

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068768.D
 Acq On : 30 Sep 2021 17:30
 Operator : JC/MD
 Sample : M3915-01DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:56:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

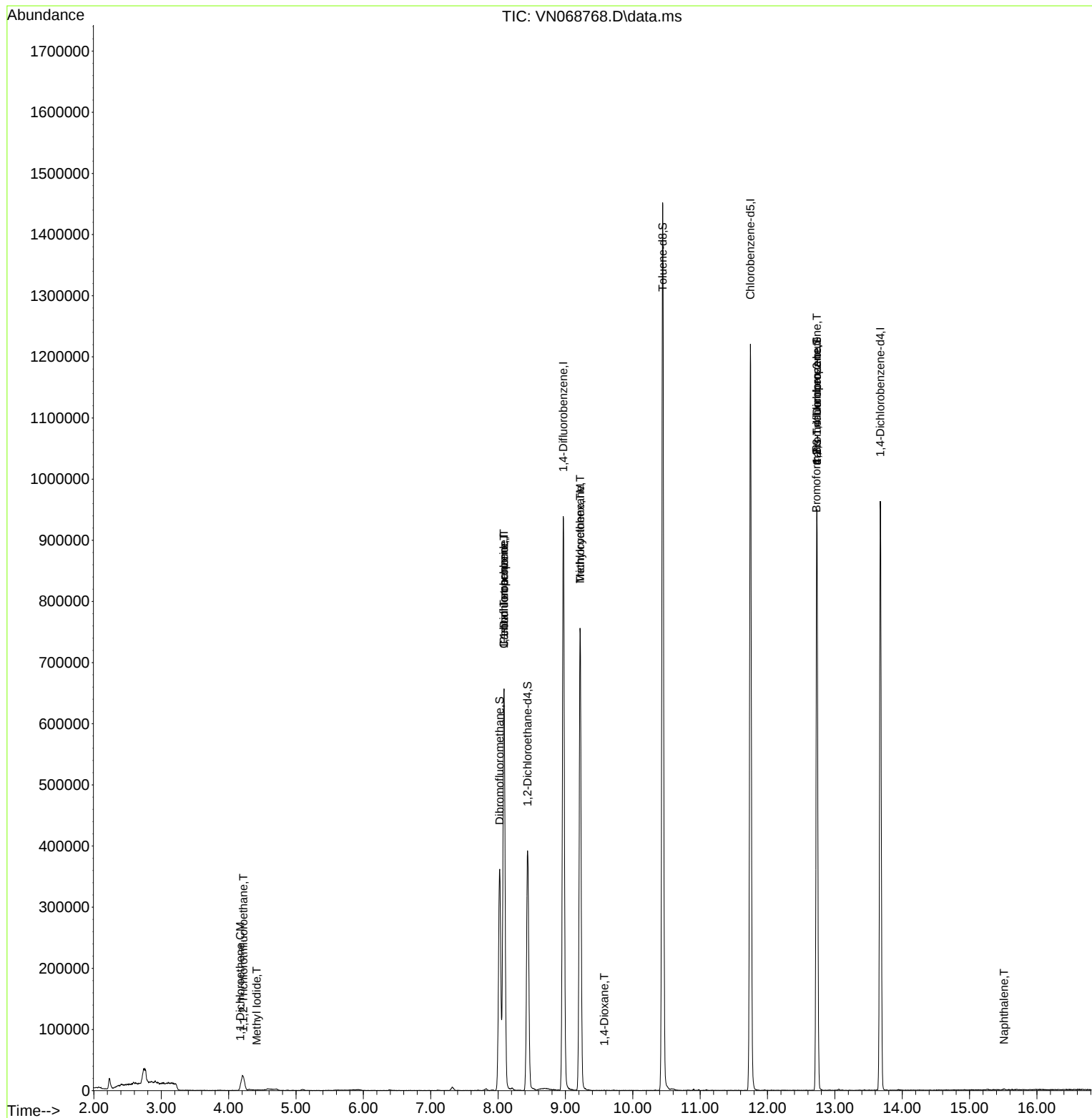
Internal Standards						
1) Pentafluorobenzene	8.088	168	477332	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	814389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	687177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	242575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	325629	48.961	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.920%		
35) Dibromofluoromethane	8.024	113	253482	50.095	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.200%		
50) Toluene-d8	10.443	98	997164	53.929	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.860%		
62) 4-Bromofluorobenzene	12.733	95	306397	47.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.380%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	826	Below Cal		98
5) Bromomethane	2.845	94	365	Below Cal	#	4
6) Chloroethane	3.006	64	440	Below Cal	#	68
7) Trichlorofluoromethane	3.376	101	177	Below Cal	#	18
9) 1,1,2-Trichlorotrifluo...	4.218	101	14436	2.758	ug/l #	75
10) Methyl Iodide	4.417	142	53	1.362	ug/l #	33
12) 1,1-Dichloroethene	4.173	96	2287	0.510	ug/l #	75
13) Acrolein	4.046	56	25	Below Cal	#	14
16) Acetone	4.299	43	1136	Below Cal	#	87
17) Carbon Disulfide	4.532	76	182	Below Cal	#	74
31) Cyclohexane	8.088	56	12443	Below Cal	#	29
36) 1,1-Dichloropropene	8.085	75	42108	5.498	ug/l #	49
38) Carbon Tetrachloride	8.085	117	52909	5.815	ug/l #	17
39) Methylcyclohexane	9.217	83	3321	0.374	ug/l #	1
44) Trichloroethene	9.217	130	250888	40.301	ug/l	85
49) 1,4-Dioxane	9.577	88	186	2.051	ug/l #	80
71) Bromoform	12.728	173	1325	0.310	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	179007	33.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	179007	96.462	ug/l #	6
95) Naphthalene	15.512	128	2017	1.618	ug/l #	82

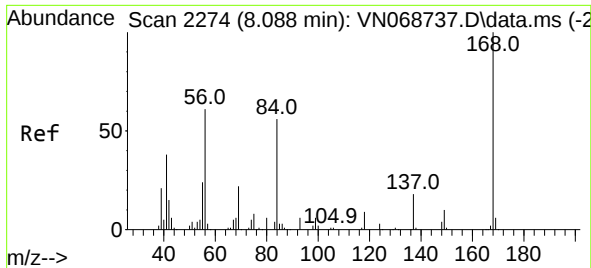
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Oct 01 01:56:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 29 23:31:35 2021
Response via : Initial Calibration

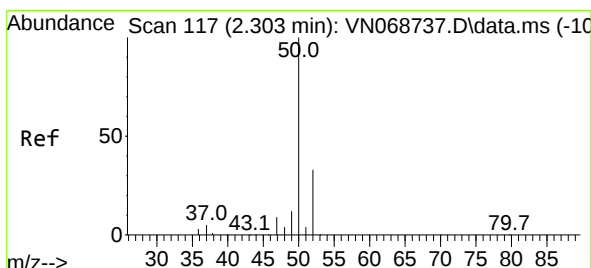
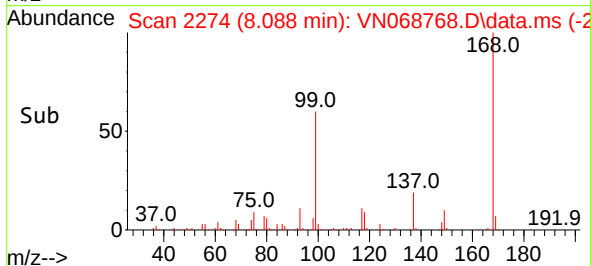
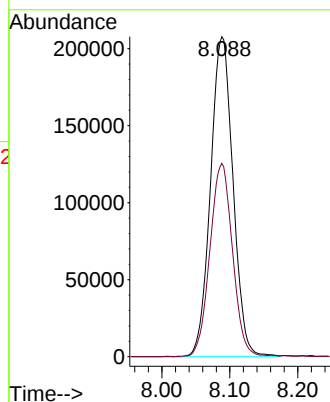
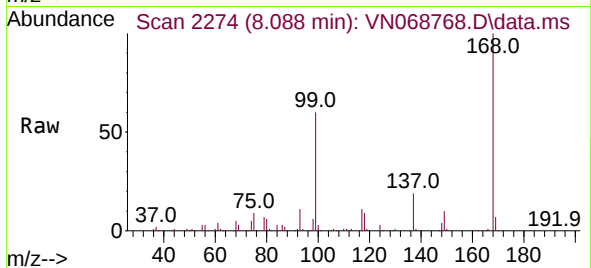




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

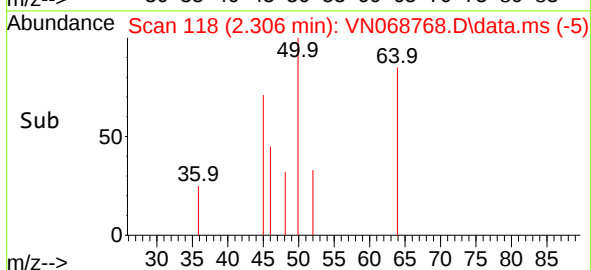
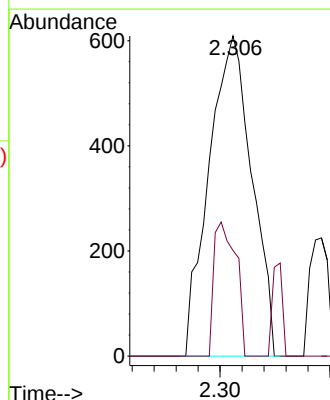
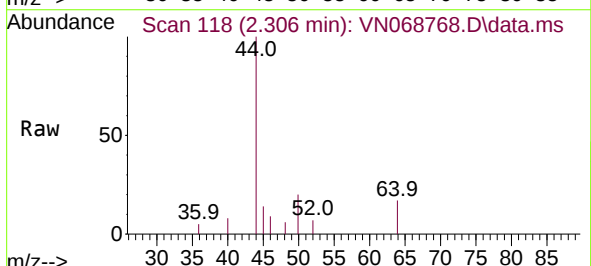
Instrument :
MSVOA_N
ClientSampled :

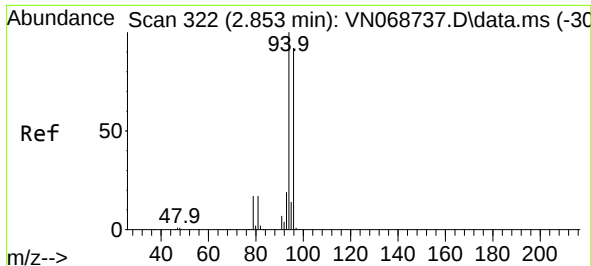
Tgt Ion:168 Resp: 477332
Ion Ratio Lower Upper
168 100
99 60.3 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 50 Resp: 826
Ion Ratio Lower Upper
50 100
52 33.0 25.6 38.4

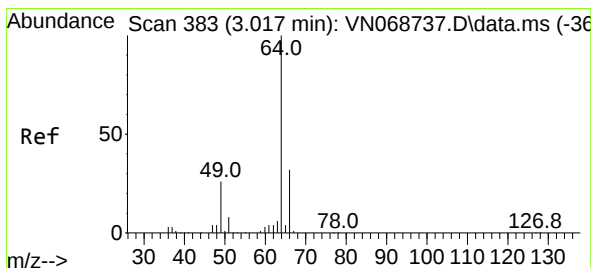
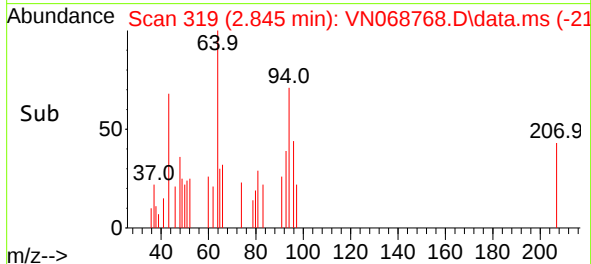
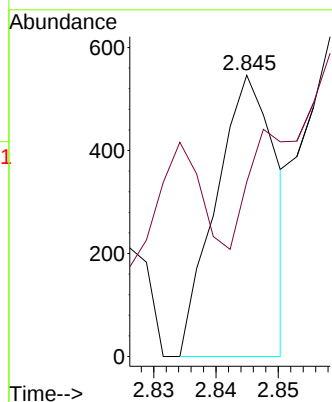
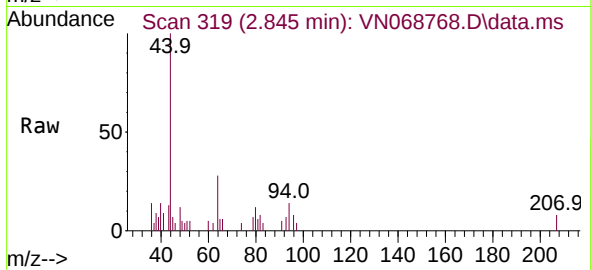




#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. -0.008 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

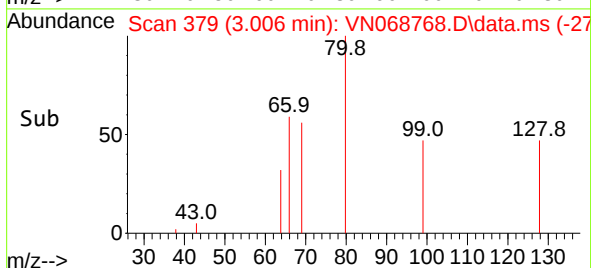
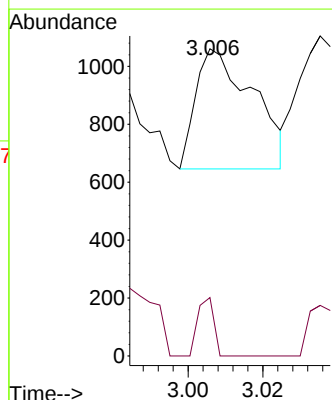
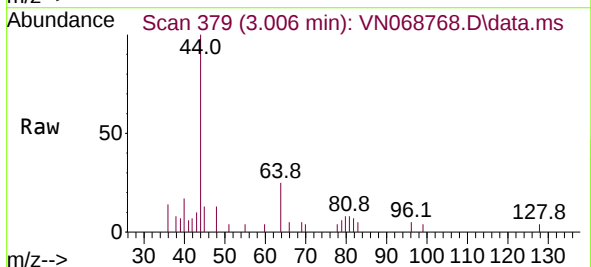
Instrument :
MSVOA_N
ClientSampled :

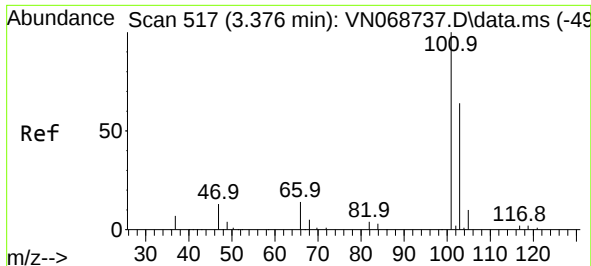
Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. -0.011 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 64 Resp: 440
Ion Ratio Lower Upper
64 100
66 48.7 24.7 37.1#

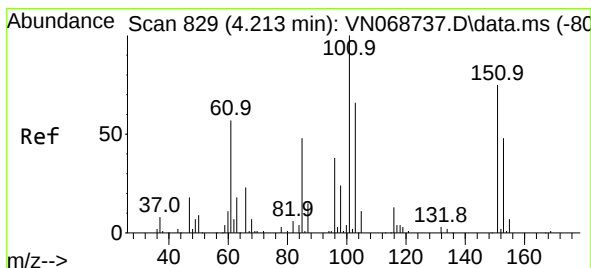
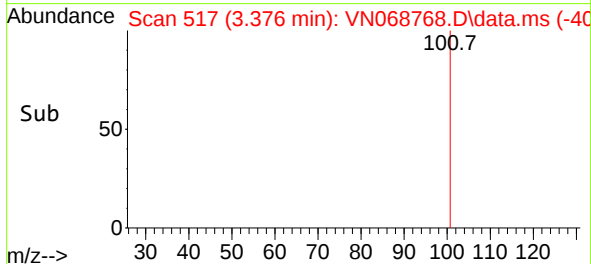
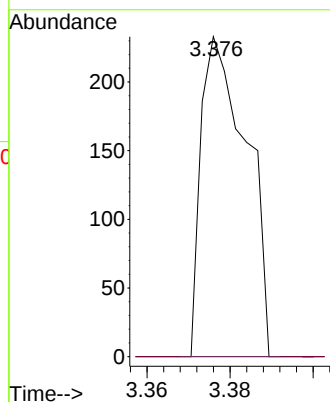
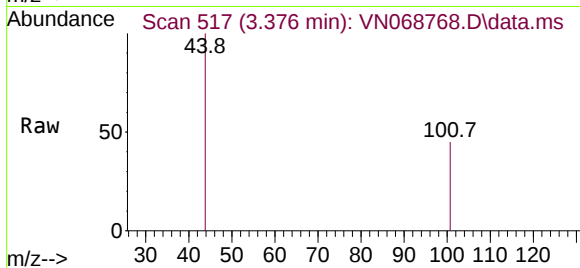




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.376 min Scan# 517
Delta R.T. -0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

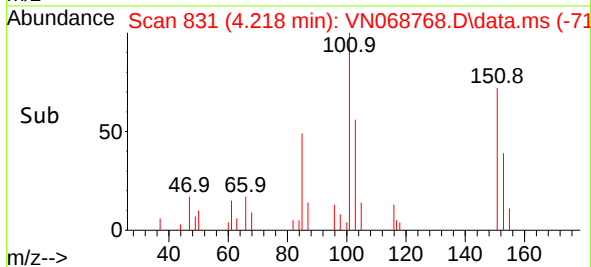
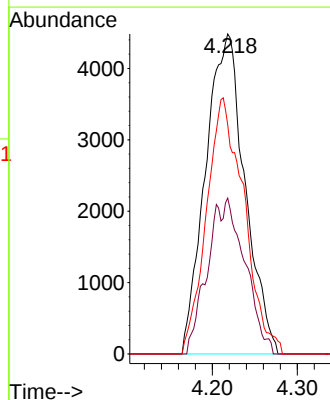
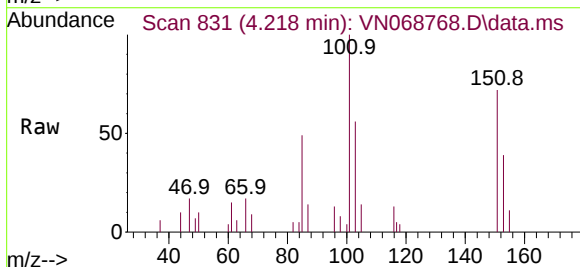
Instrument :
MSVOA_N
ClientSampled :

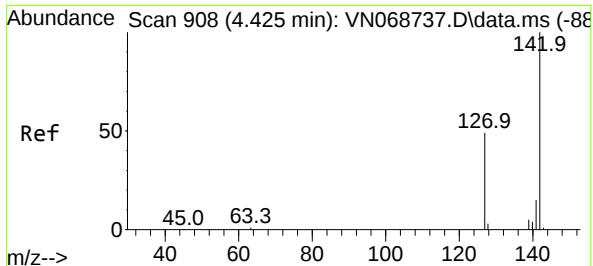
Tgt Ion:101 Resp: 177
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.758 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.005 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion:101 Resp: 14436
Ion Ratio Lower Upper
101 100
85 18.7 39.6 59.4#
151 76.3 54.1 81.1

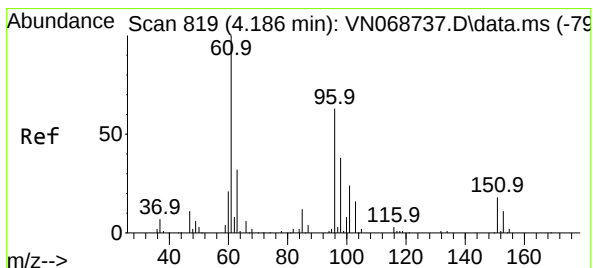
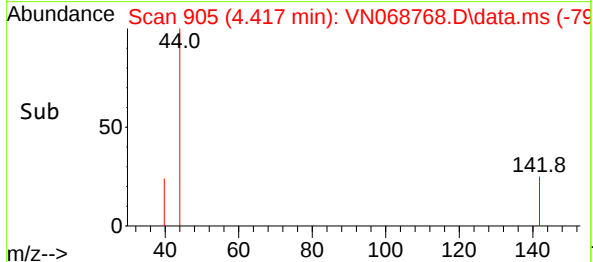
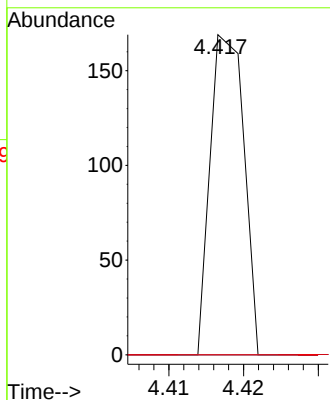
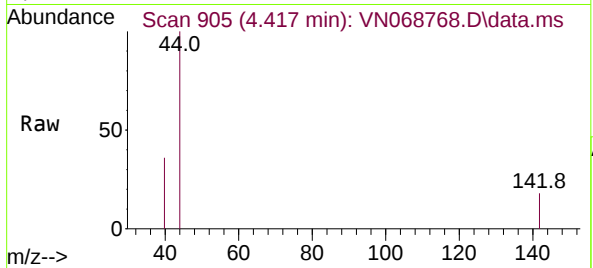




#10
Methyl Iodide
Concen: 1.362 ug/l
RT: 4.417 min Scan# 905
Delta R.T. -0.008 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

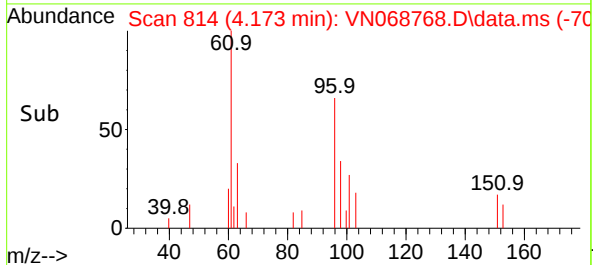
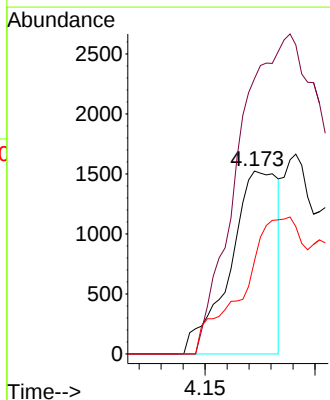
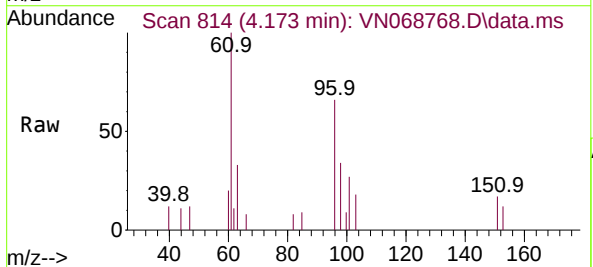
Instrument :
MSVOA_N
ClientSampled :

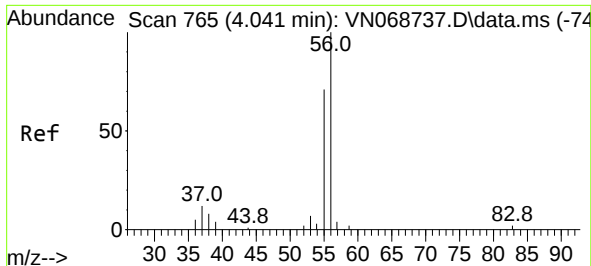
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 0.510 ug/l
RT: 4.173 min Scan# 814
Delta R.T. -0.013 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 96 Resp: 2287
Ion Ratio Lower Upper
96 100
61 150.6 152.6 229.0#
98 51.0 50.9 76.3

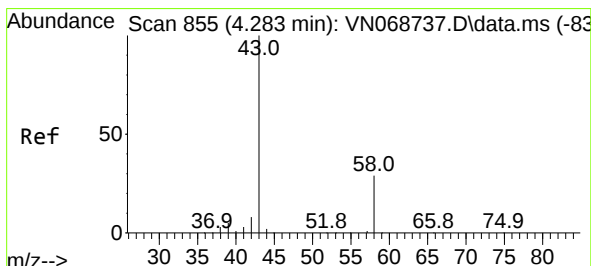
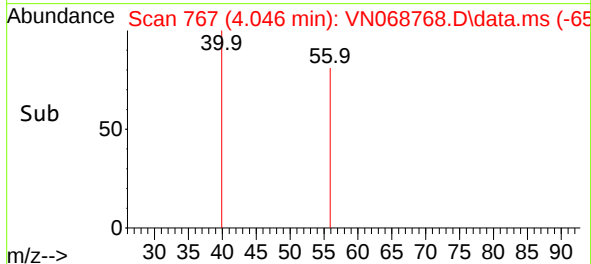
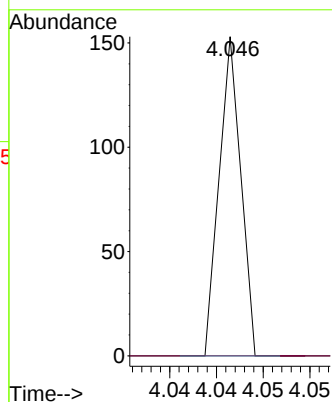
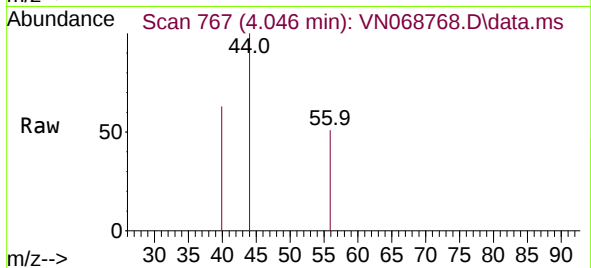




#13
Acrolein
Concen: Below Cal
RT: 4.046 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

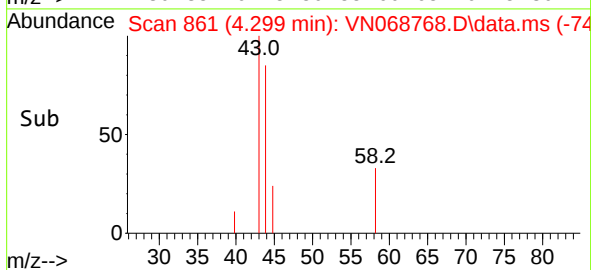
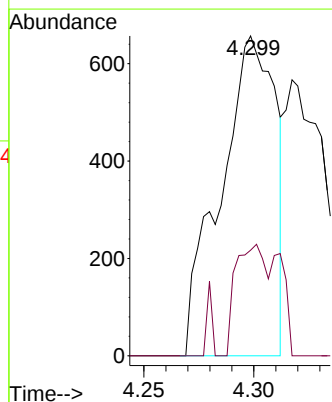
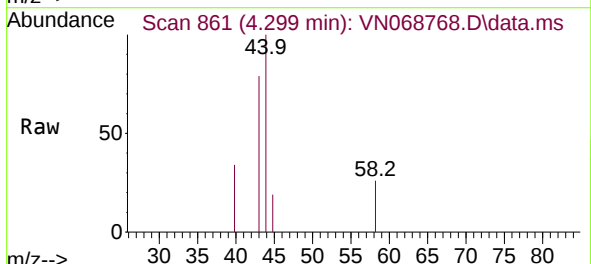
Instrument :
MSVOA_N
ClientSampled :

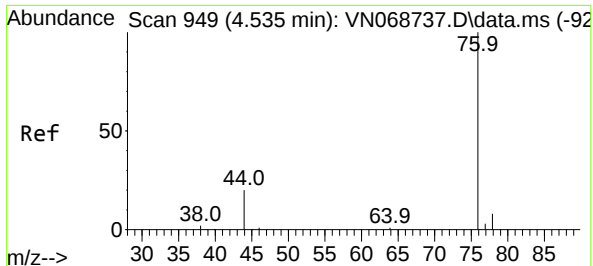
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 33.0 21.2 31.8#

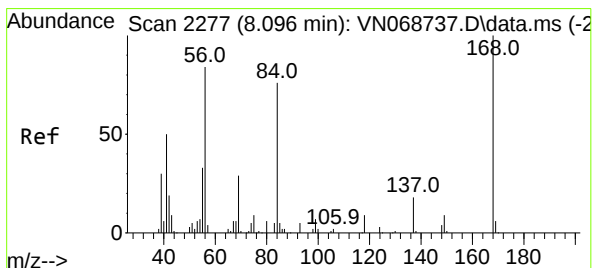
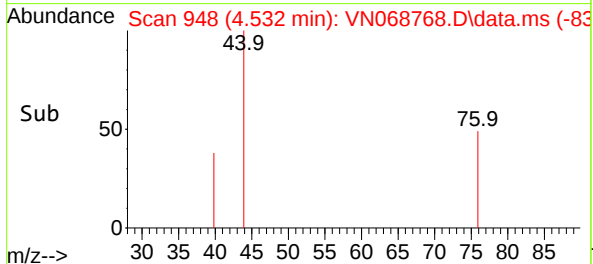
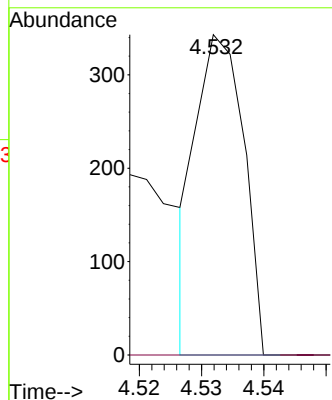
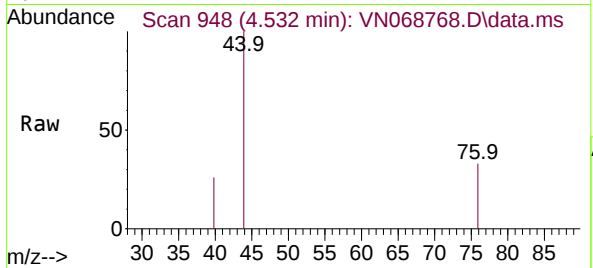




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.532 min Scan# 948
Delta R.T. -0.003 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

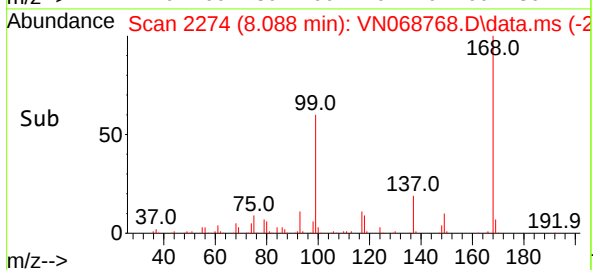
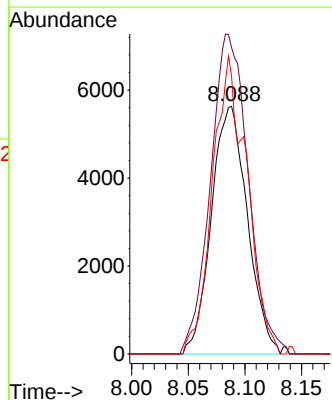
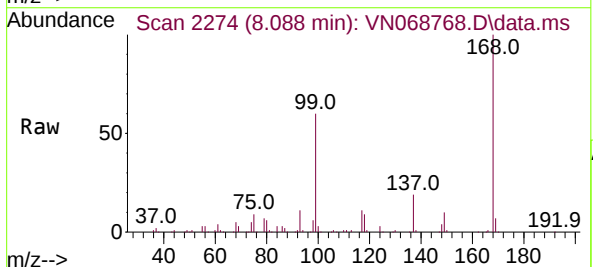
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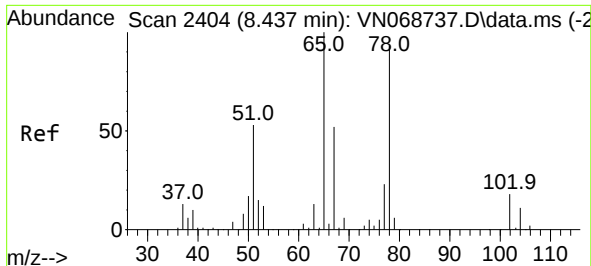
Tgt Ion: 76 Resp: 182
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 56 Resp: 12443
Ion Ratio Lower Upper
56 100
69 123.7 27.3 40.9#
84 112.2 64.9 97.3#



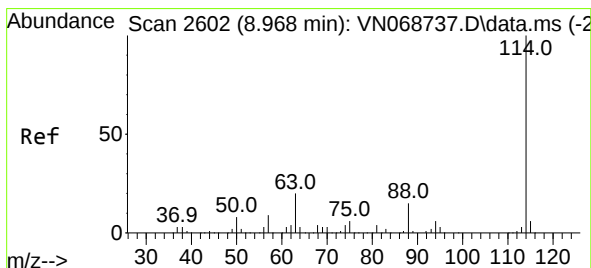
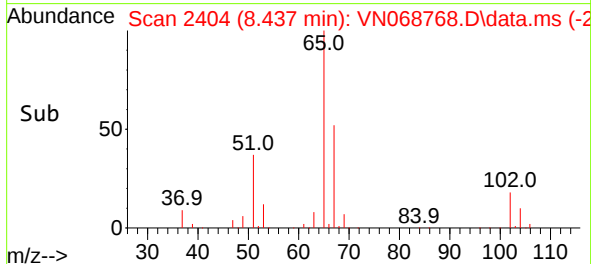
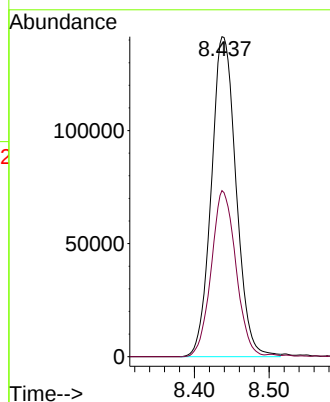
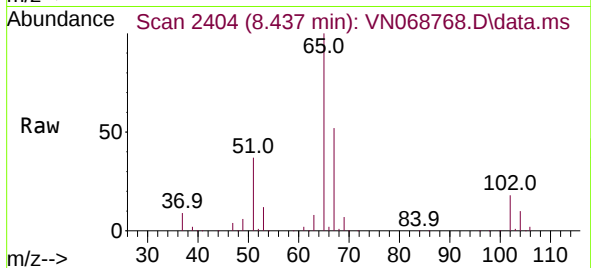


#33

1,2-Dichloroethane-d4
Concen: 48.961 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Instrument :
MSVOA_N
ClientSampled :

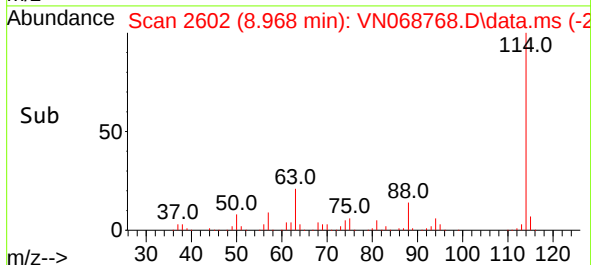
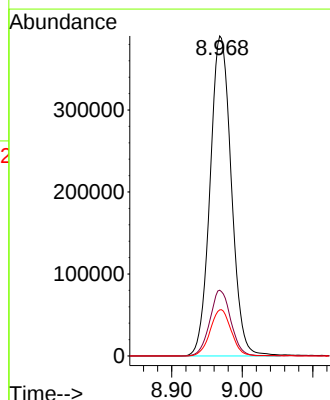
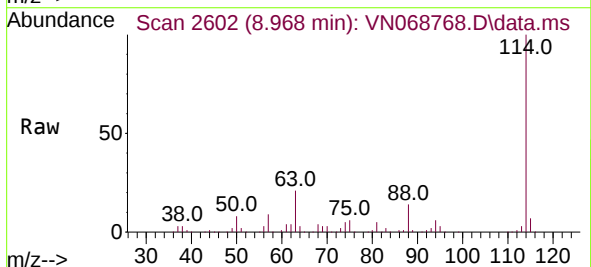
Tgt Ion: 65 Resp: 325629
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

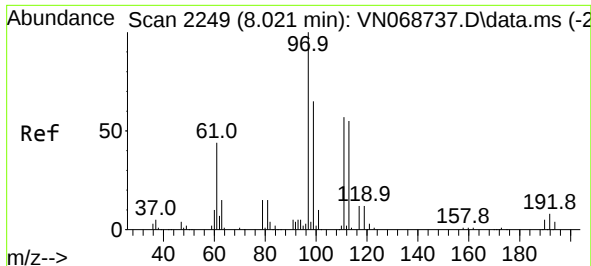


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 114 Resp: 814389
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 14.4 0.0 36.6

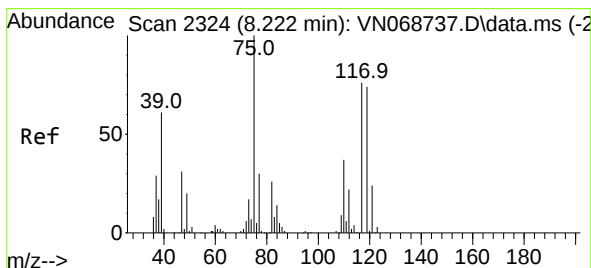
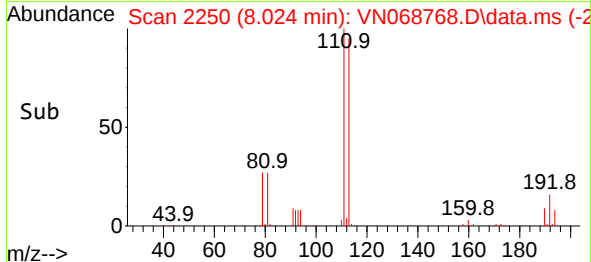
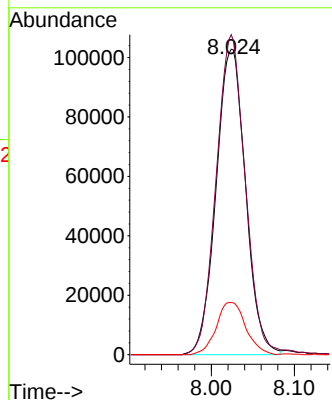
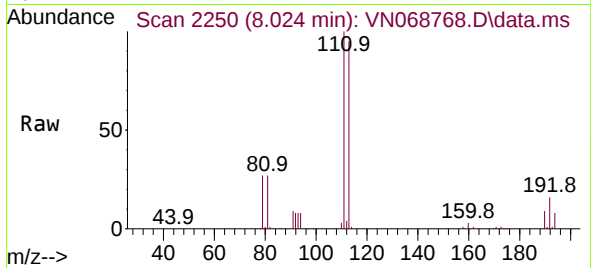




#35
Dibromofluoromethane
Concen: 50.095 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

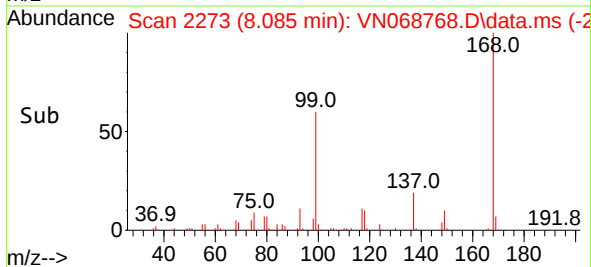
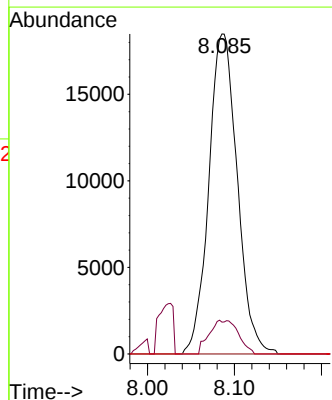
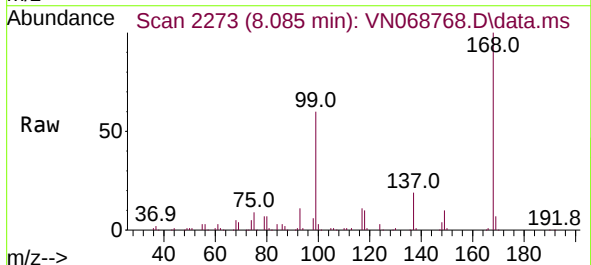
Instrument :
MSVOA_N
ClientSampled :

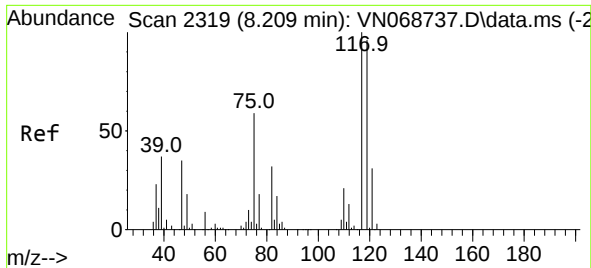
Tgt Ion:113 Resp: 253482
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.8
192 17.1 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.498 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

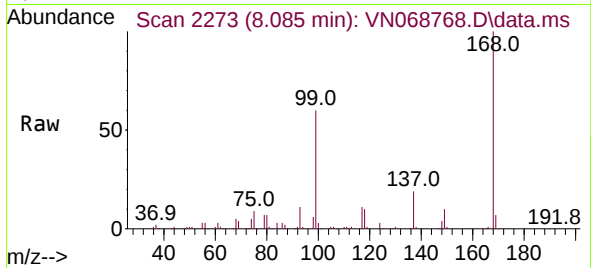
Tgt Ion: 75 Resp: 42108
Ion Ratio Lower Upper
75 100
110 5.8 15.7 47.0#
77 0.0 24.6 37.0#



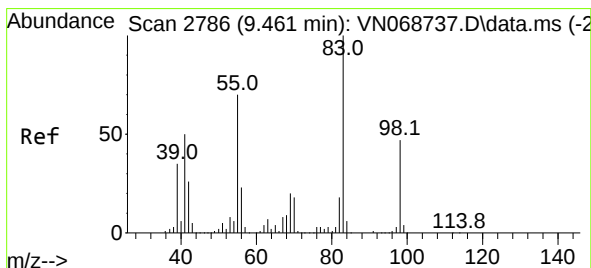
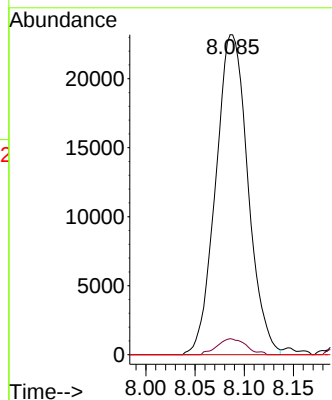
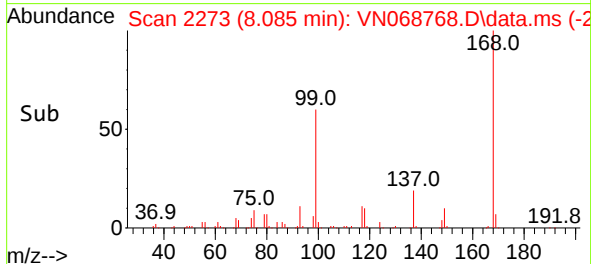


#38
Carbon Tetrachloride
Concen: 5.815 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

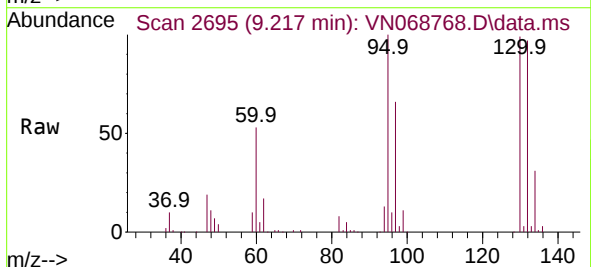
Instrument :
MSVOA_N
ClientSampled :



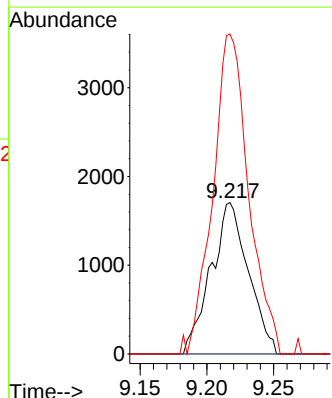
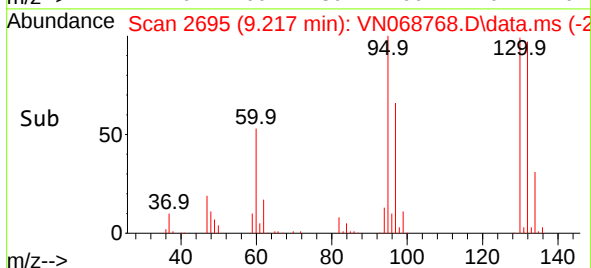
Tgt Ion:117 Resp: 52909
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

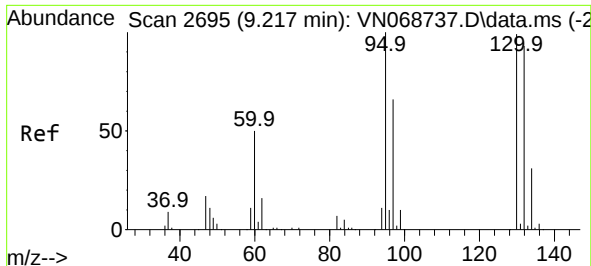


#39
Methylcyclohexane
Concen: 0.374 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30



Tgt Ion: 83 Resp: 3321
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 211.4 35.3 52.9#

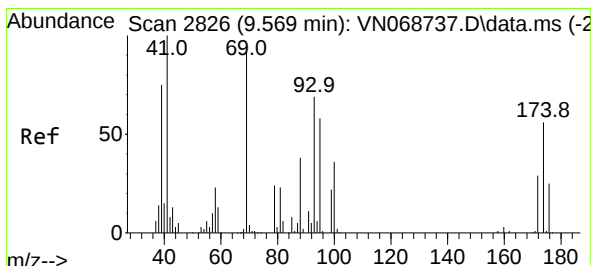
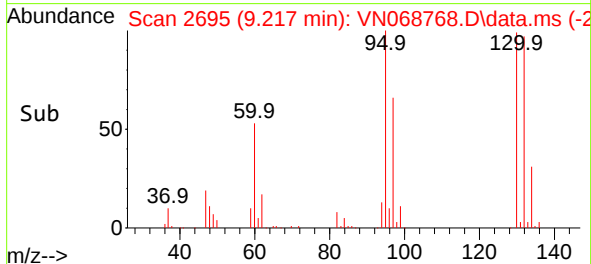
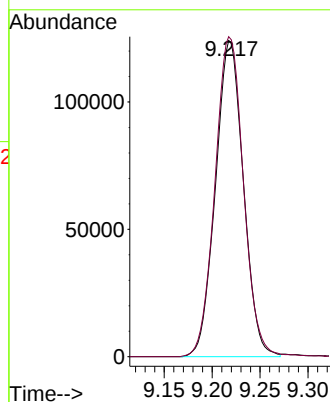
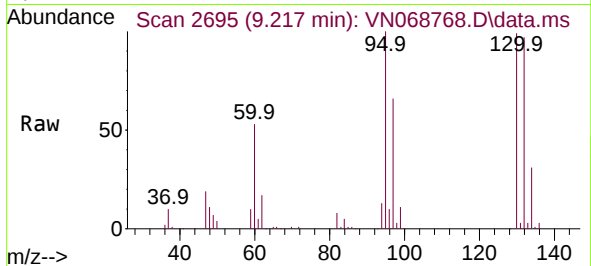




#44
Trichloroethene
Concen: 40.301 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

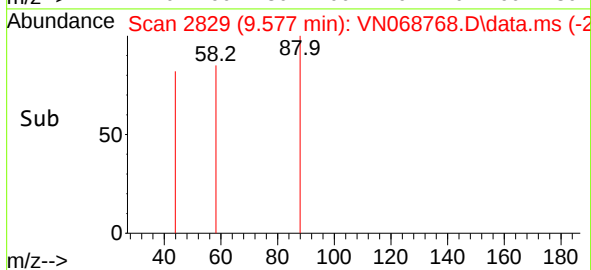
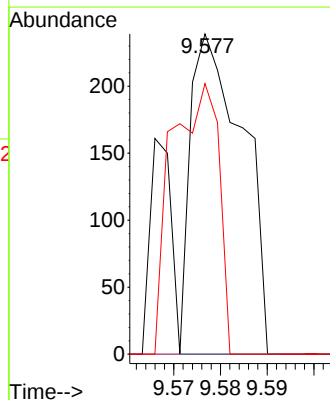
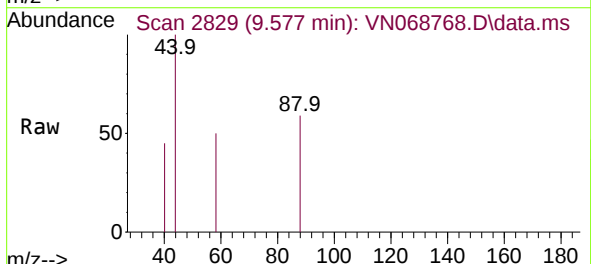
Instrument :
MSVOA_N
ClientSampled :

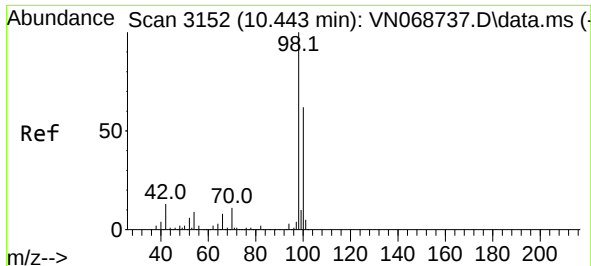
Tgt Ion:130 Resp: 250888
Ion Ratio Lower Upper
130 100
95 101.2 0.0 234.4



#49
1,4-Dioxane
Concen: 2.051 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.008 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 88 Resp: 186
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 75.8 60.4 90.6

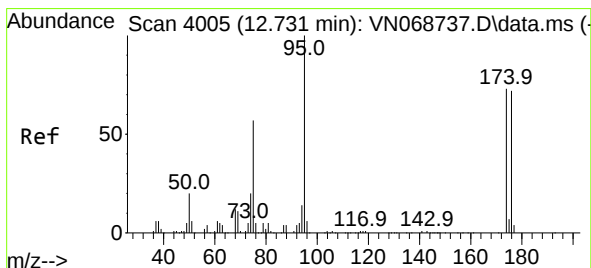
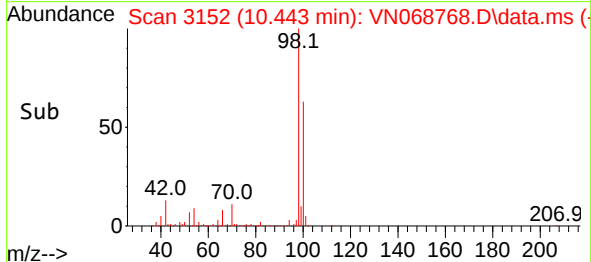
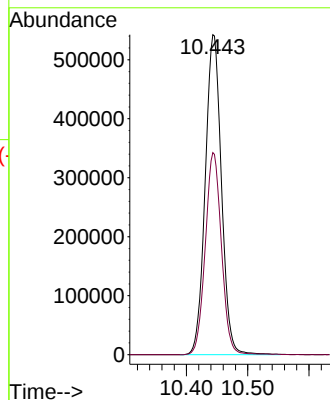
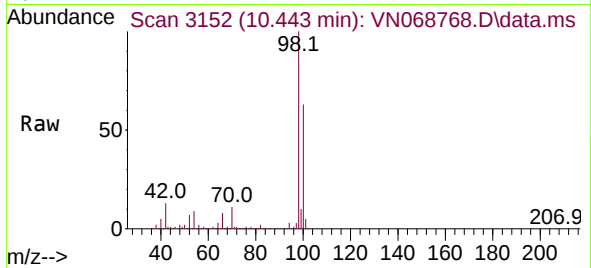




#50
Toluene-d8
Concen: 53.929 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

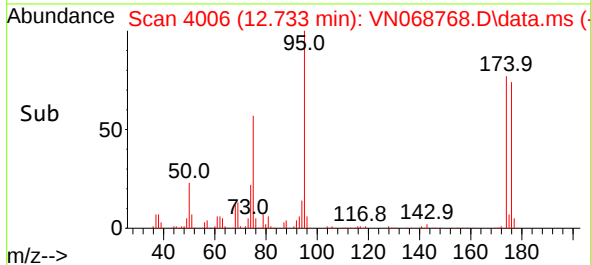
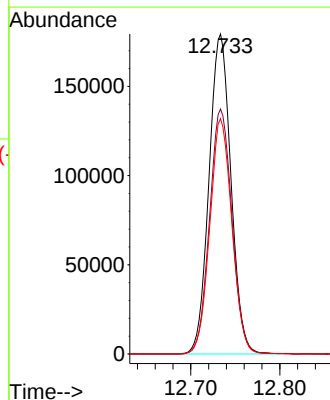
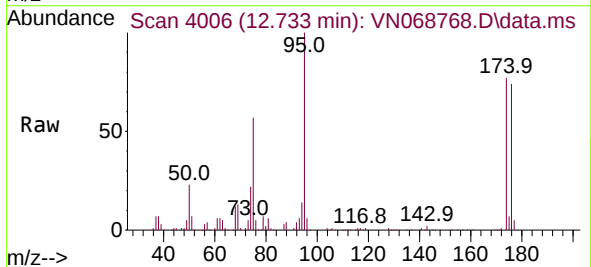
Instrument :
MSVOA_N
ClientSampleId :

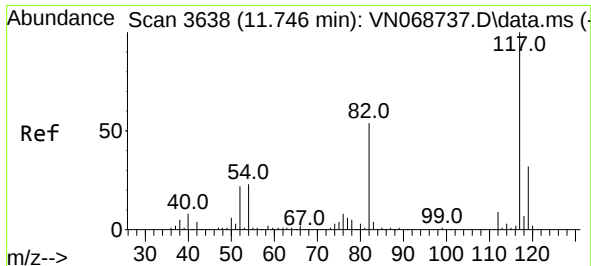
Tgt Ion: 98 Resp: 997164
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.689 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 95 Resp: 306397
Ion Ratio Lower Upper
95 100
174 78.4 0.0 122.0
176 74.1 0.0 117.6

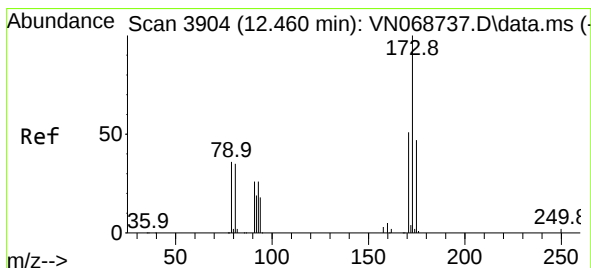
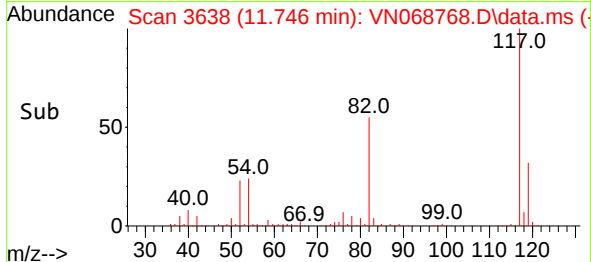
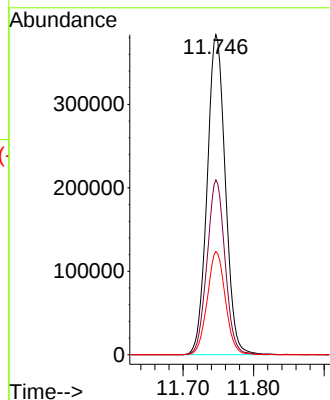
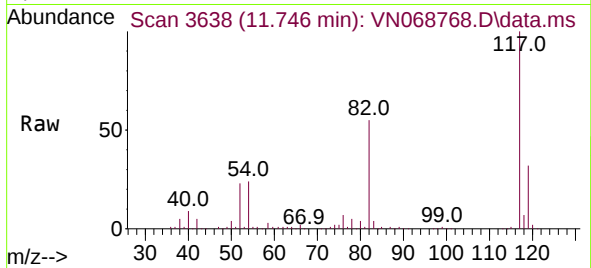




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

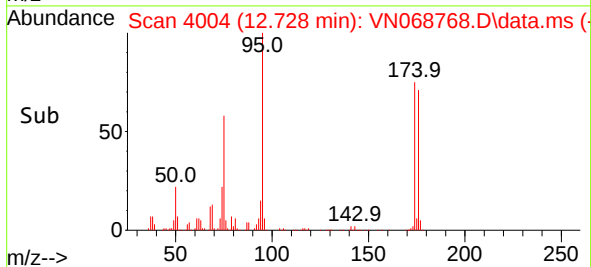
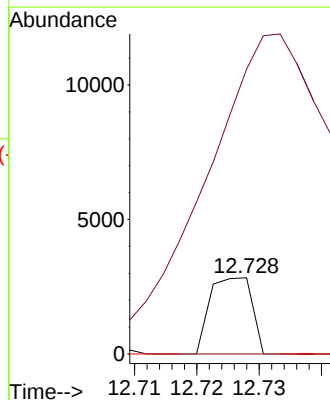
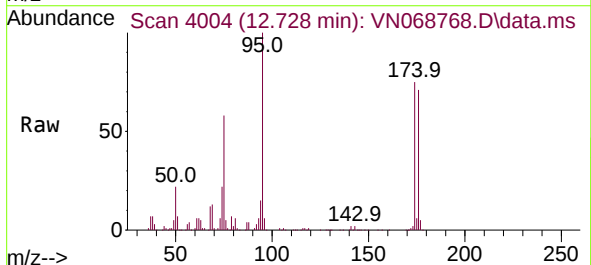
Instrument :
MSVOA_N
ClientSampleId :

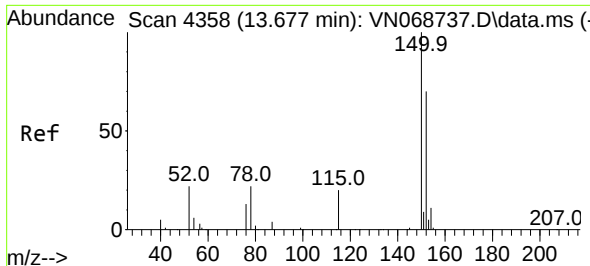
Tgt Ion:117 Resp: 687177
Ion Ratio Lower Upper
117 100
82 54.7 53.1 79.7
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.310 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion:173 Resp: 1325
Ion Ratio Lower Upper
173 100
175 1376.2 23.9 71.8#
254 0.0 0.0 0.0

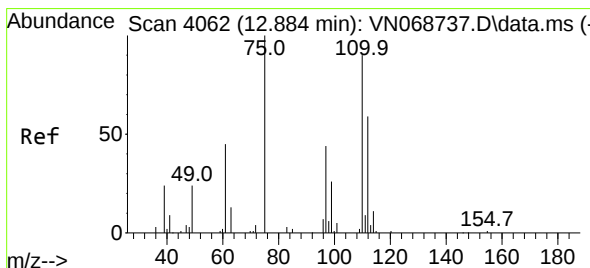
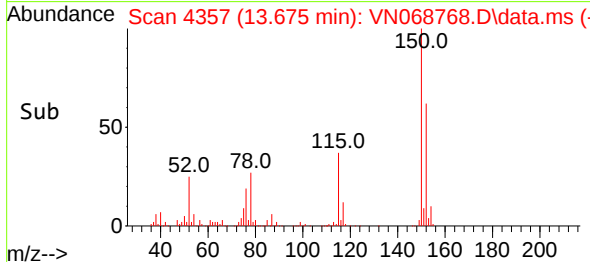
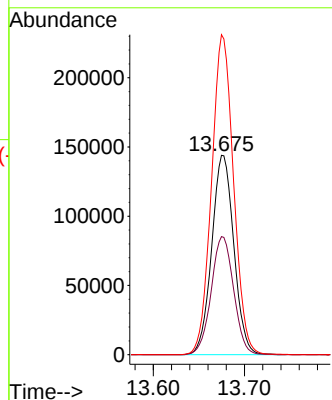
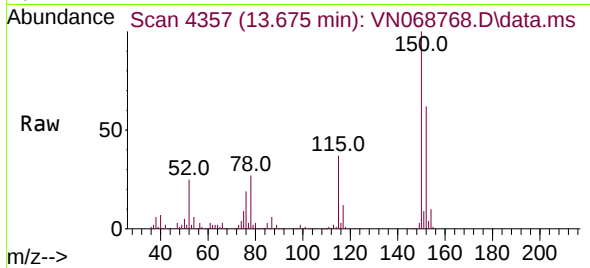




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 4357
 Delta R.T. -0.002 min
 Lab File: VN068768.D
 Acq: 30 Sep 2021 17:30

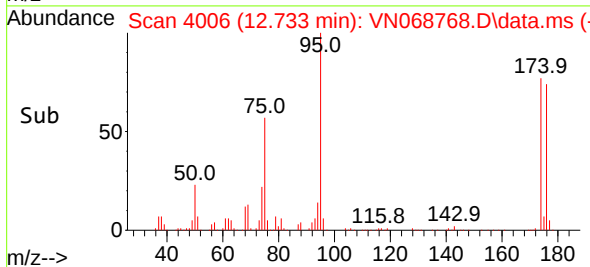
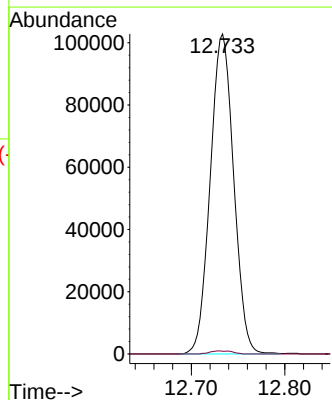
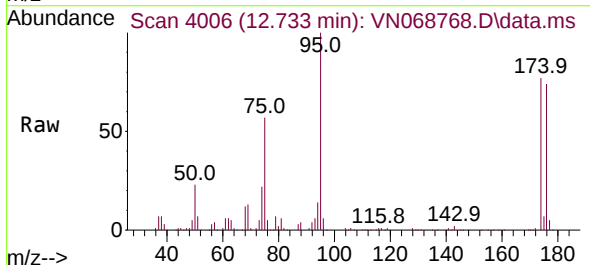
Instrument :
 MSVOA_N
 ClientSampled :

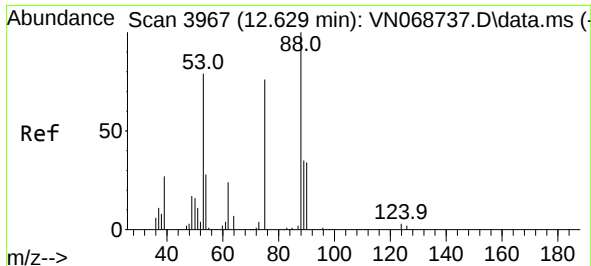
Tgt Ion:152 Resp: 242575
 Ion Ratio Lower Upper
 152 100
 115 60.1 36.1 108.5
 150 159.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.183 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068768.D
 Acq: 30 Sep 2021 17:30

Tgt Ion: 75 Resp: 179007
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

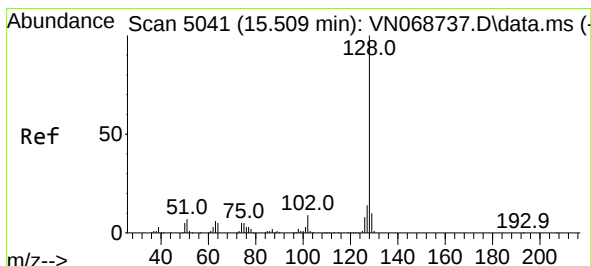
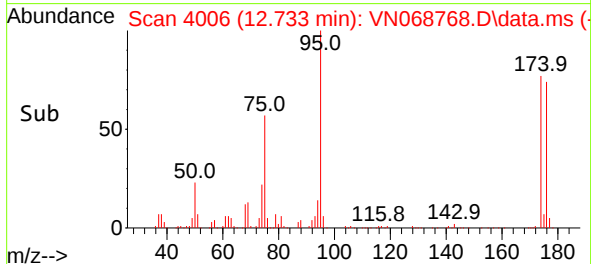
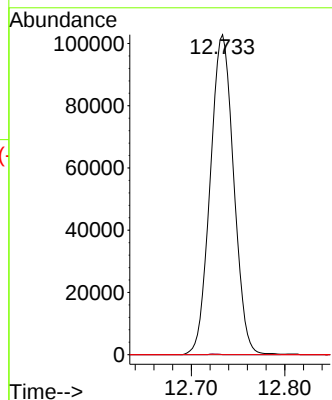
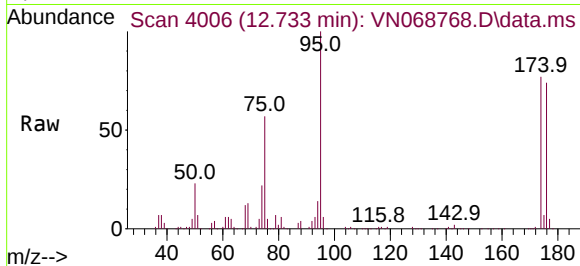




#81
trans-1,4-Dichloro-2-butene
Concen: 96.462 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 179007
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.618 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068768.D
Acq: 30 Sep 2021 17:30

Tgt Ion: 128 Resp: 2017
Ion Ratio Lower Upper
128 100
127 8.5 10.6 15.8#
129 1.2 8.6 12.8#

