

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067887.D
 Acq On : 23 Jul 2021 18:06
 Operator : JC/MD
 Sample : M3147-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:43:16 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)

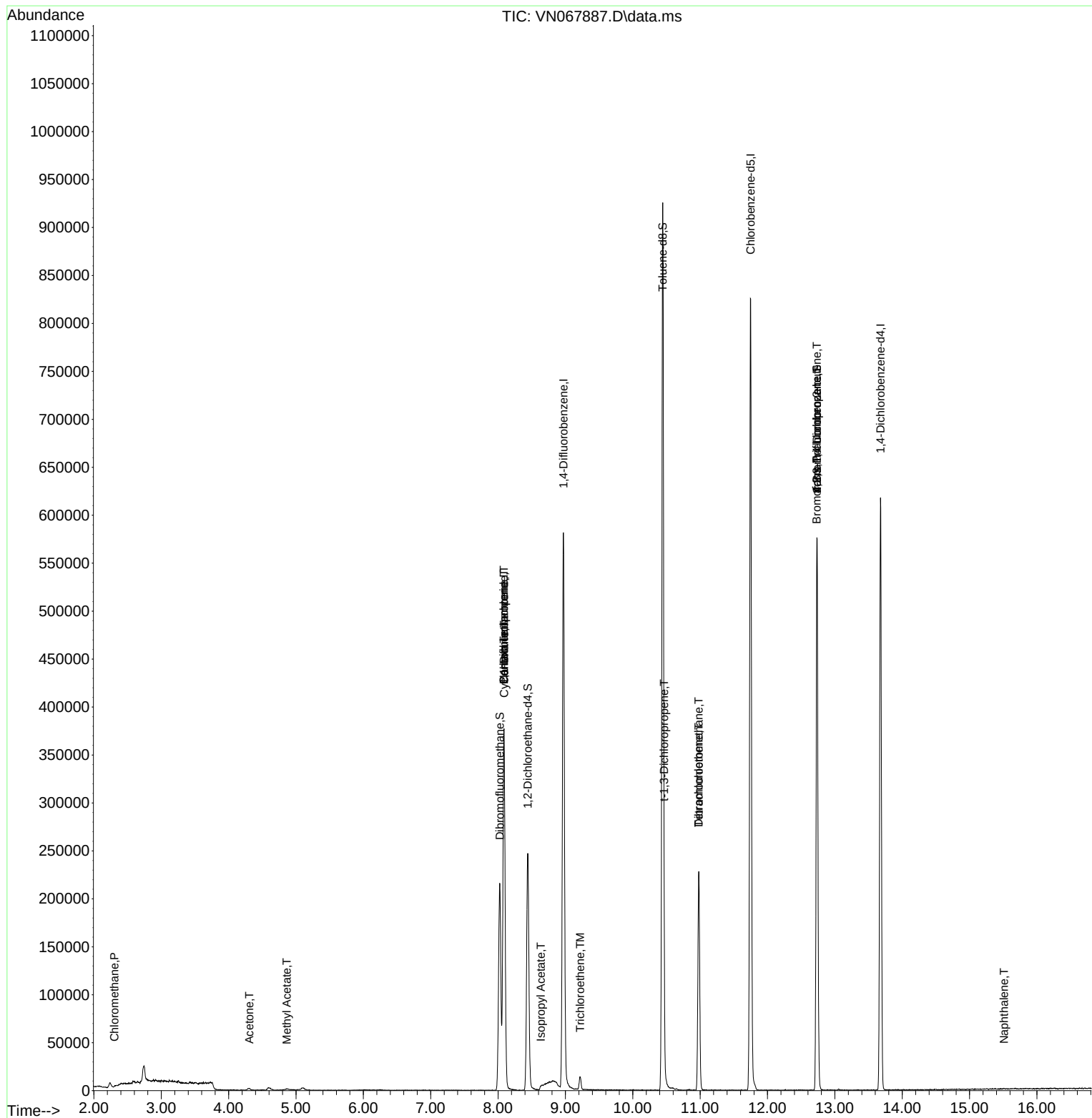
Internal Standards						
1) Pentafluorobenzene	8.088	168	268087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	514121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	483344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	161574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	214543	52.952	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.900%		
35) Dibromofluoromethane	8.027	113	157406	50.675	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.340%		
50) Toluene-d8	10.443	98	646421	49.718	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 99.440%		
62) 4-Bromofluorobenzene	12.733	95	201407	43.851	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 87.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	901	0.250	ug/l	96
5) Bromomethane	2.826	94	24	Below Cal	#	4
6) Chloroethane	2.960	64	51	Below Cal	#	44
13) Acrolein	4.039	56	52	Below Cal	#	14
16) Acetone	4.309	43	3172	2.488	ug/l #	85
18) Methyl Acetate	4.865	43	1490	0.416	ug/l #	79
20) Methylene Chloride	5.087	84	641	Below Cal	#	50
31) Cyclohexane	8.091	56	7498	1.320	ug/l #	9
36) 1,1-Dichloropropene	8.088	75	24803	5.194	ug/l #	52
38) Carbon Tetrachloride	8.088	117	29574	6.278	ug/l #	16
43) Isopropyl Acetate	8.633	43	2003	0.246	ug/l #	58
44) Trichloroethene	9.217	130	4481	1.235	ug/l	83
53) t-1,3-Dichloropropene	10.464	75	25	1.748	ug/l #	43
60) Dibromochloromethane	10.979	129	49558	13.079	ug/l #	11
64) Tetrachloroethene	10.979	164	47482	13.917	ug/l	97
71) Bromoform	12.731	173	260	3.254	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	116266	35.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	116266	113.605	ug/l #	6
95) Naphthalene	15.512	128	181	3.034	ug/l #	69

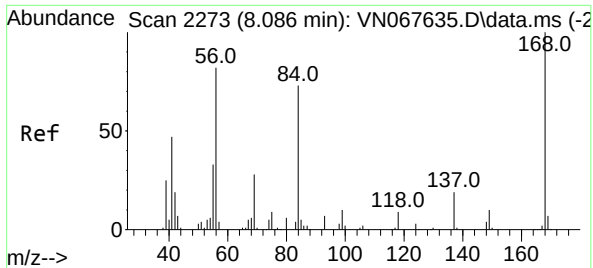
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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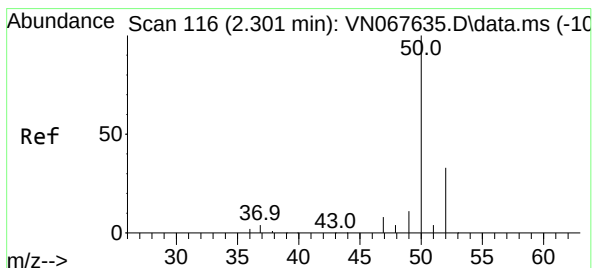
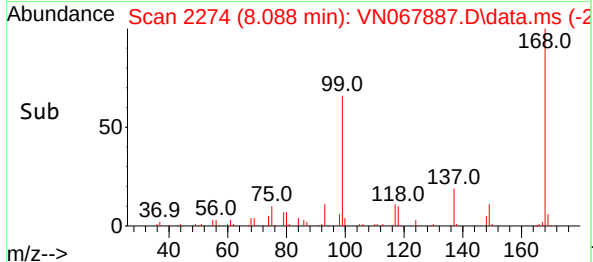
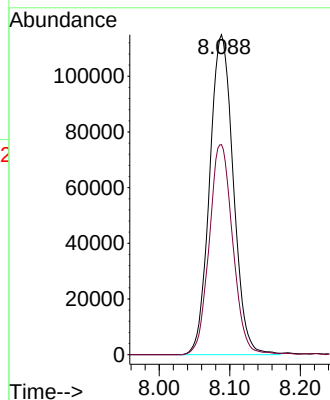
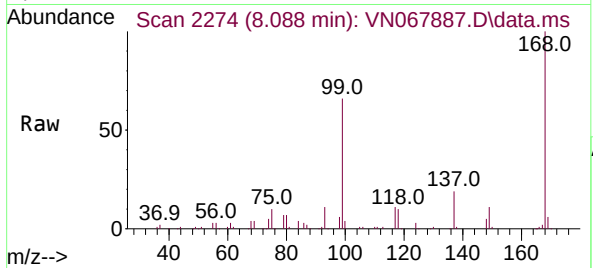




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

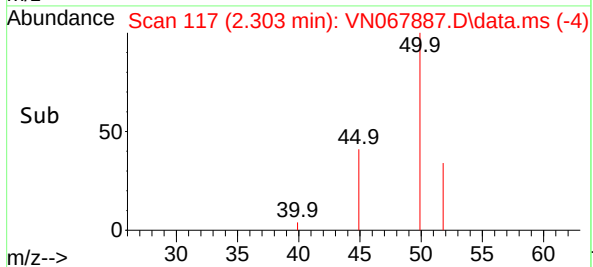
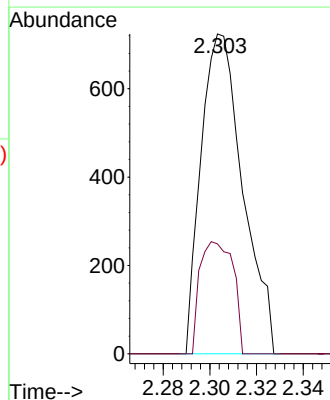
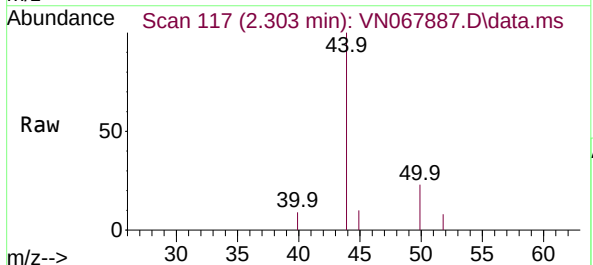
Instrument :
MSVOA_N
ClientSampled :

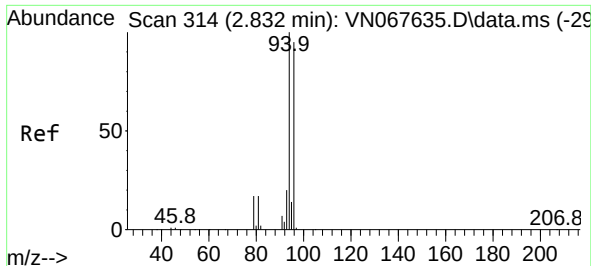
Tgt Ion:168 Resp: 268087
Ion Ratio Lower Upper
168 100
99 65.6 62.9 94.3



#3
Chloromethane
Concen: 0.250 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 50 Resp: 901
Ion Ratio Lower Upper
50 100
52 34.4 25.6 38.4

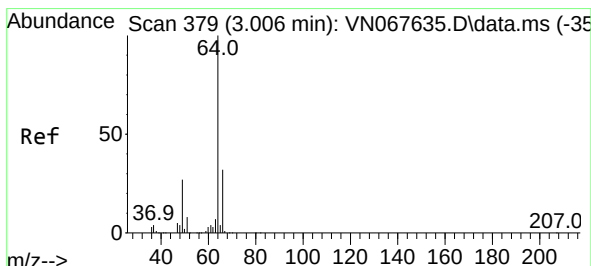
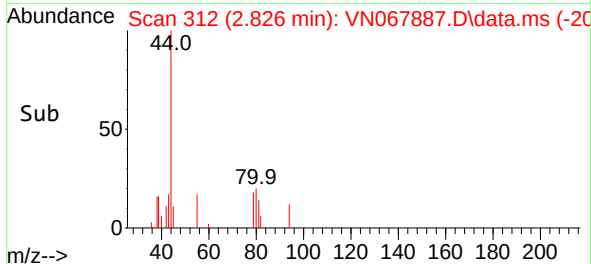
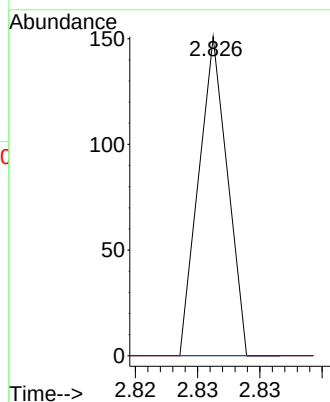
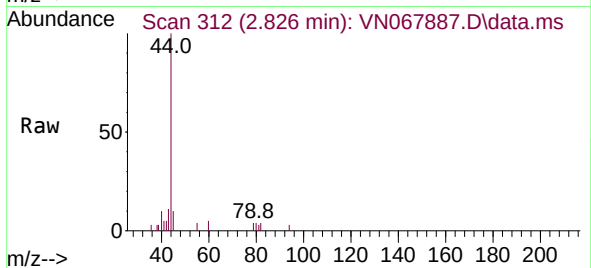




#5
Bromomethane
Concen: Below Cal
RT: 2.826 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

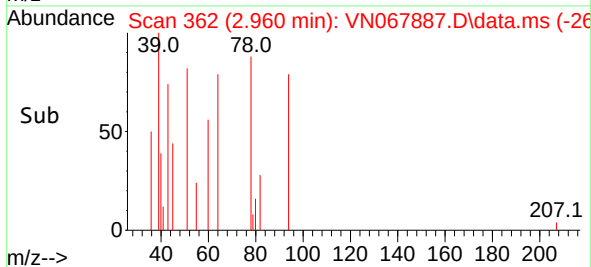
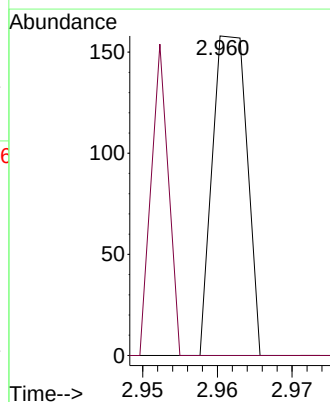
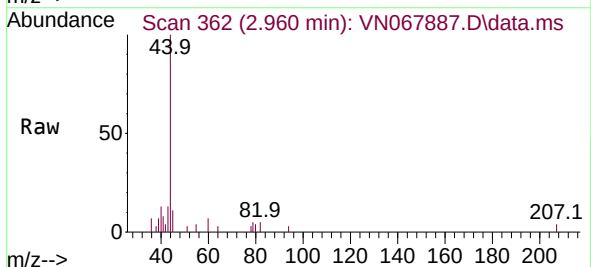
Instrument :
MSVOA_N
ClientSampled :

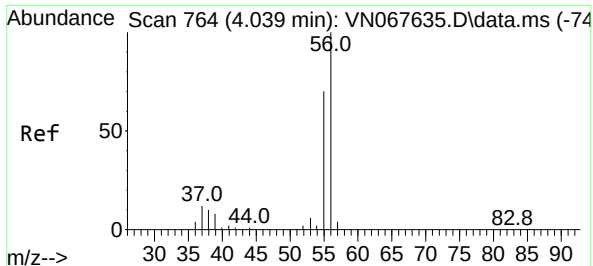
Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.960 min Scan# 362
Delta R.T. -0.046 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

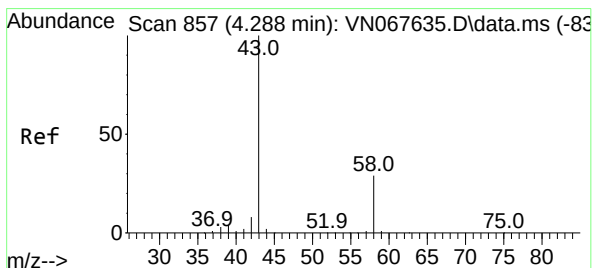
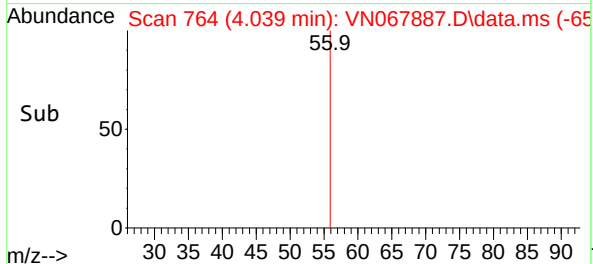
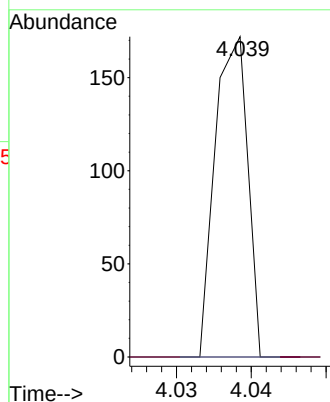
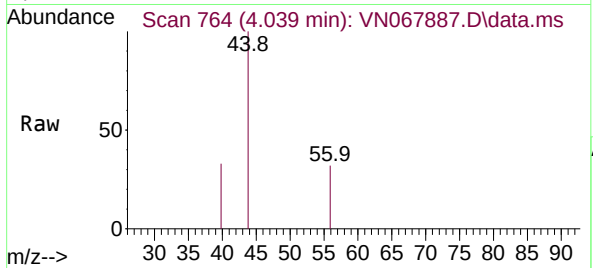




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

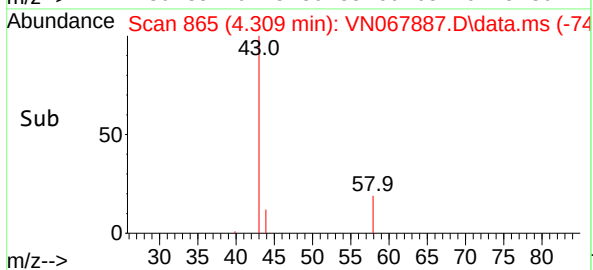
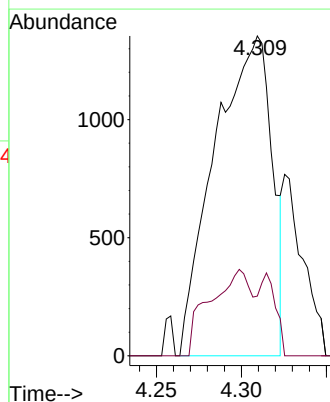
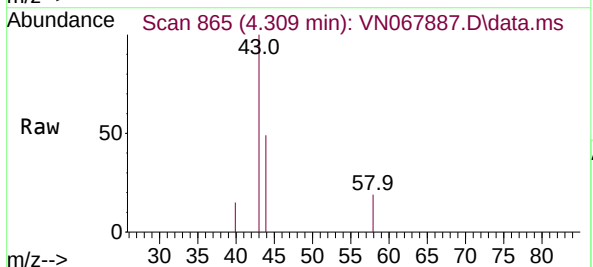
Instrument :
MSVOA_N
ClientSampleId :

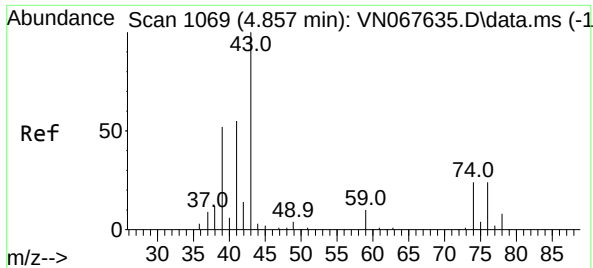
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.488 ug/l
RT: 4.309 min Scan# 865
Delta R.T. 0.021 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
58 18.7 21.2 31.8#

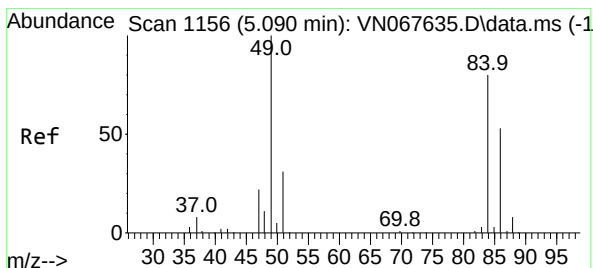
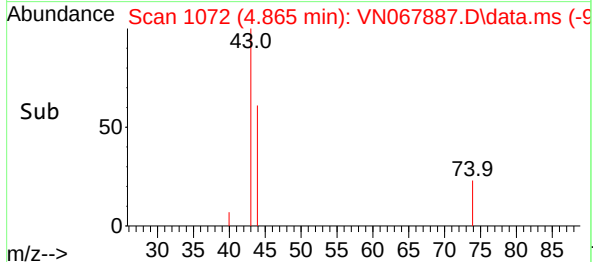
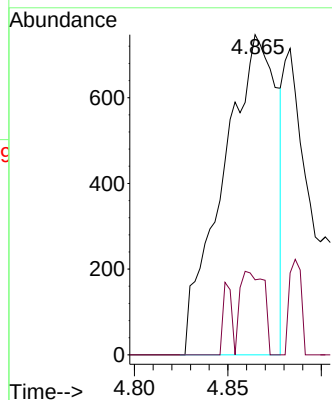
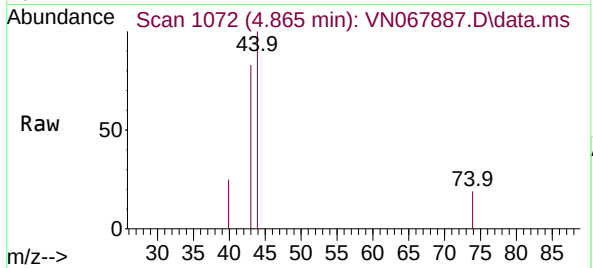




#18
Methyl Acetate
Concen: 0.416 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

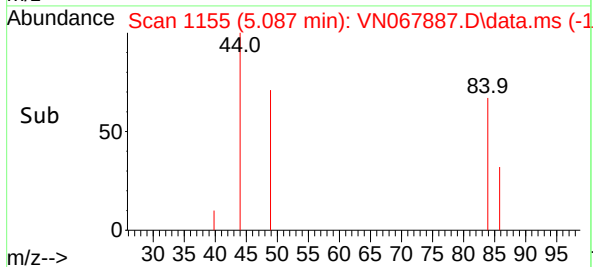
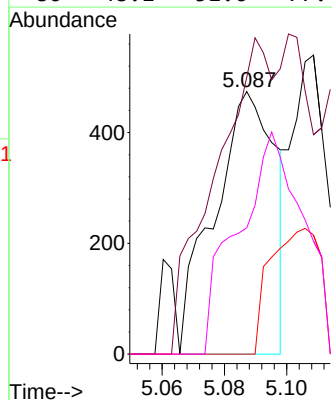
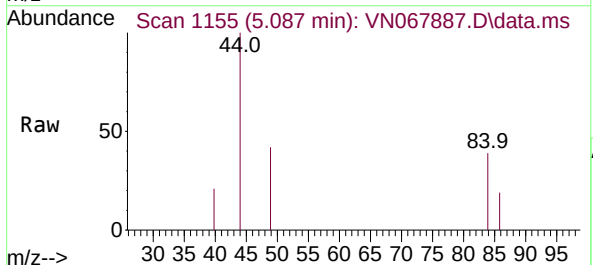
Instrument :
MSVOA_N
ClientSampled :

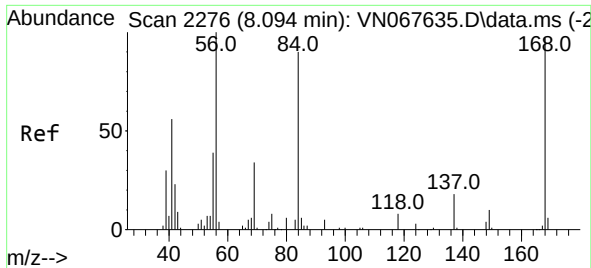
Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
74 11.5 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.003 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 84 Resp: 641
Ion Ratio Lower Upper
84 100
49 68.1 110.9 166.3#
51 0.0 32.6 49.0#
86 48.1 51.6 77.4#

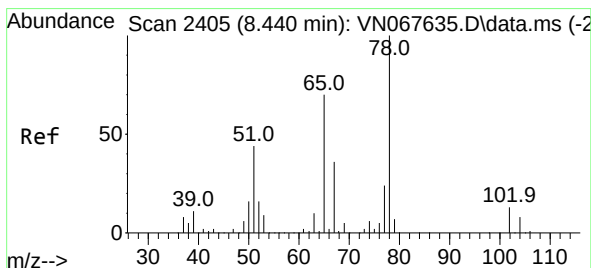
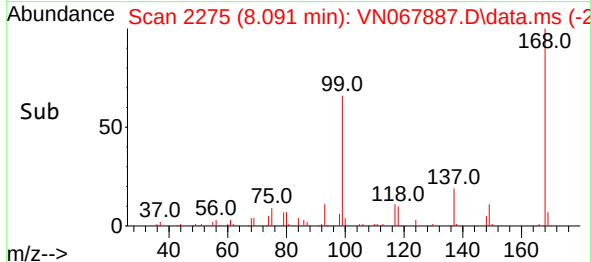
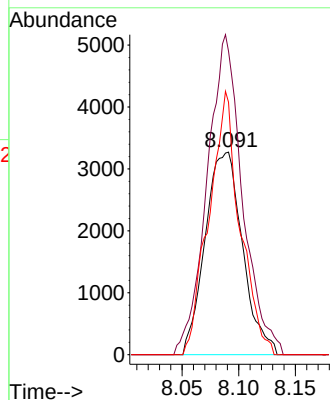
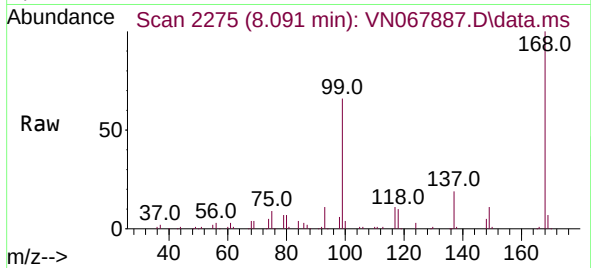




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

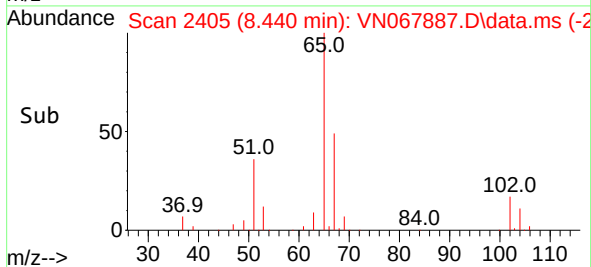
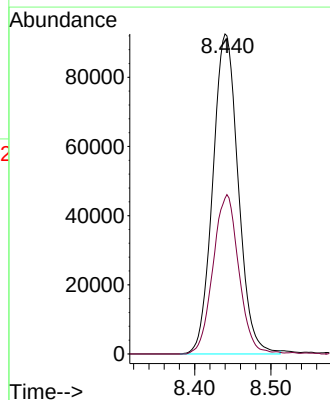
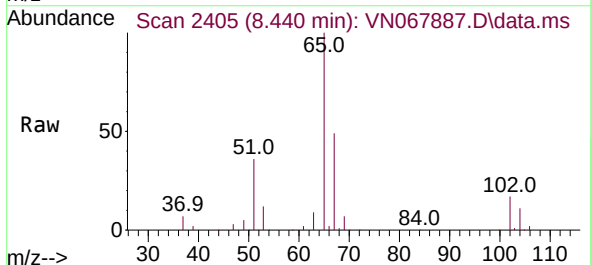
Instrument :
MSVOA_N
ClientSampleId :

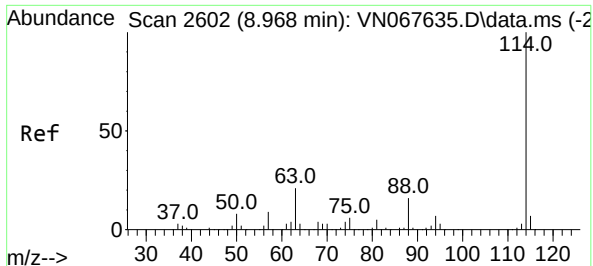
Tgt Ion: 56 Resp: 7498
Ion Ratio Lower Upper
56 100
69 144.3 27.3 40.9#
84 124.6 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.952 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 65 Resp: 214543
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6

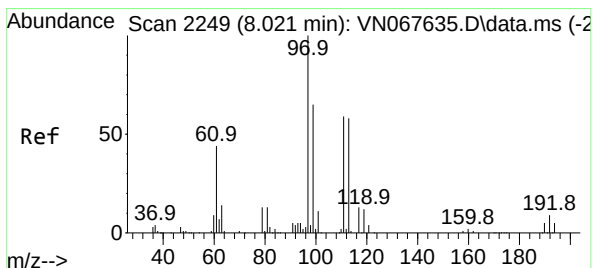
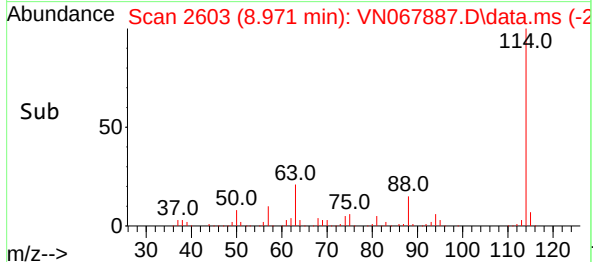
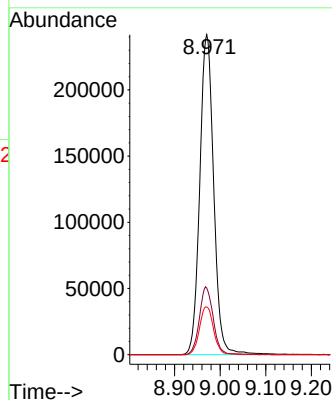
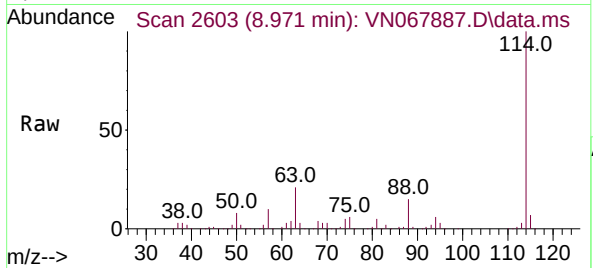




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

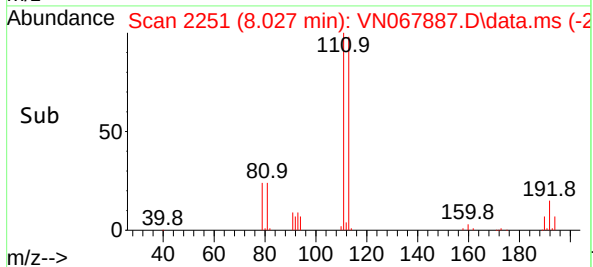
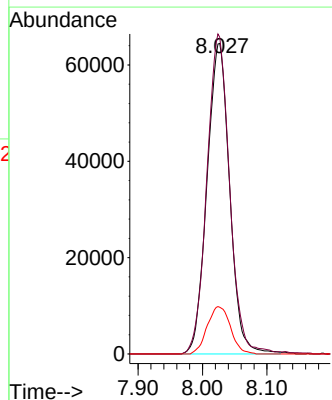
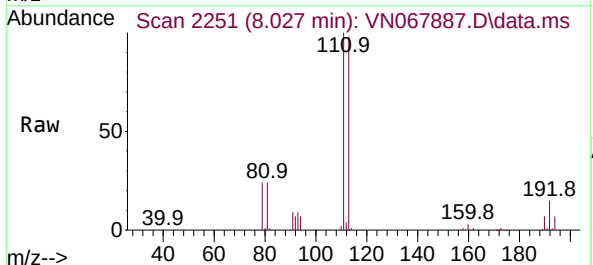
Instrument :
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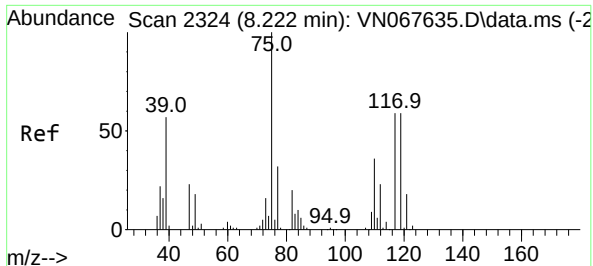
Tgt Ion:114 Resp: 514121
Ion Ratio Lower Upper
114 100
63 20.8 0.0 49.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.675 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion:113 Resp: 157406
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 15.7 13.4 20.0

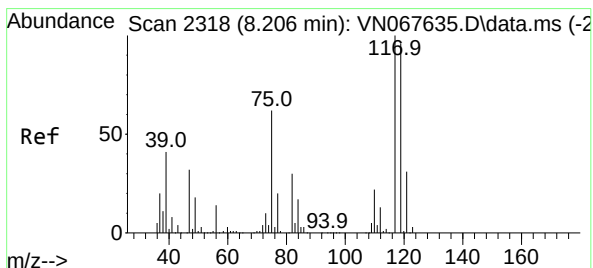
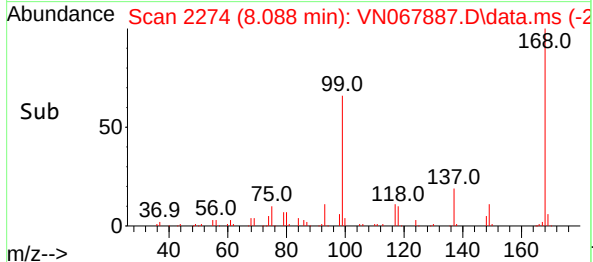
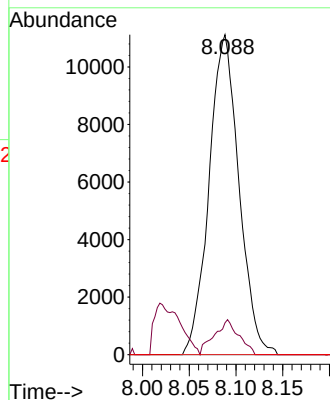
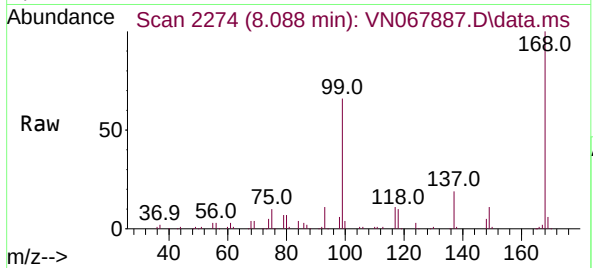




#36
1,1-Dichloropropene
Concen: 5.194 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

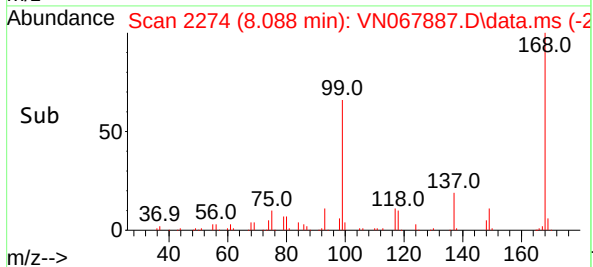
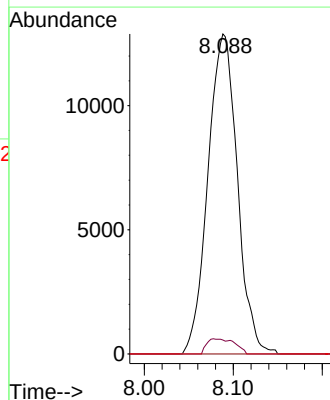
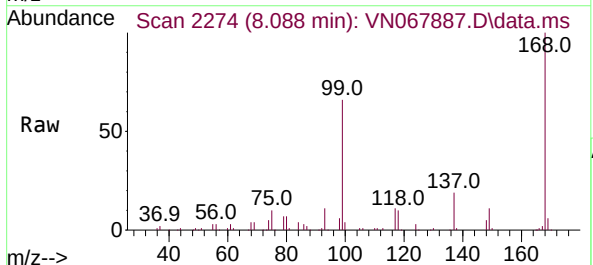
Instrument :
MSVOA_N
ClientSampled :

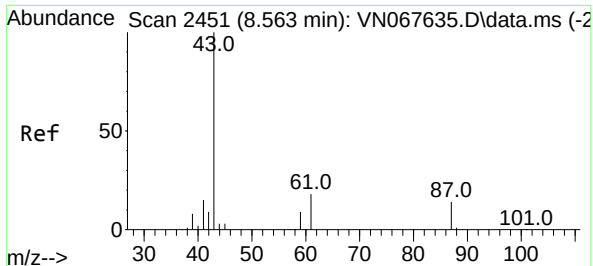
Tgt Ion: 75 Resp: 24803
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 117 Resp: 29574
Ion Ratio Lower Upper
117 100
119 4.3 75.4 113.2#
121 0.0 23.5 35.3#

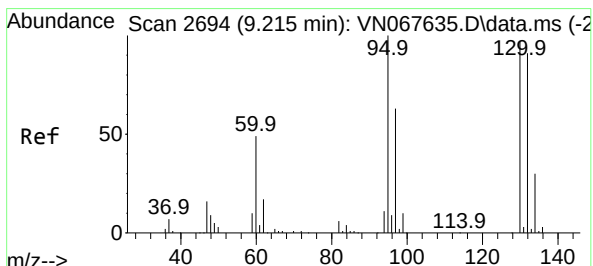
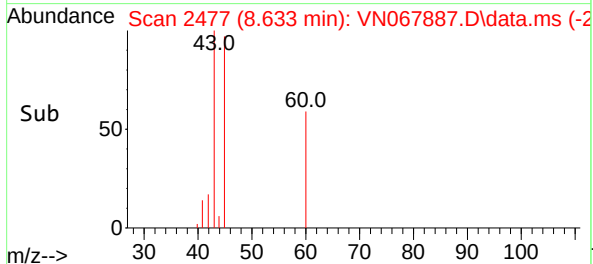
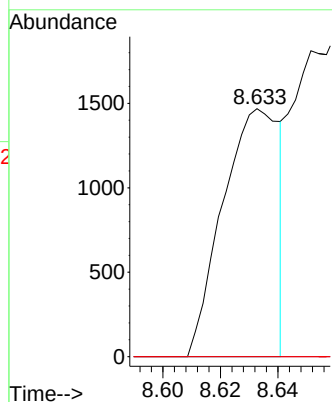
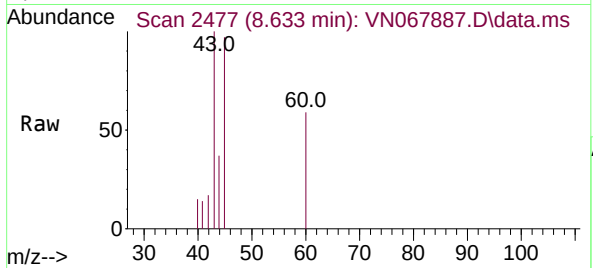




#43
Isopropyl Acetate
Concen: 0.246 ug/l
RT: 8.633 min Scan# 2477
Delta R.T. 0.070 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

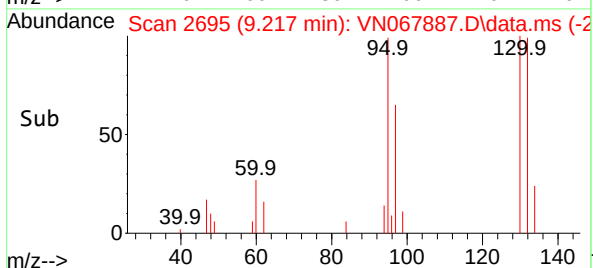
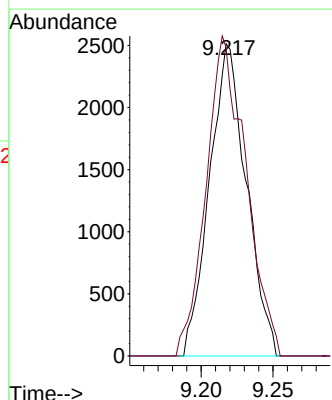
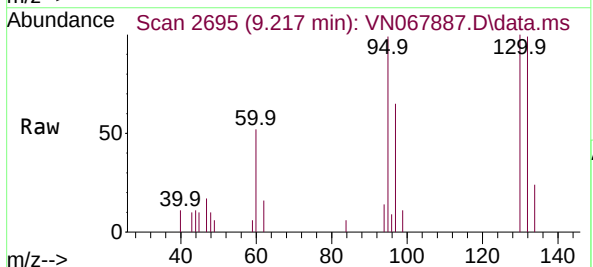
Instrument :
MSVOA_N
ClientSampled :

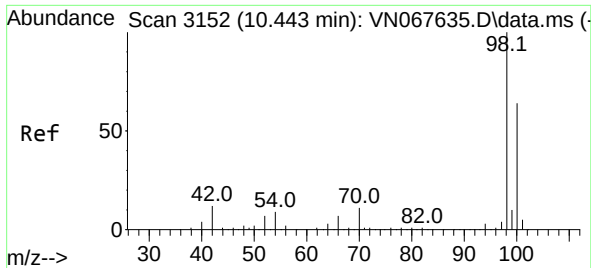
Tgt Ion: 43 Resp: 2003
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#44
Trichloroethene
Concen: 1.235 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.002 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion:130 Resp: 4481
Ion Ratio Lower Upper
130 100
95 98.8 0.0 234.4

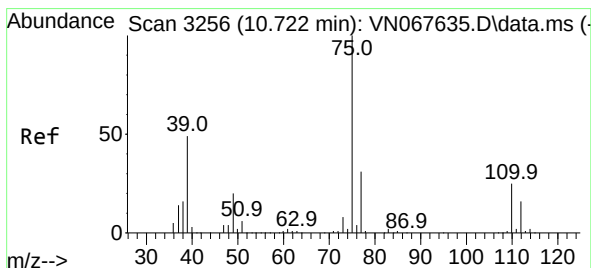
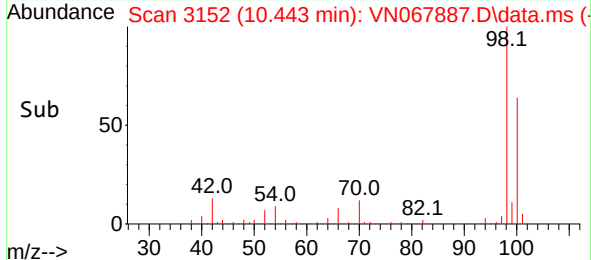
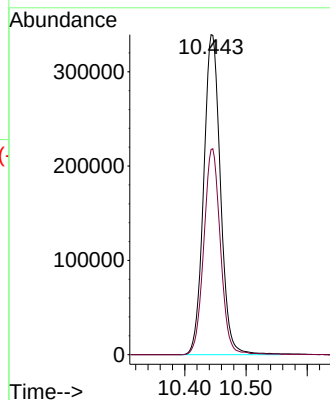
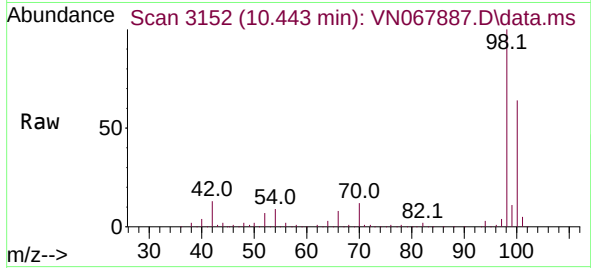




#50
Toluene-d8
Concen: 49.718 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

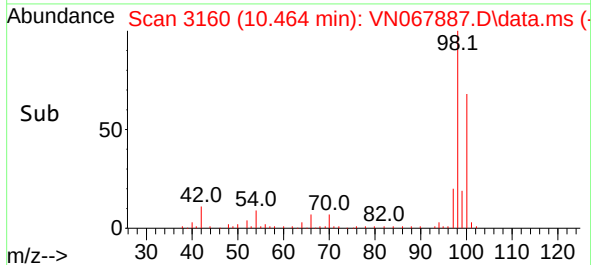
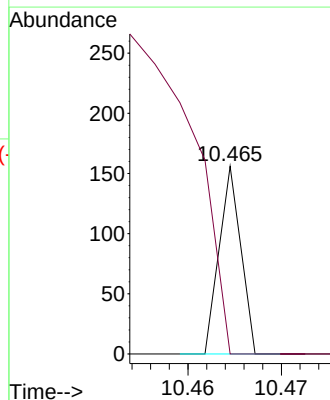
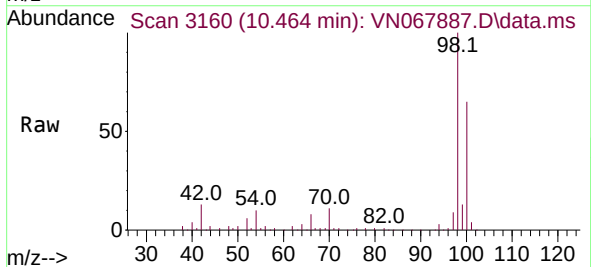
Instrument :
MSVOA_N
ClientSampled :

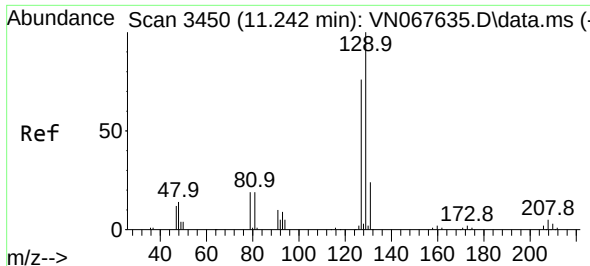
Tgt Ion: 98 Resp: 646421
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.464 min Scan# 3160
Delta R.T. -0.258 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

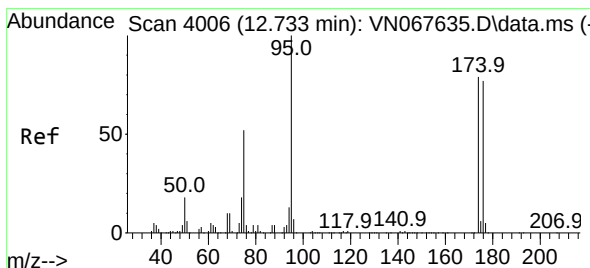
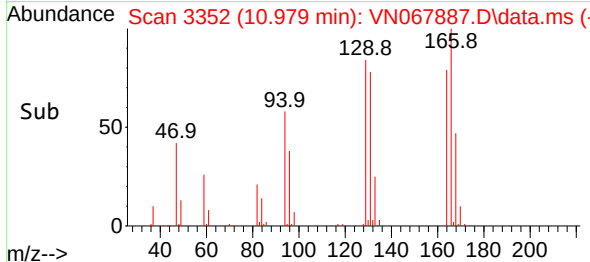
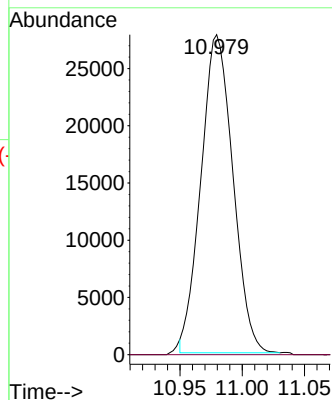
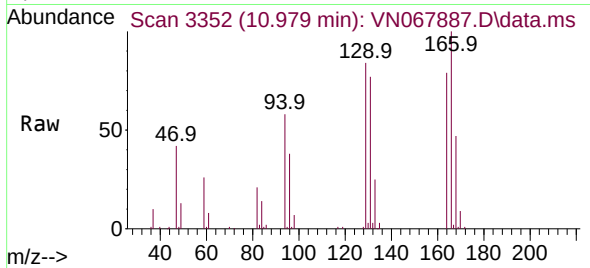




#60
Dibromochloromethane
Concen: 13.079 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

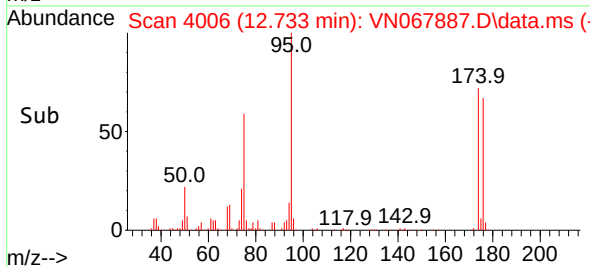
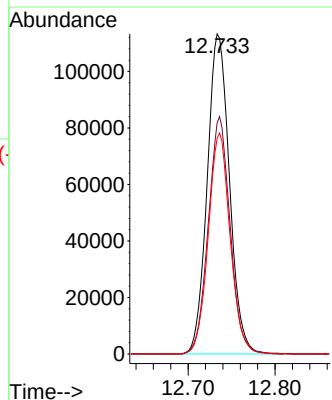
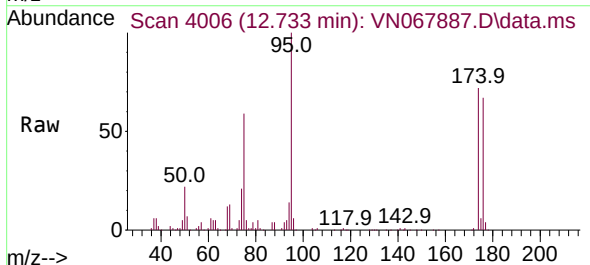
Instrument :
MSVOA_N
ClientSampleId :

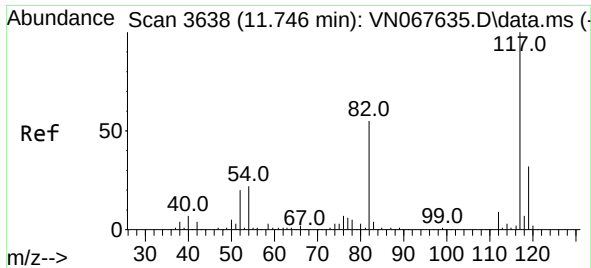
Tgt Ion:129 Resp: 49558
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 43.851 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion: 95 Resp: 201407
Ion Ratio Lower Upper
95 100
174 72.7 0.0 122.0
176 67.9 0.0 117.6

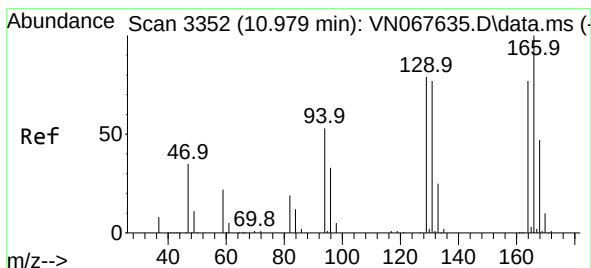
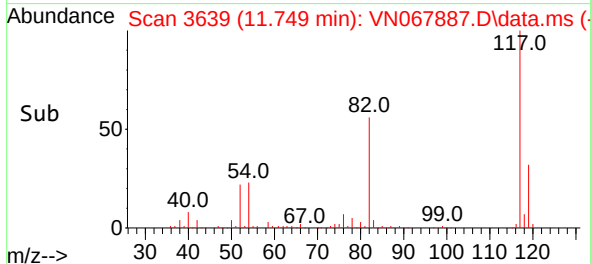
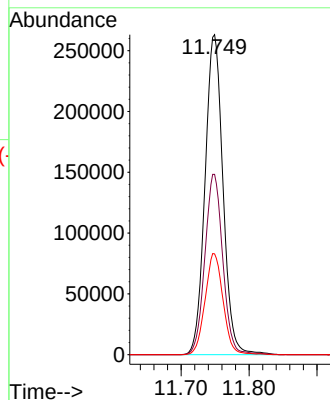
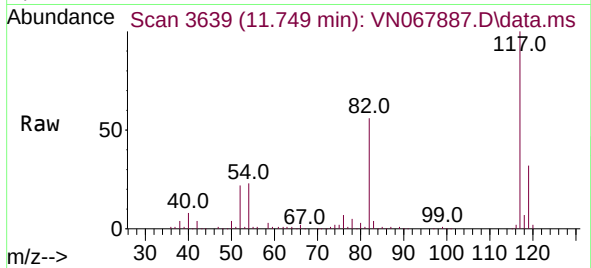




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

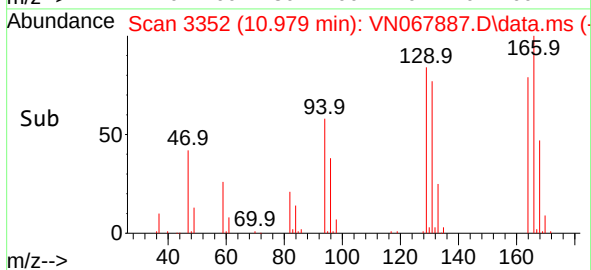
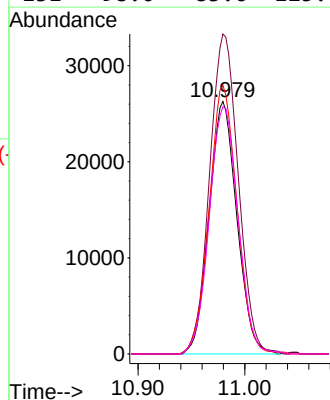
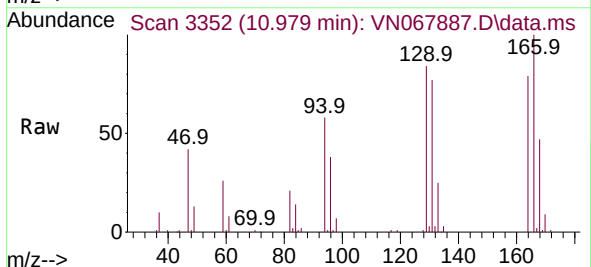
Instrument :
MSVOA_N
ClientSampleId :

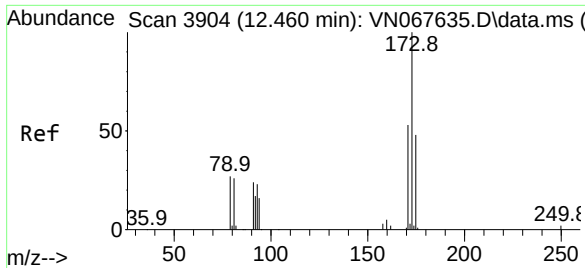
Tgt Ion:117 Resp: 483344
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 31.5 25.5 38.3



#64
Tetrachloroethene
Concen: 13.917 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion:164 Resp: 47482
Ion Ratio Lower Upper
164 100
166 126.7 102.1 153.1
129 106.4 86.9 130.3
131 98.0 83.6 125.4

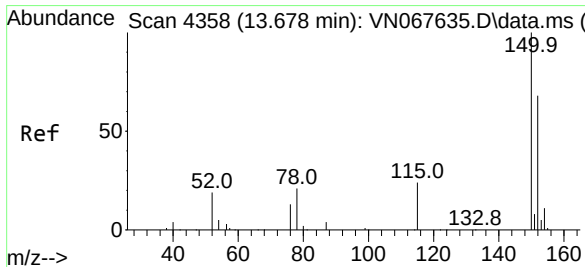
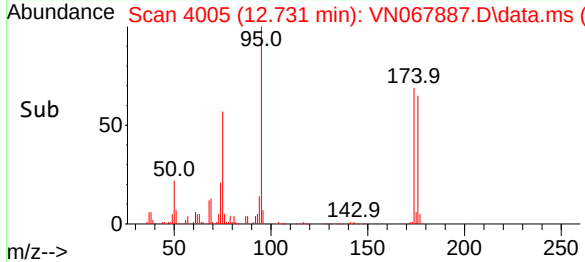
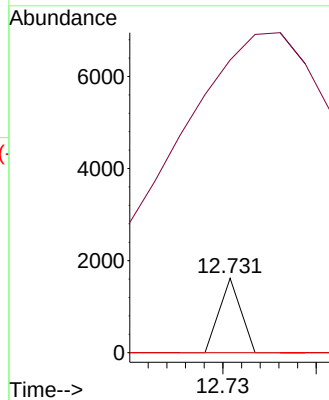
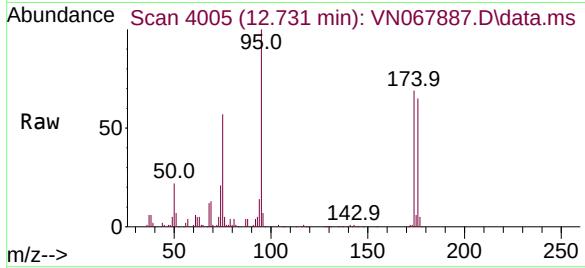




#71
Bromoform
Concen: 3.254 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

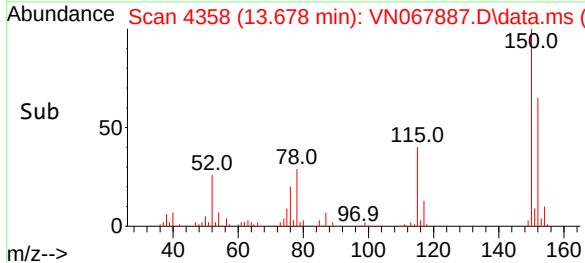
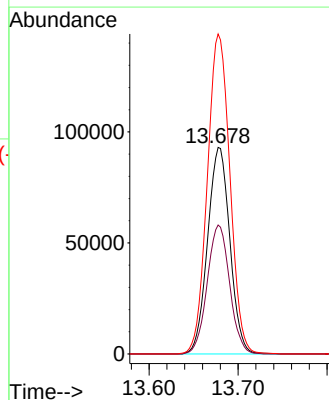
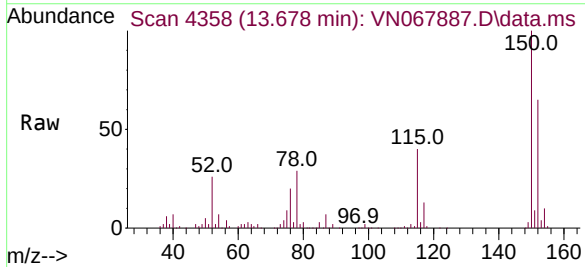
Instrument :
MSVOA_N
ClientSampled :

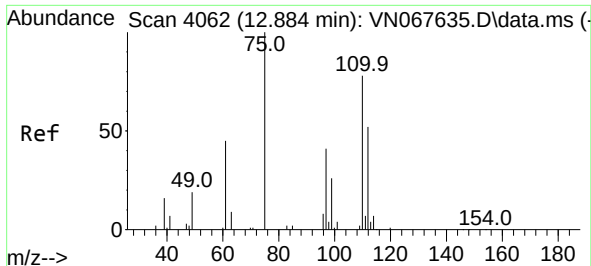
Tgt Ion:173 Resp: 260
Ion Ratio Lower Upper
173 100
175 4064.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Tgt Ion:152 Resp: 161574
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 157.1 0.0 351.8

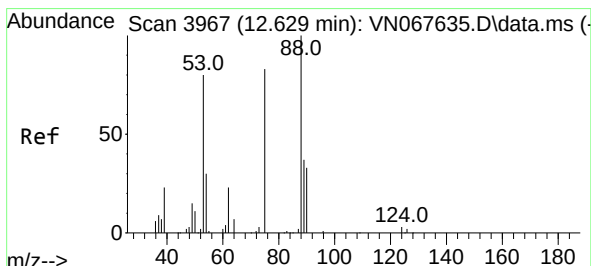
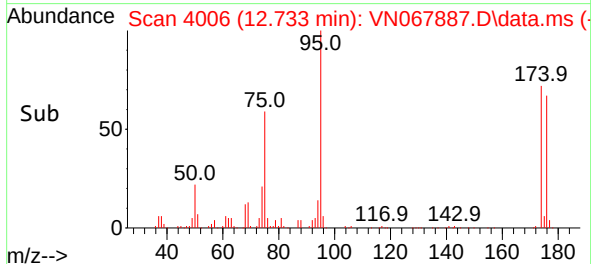
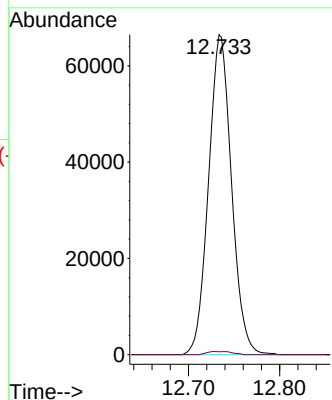
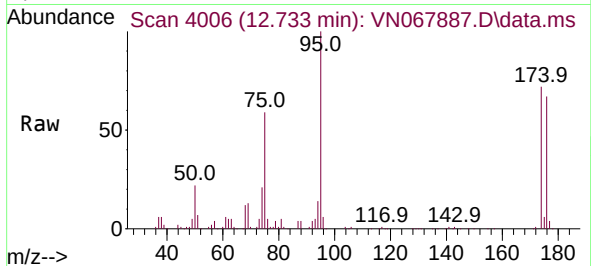




#76
1,2,3-Trichloropropane
Concen: 35.236 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

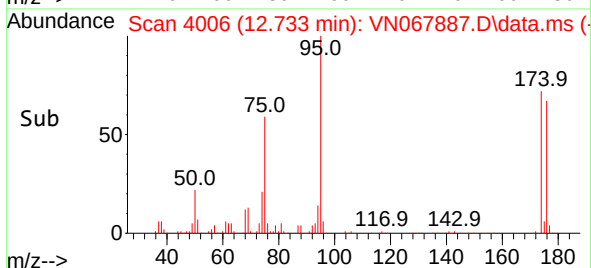
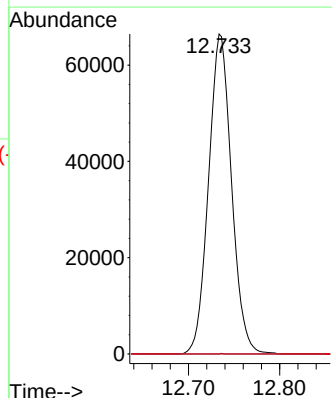
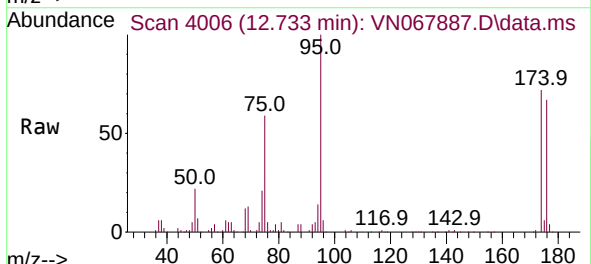
Instrument :
MSVOA_N
ClientSampleId :

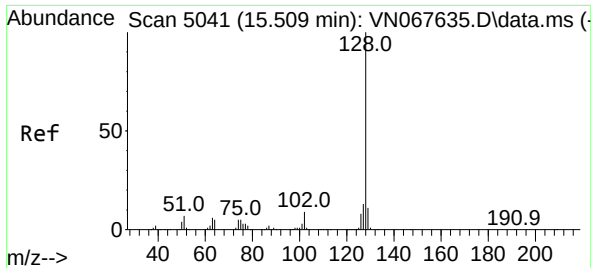
Tgt Ion: 75 Resp: 116266
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.605 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

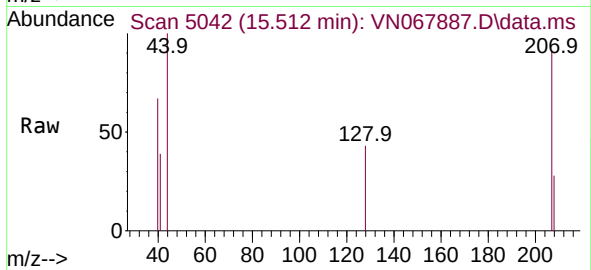
Tgt Ion: 75 Resp: 116266
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.034 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067887.D
Acq: 23 Jul 2021 18:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 181
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

