

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067908.D
 Acq On : 26 Jul 2021 15:38
 Operator : JC/MD
 Sample : M3147-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:30:26 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)

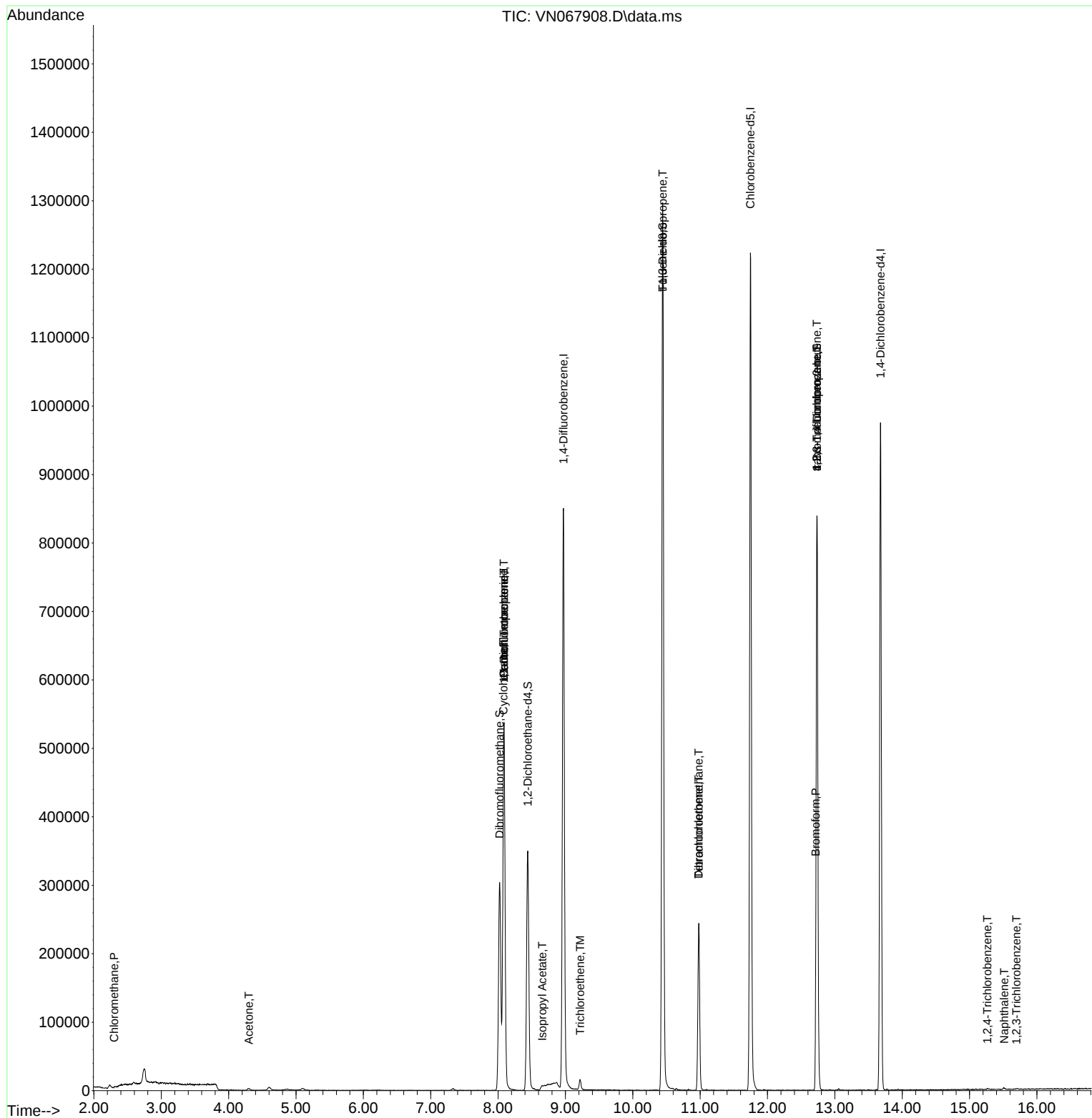
Internal Standards						
1) Pentafluorobenzene	8.088	168	380403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	740113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	702920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	254228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	300930	52.344	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.680%		
35) Dibromofluoromethane	8.021	113	222667	49.796	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 99.600%		
50) Toluene-d8	10.443	98	912541	48.755	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 97.500%		
62) 4-Bromofluorobenzene	12.734	95	298513	45.148	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 90.300%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	1111	0.217	ug/l #	88
5) Bromomethane	2.858	94	351	Below Cal	#	53
6) Chloroethane	3.054	64	158	Below Cal	#	44
13) Acrolein	4.041	56	52	Below Cal	#	66
16) Acetone	4.299	43	2922	1.615	ug/l	95
20) Methylene Chloride	5.093	84	304	Below Cal	#	57
31) Cyclohexane	8.080	56	5129	0.636	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	34701	5.047	ug/l #	51
38) Carbon Tetrachloride	8.088	117	42904	6.327	ug/l #	16
43) Isopropyl Acetate	8.657	43	5453	0.465	ug/l #	58
44) Trichloroethene	9.217	130	4755	0.910	ug/l	84
53) t-1,3-Dichloropropene	10.443	75	112	1.757	ug/l #	1
60) Dibromochloromethane	10.980	129	52694	10.276	ug/l #	11
64) Tetrachloroethene	10.980	164	52685	10.618	ug/l	97
71) Bromoform	12.717	173	127	3.202	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	168237	32.404	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	168237	104.475	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	448	2.774	ug/l #	73
95) Naphthalene	15.515	128	2325	3.188	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.694	180	264	2.694	ug/l #	27

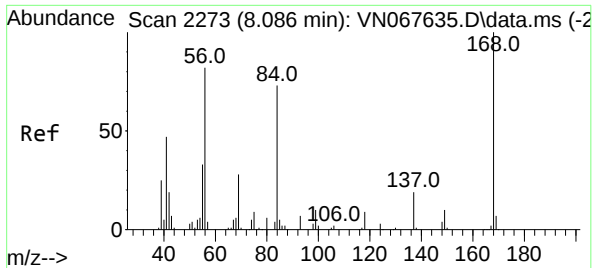
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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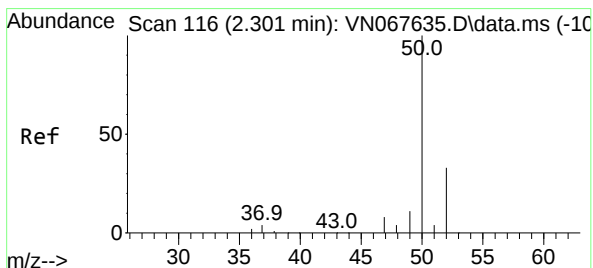
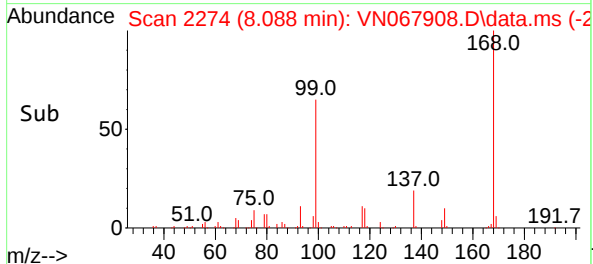
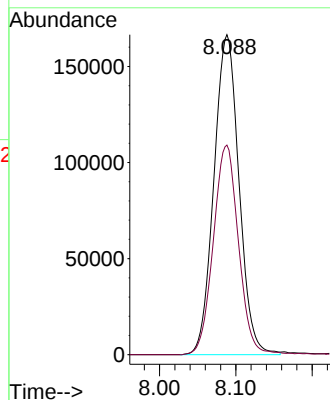
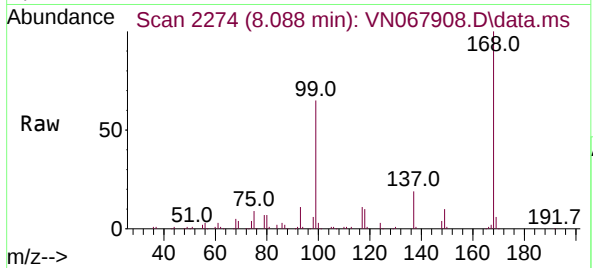




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

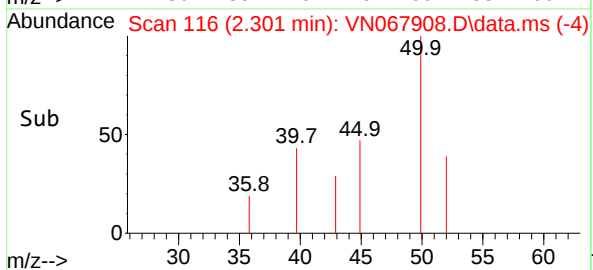
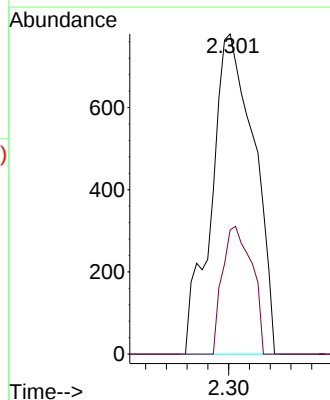
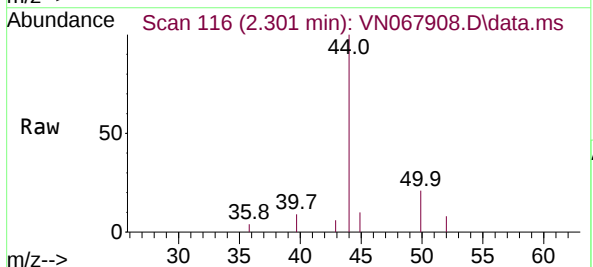
Instrument :
MSVOA_N
ClientSampled :

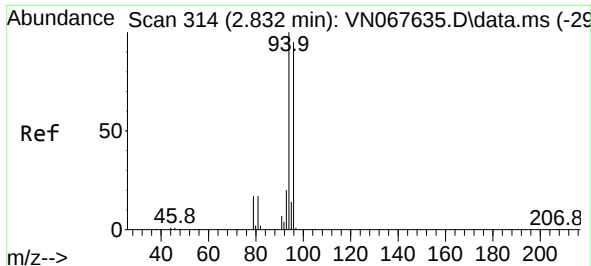
Tgt Ion:168 Resp: 380403
Ion Ratio Lower Upper
168 100
99 65.5 62.9 94.3



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

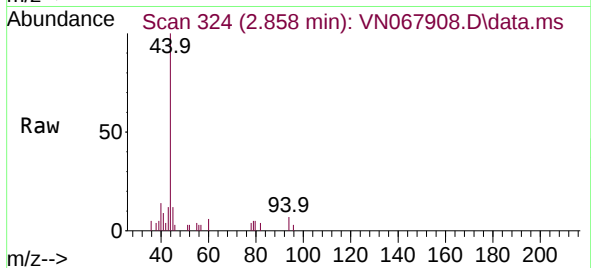
Tgt Ion: 50 Resp: 1111
Ion Ratio Lower Upper
50 100
52 38.8 25.6 38.4#



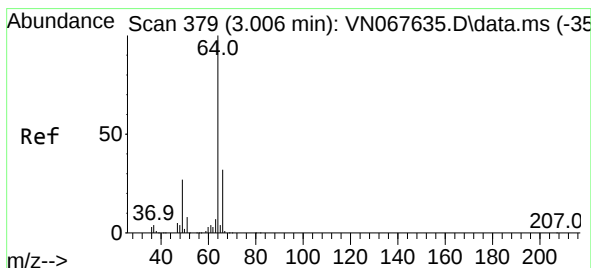
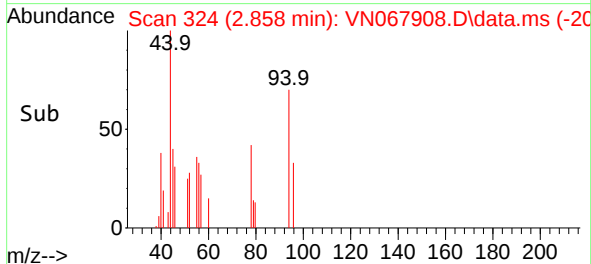
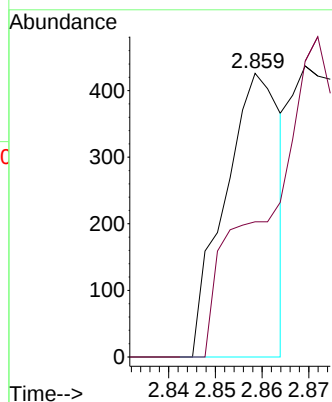


#5
Bromomethane
Concen: Below Cal
RT: 2.858 min Scan# 324
Delta R.T. 0.026 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :

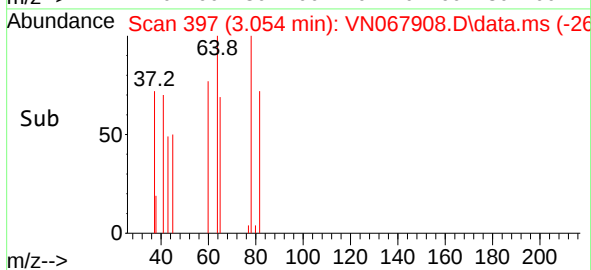
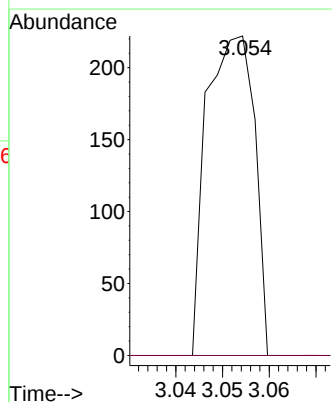
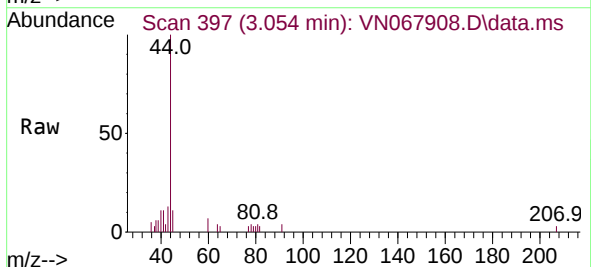


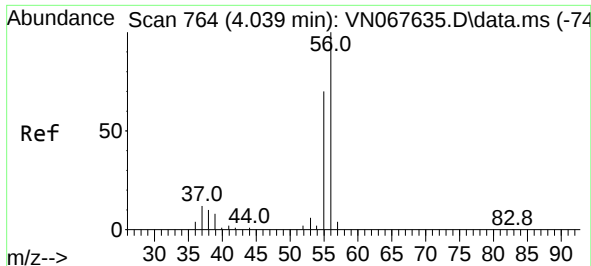
Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 47.7 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.054 min Scan# 397
Delta R.T. 0.048 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

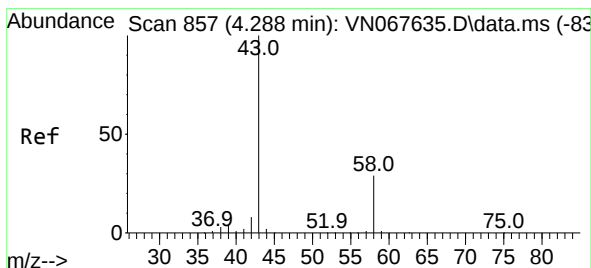
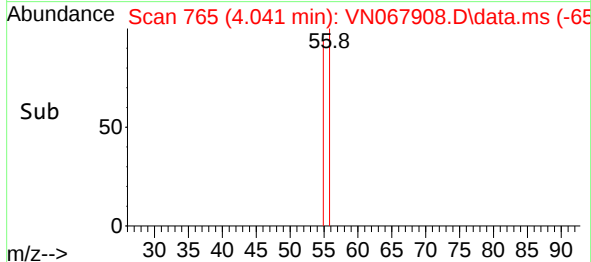
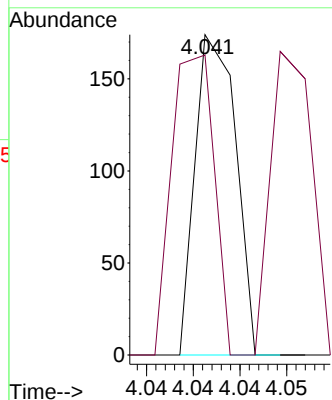
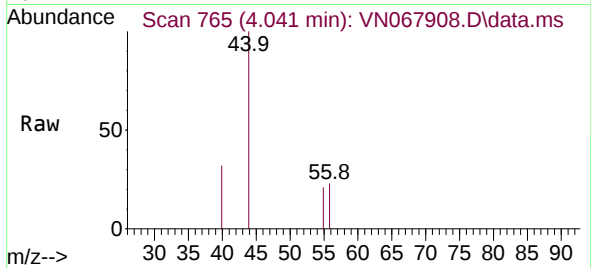




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

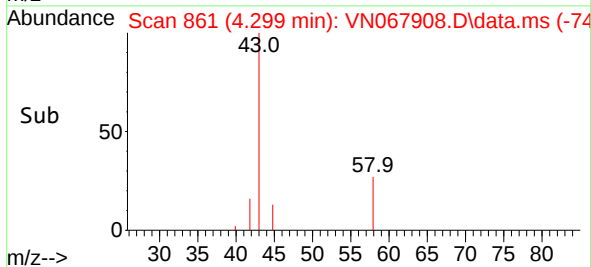
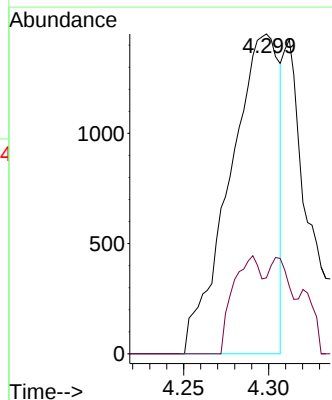
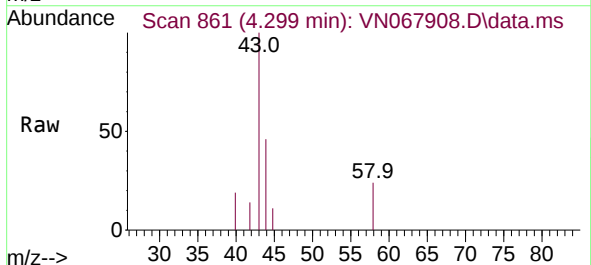
Instrument :
MSVOA_N
ClientSampled :

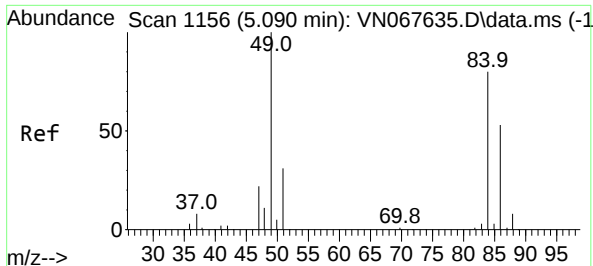
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 100.0 57.4 86.0#



#16
Acetone
Concen: 1.615 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion: 43 Resp: 2922
Ion Ratio Lower Upper
43 100
58 23.8 21.2 31.8





#20

Methylene Chloride

Concen: Below Cal

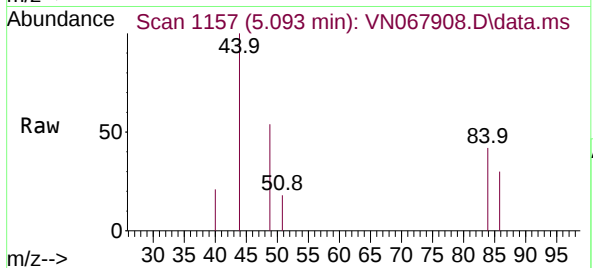
RT: 5.093 min Scan# 1157

Delta R.T. 0.003 min

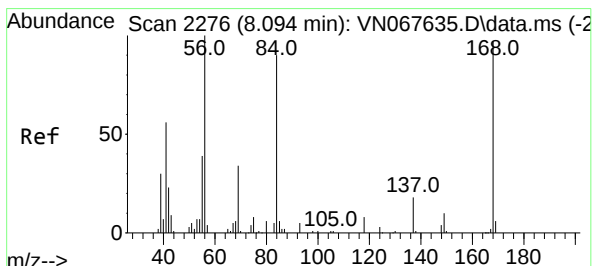
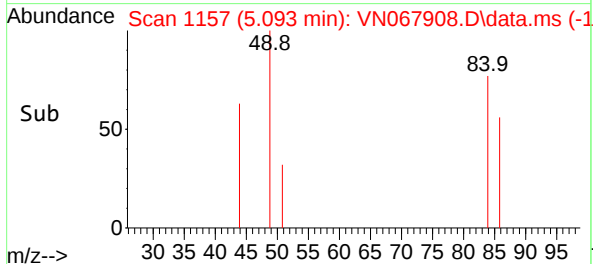
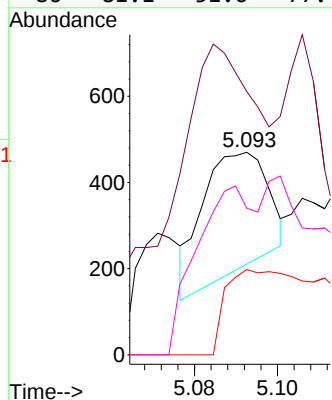
Lab File: VN067908.D

Acq: 26 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	84	Resp:	304
Ion	Ratio	Lower	Upper
84	100		
49	88.0	110.9	166.3#
51	91.2	32.6	49.0#
86	81.1	51.6	77.4#



#31

Cyclohexane

Concen: 0.636 ug/l

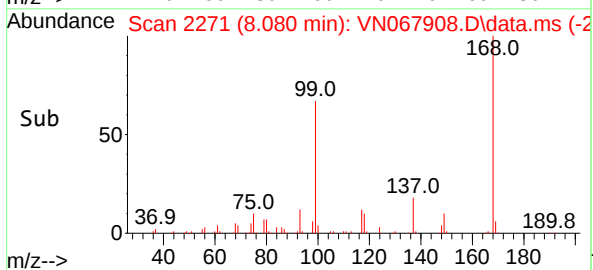
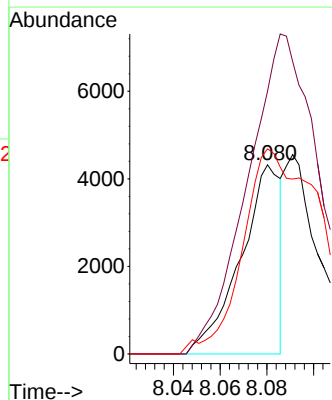
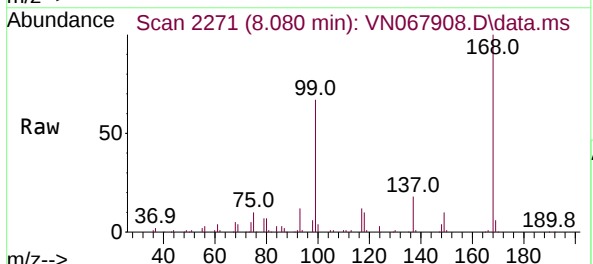
RT: 8.080 min Scan# 2271

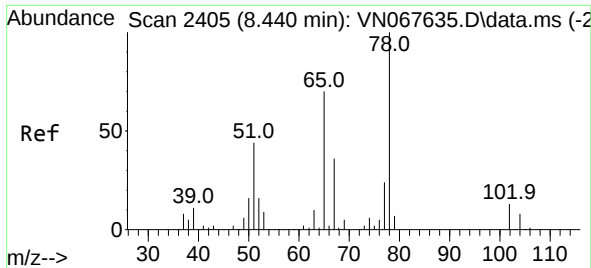
Delta R.T. -0.014 min

Lab File: VN067908.D

Acq: 26 Jul 2021 15:38

Tgt Ion:	56	Resp:	5129
Ion	Ratio	Lower	Upper
56	100		
69	138.9	27.3	40.9#
84	108.4	64.9	97.3#

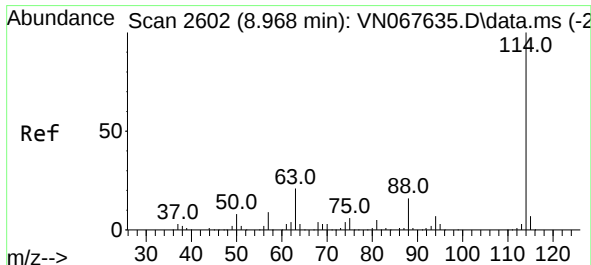
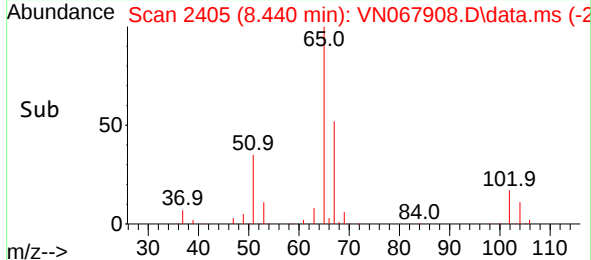
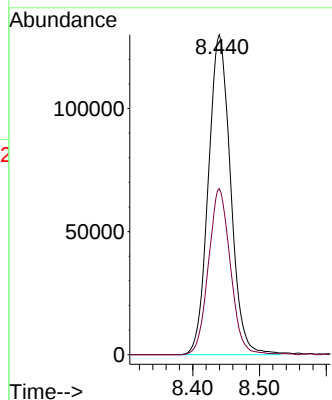
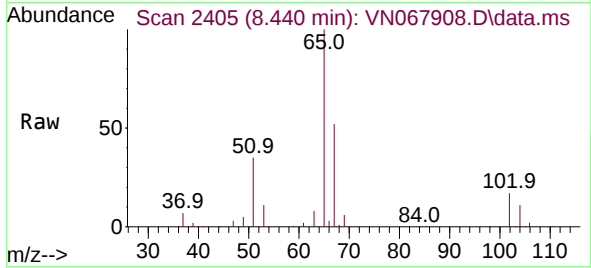




#33
 1,2-Dichloroethane-d4
 Concen: 52.344 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067908.D
 Acq: 26 Jul 2021 15:38

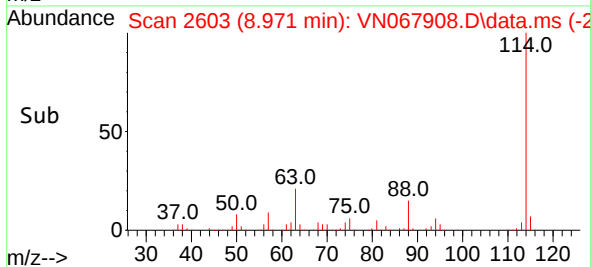
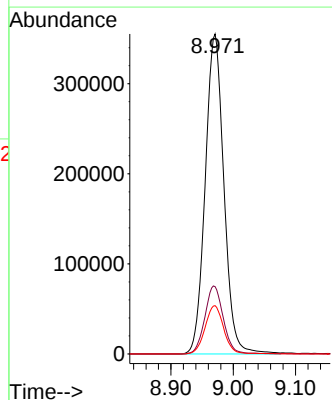
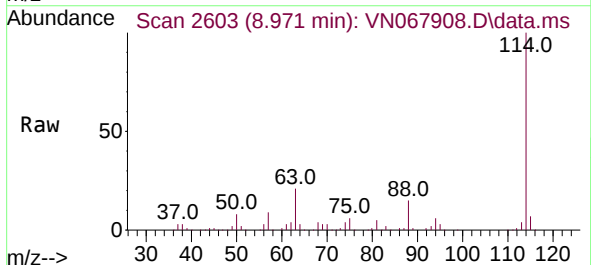
Instrument :
 MSVOA_N
 ClientSampled :

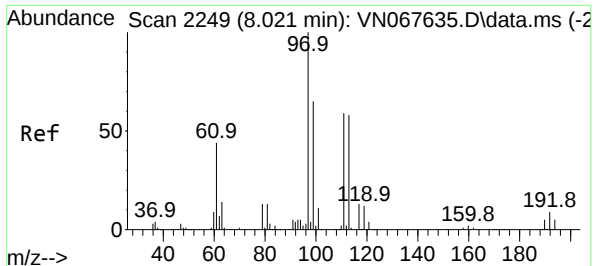
Tgt Ion: 65 Resp: 300930
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067908.D
 Acq: 26 Jul 2021 15:38

Tgt Ion: 114 Resp: 740113
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 49.0
 88 15.1 0.0 36.6

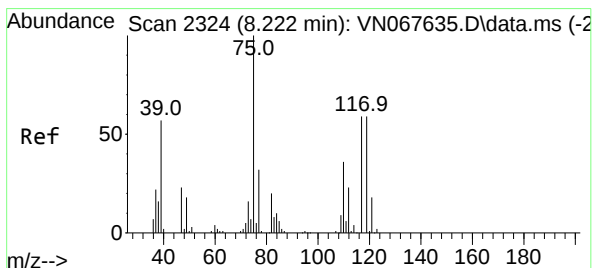
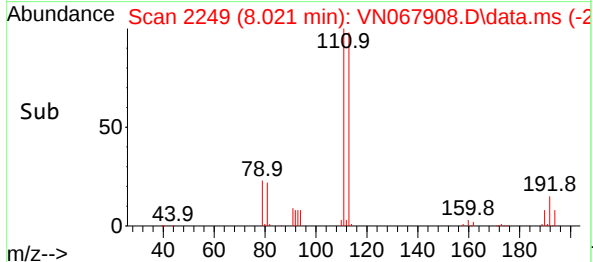
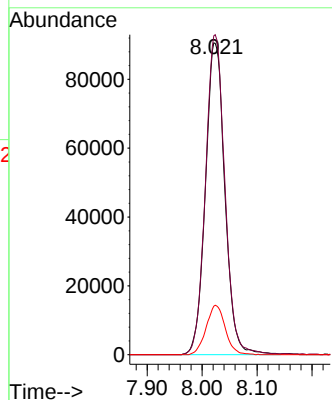
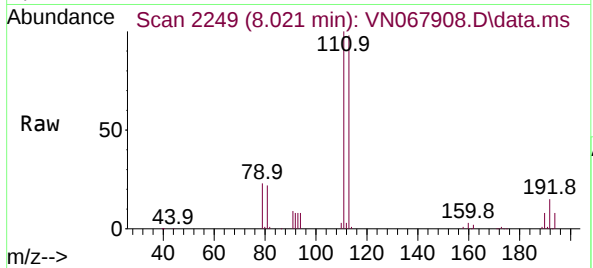




#35
Dibromofluoromethane
Concen: 49.796 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

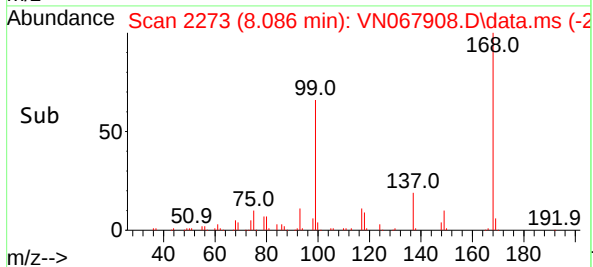
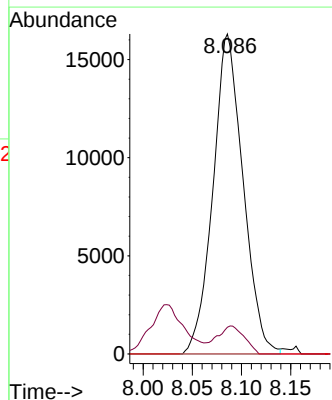
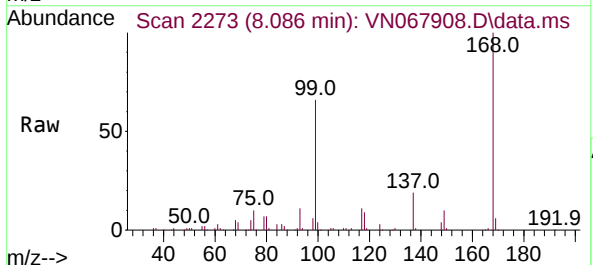
Instrument :
MSVOA_N
ClientSampled :

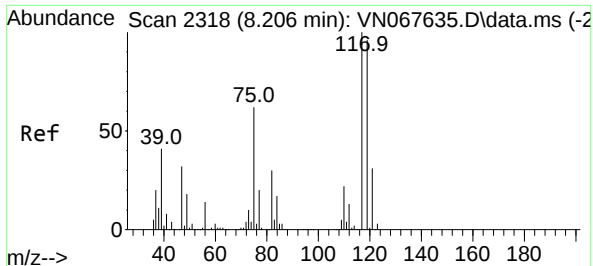
Tgt Ion:113 Resp: 222667
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.8
192 15.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

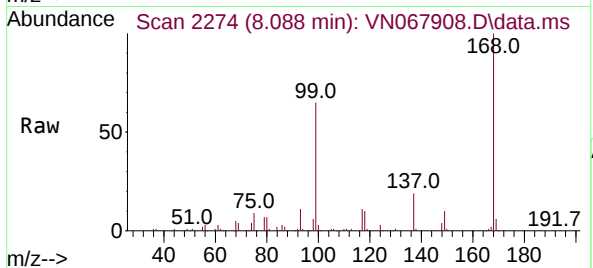
Tgt Ion: 75 Resp: 34701
Ion Ratio Lower Upper
75 100
110 8.0 15.7 47.0#
77 0.0 24.6 37.0#



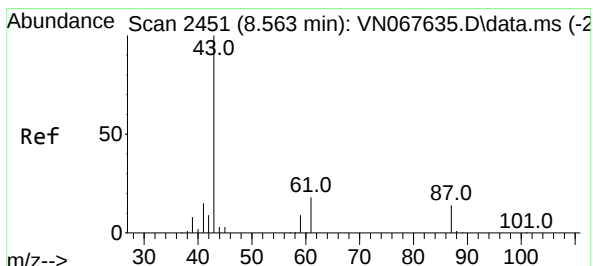
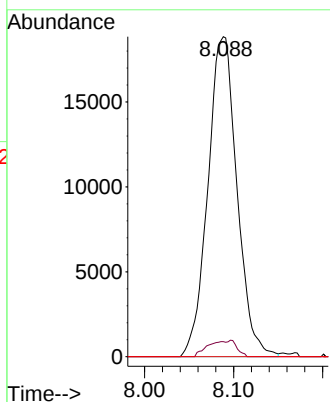
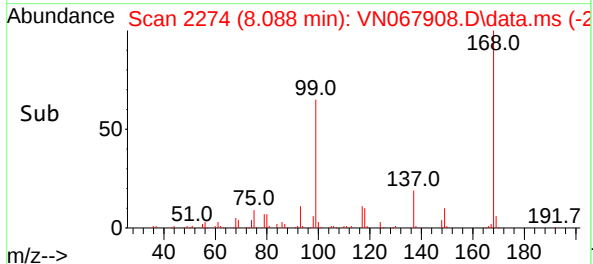


#38
Carbon Tetrachloride
Concen: 6.327 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

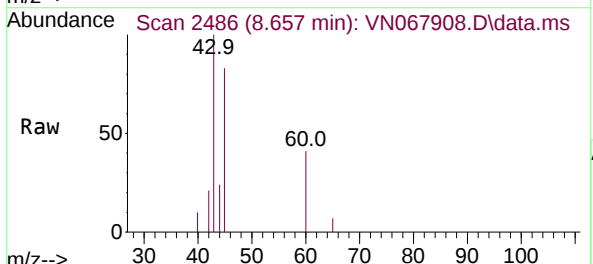
Instrument :
MSVOA_N
ClientSampled :



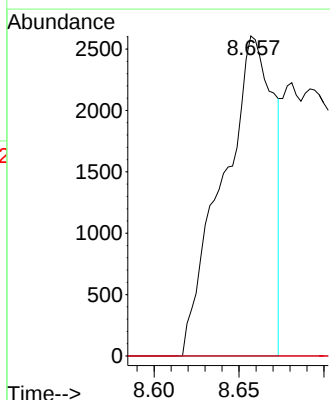
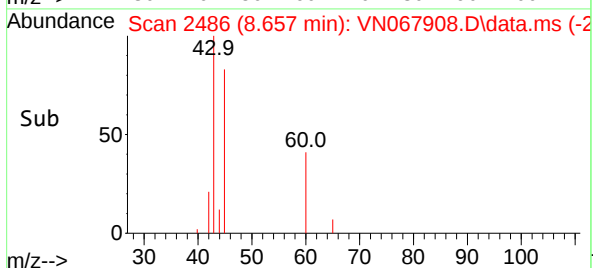
Tgt Ion:117 Resp: 42904
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

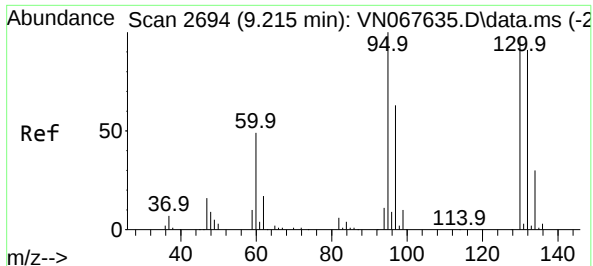


#43
Isopropyl Acetate
Concen: 0.465 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38



Tgt Ion: 43 Resp: 5453
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

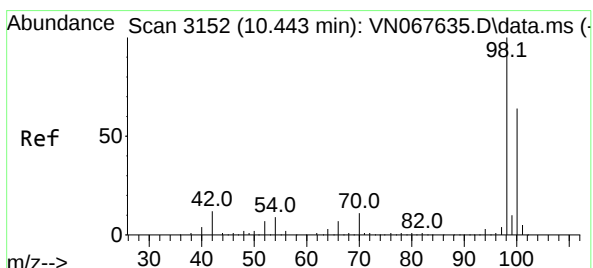
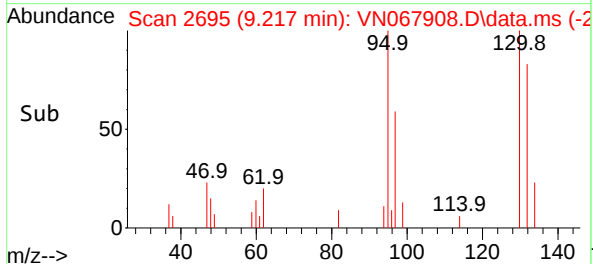
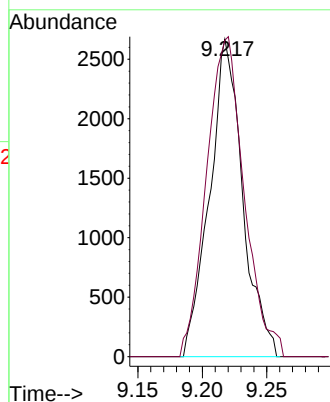
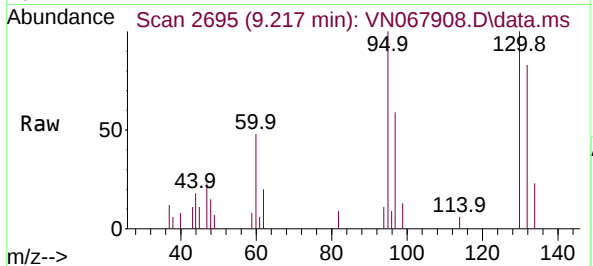




#44
Trichloroethene
Concen: 0.910 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.002 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

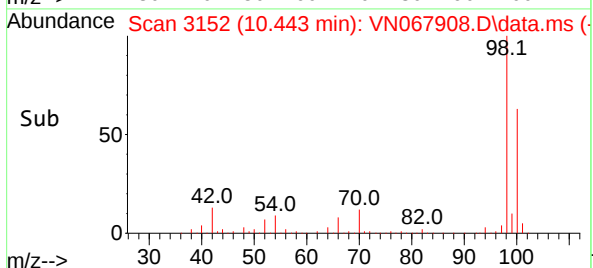
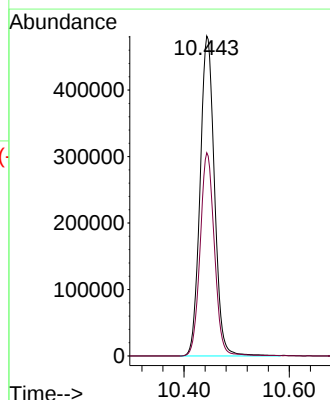
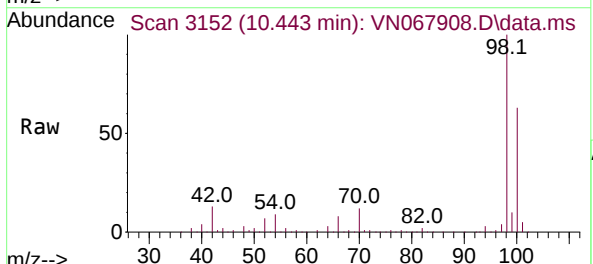
Instrument :
MSVOA_N
ClientSampled :

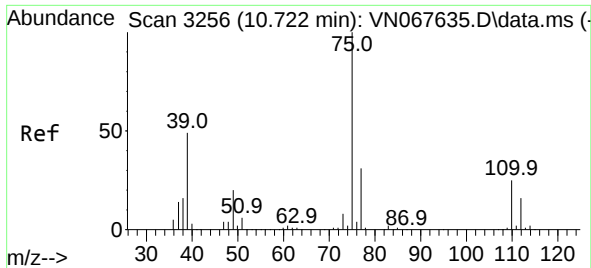
Tgt Ion:130 Resp: 4755
Ion Ratio Lower Upper
130 100
95 99.7 0.0 234.4



#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion: 98 Resp: 912541
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5

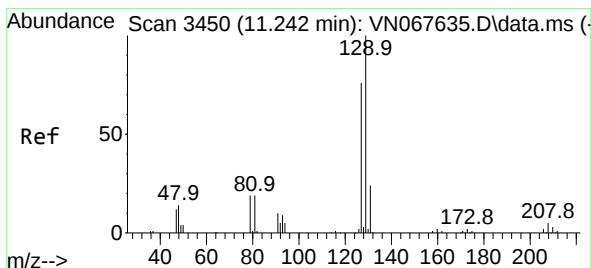
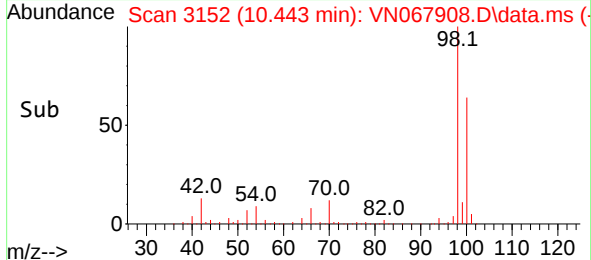
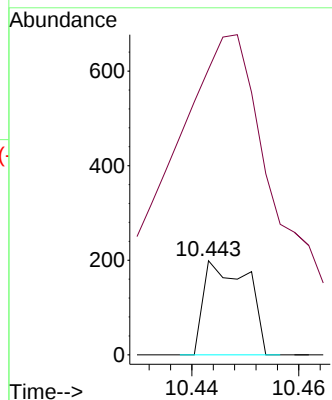
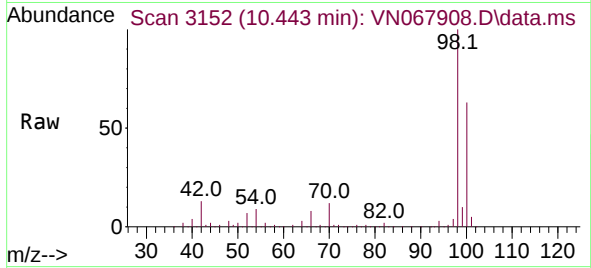




#53
t-1,3-Dichloropropene
Concen: 1.757 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

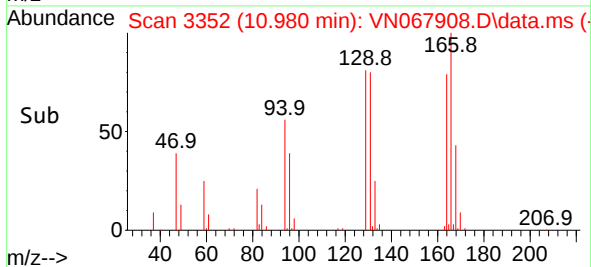
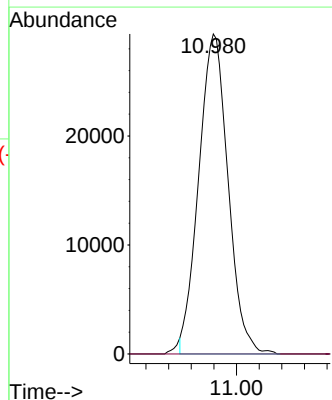
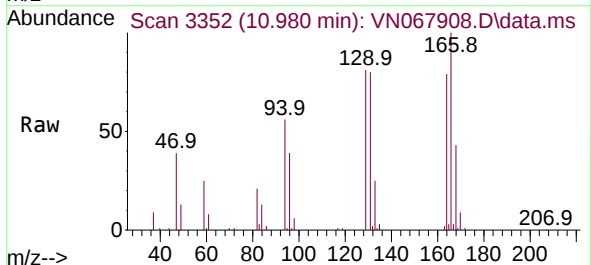
Instrument :
MSVOA_N
ClientSampled :

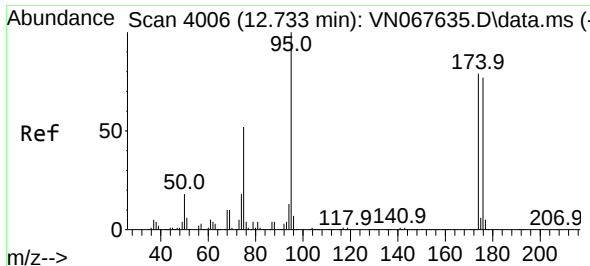
Tgt Ion: 75 Resp: 112
Ion Ratio Lower Upper
75 100
77 164.8 25.1 37.7#



#60
Dibromochloromethane
Concen: 10.276 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion:129 Resp: 52694
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

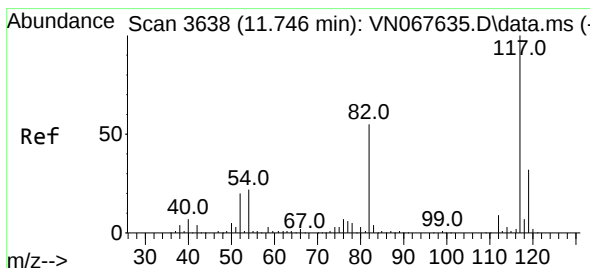
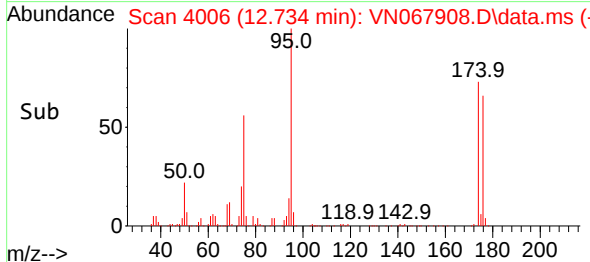
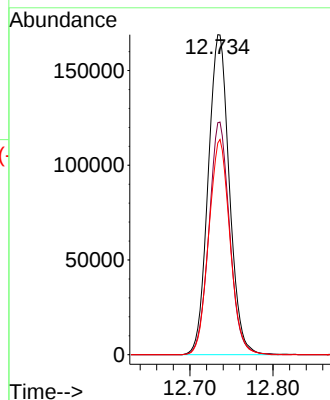
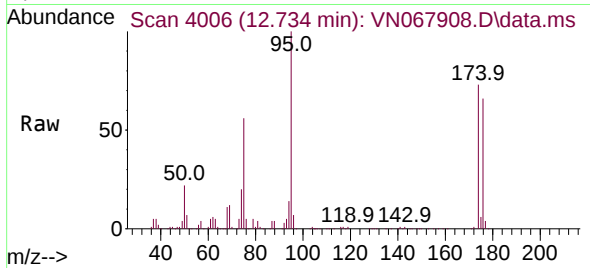




#62
4-Bromofluorobenzene
Concen: 45.148 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

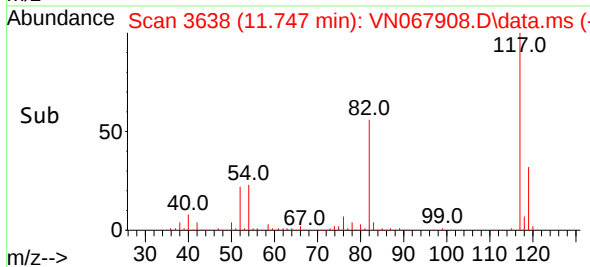
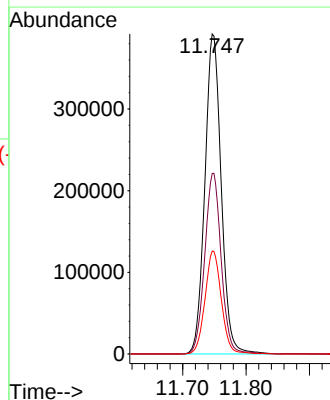
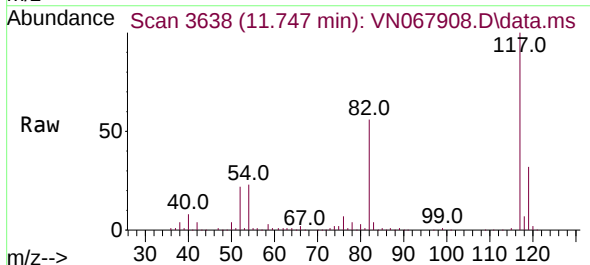
Instrument :
MSVOA_N
ClientSampled :

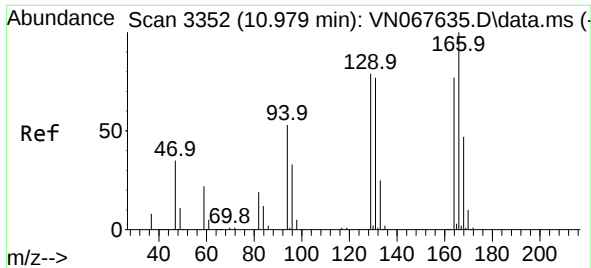
Tgt Ion: 95 Resp: 298513
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 67.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion: 117 Resp: 702920
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 32.2 25.5 38.3

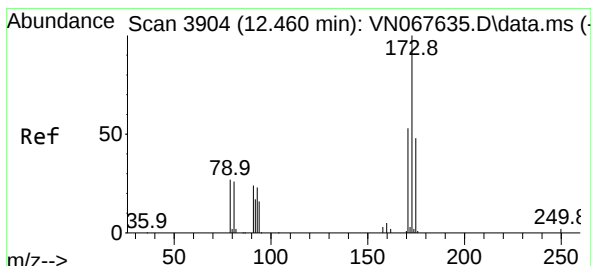
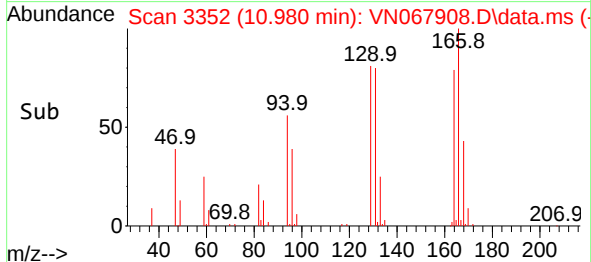
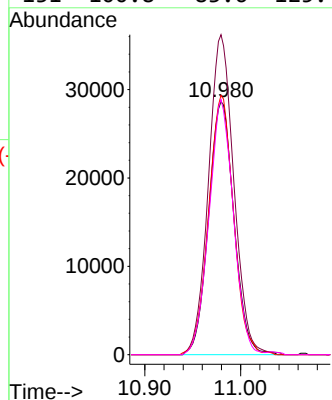
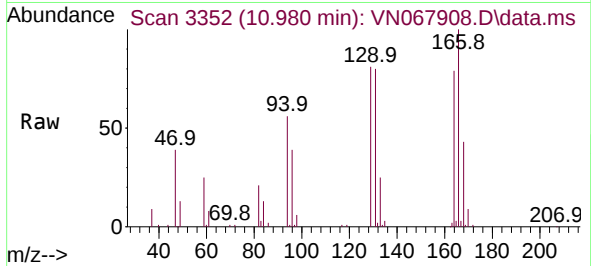




#64
Tetrachloroethene
Concen: 10.618 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

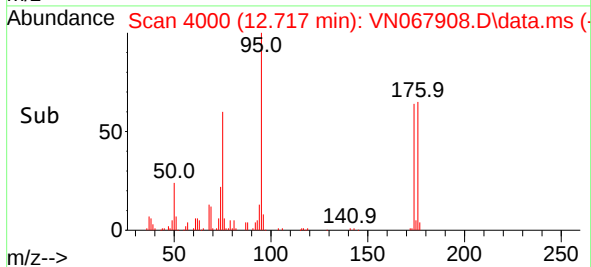
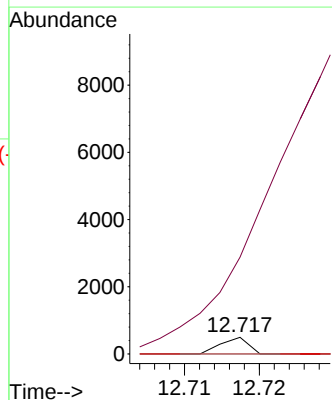
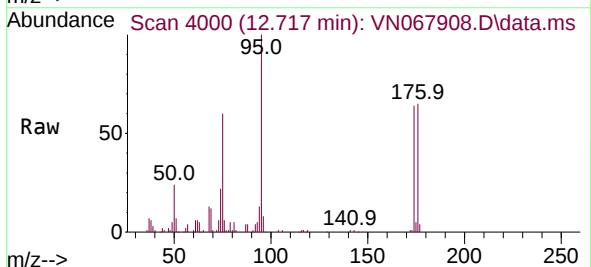
Instrument :
MSVOA_N
ClientSampled :

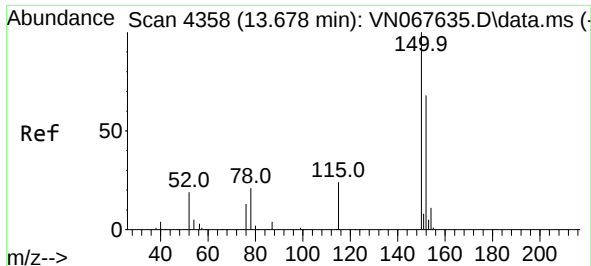
Tgt Ion:164 Resp: 52685
Ion Ratio Lower Upper
164 100
166 126.5 102.1 153.1
129 102.5 86.9 130.3
131 100.8 83.6 125.4



#71
Bromoform
Concen: 3.202 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion:173 Resp: 127
Ion Ratio Lower Upper
173 100
175 12026.0 23.9 71.8#
254 0.0 0.0 0.0

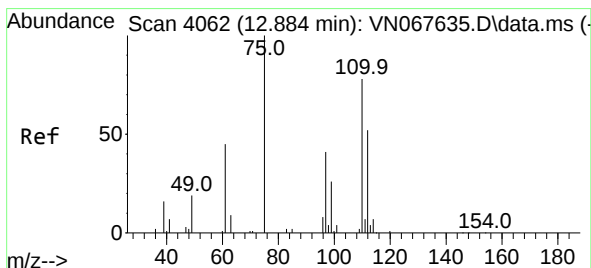
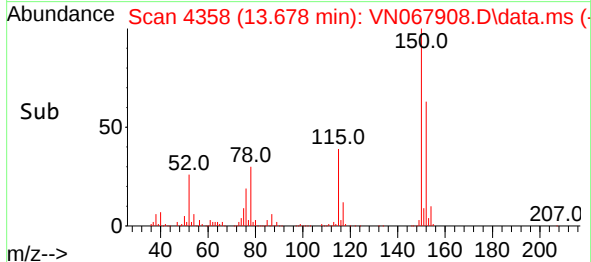
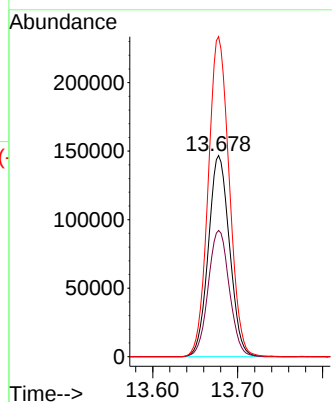
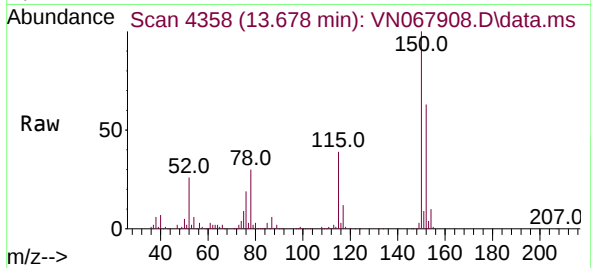




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

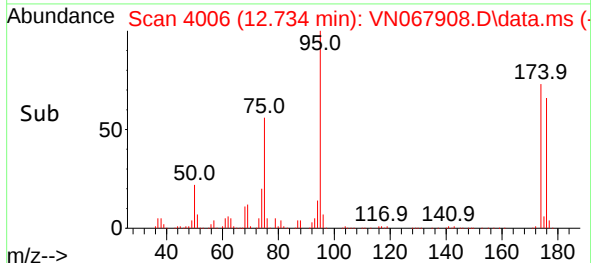
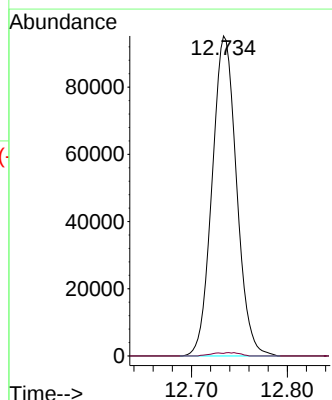
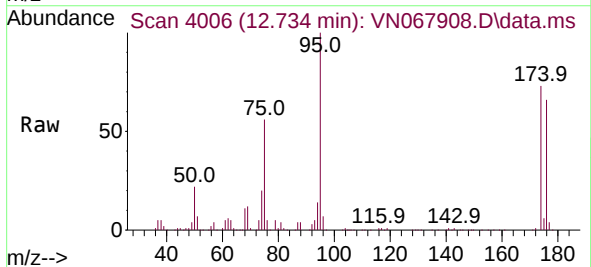
Instrument :
MSVOA_N
ClientSampled :

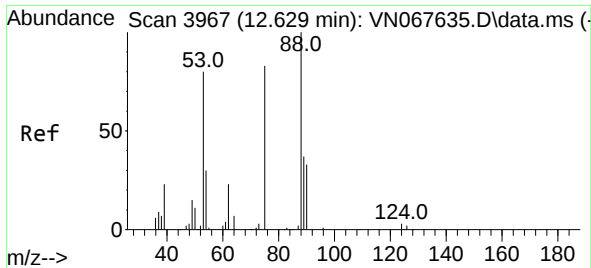
Tgt Ion:152 Resp: 254228
Ion Ratio Lower Upper
152 100
115 62.7 36.1 108.5
150 157.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.404 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

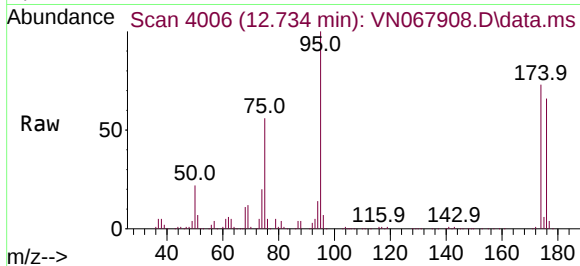
Tgt Ion: 75 Resp: 168237
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



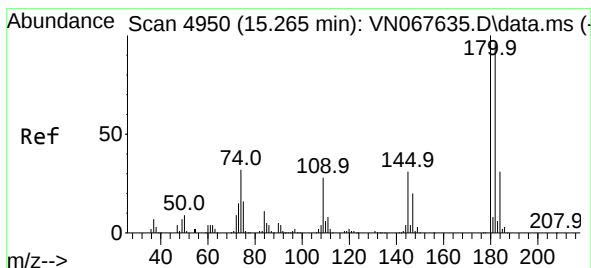
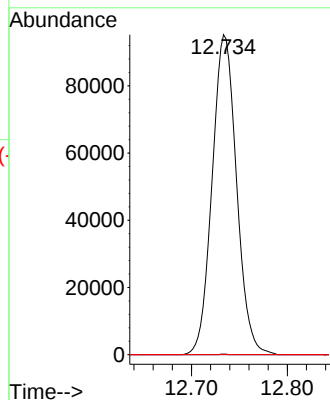
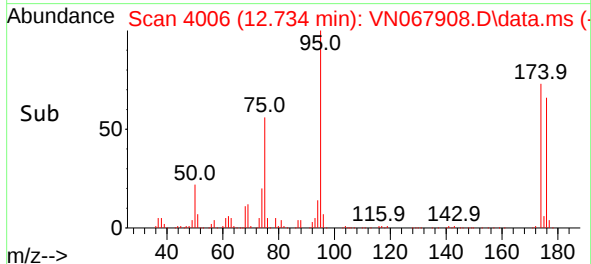


#81
trans-1,4-Dichloro-2-butene
Concen: 104.475 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

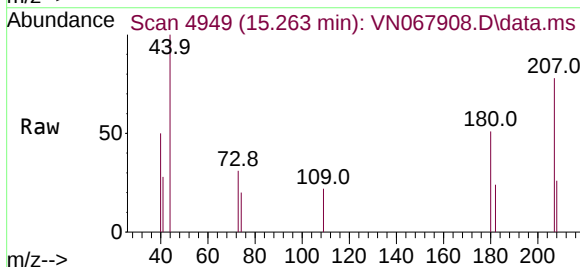
Instrument :
MSVOA_N
ClientSampled :



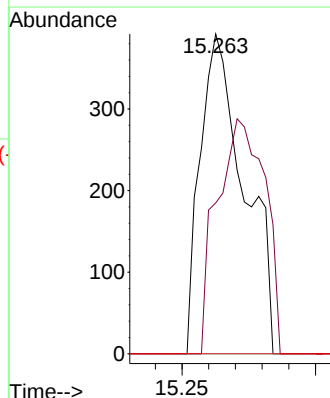
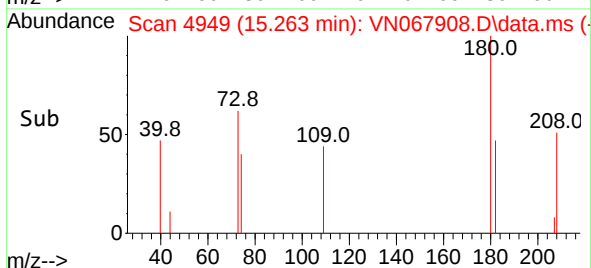
Tgt Ion: 75 Resp: 168237
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

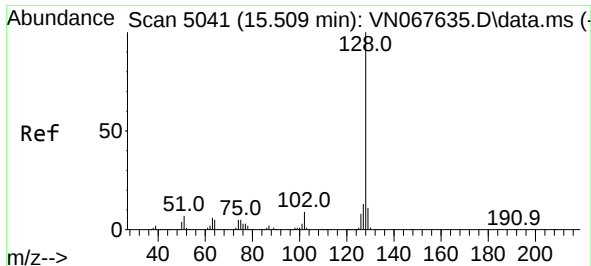


#93
1,2,4-Trichlorobenzene
Concen: 2.774 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38



Tgt Ion:180 Resp: 448
Ion Ratio Lower Upper
180 100
182 79.9 47.5 142.5
145 0.0 17.2 51.6#

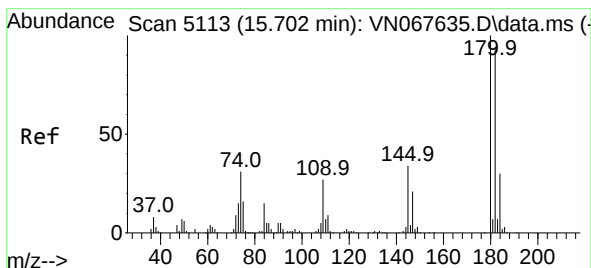
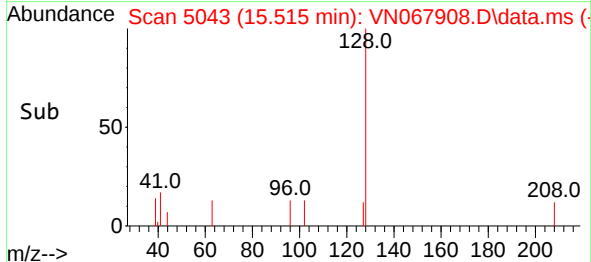
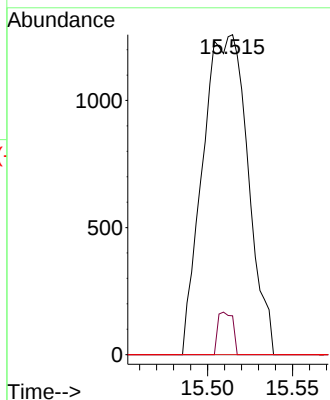
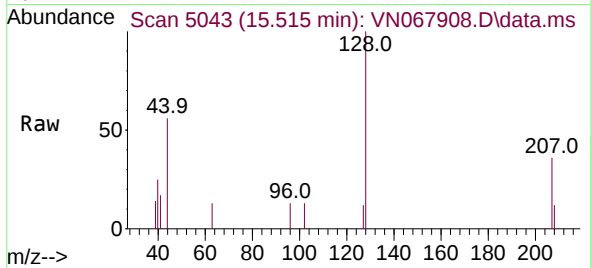




#95
Naphthalene
Concen: 3.188 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2325
Ion Ratio Lower Upper
128 100
127 4.4 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.694 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.008 min
Lab File: VN067908.D
Acq: 26 Jul 2021 15:38

Tgt Ion:180 Resp: 264
Ion Ratio Lower Upper
180 100
182 20.5 47.8 143.3#
145 0.0 18.2 54.6#

