

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067935.D
 Acq On : 27 Jul 2021 18:01
 Operator : JC/MD
 Sample : M3147-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:22:31 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)

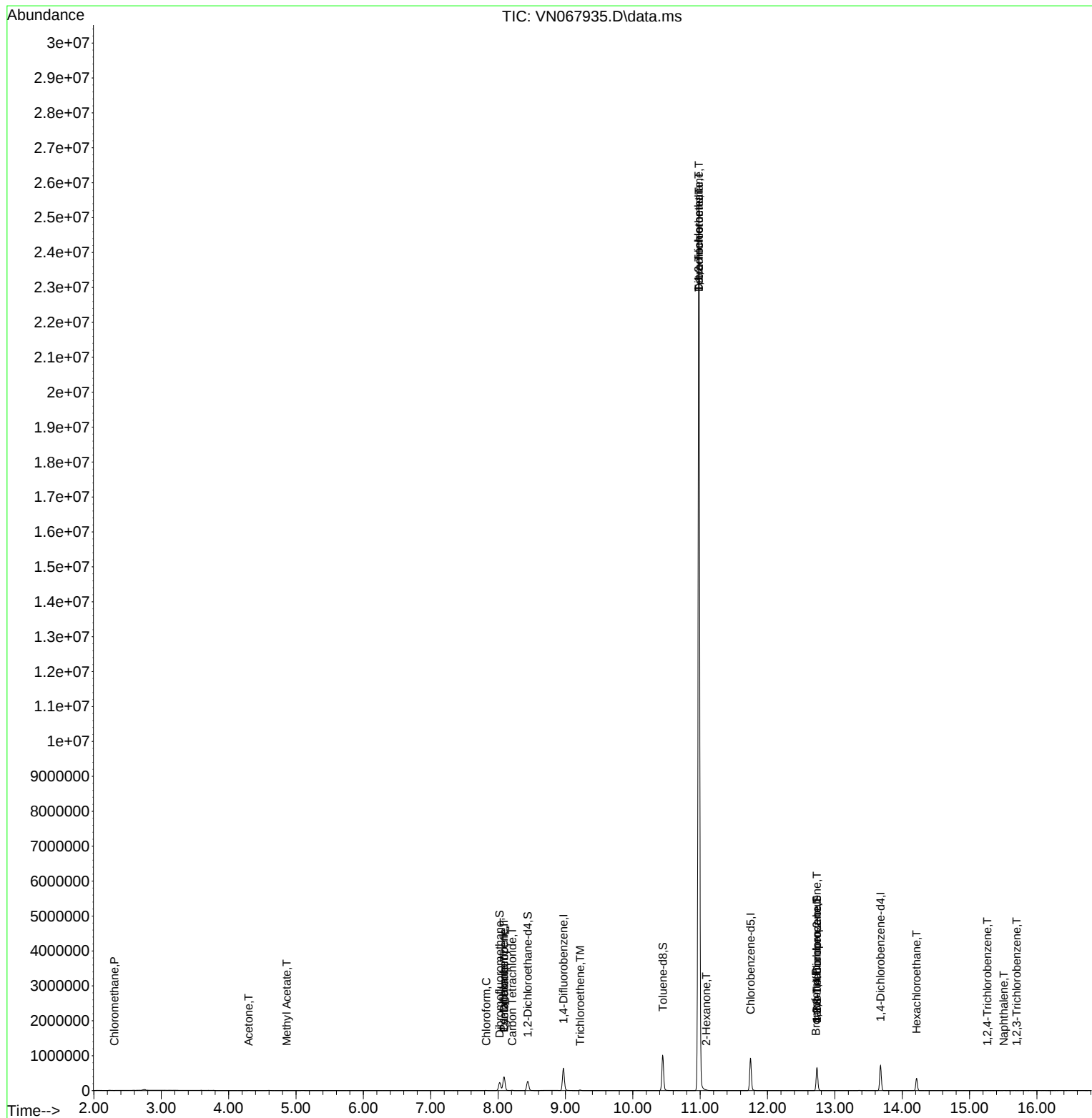
Internal Standards						
1) Pentafluorobenzene	8.088	168	285558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	548560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	530678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	183880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229826	53.254	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.500%			
35) Dibromofluoromethane	8.024	113	166209	50.150	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.300%			
50) Toluene-d8	10.446	98	699429	50.418	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.733	95	234514	47.854	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	979	0.255	ug/l #	82
5) Bromomethane	2.856	94	320	Below Cal		98
6) Chloroethane	2.984	64	54	Below Cal #		44
13) Acrolein	4.041	56	55	Below Cal #		14
16) Acetone	4.296	43	2806	2.066	ug/l	90
18) Methyl Acetate	4.862	43	1413	0.370	ug/l #	58
20) Methylene Chloride	5.093	84	211	Below Cal #		2
30) Chloroform	7.823	83	5586	0.842	ug/l	92
31) Cyclohexane	8.091	56	7944	1.313	ug/l #	44
36) 1,1-Dichloropropene	8.086	75	26126	5.127	ug/l #	52
38) Carbon Tetrachloride	8.209	117	7021	1.397	ug/l	94
44) Trichloroethene	9.220	130	5943	1.535	ug/l	83
55) 1,1,2-Trichloroethane	10.979	97	51169	13.364	ug/l #	7
59) 2-Hexanone	11.089	43	878	0.236	ug/l #	38
60) Dibromochloromethane	10.982	129	5091103	1034.649	ug/l #	11
64) Tetrachloroethene	10.982	164	4974262	1327.893	ug/l	95
71) Bromoform	12.720	173	133	3.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	129155	34.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	129155	110.890	ug/l #	6
90) Hexachloroethane	14.214	117	62626	32.934	ug/l	94
93) 1,2,4-Trichlorobenzene	15.265	180	197	2.735	ug/l #	34
95) Naphthalene	15.507	128	931	3.109	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	52	2.649	ug/l #	12

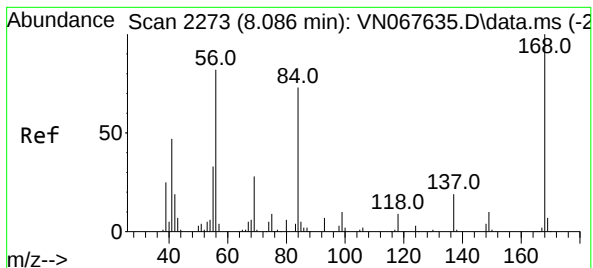
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067935.D

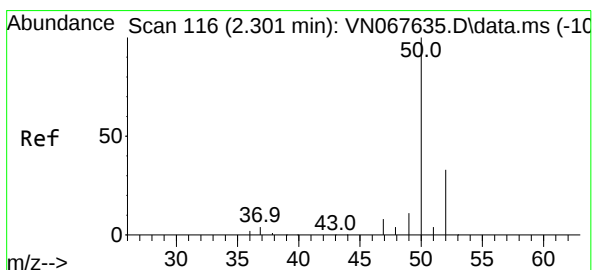
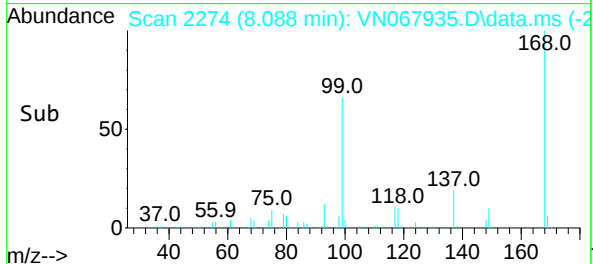
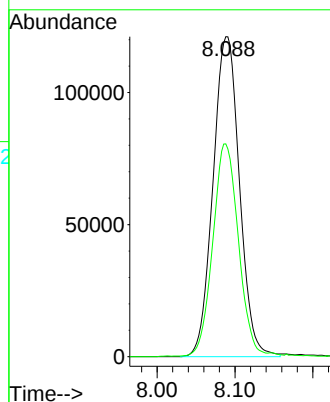
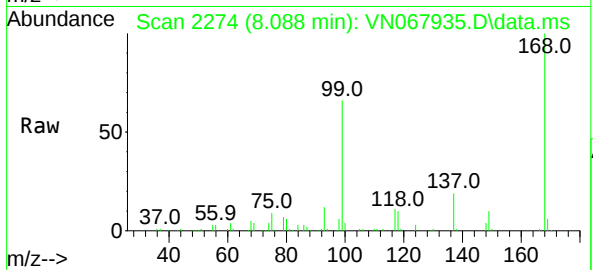
Acq: 27 Jul 2021 18:01

Tgt Ion:168 Resp: 285558

Ion Ratio Lower Upper

168 100

99 66.3 62.9 94.3



#3

Chloromethane

Concen: 0.255 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN067935.D

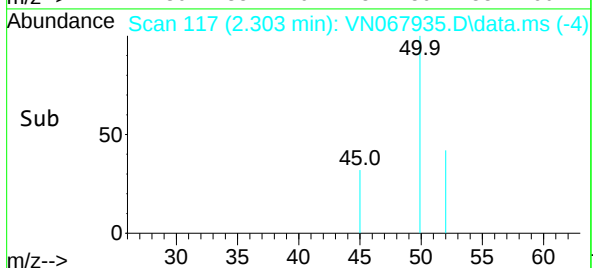
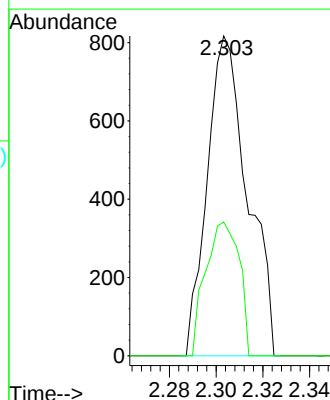
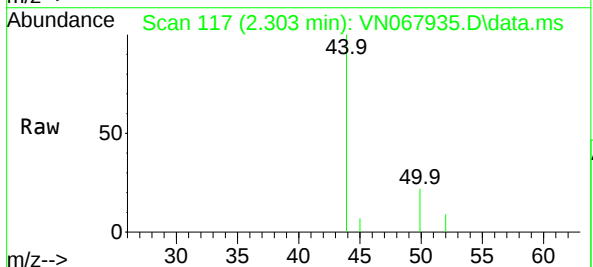
Acq: 27 Jul 2021 18:01

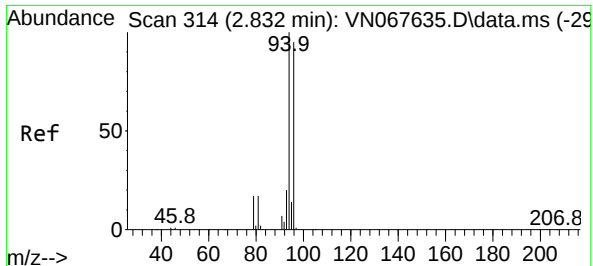
Tgt Ion: 50 Resp: 979

Ion Ratio Lower Upper

50 100

52 41.9 25.6 38.4#





#5

Bromomethane

Concen: Below Cal

RT: 2.856 min Scan# 323

Delta R.T. 0.024 min

Lab File: VN067935.D

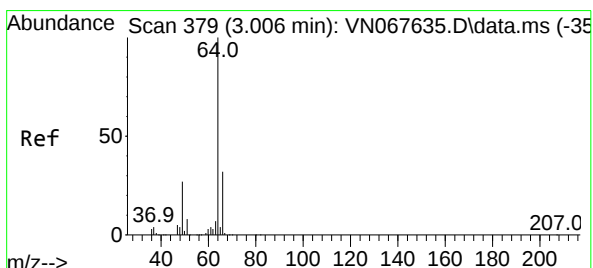
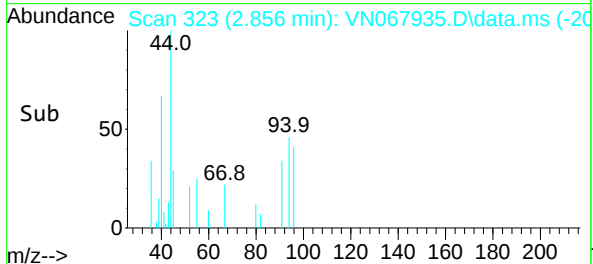
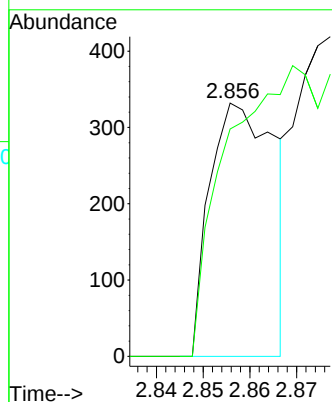
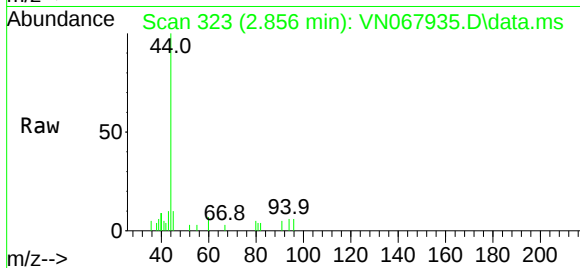
Acq: 27 Jul 2021 18:01

Tgt Ion: 94 Resp: 320

Ion Ratio Lower Upper

94 100

96 89.8 73.7 110.5



#6

Chloroethane

Concen: Below Cal

RT: 2.984 min Scan# 371

Delta R.T. -0.022 min

Lab File: VN067935.D

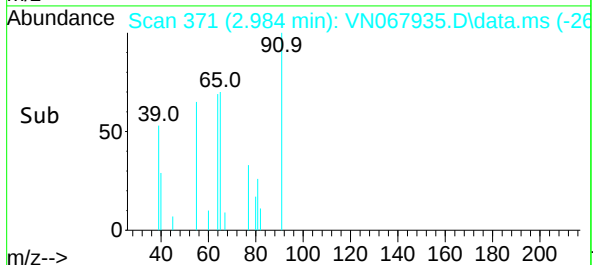
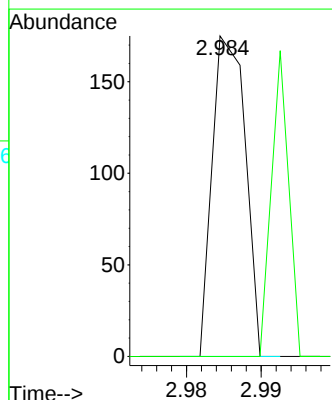
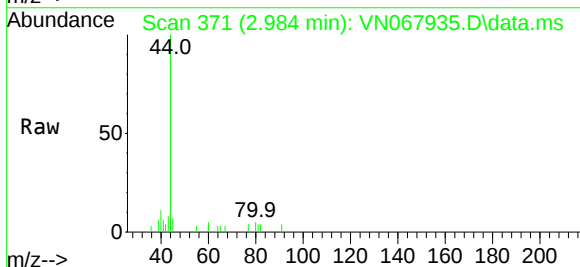
Acq: 27 Jul 2021 18:01

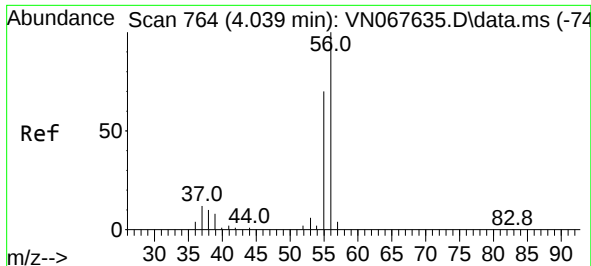
Tgt Ion: 64 Resp: 54

Ion Ratio Lower Upper

64 100

66 0.0 24.7 37.1#

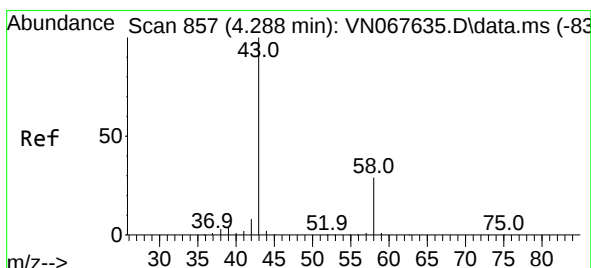
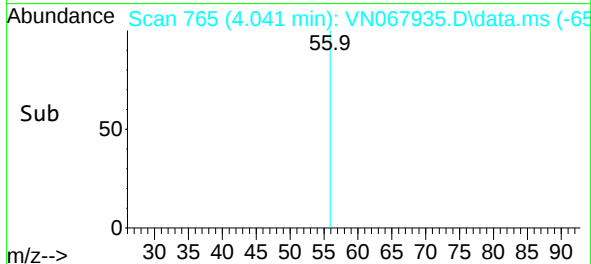
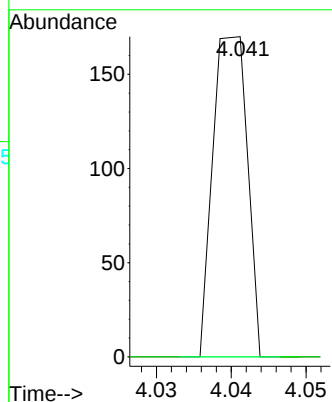
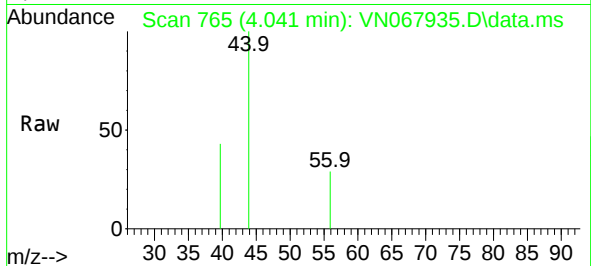




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

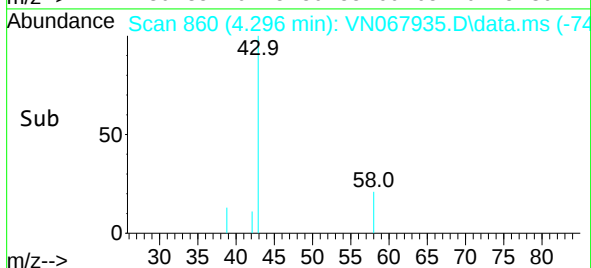
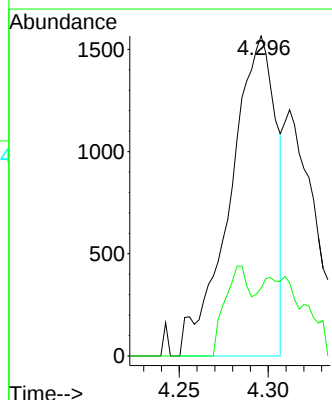
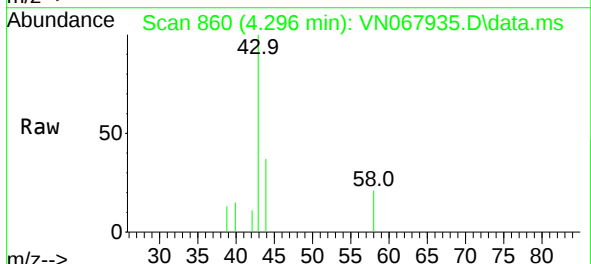
Instrument :
MSVOA_N
ClientSampled :

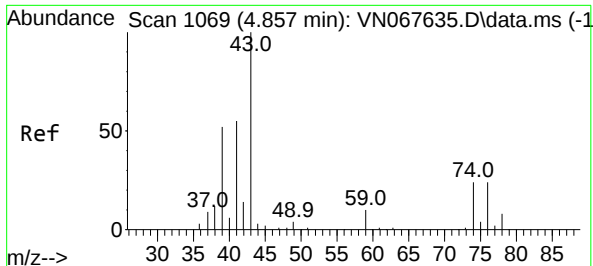
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.066 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion: 43 Resp: 2806
Ion Ratio Lower Upper
43 100
58 21.3 21.2 31.8

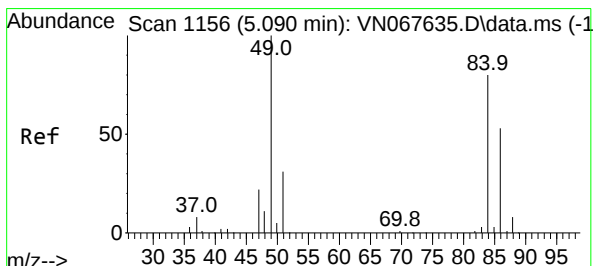
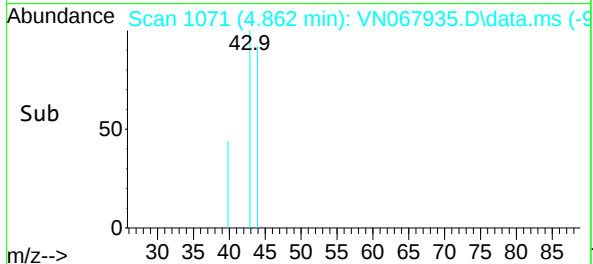
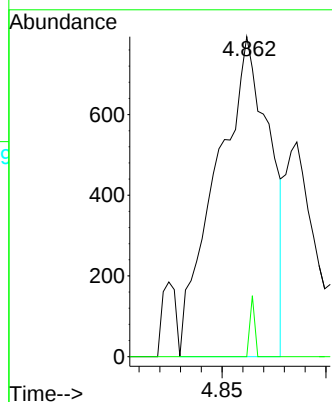
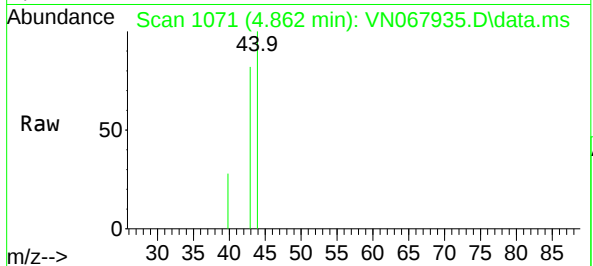




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

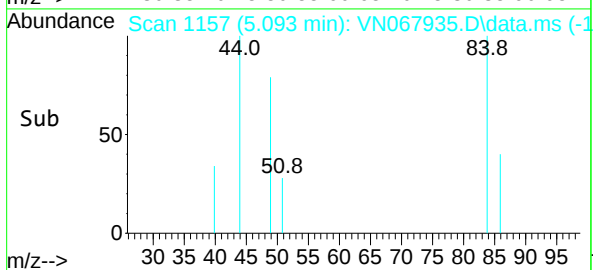
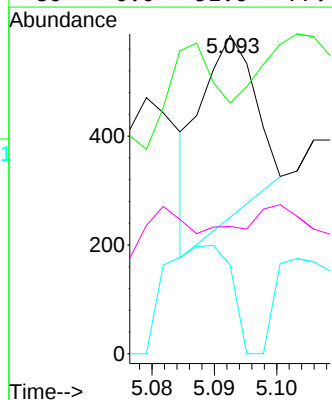
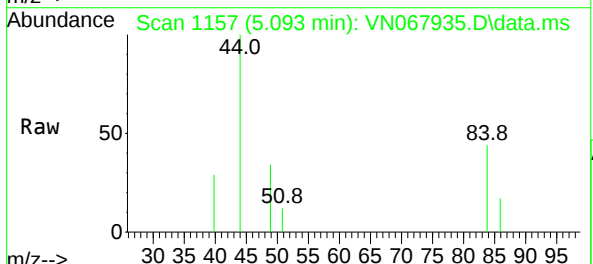
Instrument :
MSVOA_N
ClientSampled :

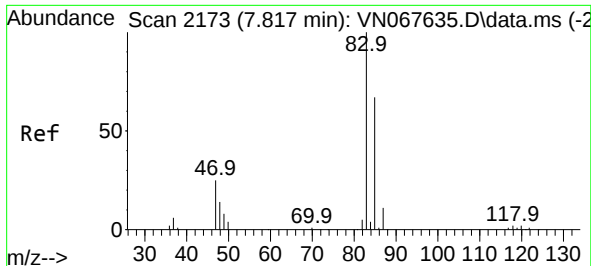
Tgt Ion: 43 Resp: 1413
Ion Ratio Lower Upper
43 100
74 1.7 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 0.0 110.9 166.3#
51 0.0 32.6 49.0#
86 0.0 51.6 77.4#





#30

Chloroform

Concen: 0.842 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.006 min

Lab File: VN067935.D

Acq: 27 Jul 2021 18:01

Tgt Ion: 83 Resp: 5586

Ion Ratio Lower Upper

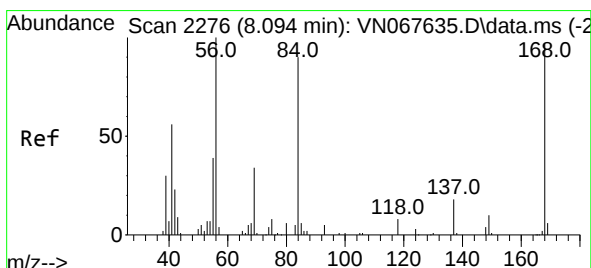
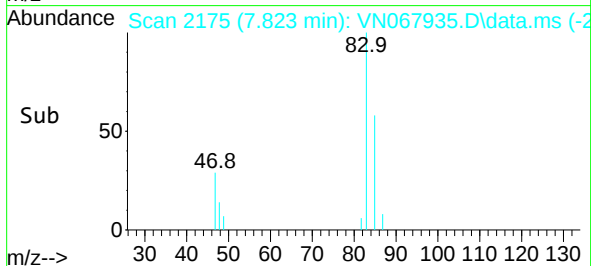
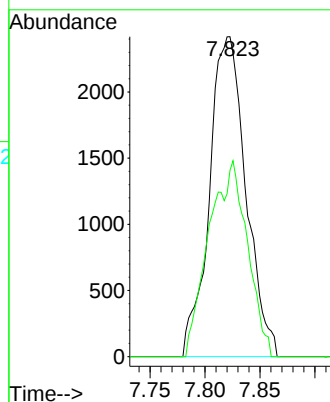
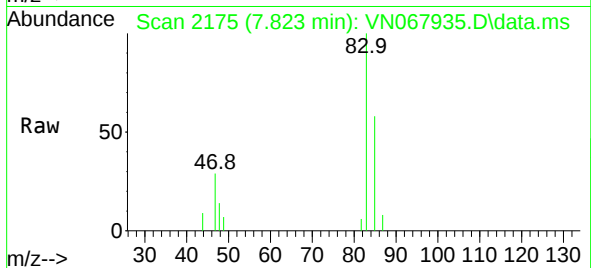
83 100

85 58.1 51.5 77.3

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 1.313 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.003 min

Lab File: VN067935.D

Acq: 27 Jul 2021 18:01

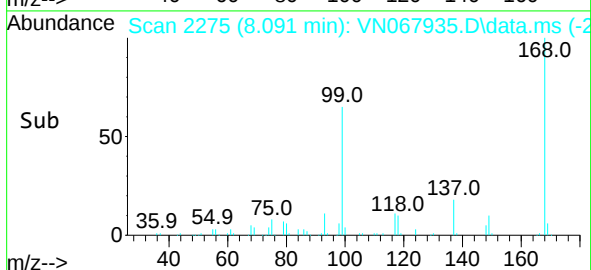
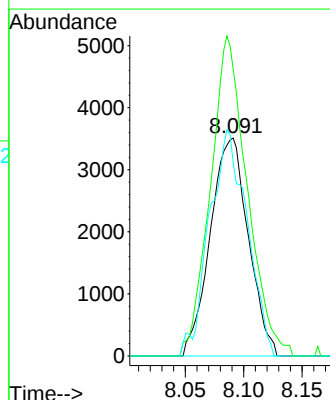
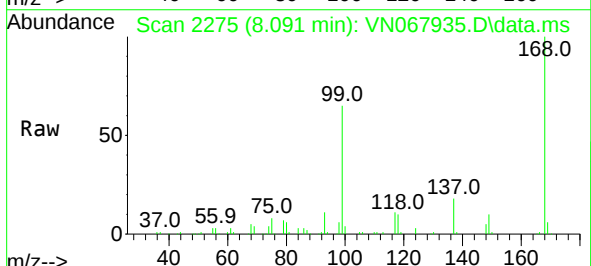
Tgt Ion: 56 Resp: 7944

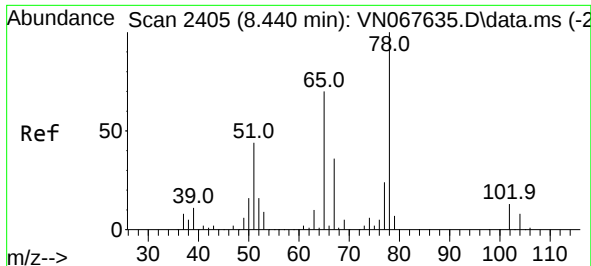
Ion Ratio Lower Upper

56 100

69 131.5 27.3 40.9#

84 88.9 64.9 97.3



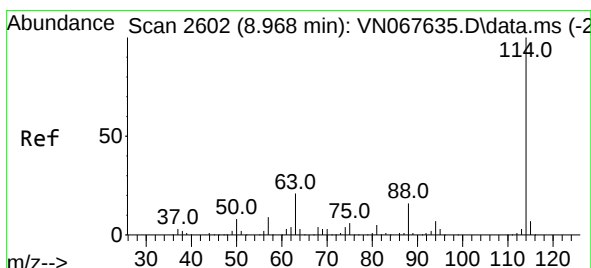
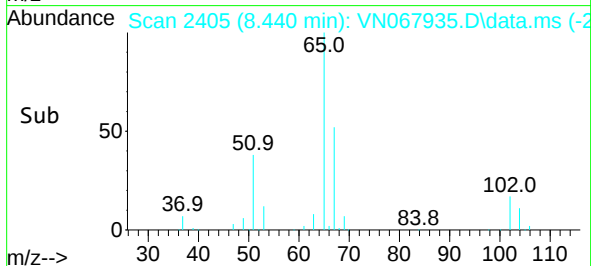
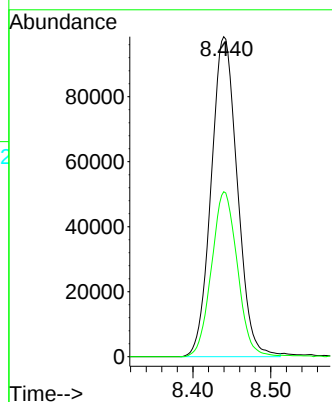
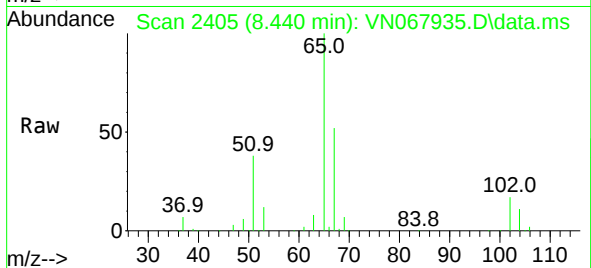


#33

1,2-Dichloroethane-d4
Concen: 53.254 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Instrument :
MSVOA_N
ClientSampleId :

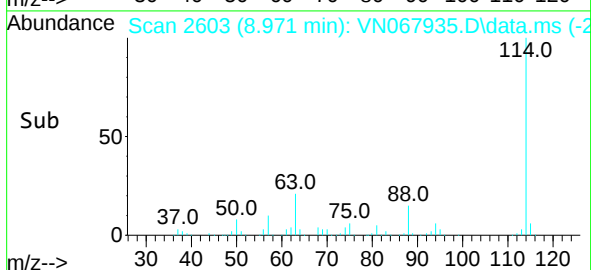
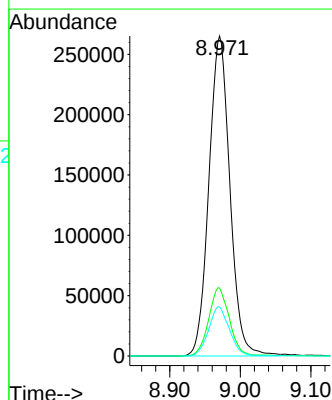
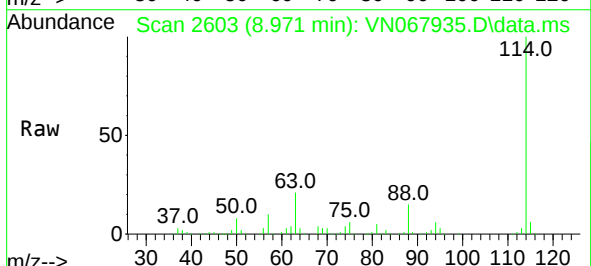
Tgt Ion: 65 Resp: 229826
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

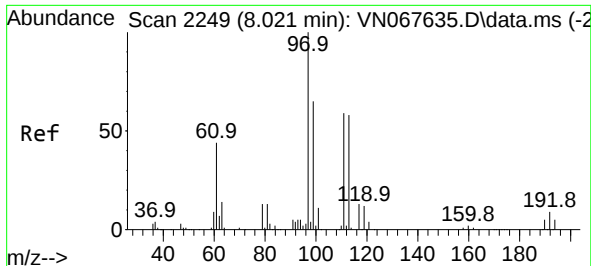


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion: 114 Resp: 548560
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.4 0.0 36.6

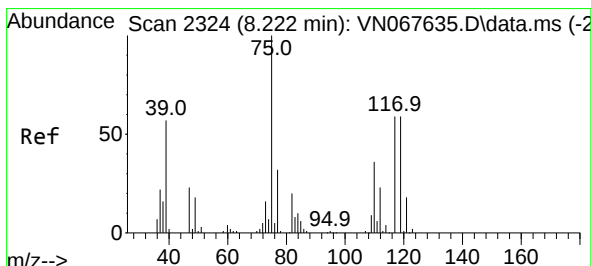
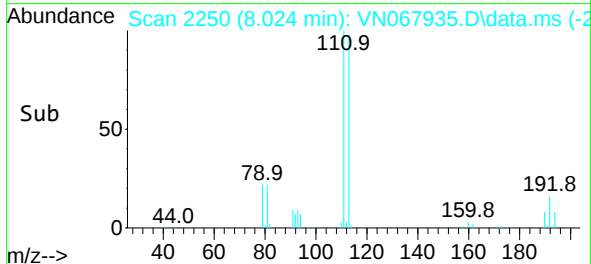
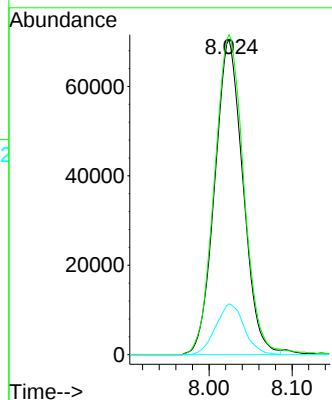
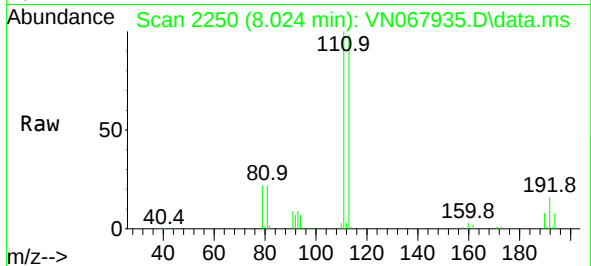




#35
Dibromofluoromethane
Concen: 50.150 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

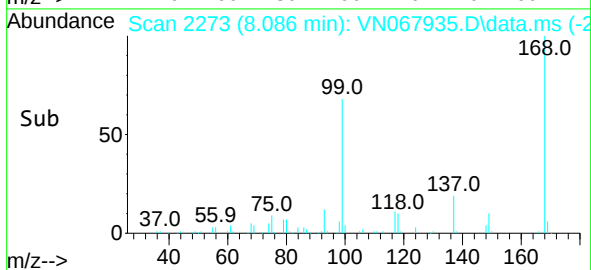
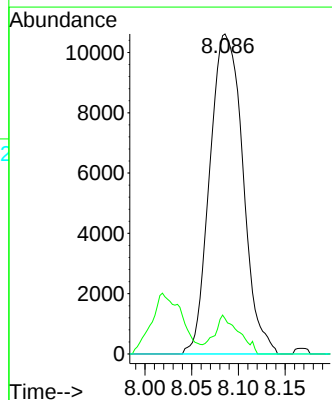
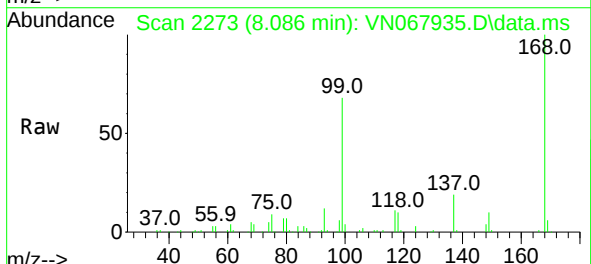
Instrument :
MSVOA_N
ClientSampled :

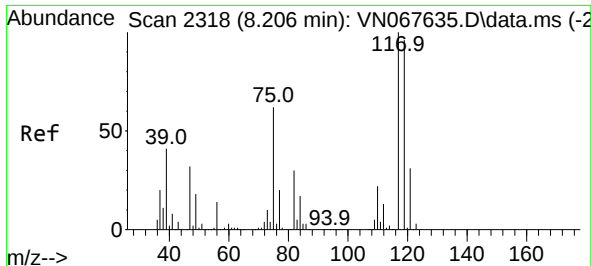
Tgt Ion:113 Resp: 166209
Ion Ratio Lower Upper
113 100
111 106.3 83.8 125.8
192 16.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.127 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

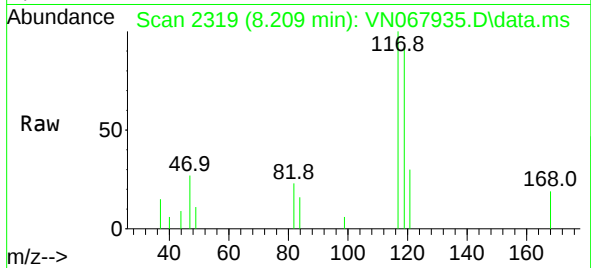
Tgt Ion: 75 Resp: 26126
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



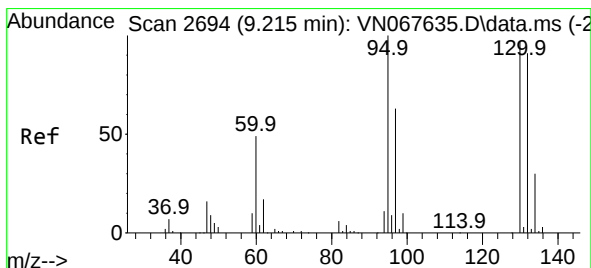
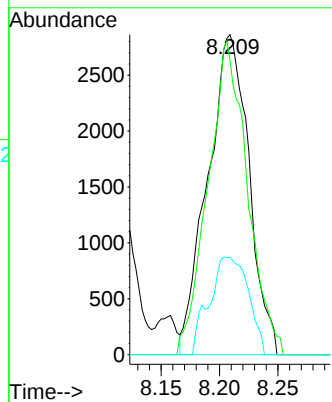
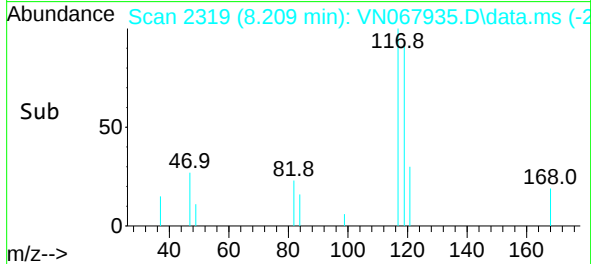


#38
Carbon Tetrachloride
Concen: 1.397 ug/l
RT: 8.209 min Scan# 2319
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

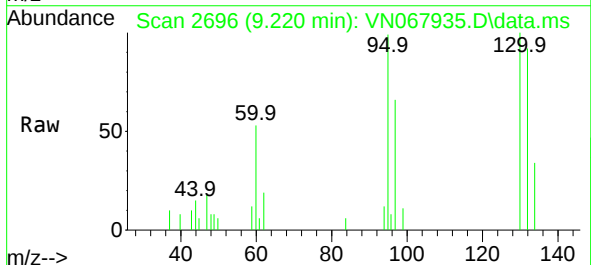
Instrument :
MSVOA_N
ClientSampleId :



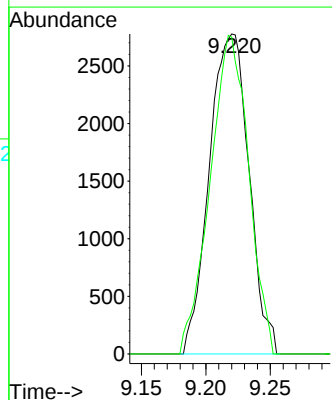
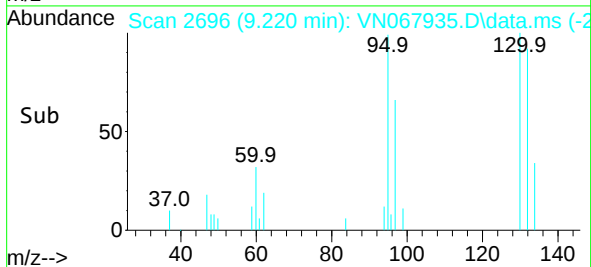
Tgt Ion:117 Resp: 7021
Ion Ratio Lower Upper
117 100
119 86.7 75.4 113.2
121 30.4 23.5 35.3

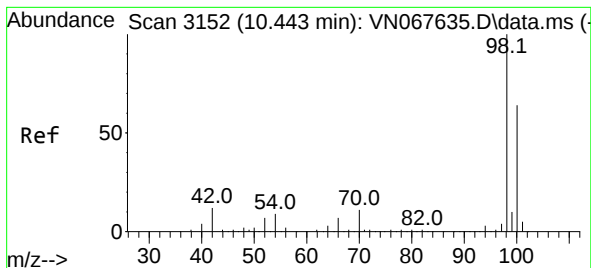


#44
Trichloroethene
Concen: 1.535 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.005 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01



Tgt Ion:130 Resp: 5943
Ion Ratio Lower Upper
130 100
95 99.0 0.0 234.4

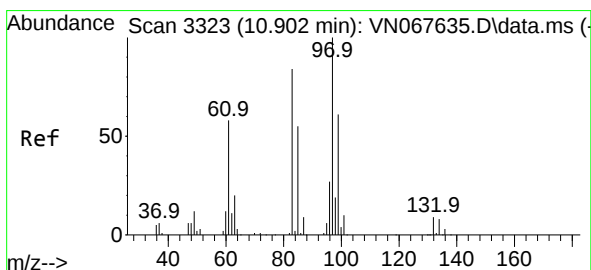
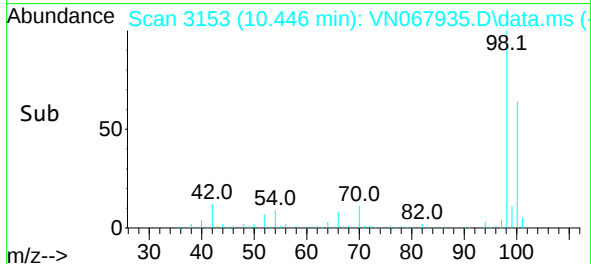
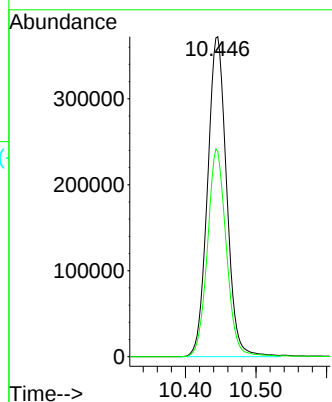
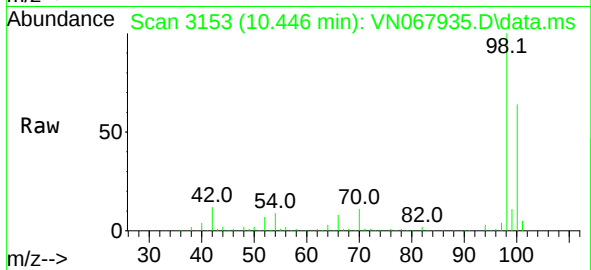




#50
Toluene-d8
Concen: 50.418 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

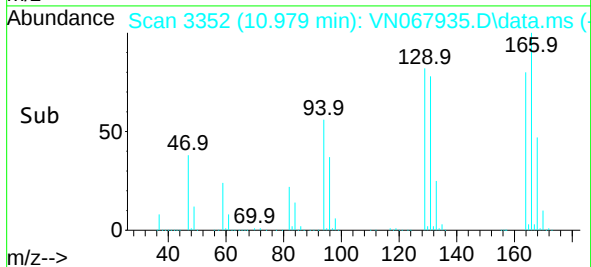
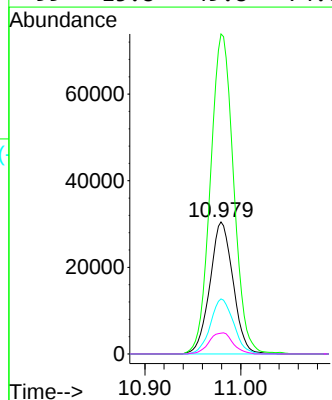
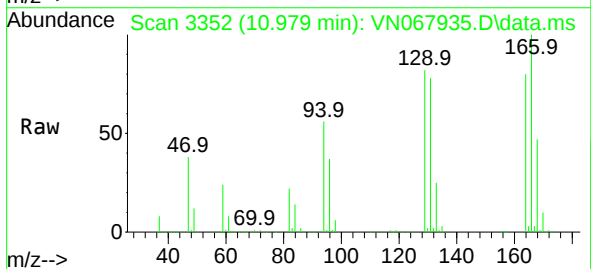
Instrument :
MSVOA_N
ClientSampleId :

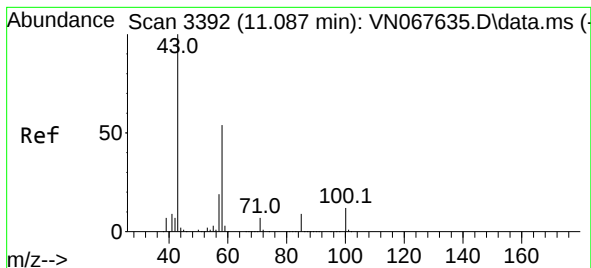
Tgt Ion: 98 Resp: 699429
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 13.364 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.077 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion: 97 Resp: 51169
Ion Ratio Lower Upper
97 100
83 242.4 72.0 108.0#
85 41.7 46.8 70.2#
99 15.8 49.8 74.6#

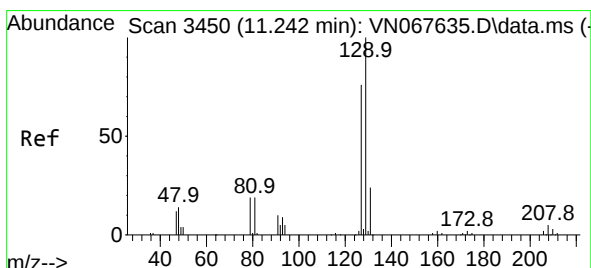
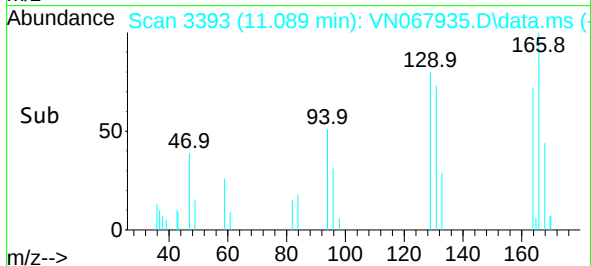
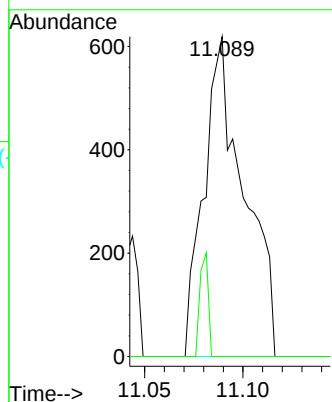
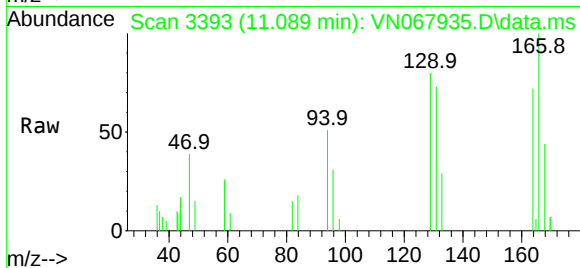




#59
2-Hexanone
Concen: 0.236 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

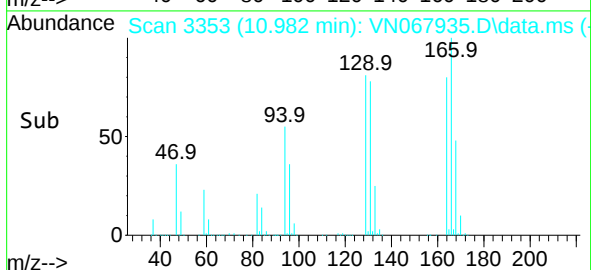
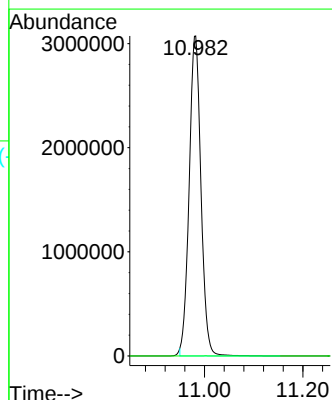
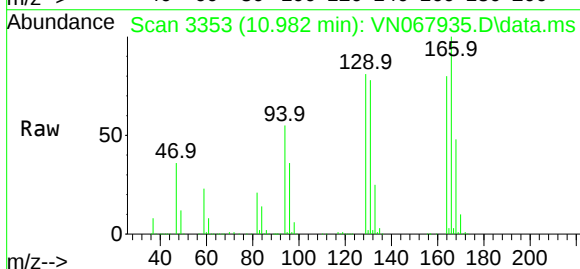
Instrument :
MSVOA_N
ClientSampled :

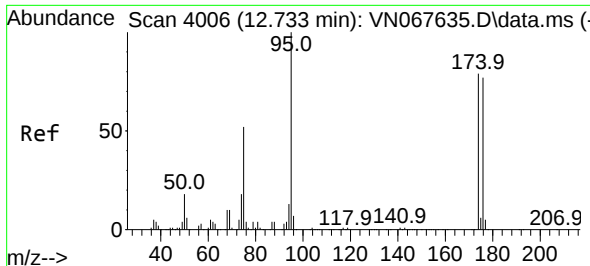
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 6.7 24.7 74.1#



#60
Dibromochloromethane
Concen: 1034.649 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion: 129 Resp: 5091103
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

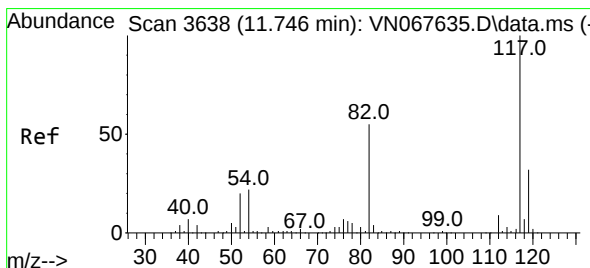
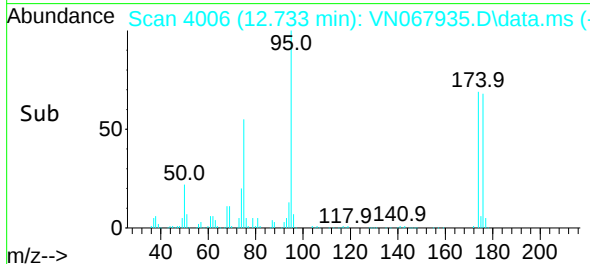
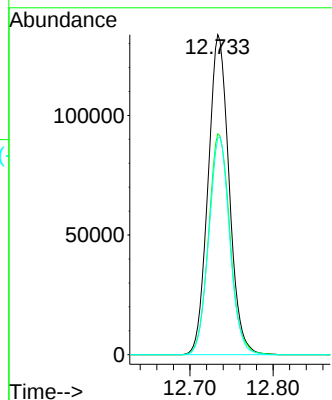
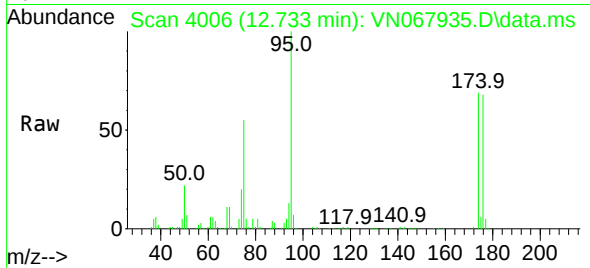




#62
4-Bromofluorobenzene
Concen: 47.854 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

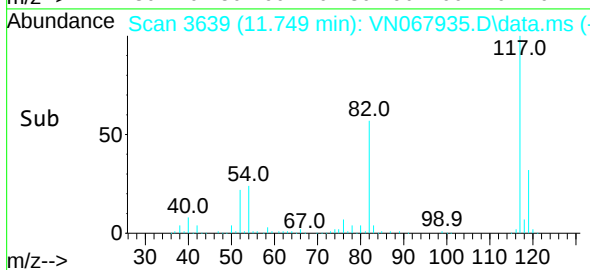
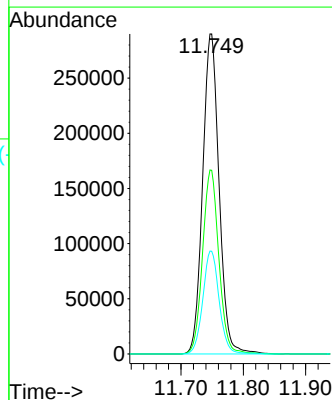
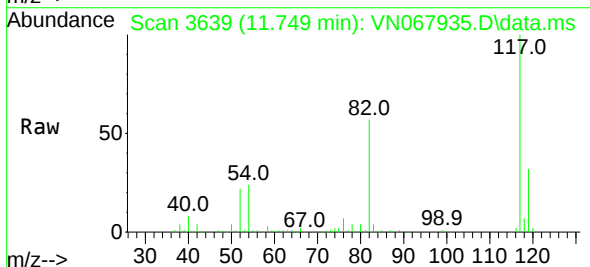
Instrument :
MSVOA_N
ClientSampled :

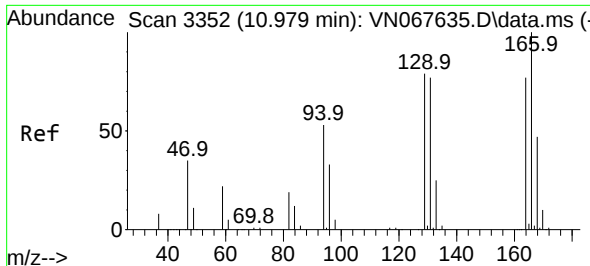
Tgt Ion: 95 Resp: 234514
Ion Ratio Lower Upper
95 100
174 70.4 0.0 122.0
176 68.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

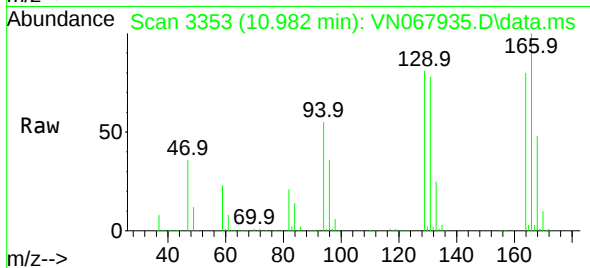
Tgt Ion: 117 Resp: 530678
Ion Ratio Lower Upper
117 100
82 57.4 53.1 79.7
119 32.1 25.5 38.3



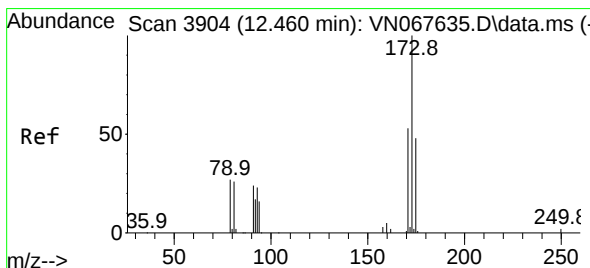
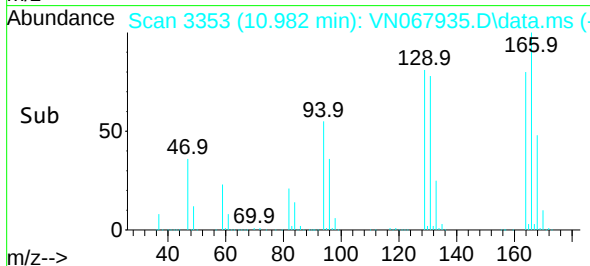
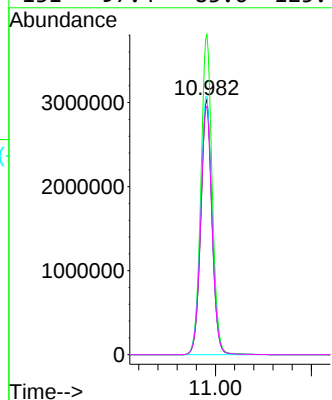


#64
Tetrachloroethene
Concen: 1327.893 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Instrument :
MSVOA_N
ClientSampleId :

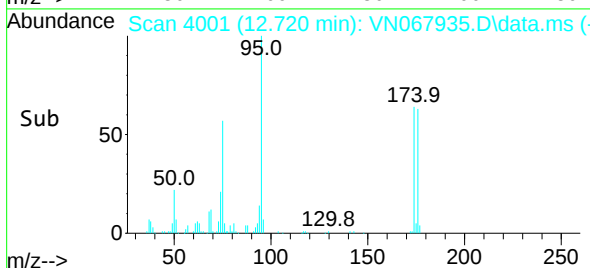
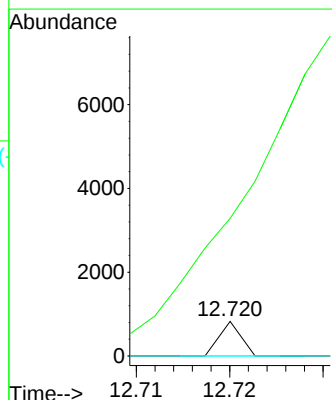
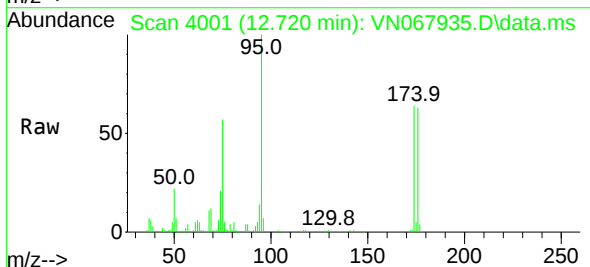


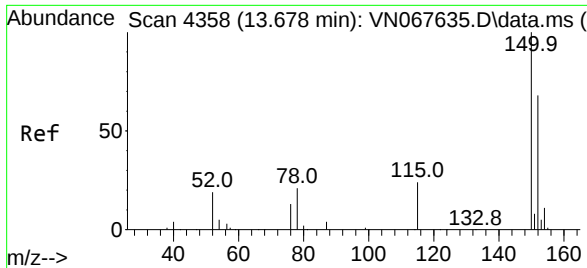
Tgt Ion:164 Resp: 4974262
Ion Ratio Lower Upper
164 100
166 125.5 102.1 153.1
129 101.3 86.9 130.3
131 97.4 83.6 125.4



#71
Bromoform
Concen: 3.212 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 9136.8 23.9 71.8#
254 0.0 0.0 0.0

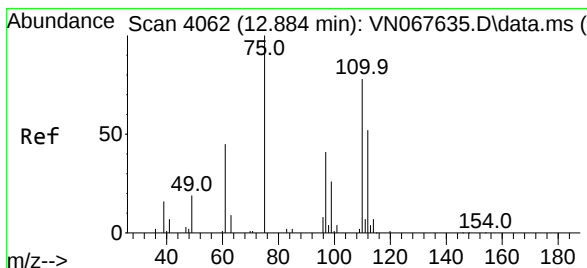
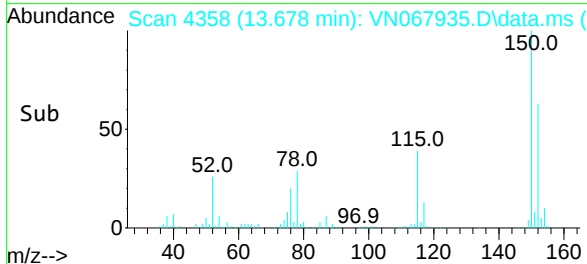
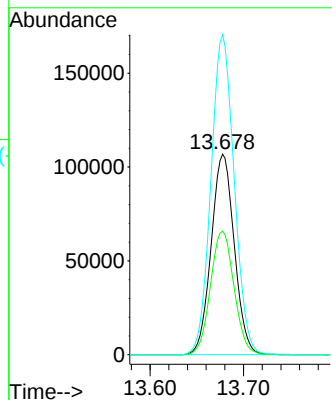
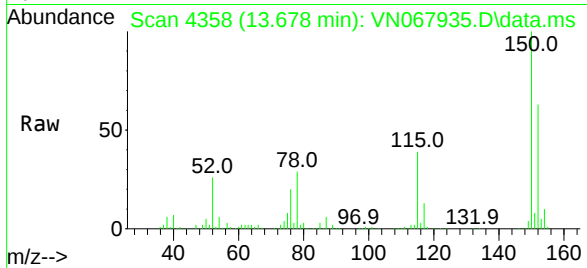




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

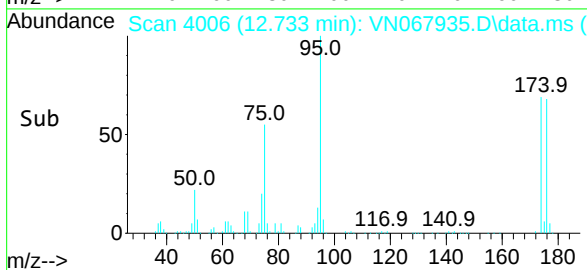
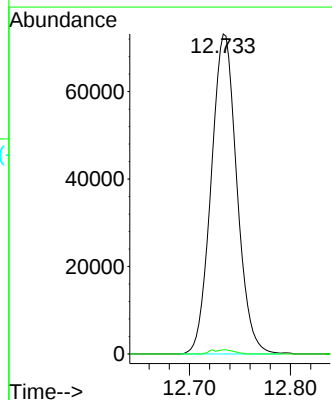
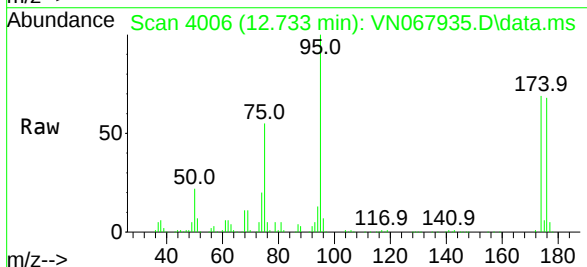
Instrument :
MSVOA_N
ClientSampleId :

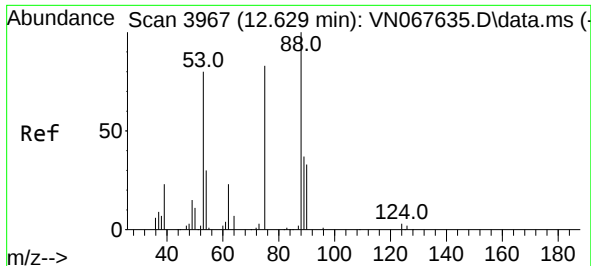
Tgt Ion:152 Resp: 183880
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 160.4 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 34.394 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

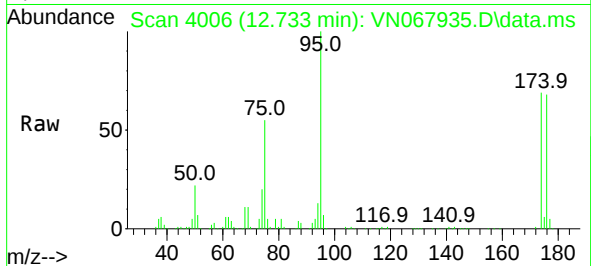
Tgt Ion: 75 Resp: 129155
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



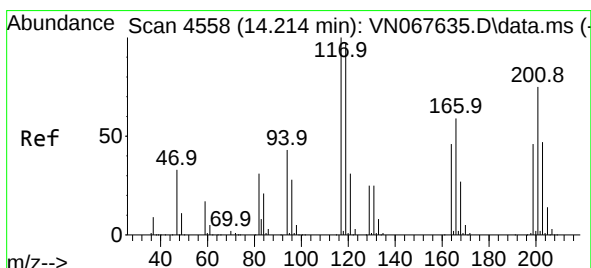
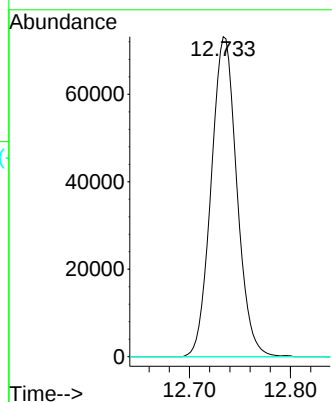
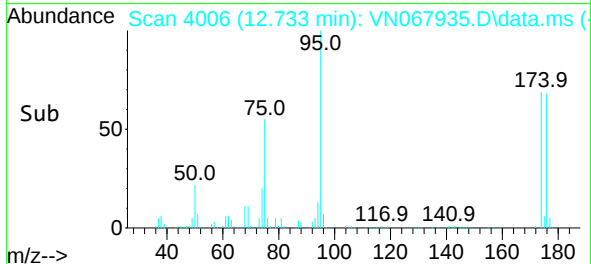


#81
trans-1,4-Dichloro-2-butene
Concen: 110.890 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Instrument :
MSVOA_N
ClientSampled :

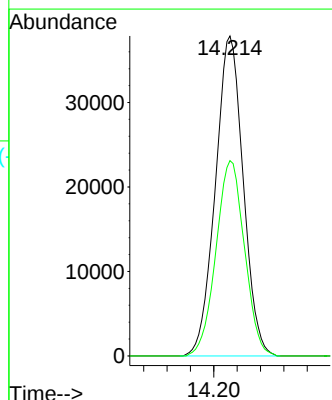
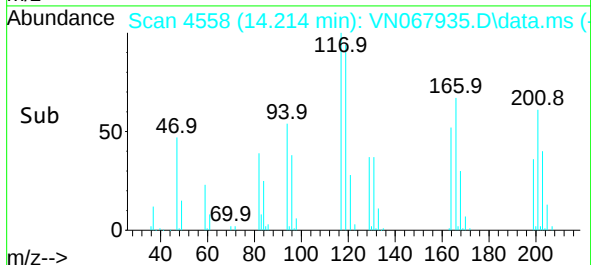
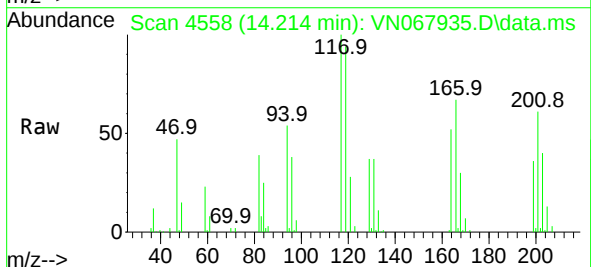


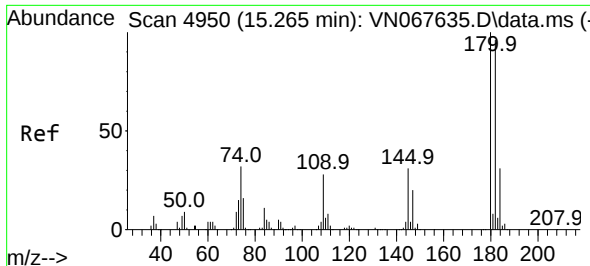
Tgt Ion: 75 Resp: 129155
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#90
Hexachloroethane
Concen: 32.934 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. -0.000 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

Tgt Ion:117 Resp: 62626
Ion Ratio Lower Upper
117 100
201 62.5 33.5 100.5

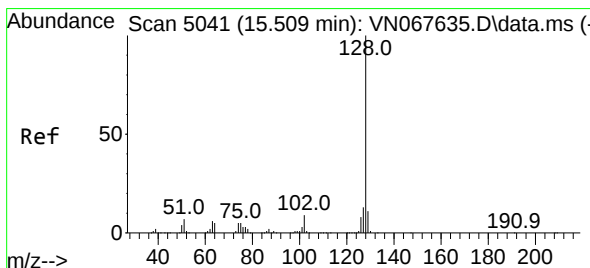
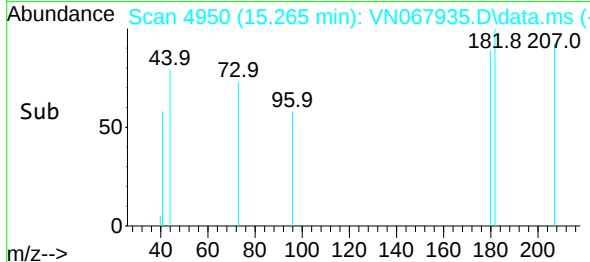
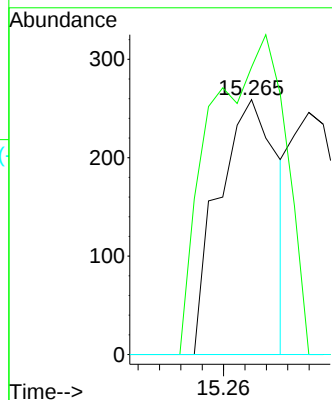
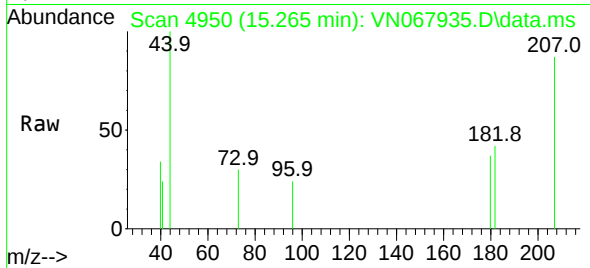




#93
1,2,4-Trichlorobenzene
Concen: 2.735 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

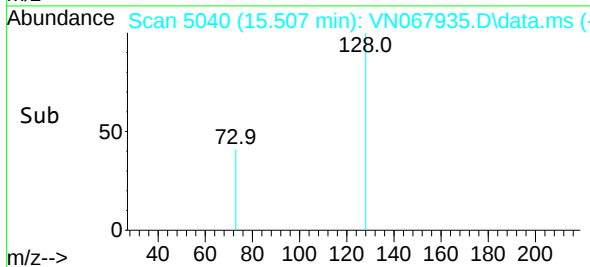
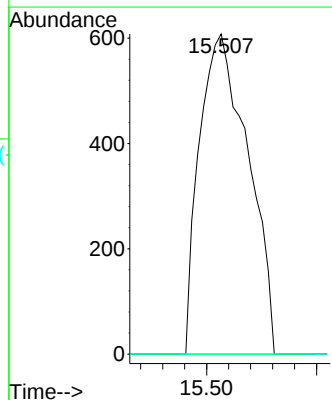
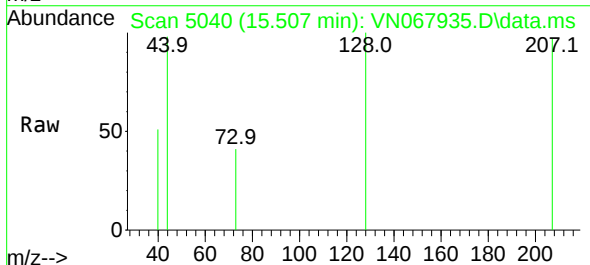
Instrument :
MSVOA_N
ClientSampled :

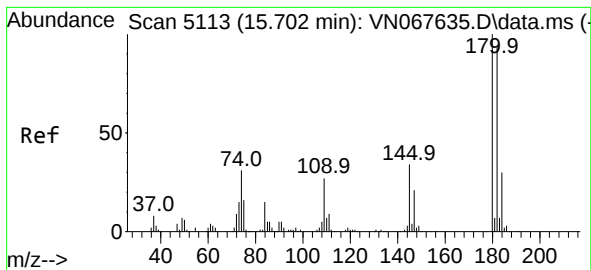
Tgt Ion:180 Resp: 197
Ion Ratio Lower Upper
180 100
182 160.9 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.109 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067935.D
Acq: 27 Jul 2021 18:01

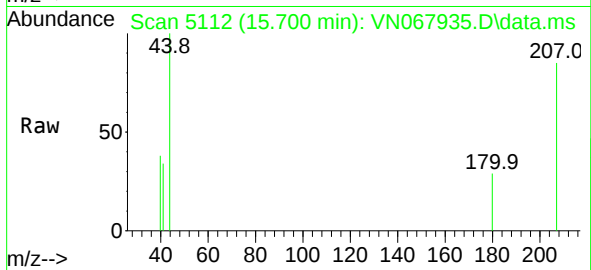
Tgt Ion:128 Resp: 931
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.649 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067935.D
 Acq: 27 Jul 2021 18:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	52
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	18.2	54.6#

