

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067907.D
 Acq On : 26 Jul 2021 15:13
 Operator : JC/MD
 Sample : M3147-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:30:16 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)

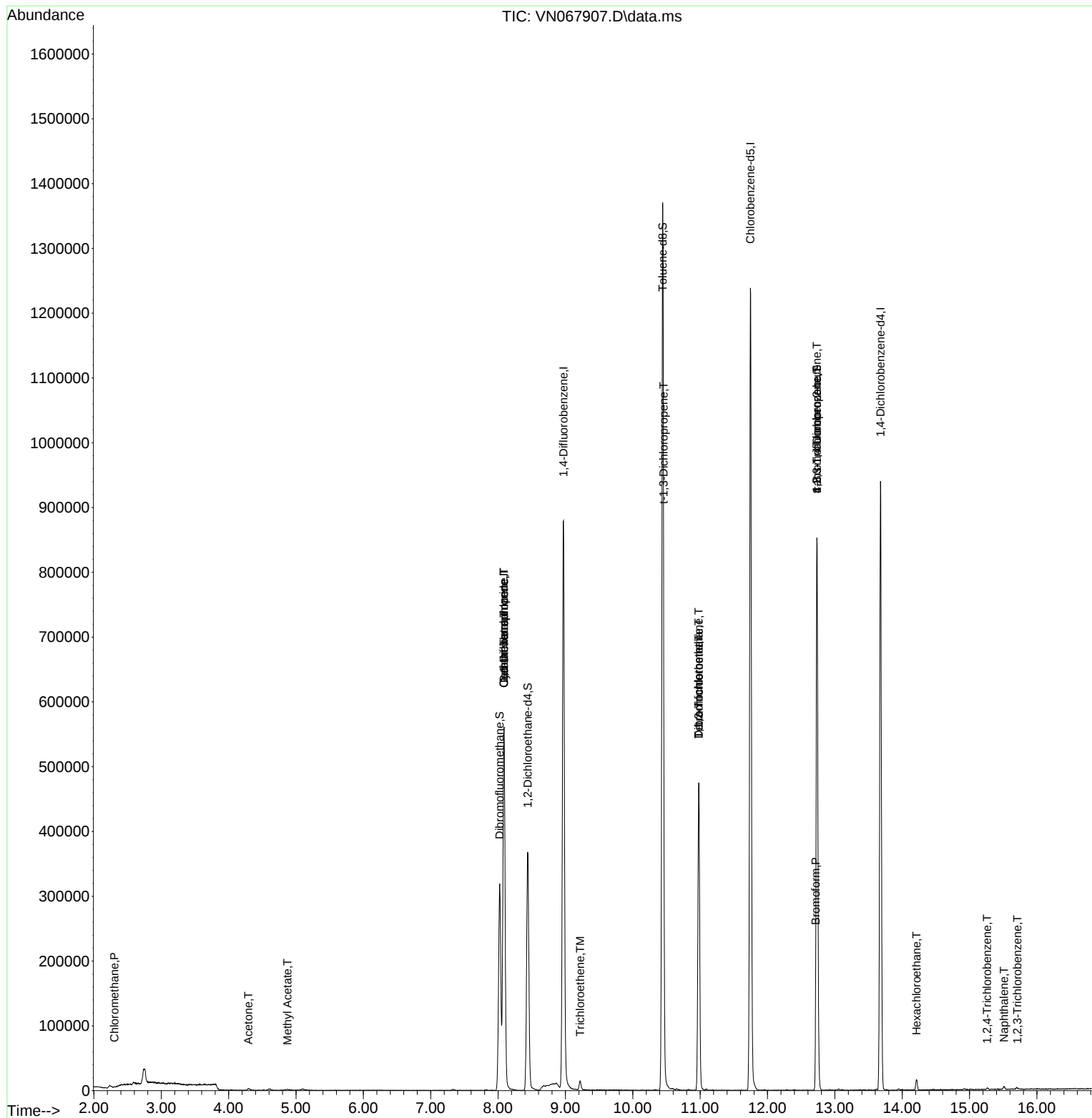
Internal Standards						
1) Pentafluorobenzene	8.088	168	400002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	771979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	722333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	238594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	313632	51.881	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 103.760%		
35) Dibromofluoromethane	8.024	113	229013	49.101	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.200%		
50) Toluene-d8	10.443	98	962329	49.293	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 98.580%		
62) 4-Bromofluorobenzene	12.733	95	298889	43.339	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 86.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1154	0.214	ug/l #	67
5) Bromomethane	2.845	94	235	Below Cal		82
6) Chloroethane	2.998	64	26	Below Cal	#	44
13) Acrolein	4.031	56	254	Below Cal	#	78
16) Acetone	4.293	43	2611	1.373	ug/l #	90
18) Methyl Acetate	4.873	43	2137	0.400	ug/l #	71
20) Methylene Chloride	5.085	84	622	Below Cal	#	69
31) Cyclohexane	8.086	56	10985	1.296	ug/l #	25
36) 1,1-Dichloropropene	8.088	75	37500	5.229	ug/l #	52
38) Carbon Tetrachloride	8.086	117	45445	6.425	ug/l #	17
44) Trichloroethene	9.217	130	4570	0.839	ug/l	83
53) t-1,3-Dichloropropene	10.457	75	83	1.753	ug/l #	1
55) 1,1,2-Trichloroethane	10.979	97	1226	0.228	ug/l #	40
60) Dibromochloromethane	10.979	129	99665	16.717	ug/l #	11
64) Tetrachloroethene	10.979	164	99128	19.441	ug/l	95
71) Bromoform	12.715	173	131	3.202	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	167522	34.381	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	167522	110.848	ug/l #	6
90) Hexachloroethane	14.211	117	2683	1.087	ug/l	89
93) 1,2,4-Trichlorobenzene	15.263	180	583	2.813	ug/l	73
95) Naphthalene	15.512	128	4472	3.372	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	865	2.848	ug/l	86

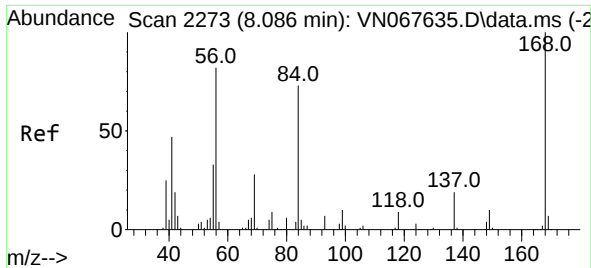
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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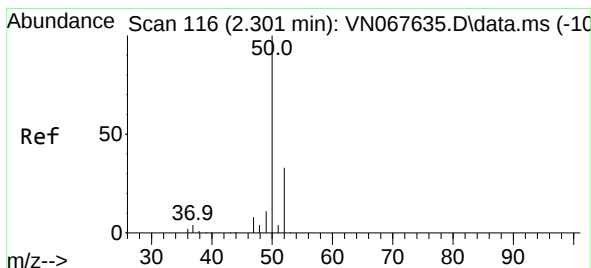
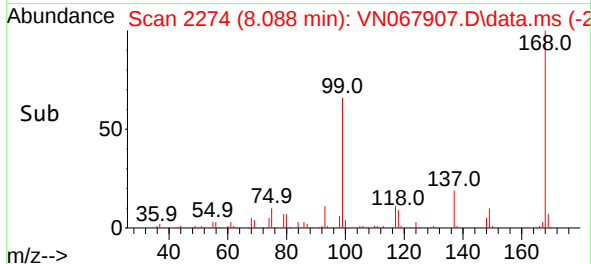
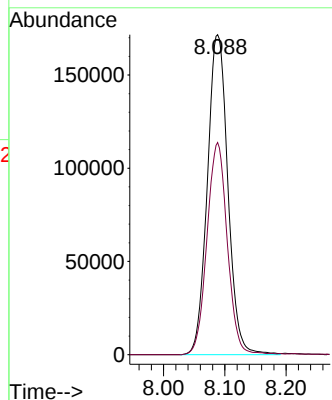
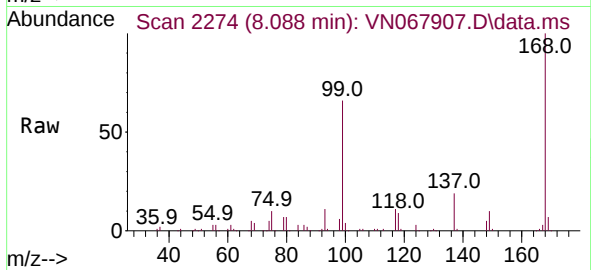




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

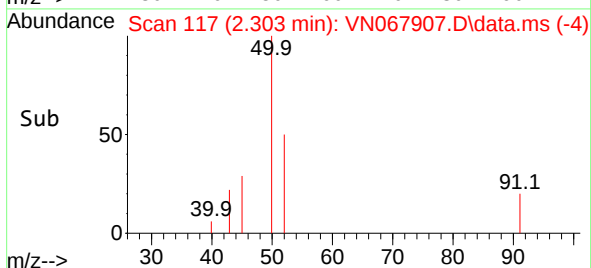
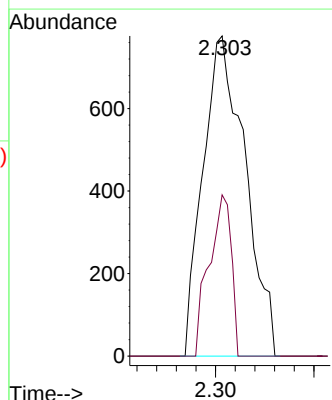
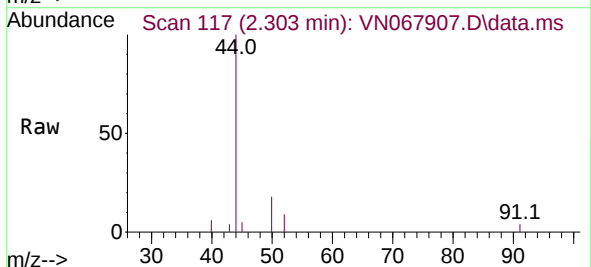
Instrument :
MSVOA_N
ClientSampleId :

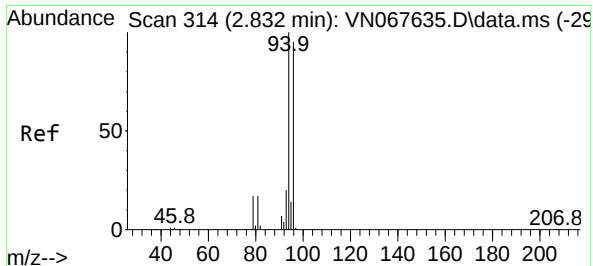
Tgt Ion:168 Resp: 400002
Ion Ratio Lower Upper
168 100
99 66.3 62.9 94.3



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

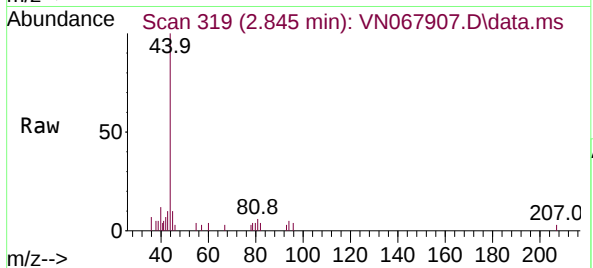
Tgt Ion: 50 Resp: 1154
Ion Ratio Lower Upper
50 100
52 50.4 25.6 38.4#



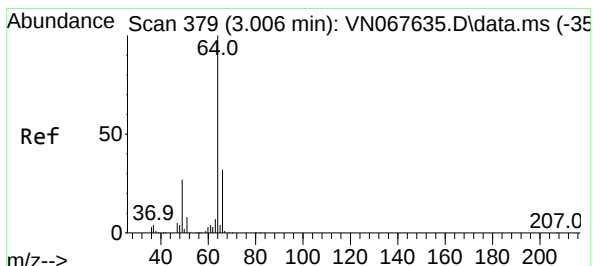
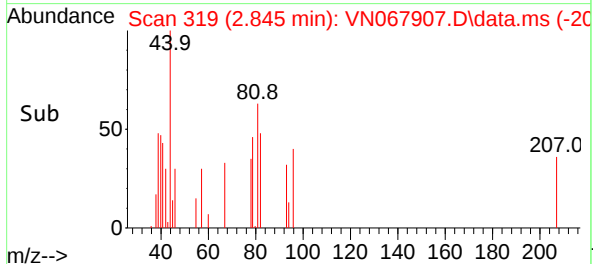
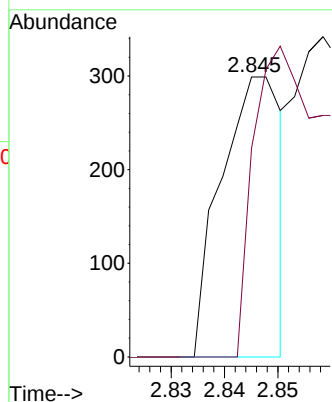


#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.013 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Instrument :
MSVOA_N
ClientSampled :

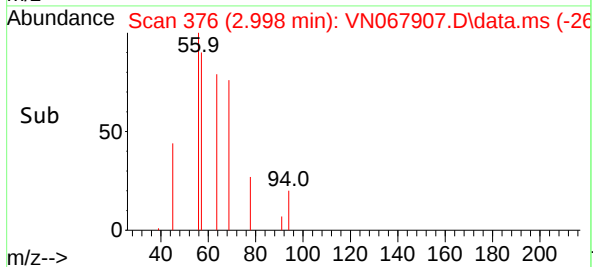
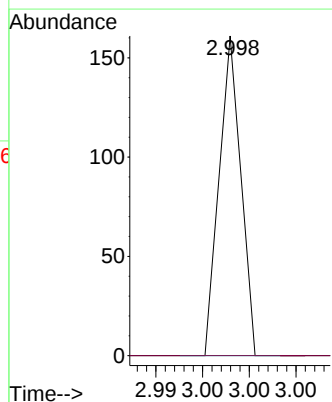
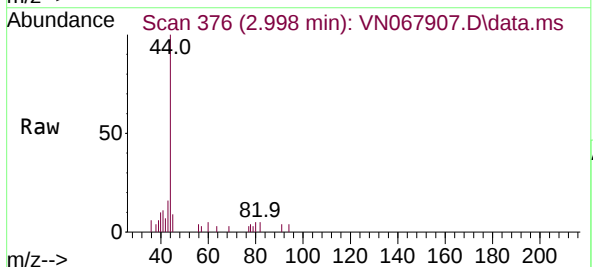


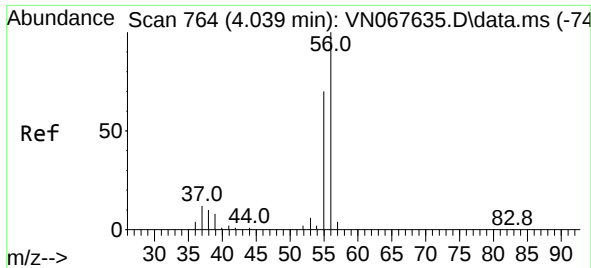
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 74.6 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 2.998 min Scan# 376
Delta R.T. -0.008 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

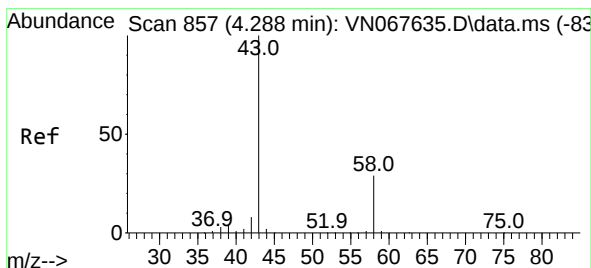
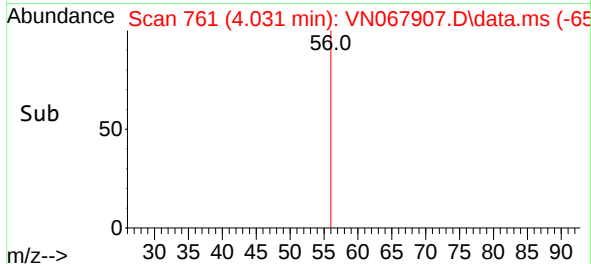
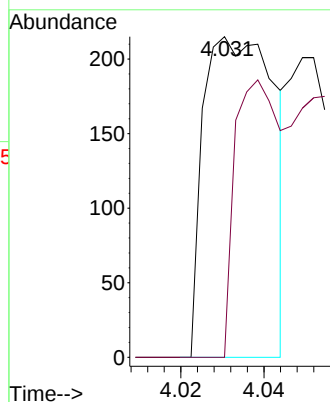
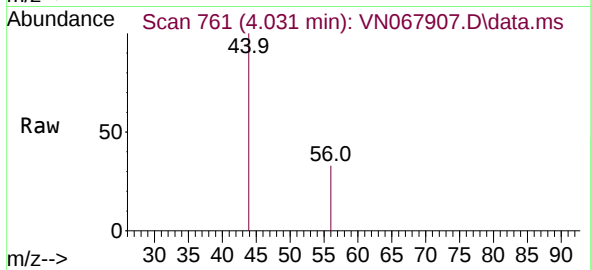




#13
Acrolein
Concen: Below Cal
RT: 4.031 min Scan# 761
Delta R.T. -0.008 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

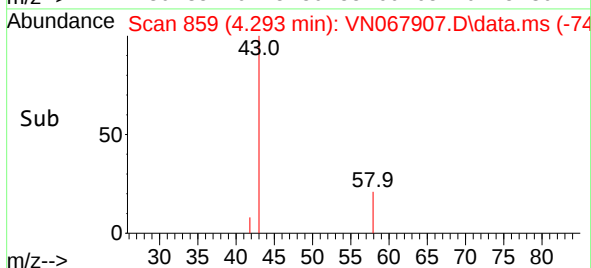
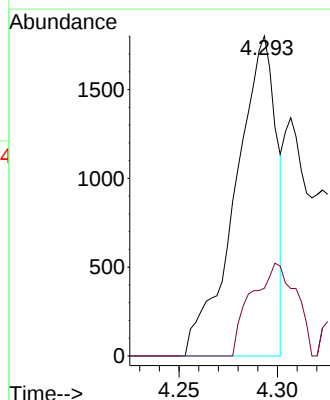
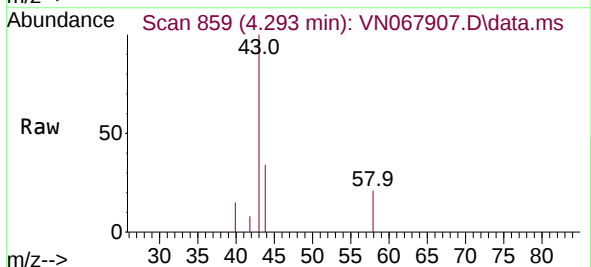
Instrument :
MSVOA_N
ClientSampled :

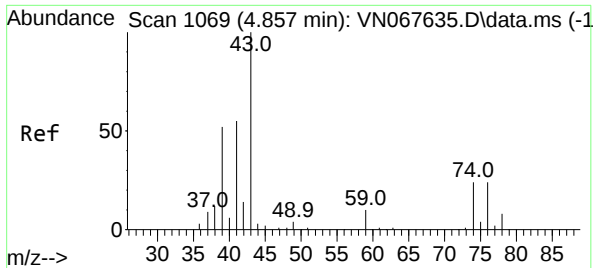
Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 53.5 57.4 86.0#



#16
Acetone
Concen: 1.373 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

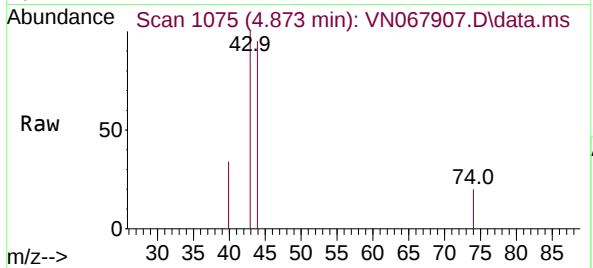
Tgt Ion: 43 Resp: 2611
Ion Ratio Lower Upper
43 100
58 21.1 21.2 31.8#



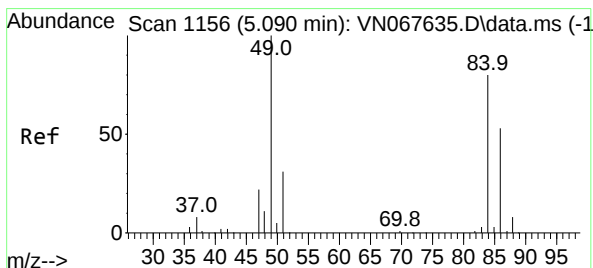
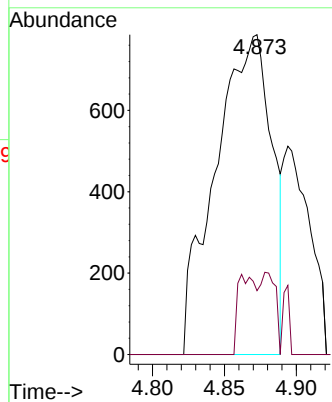
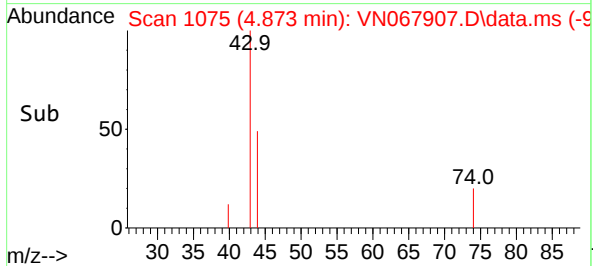


#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.016 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

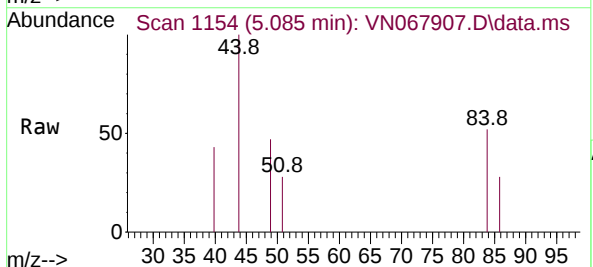
Instrument :
MSVOA_N
ClientSampled :



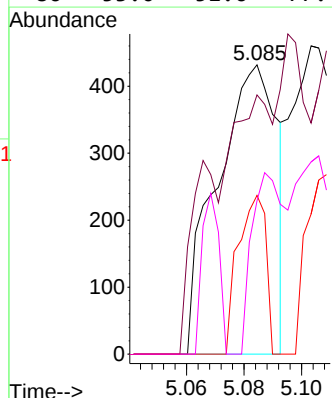
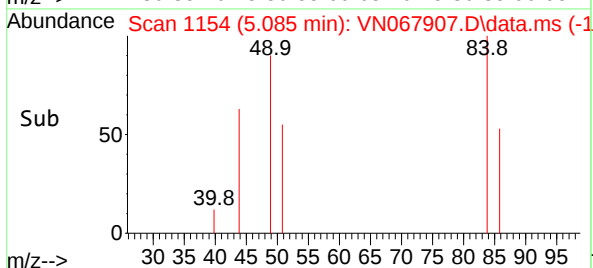
Tgt Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
74 8.1 17.4 26.0#

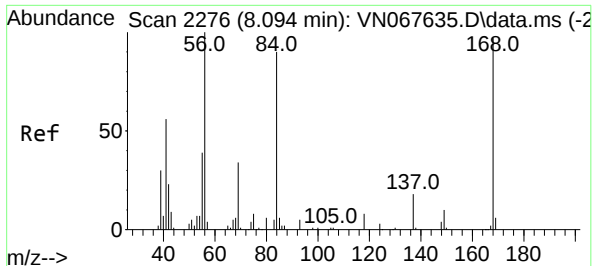


#20
Methylene Chloride
Concen: Below Cal
RT: 5.085 min Scan# 1154
Delta R.T. -0.005 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13



Tgt Ion: 84 Resp: 622
Ion Ratio Lower Upper
84 100
49 89.6 110.9 166.3#
51 54.9 32.6 49.0#
86 53.0 51.6 77.4

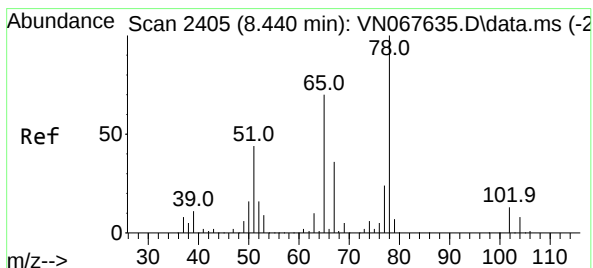
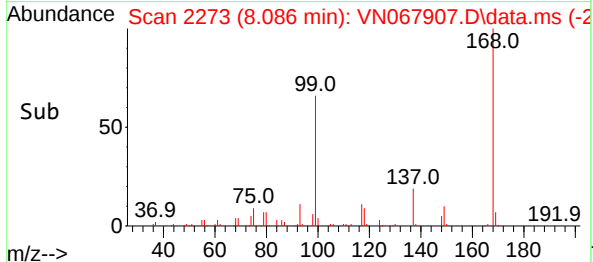
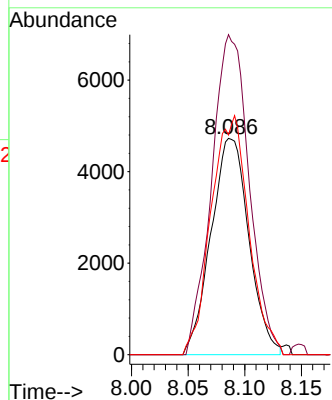
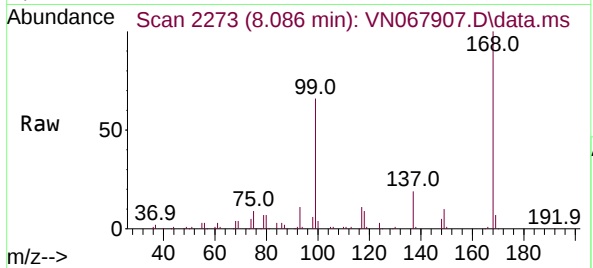




#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

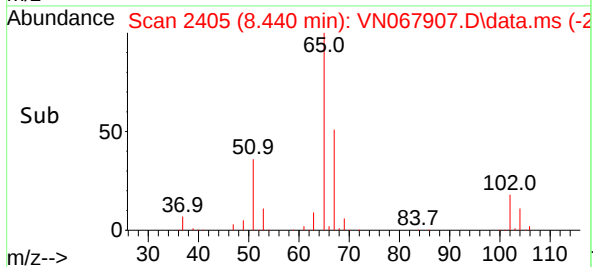
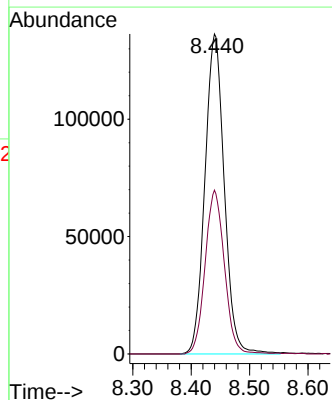
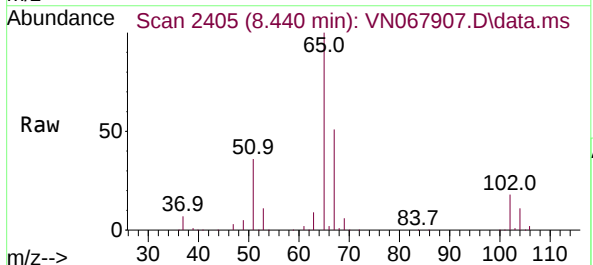
Instrument :
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ClientSampleId :

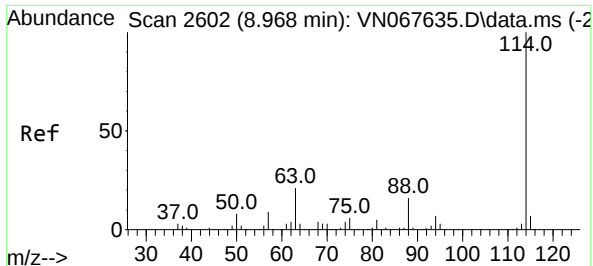
Tgt Ion: 56 Resp: 10985
Ion Ratio Lower Upper
56 100
69 148.0 27.3 40.9#
84 101.6 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.881 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 65 Resp: 313632
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

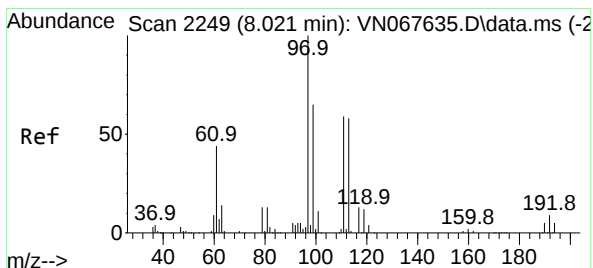
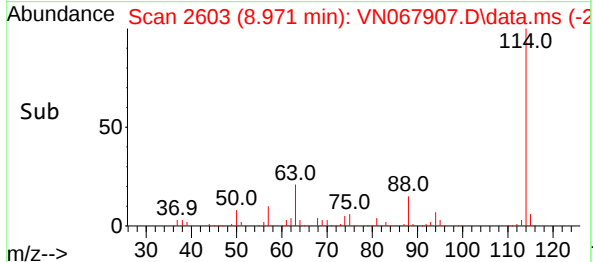
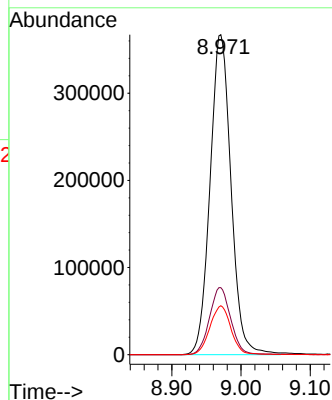
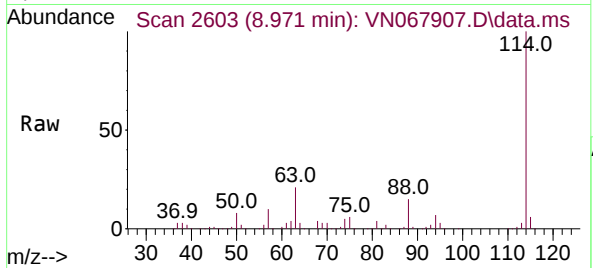




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

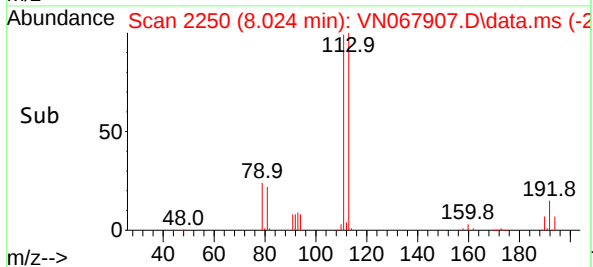
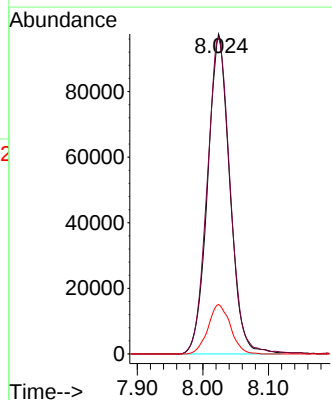
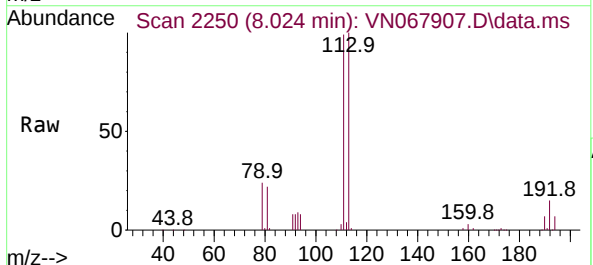
Instrument :
MSVOA_N
ClientSampled :

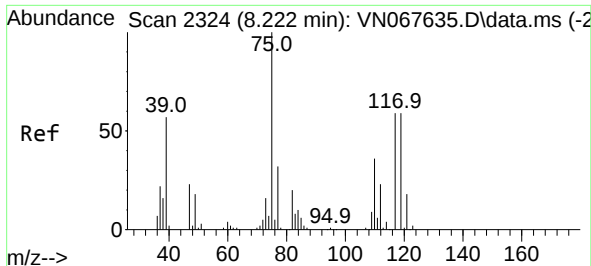
Tgt Ion:114 Resp: 771979
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.101 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

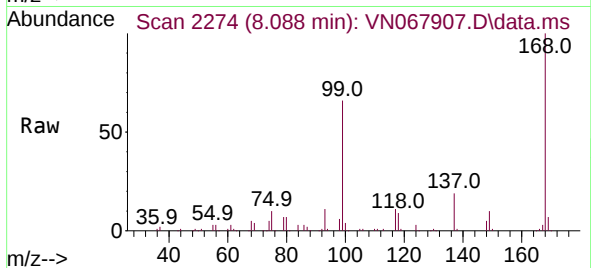
Tgt Ion:113 Resp: 229013
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 15.6 13.4 20.0



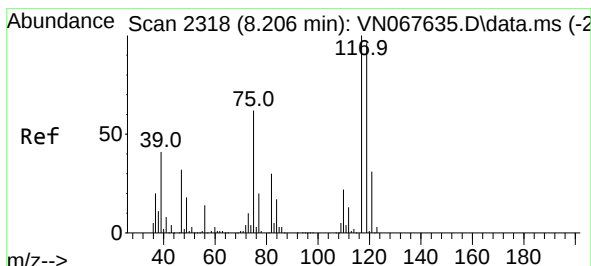
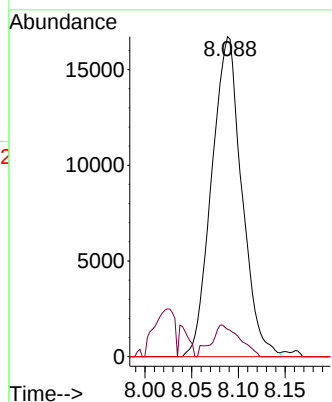
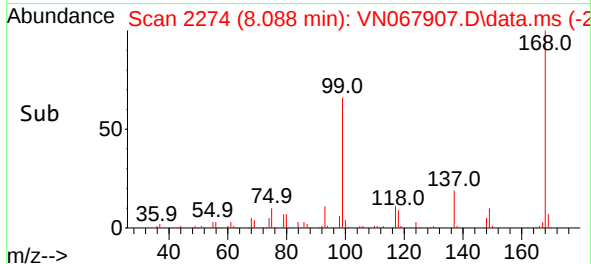


#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

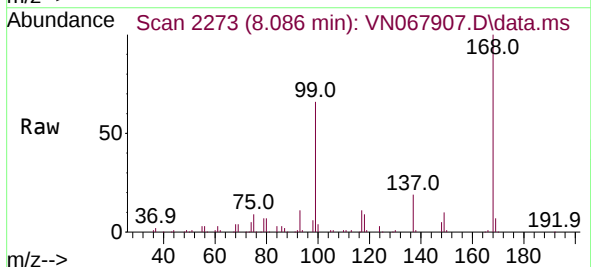
Instrument :
MSVOA_N
ClientSampled :



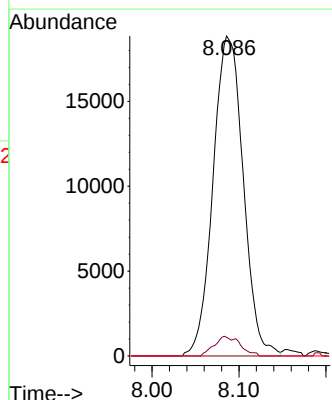
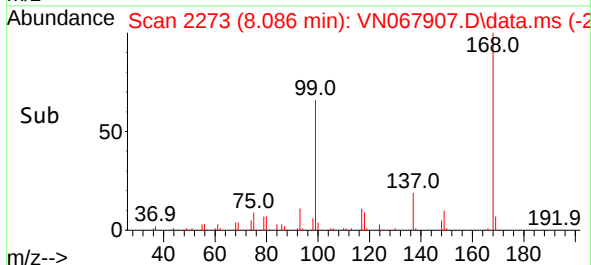
Tgt Ion: 75 Resp: 37500
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#

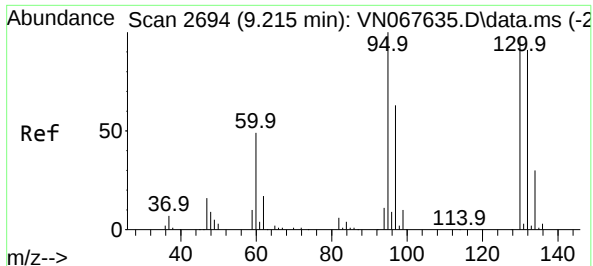


#38
Carbon Tetrachloride
Concen: 6.425 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13



Tgt Ion: 117 Resp: 45445
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

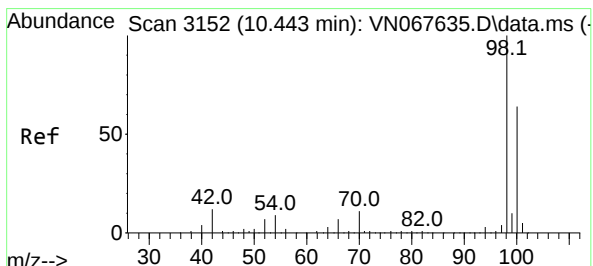
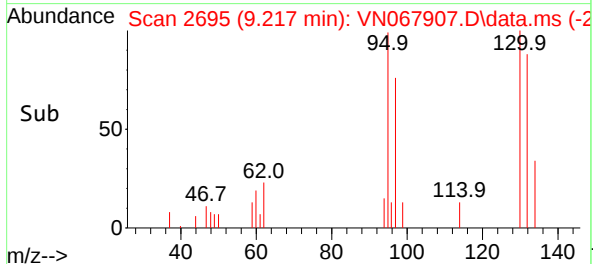
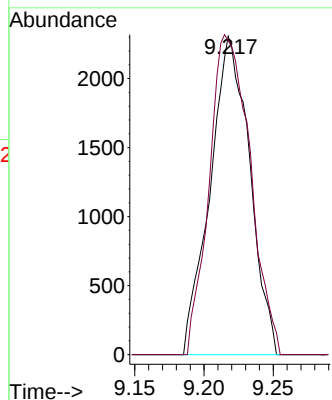
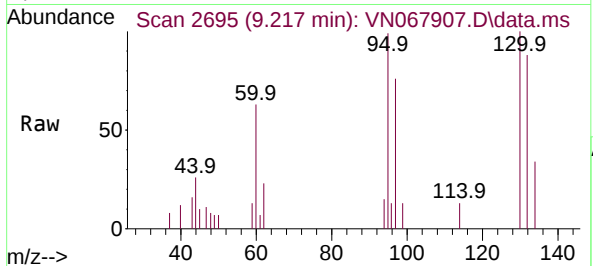




#44
Trichloroethene
Concen: 0.839 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.002 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

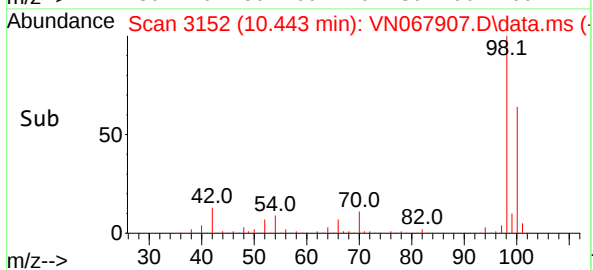
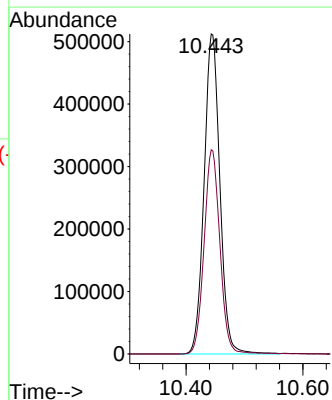
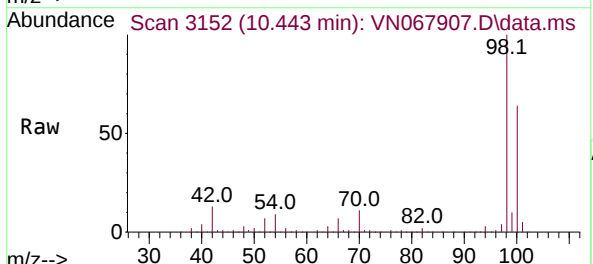
Instrument :
MSVOA_N
ClientSampled :

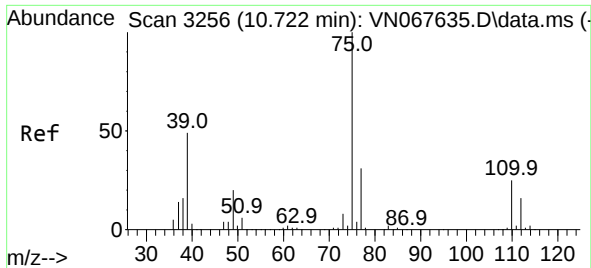
Tgt Ion:130 Resp: 4570
Ion Ratio Lower Upper
130 100
95 98.7 0.0 234.4



#50
Toluene-d8
Concen: 49.293 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 98 Resp: 962329
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

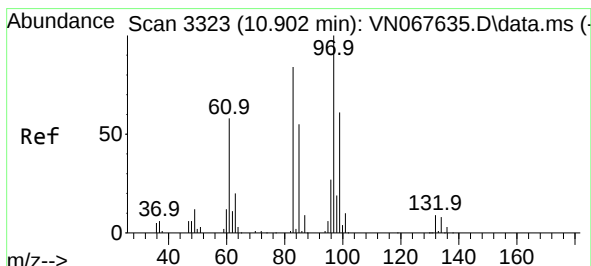
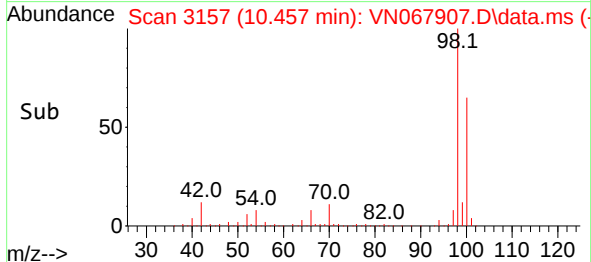
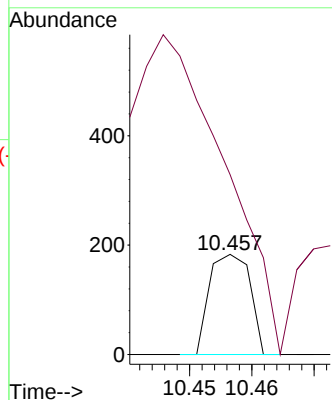
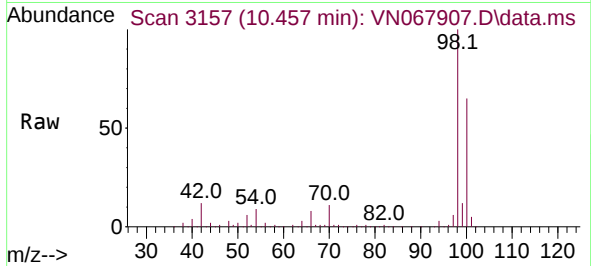




#53
t-1,3-Dichloropropene
Concen: 1.753 ug/l
RT: 10.457 min Scan# 3157
Delta R.T. -0.265 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

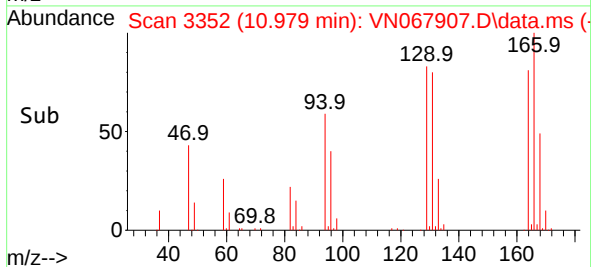
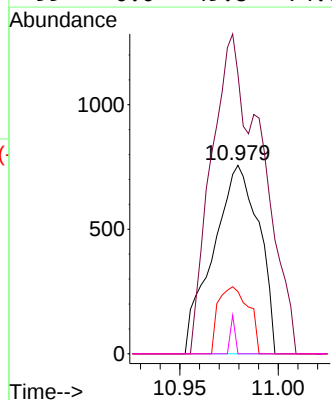
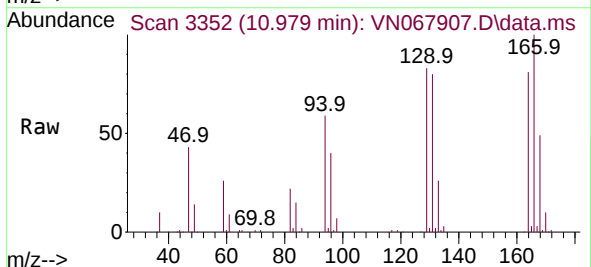
Instrument :
MSVOA_N
ClientSampled :

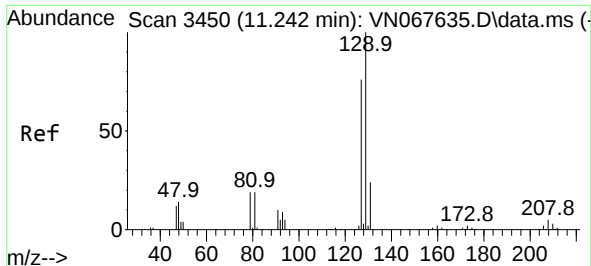
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
77 179.8 25.1 37.7#



#55
1,1,2-Trichloroethane
Concen: 0.228 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.077 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 97 Resp: 1226
Ion Ratio Lower Upper
97 100
83 148.3 72.0 108.0#
85 33.0 46.8 70.2#
99 0.0 49.8 74.6#

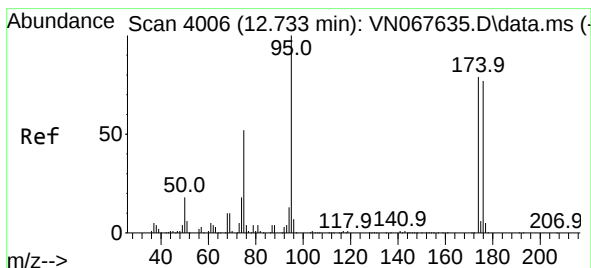
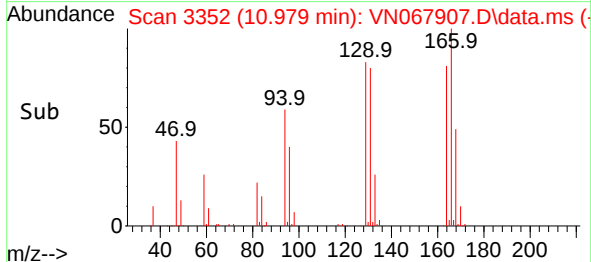
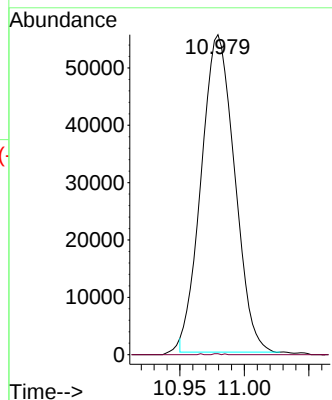
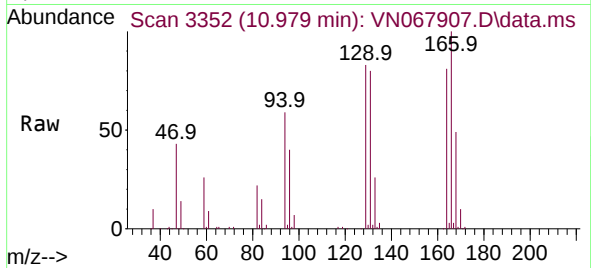




#60
Dibromochloromethane
Concen: 16.717 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

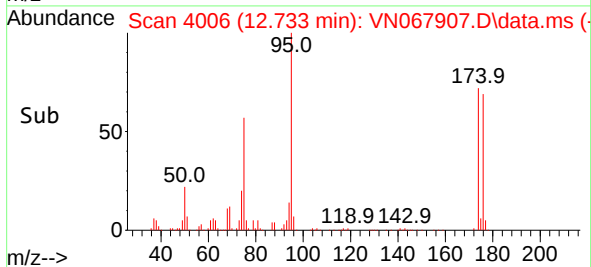
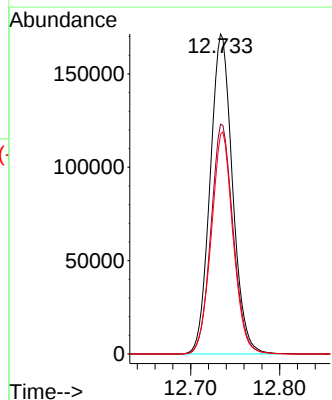
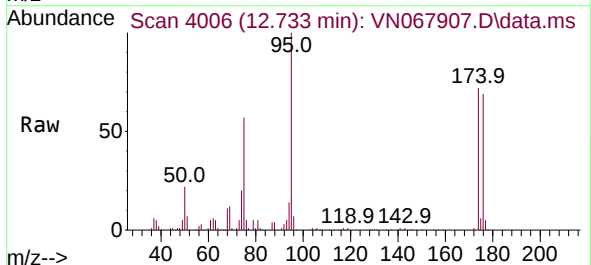
Instrument :
MSVOA_N
ClientSampleId :

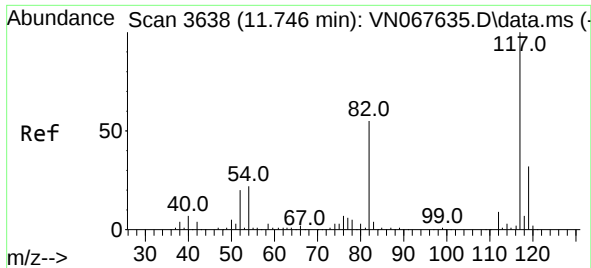
Tgt Ion:129 Resp: 99665
Ion Ratio Lower Upper
129 100
127 0.1 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 43.339 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 95 Resp: 298889
Ion Ratio Lower Upper
95 100
174 71.7 0.0 122.0
176 67.8 0.0 117.6

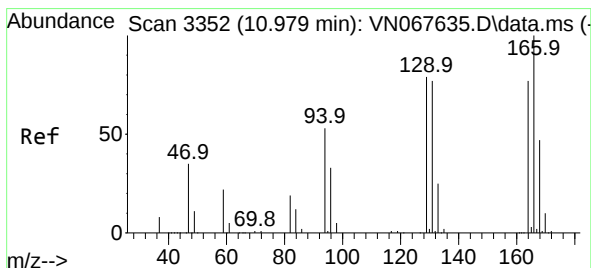
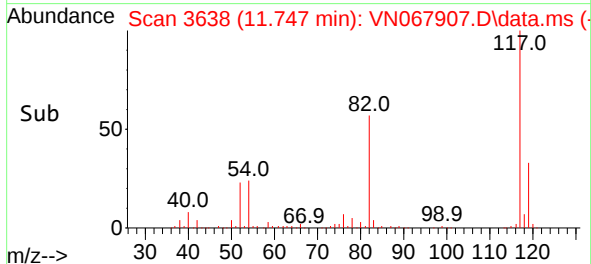
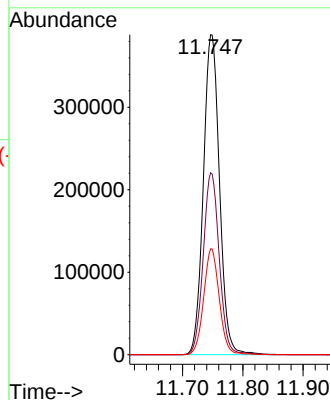
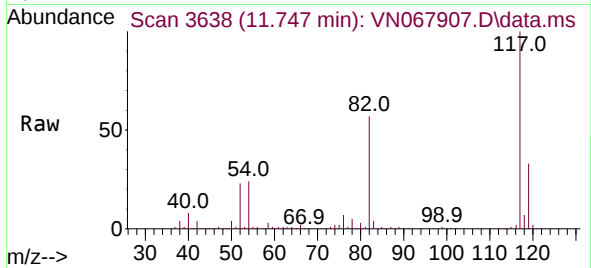




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

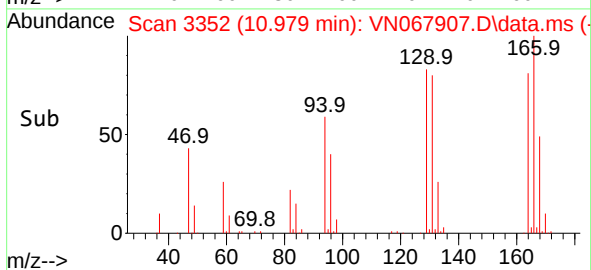
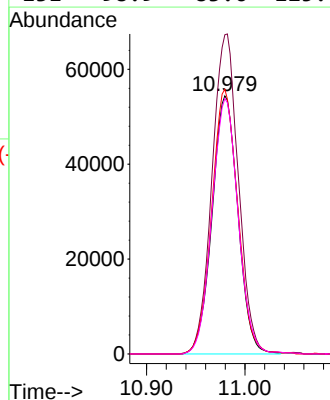
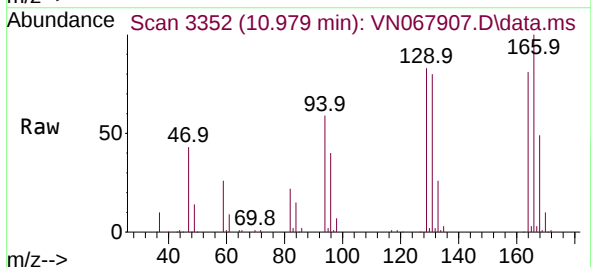
Instrument :
MSVOA_N
ClientSampleId :

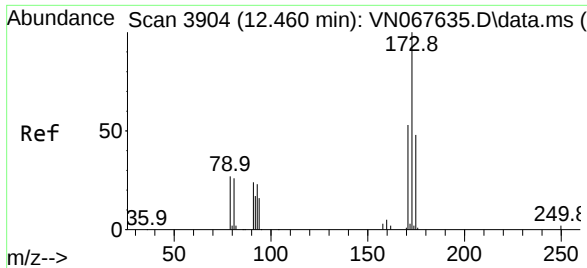
Tgt Ion:117 Resp: 722333
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 33.1 25.5 38.3



#64
Tetrachloroethene
Concen: 19.441 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion:164 Resp: 99128
Ion Ratio Lower Upper
164 100
166 123.7 102.1 153.1
129 102.5 86.9 130.3
131 98.9 83.6 125.4

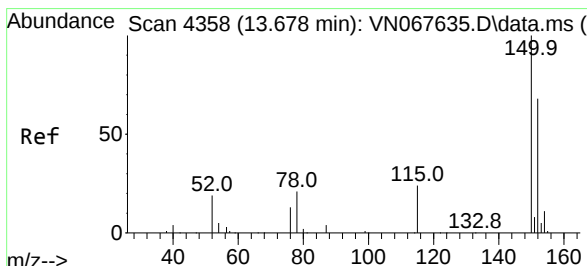
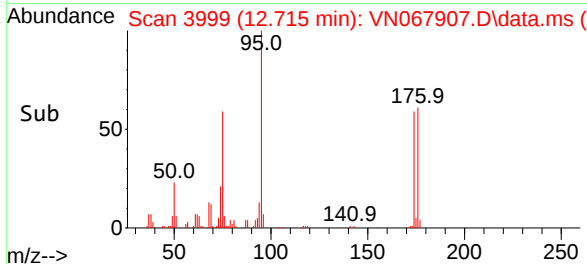
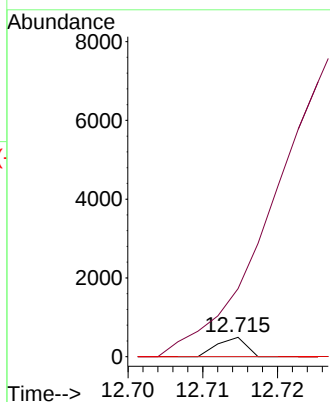
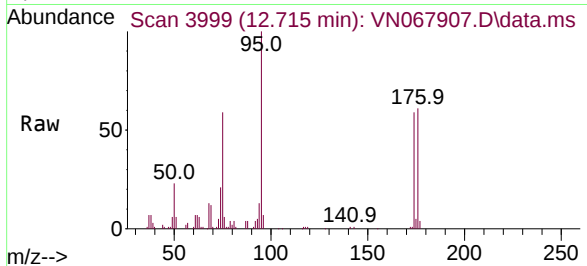




#71
Bromoform
Concen: 3.202 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

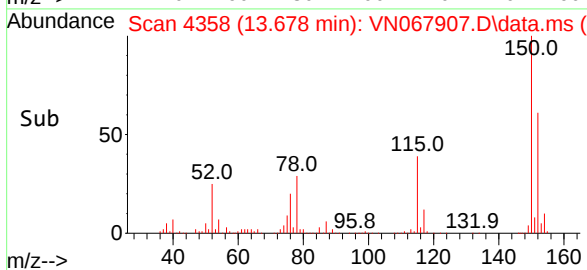
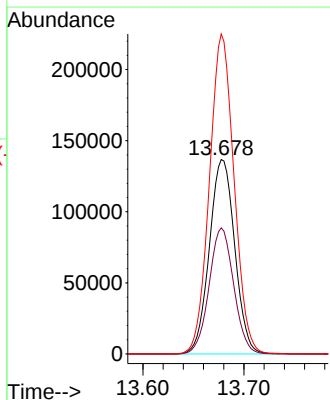
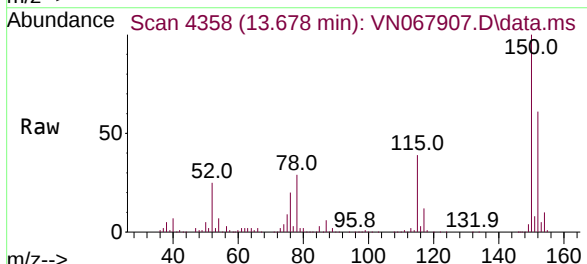
Instrument :
MSVOA_N
ClientSampleId :

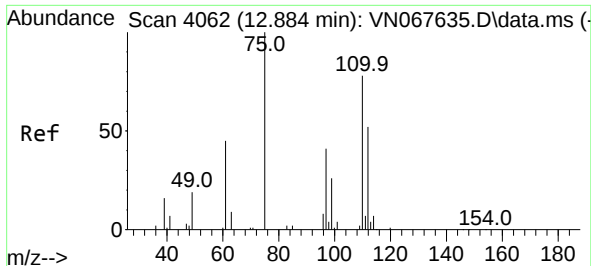
Tgt Ion:173 Resp: 131
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion:152 Resp: 238594
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 159.6 0.0 351.8

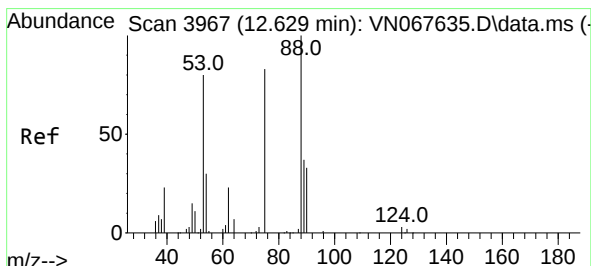
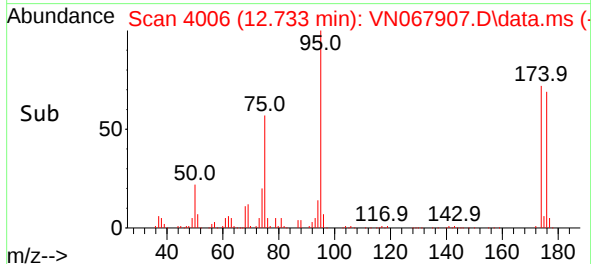
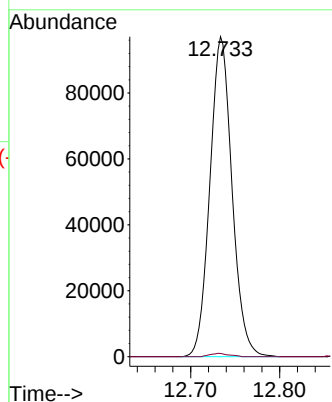
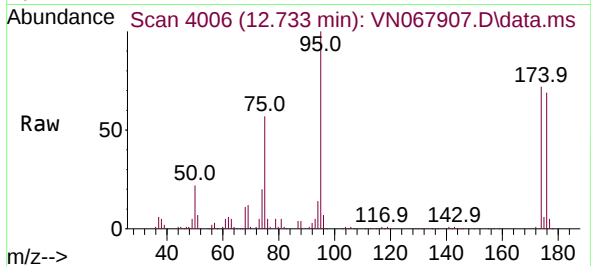




#76
1,2,3-Trichloropropane
Concen: 34.381 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

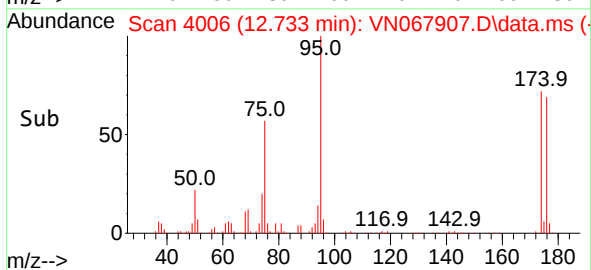
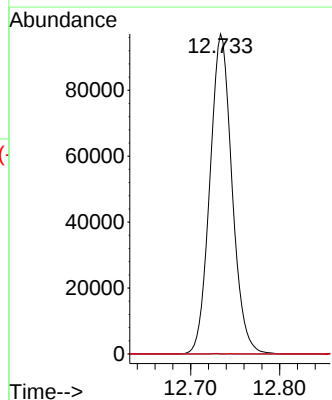
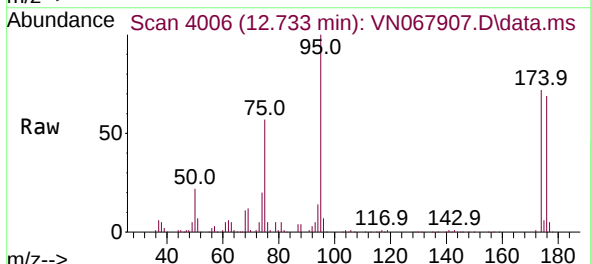
Instrument :
MSVOA_N
ClientSampled :

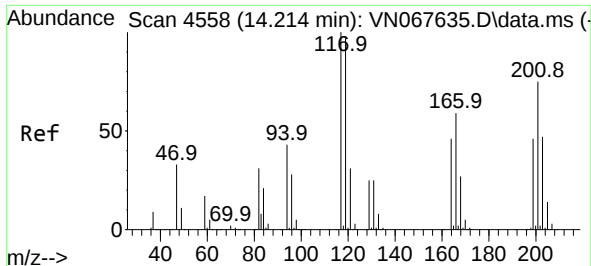
Tgt Ion: 75 Resp: 167522
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.848 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion: 75 Resp: 167522
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

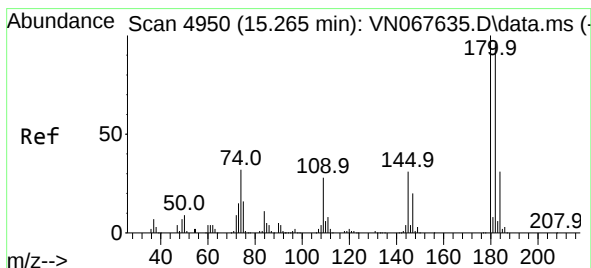
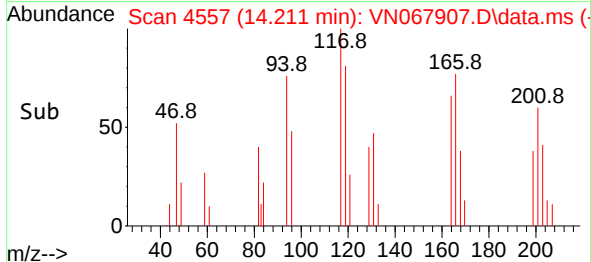
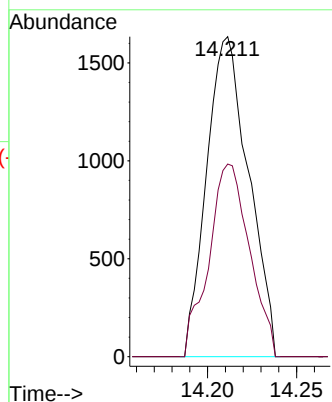
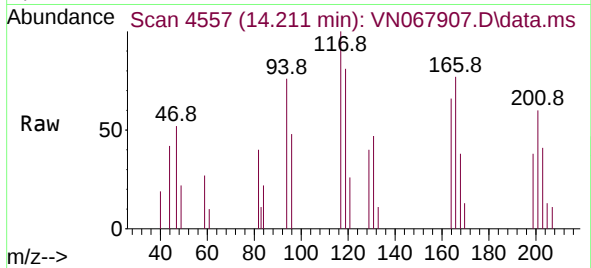




#90
Hexachloroethane
Concen: 1.087 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. -0.003 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

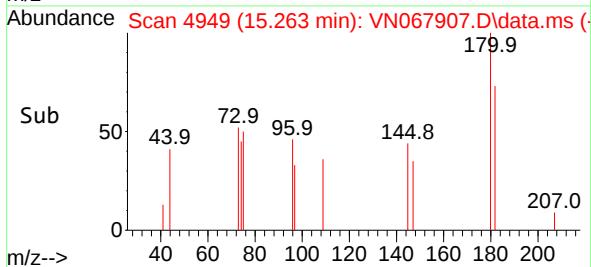
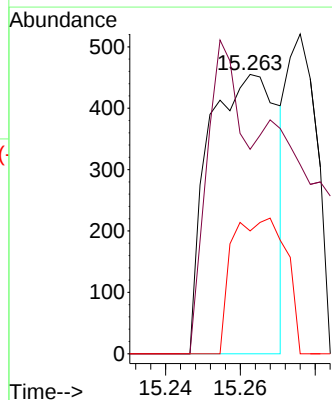
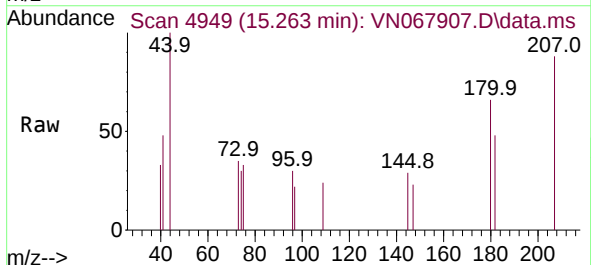
Instrument :
MSVOA_N
ClientSampled :

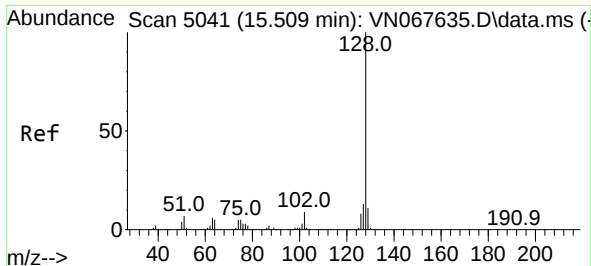
Tgt Ion:117 Resp: 2683
Ion Ratio Lower Upper
117 100
201 58.2 33.5 100.5



#93
1,2,4-Trichlorobenzene
Concen: 2.813 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion:180 Resp: 583
Ion Ratio Lower Upper
180 100
182 61.6 47.5 142.5
145 37.9 17.2 51.6

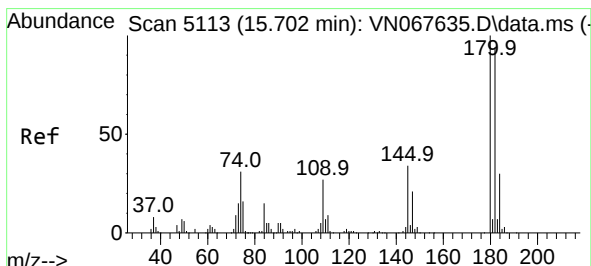
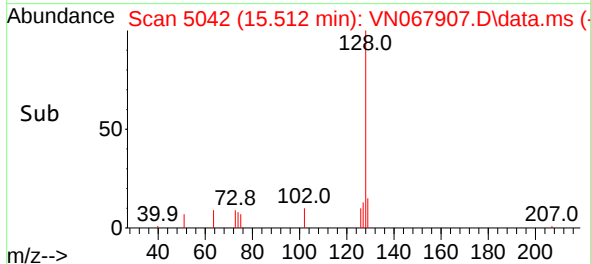
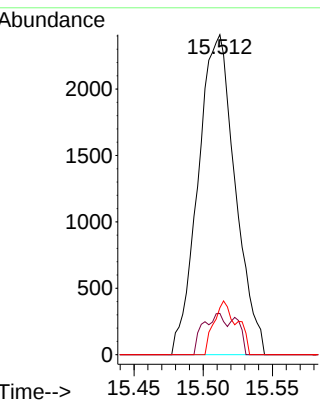
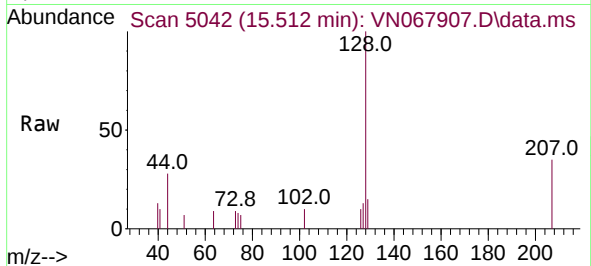




#95
Naphthalene
Concen: 3.372 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4472
Ion Ratio Lower Upper
128 100
127 7.9 10.6 15.8#
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.848 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067907.D
Acq: 26 Jul 2021 15:13

Tgt Ion:180 Resp: 865
Ion Ratio Lower Upper
180 100
182 77.1 47.8 143.3
145 37.2 18.2 54.6

