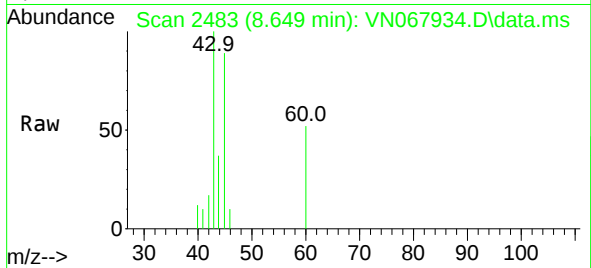




#43
Isopropyl Acetate
Concen: 0.368 ug/l
RT: 8.649 min Scan# 2483
Delta R.T. 0.086 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

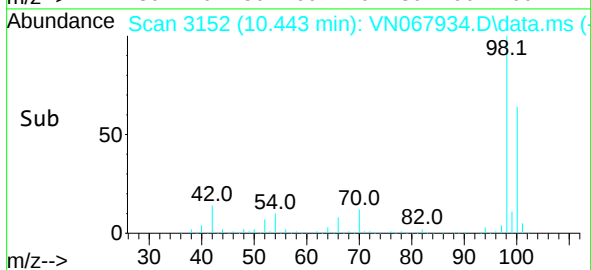
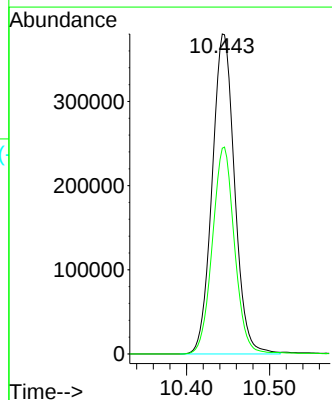
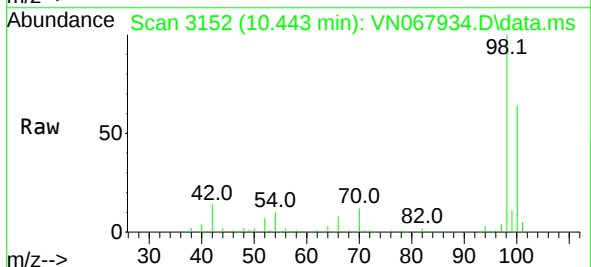
Instrument :
MSVOA_N
ClientSampled :

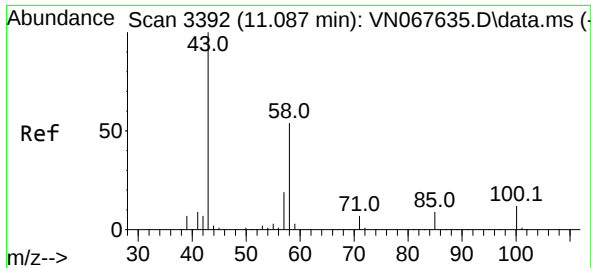
Tgt Ion: 43 Resp: 3306
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.742 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion: 98 Resp: 713846
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

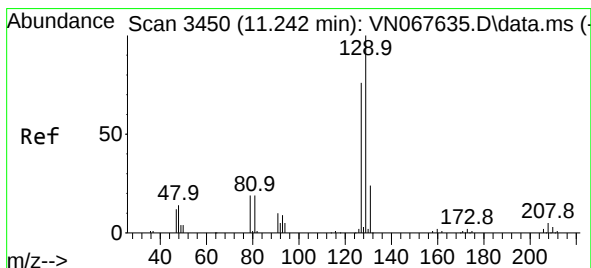
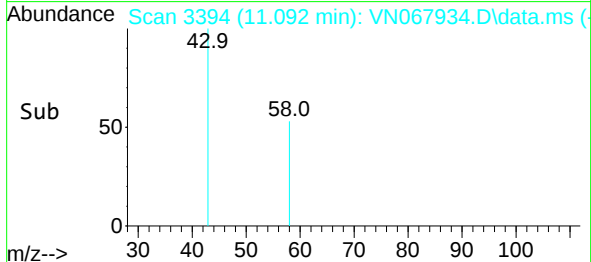
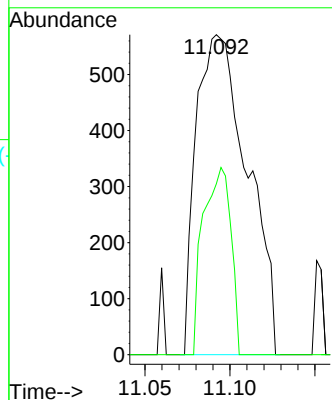
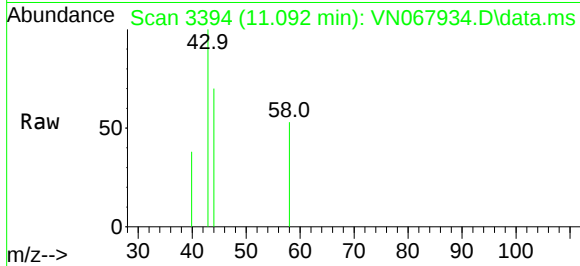




#59
2-Hexanone
Concen: 0.311 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

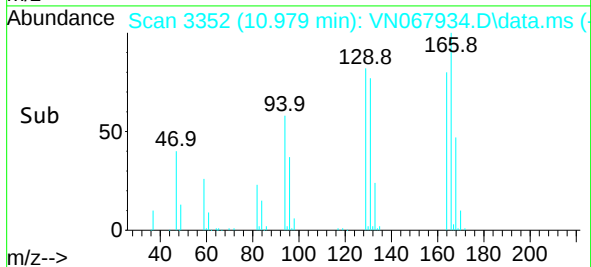
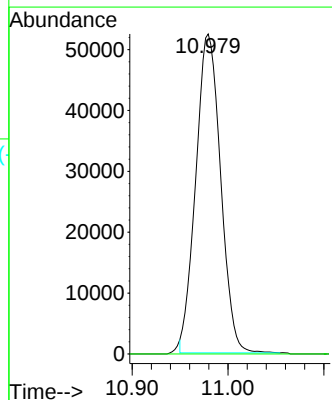
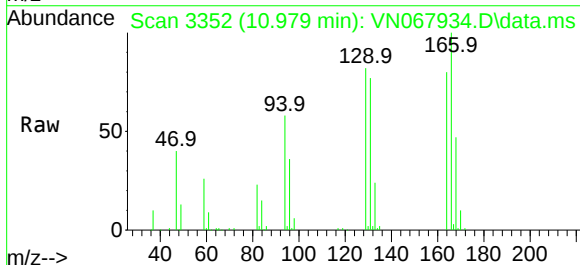
Instrument :
MSVOA_N
ClientSampled :

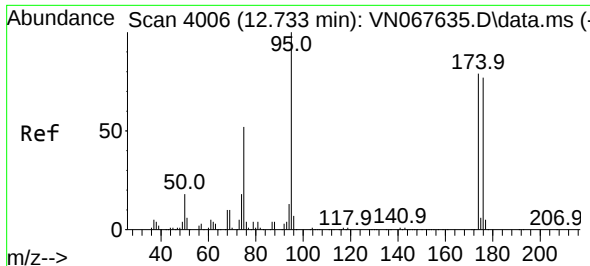
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 31.6 24.7 74.1



#60
Dibromochloromethane
Concen: 20.846 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion:129 Resp: 94331
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

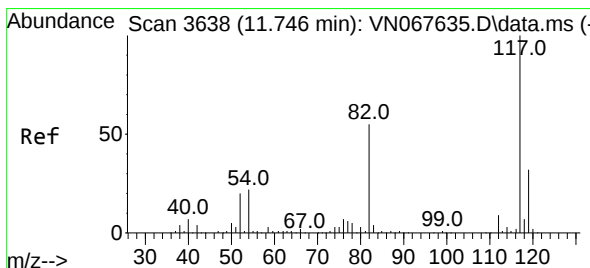
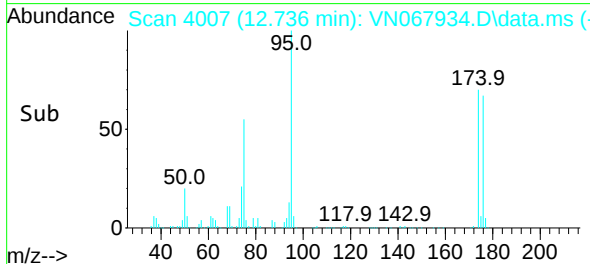
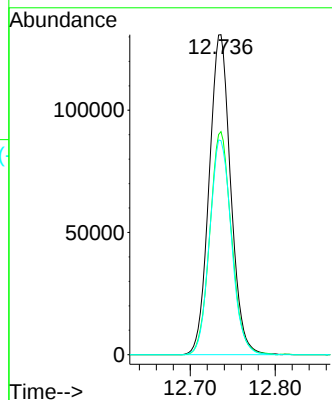
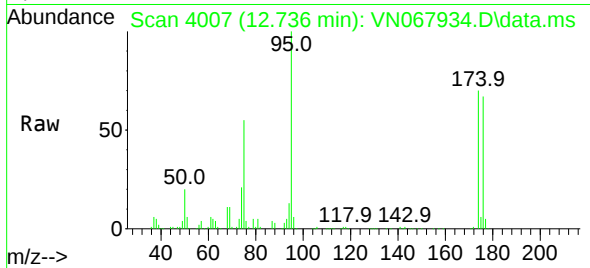




#62
4-Bromofluorobenzene
Concen: 45.504 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

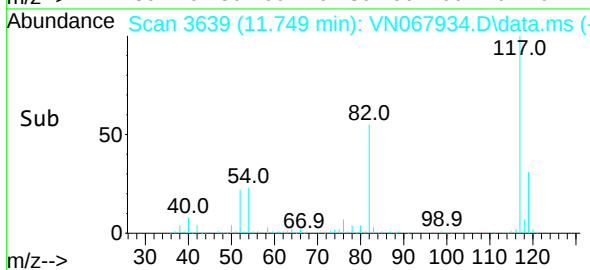
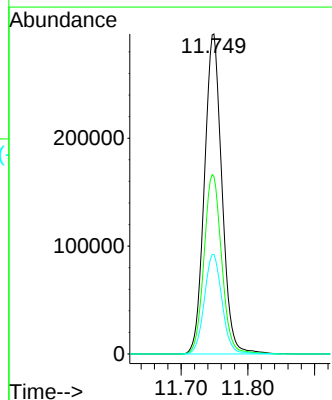
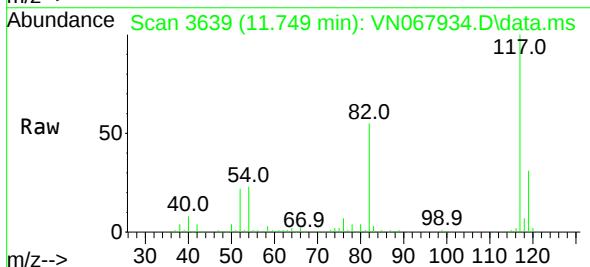
Instrument :
MSVOA_N
ClientSampleId :

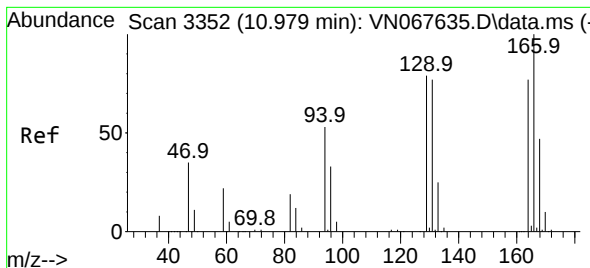
Tgt Ion: 95 Resp: 230686
Ion Ratio Lower Upper
95 100
174 70.0 0.0 122.0
176 68.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion: 117 Resp: 539860
Ion Ratio Lower Upper
117 100
82 55.4 53.1 79.7
119 31.1 25.5 38.3

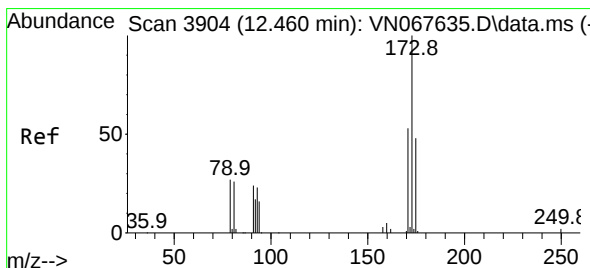
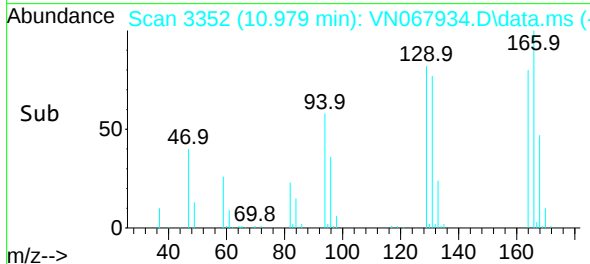
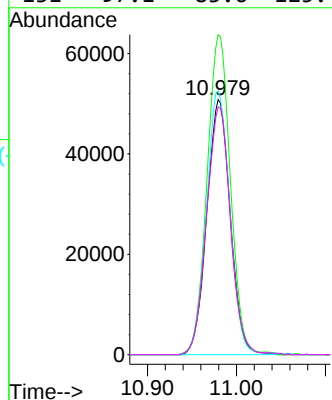
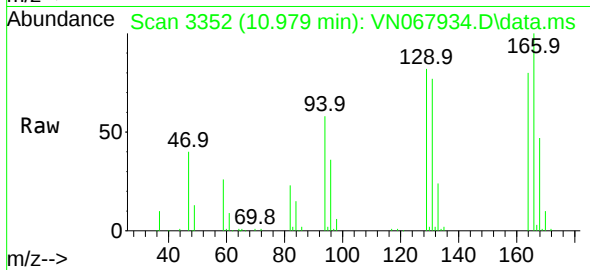




#64
Tetrachloroethene
Concen: 24.431 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

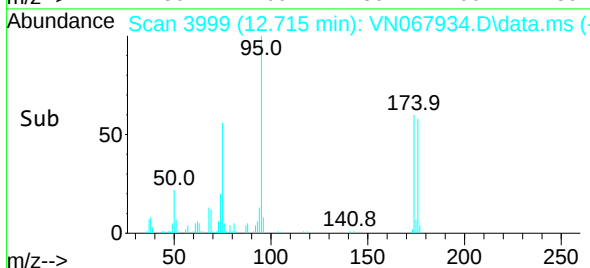
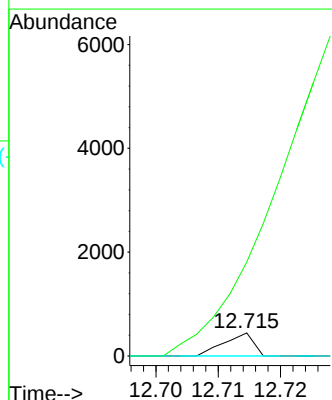
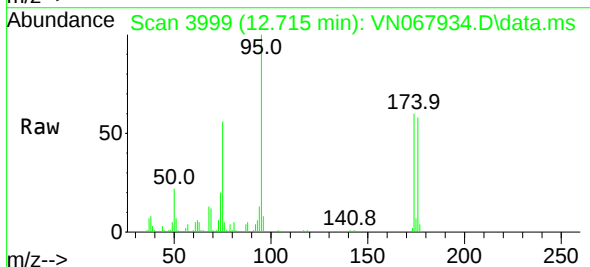
Instrument :
MSVOA_N
ClientSampled :

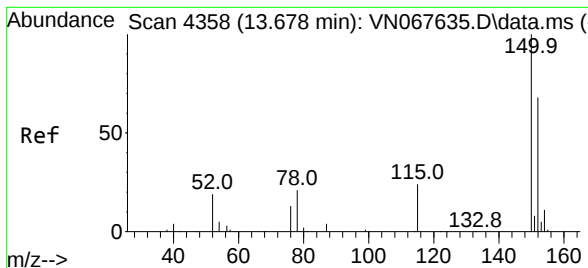
Tgt Ion:164 Resp: 93102
Ion Ratio Lower Upper
164 100
166 125.5 102.1 153.1
129 103.4 86.9 130.3
131 97.1 83.6 125.4



#71
Bromoform
Concen: 3.216 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

Tgt Ion:173 Resp: 147
Ion Ratio Lower Upper
173 100
175 8014.3 23.9 71.8#
254 0.0 0.0 0.0

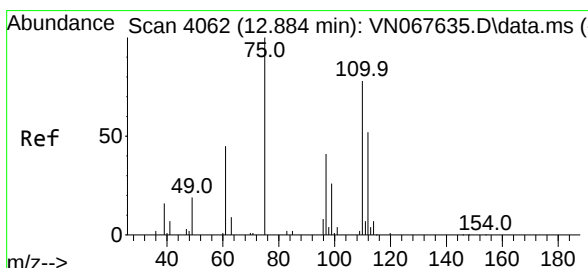
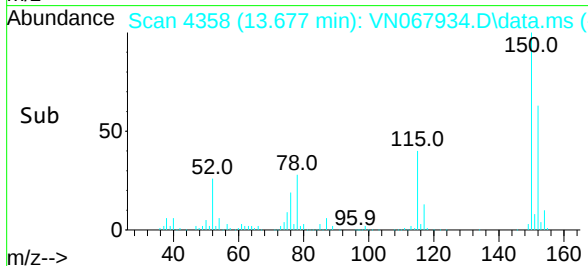
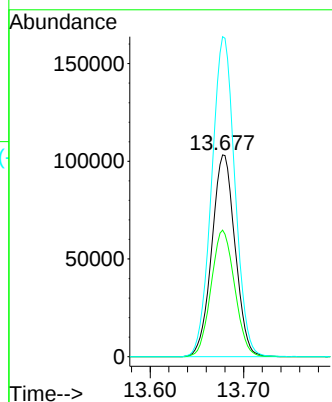
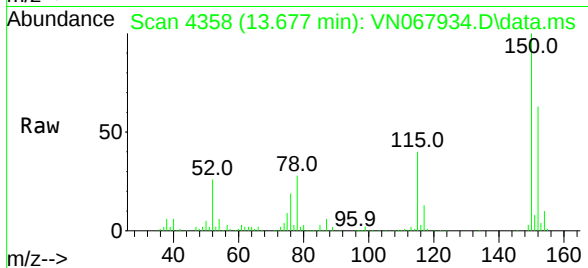




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN067934.D
 Acq: 27 Jul 2021 17:36

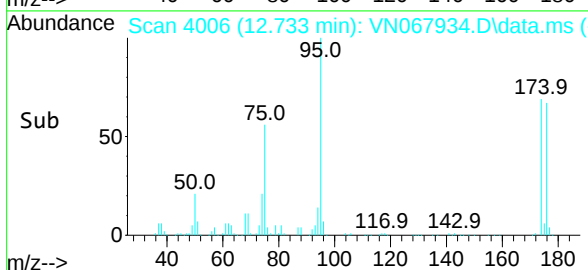
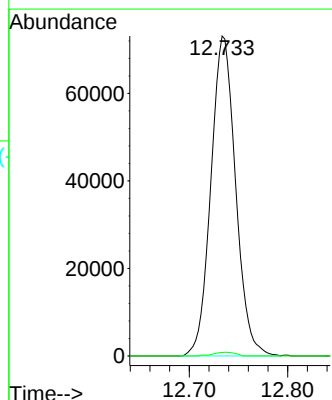
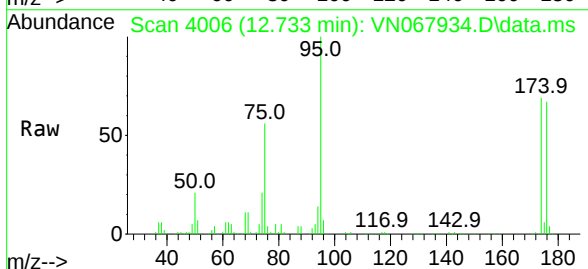
Instrument :
 MSVOA_N
 ClientSampled :

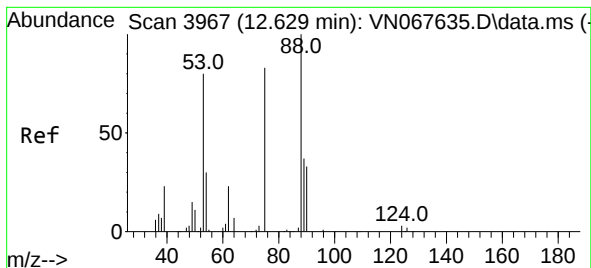
Tgt Ion:152 Resp: 179007
 Ion Ratio Lower Upper
 152 100
 115 63.5 36.1 108.5
 150 158.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 34.947 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067934.D
 Acq: 27 Jul 2021 17:36

Tgt Ion: 75 Resp: 127753
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

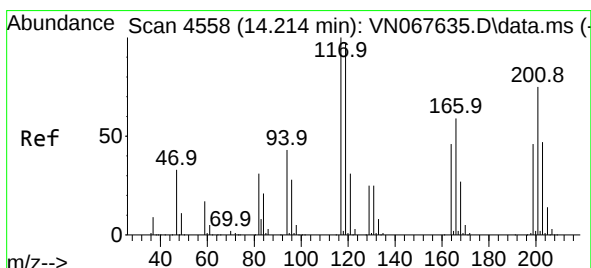
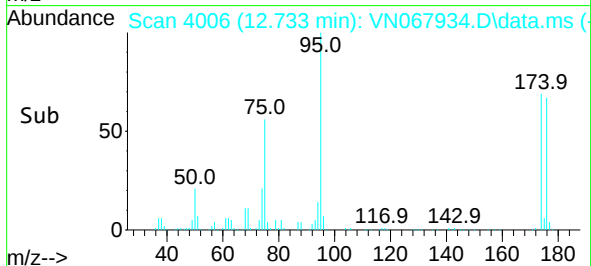
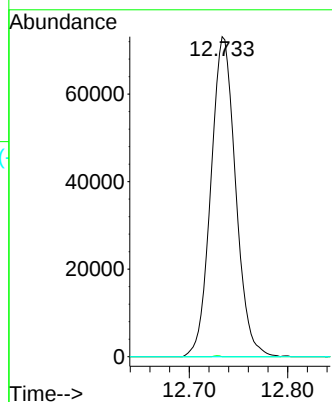
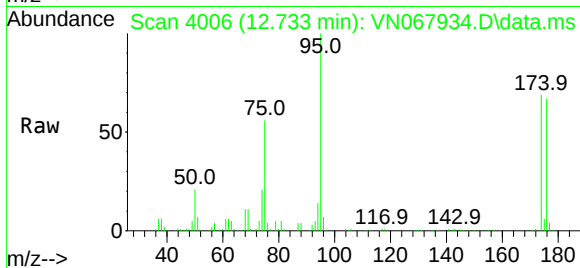




#81
trans-1,4-Dichloro-2-butene
Concen: 112.672 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

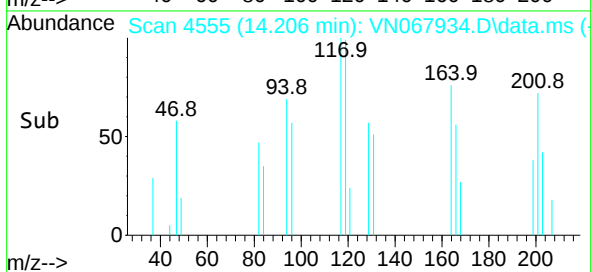
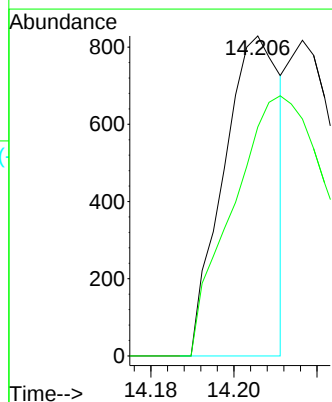
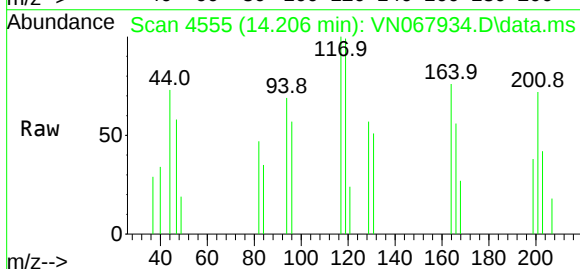
Instrument :
MSVOA_N
ClientSampled :

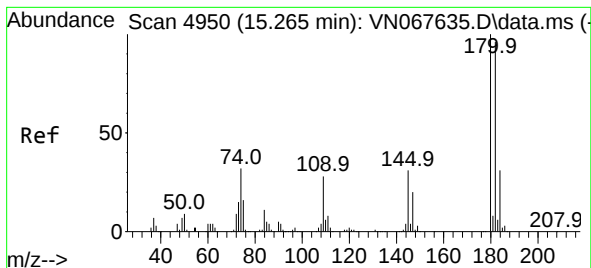
Tgt Ion: 75 Resp: 127753
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#90
Hexachloroethane
Concen: 0.420 ug/l
RT: 14.206 min Scan# 4555
Delta R.T. -0.008 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

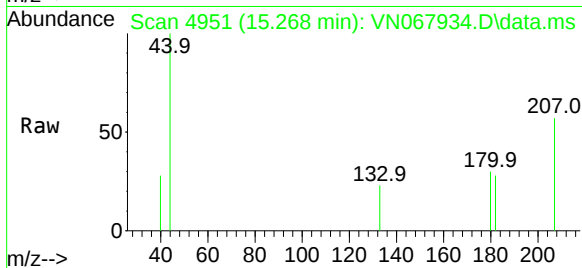
Tgt Ion: 117 Resp: 778
Ion Ratio Lower Upper
117 100
201 146.3 33.5 100.5#



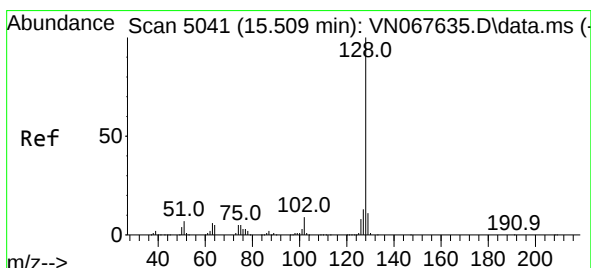
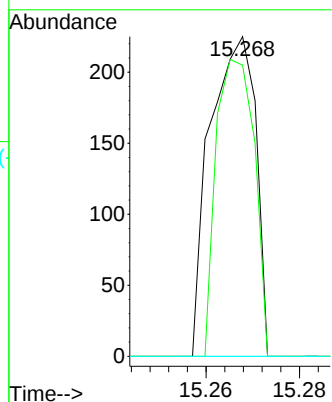
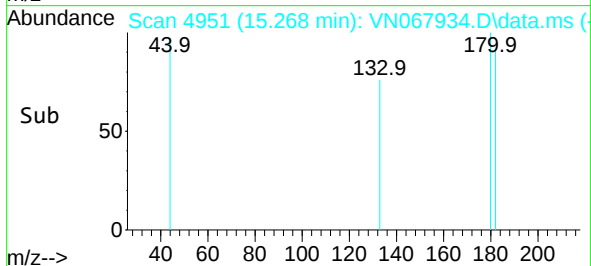


#93
1,2,4-Trichlorobenzene
Concen: 2.723 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36

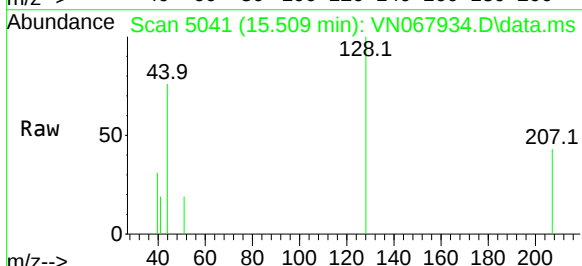
Instrument :
MSVOA_N
ClientSampled :



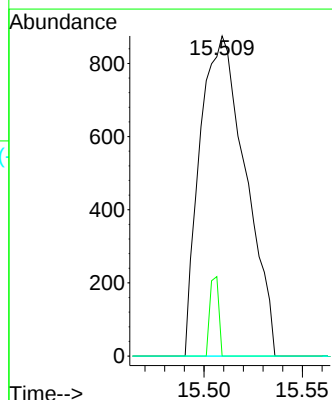
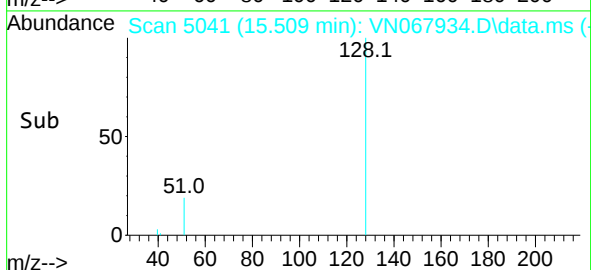
Tgt Ion:180 Resp: 152
Ion Ratio Lower Upper
180 100
182 77.6 47.5 142.5
145 0.0 17.2 51.6#

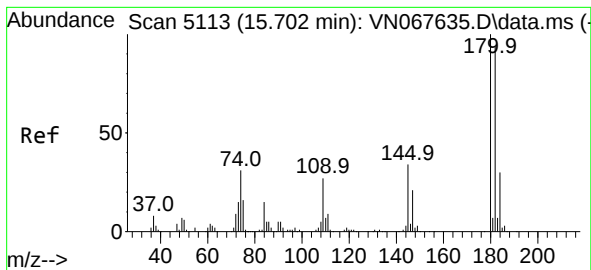


#95
Naphthalene
Concen: 3.163 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067934.D
Acq: 27 Jul 2021 17:36



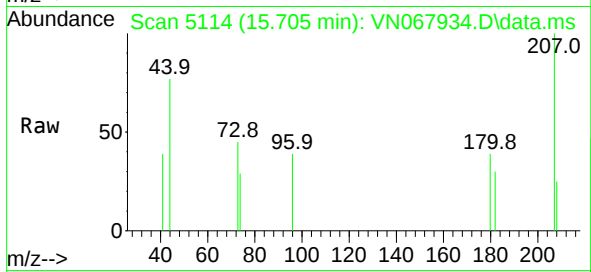
Tgt Ion:128 Resp: 1408
Ion Ratio Lower Upper
128 100
127 4.8 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.668 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067934.D
 Acq: 27 Jul 2021 17:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 106
 Ion Ratio Lower Upper
 180 100
 182 206.6 47.8 143.3#
 145 0.0 18.2 54.6#

