

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068589.D
 Acq On : 21 Sep 2021 18:07
 Operator : JC/MD
 Sample : M3781-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 18:24:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

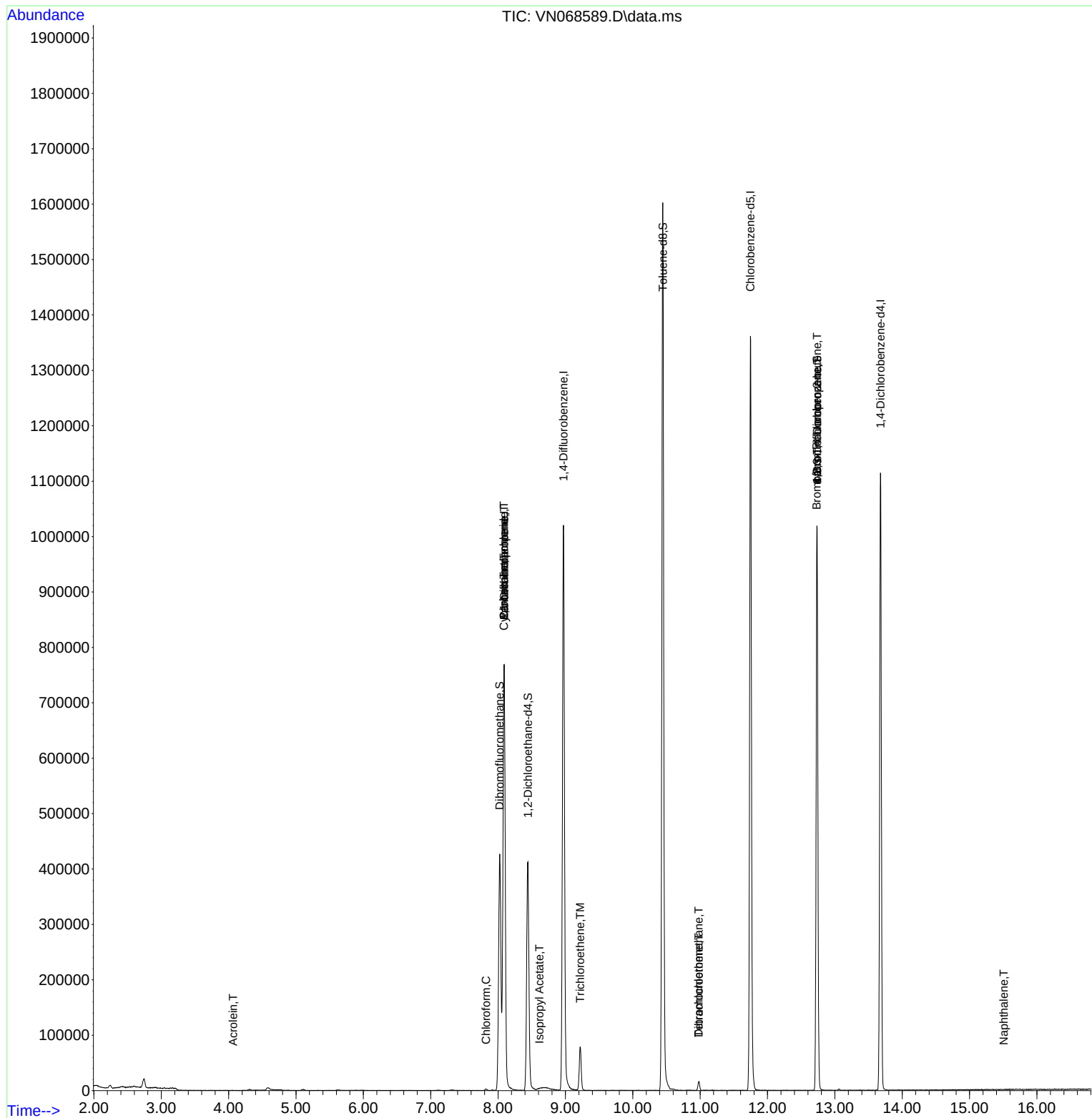
Internal Standards						
1) Pentafluorobenzene	8.091	168	647709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	987206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	877828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	334050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	349228	58.778	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 117.560%			
35) Dibromofluoromethane	8.024	113	309866	52.042	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.080%			
50) Toluene-d8	10.446	98	1214562	49.755	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.736	95	349826	44.002	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.000%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	982	Below Cal		95
5) Bromomethane	2.818	94	84	Below Cal	#	3
11) Tert butyl alcohol	5.331	59	51	Below Cal	#	84
13) Acrolein	4.065	56	104	0.236 ug/l	#	14
16) Acetone	4.288	43	615	Below Cal		96
18) Methyl Acetate	4.851	43	239	Below Cal	#	45
20) Methylene Chloride	5.095	84	708	Below Cal	#	85
30) Chloroform	7.820	83	2915	0.260 ug/l		88
31) Cyclohexane	8.086	56	10809	1.201 ug/l	#	17
36) 1,1-Dichloropropene	8.091	75	42825	5.203 ug/l	#	47
38) Carbon Tetrachloride	8.088	117	62074	6.296 ug/l	#	16
43) Isopropyl Acetate	8.614	43	2475	0.224 ug/l	#	51
44) Trichloroethene	9.220	130	30733	3.984 ug/l		98
60) Dibromochloromethane	10.979	129	3818	2.222 ug/l	#	11
64) Tetrachloroethene	10.979	164	3661	0.471 ug/l		91
71) Bromoform	12.731	173	1425	2.728 ug/l	#	29
76) 1,2,3-Trichloropropane	12.736	75	175446	37.927 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.736	75	175446	116.396 ug/l	#	13
95) Naphthalene	15.507	128	341	3.520 ug/l	#	69

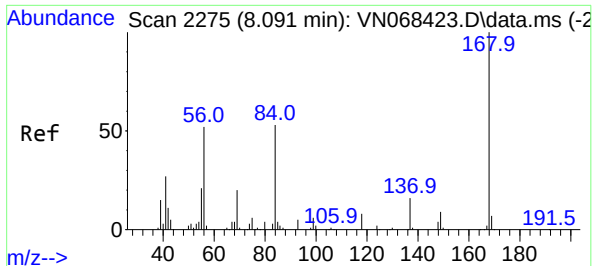
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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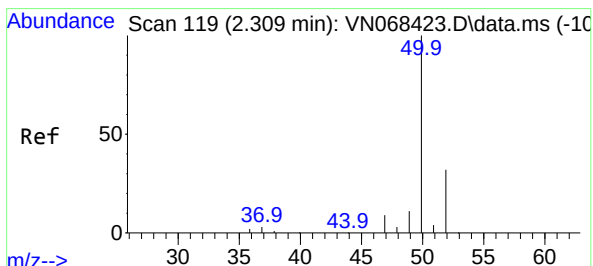
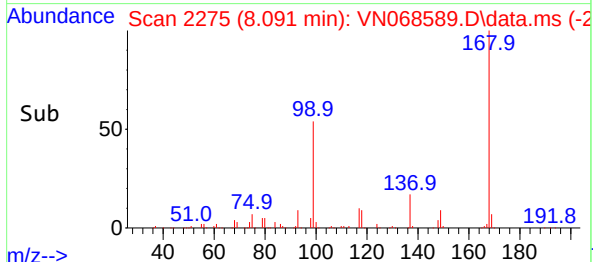
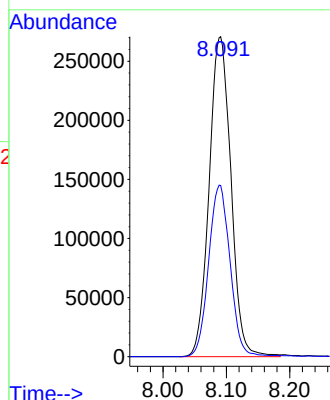
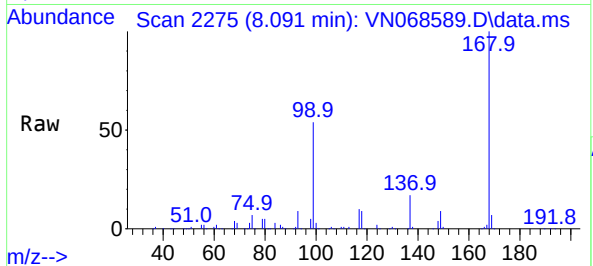




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

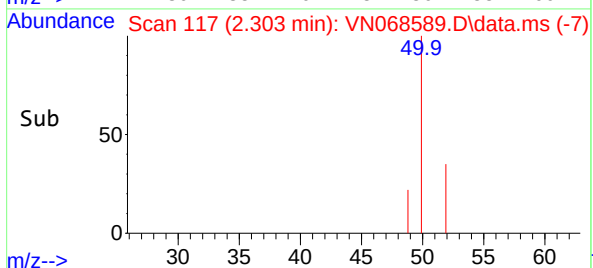
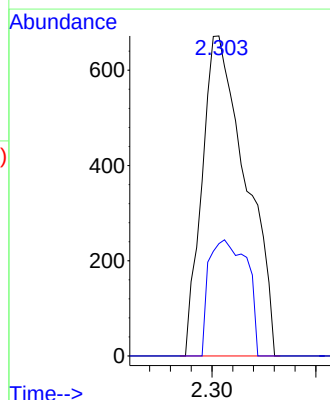
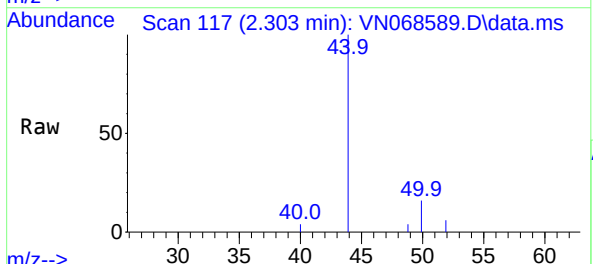
Instrument :
MSVOA_N
ClientSampled :

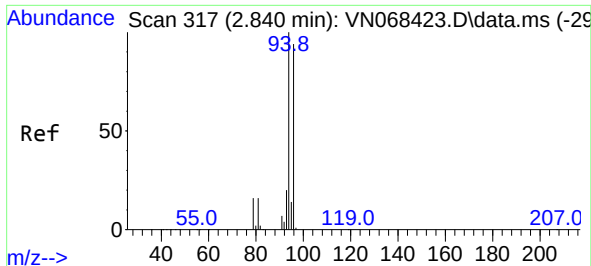
Tgt Ion:168 Resp: 647709
Ion Ratio Lower Upper
168 100
99 53.5 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 50 Resp: 982
Ion Ratio Lower Upper
50 100
52 35.1 25.8 38.6

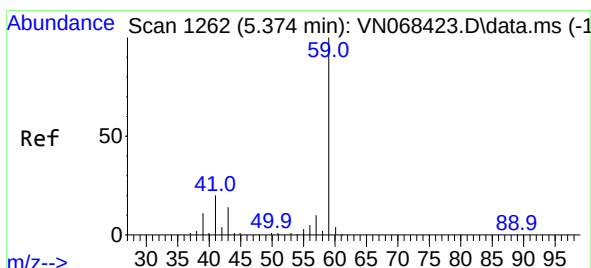
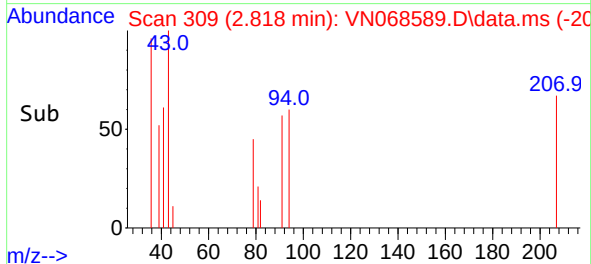
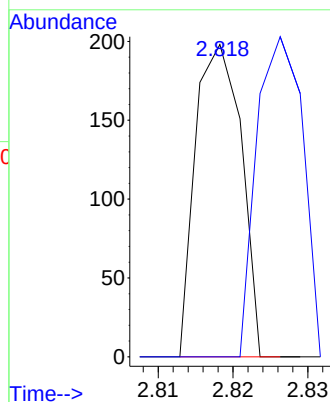
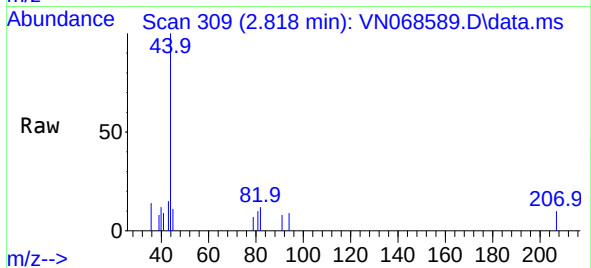




#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.022 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

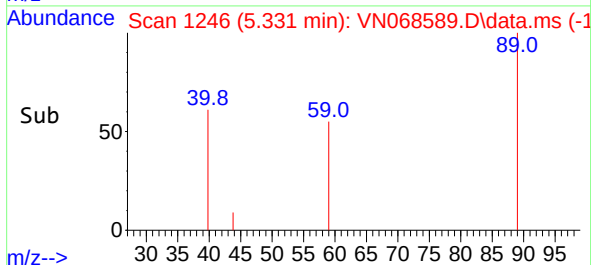
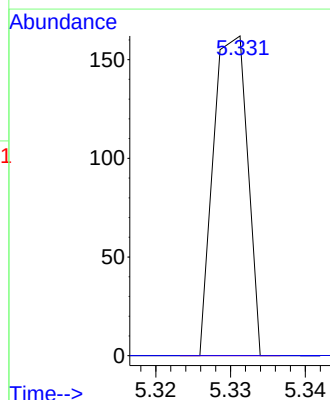
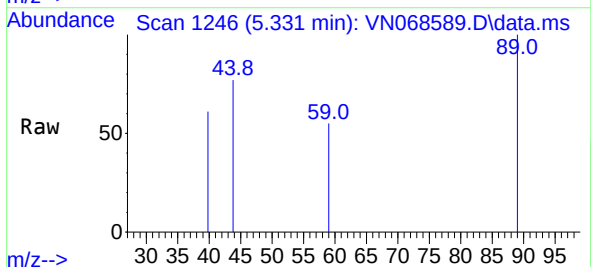
Instrument :
MSVOA_N
ClientSampled :

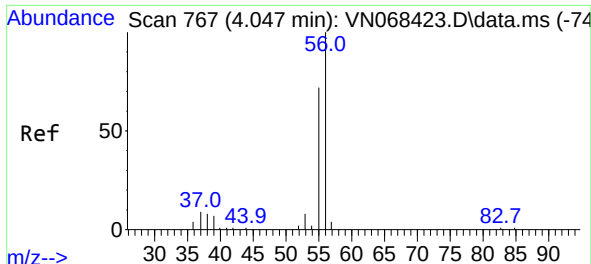
Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.331 min Scan# 1246
Delta R.T. -0.043 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

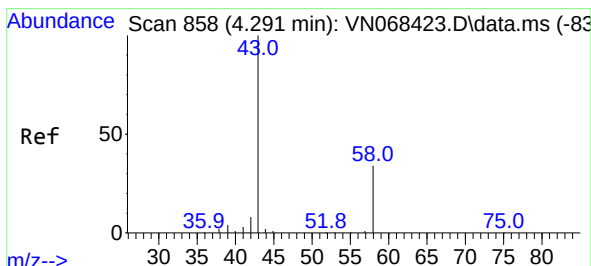
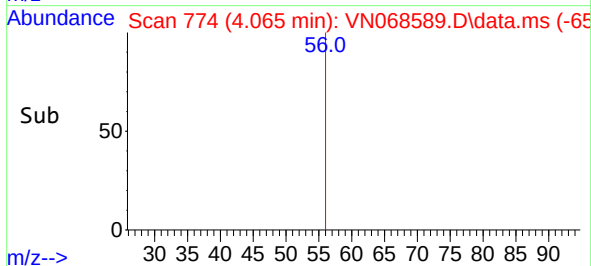
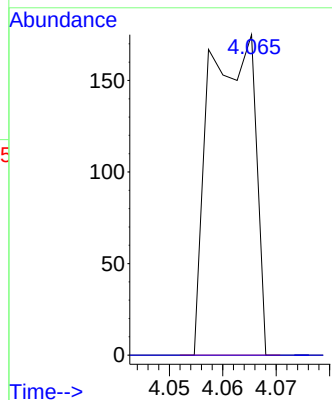
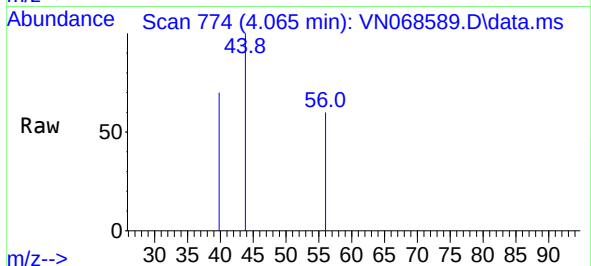




#13
Acrolein
Concen: 0.236 ug/l
RT: 4.065 min Scan# 774
Delta R.T. 0.018 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

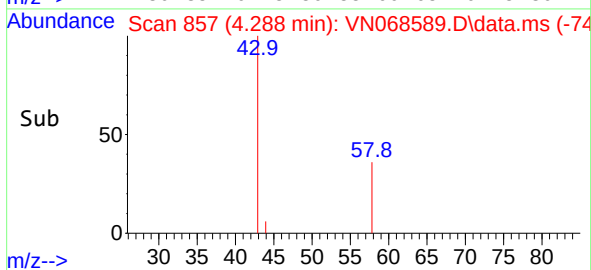
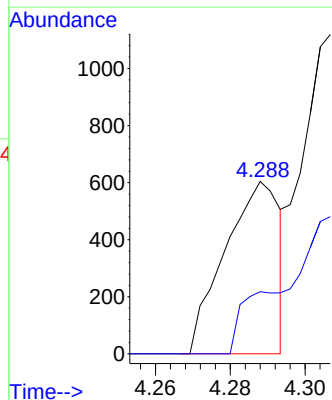
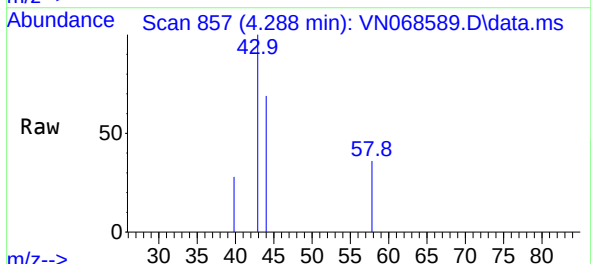
Instrument :
MSVOA_N
ClientSampled :

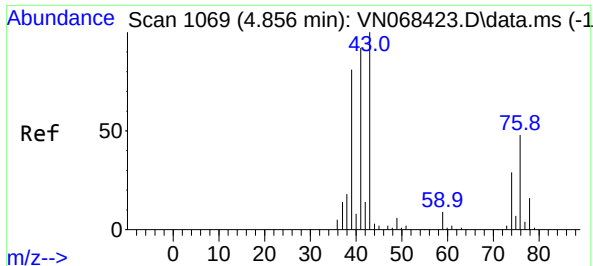
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: Below Cal
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.6



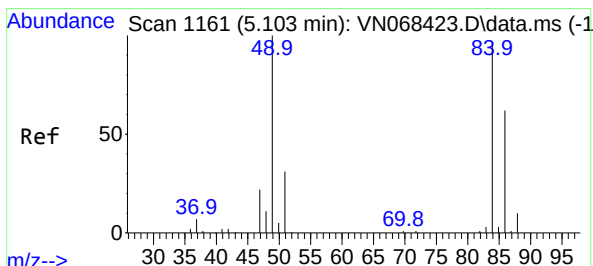
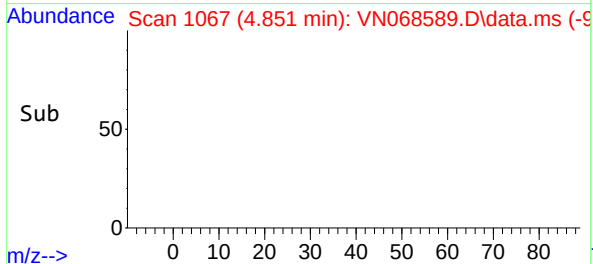
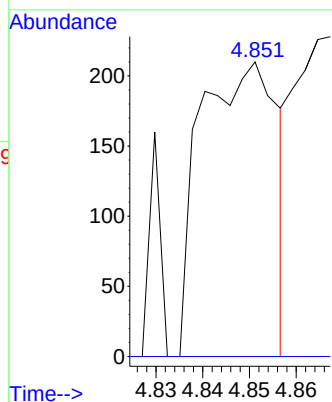
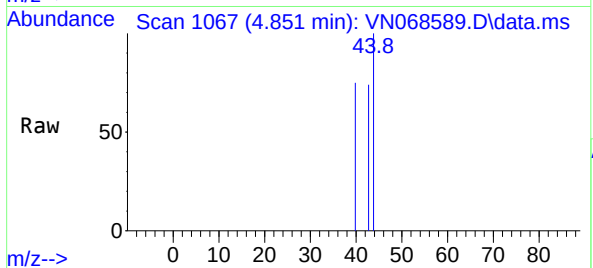


#18

Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Instrument :
MSVOA_N
ClientSampled :

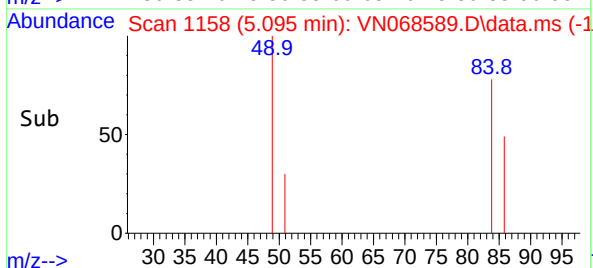
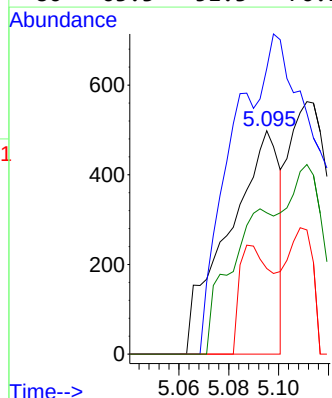
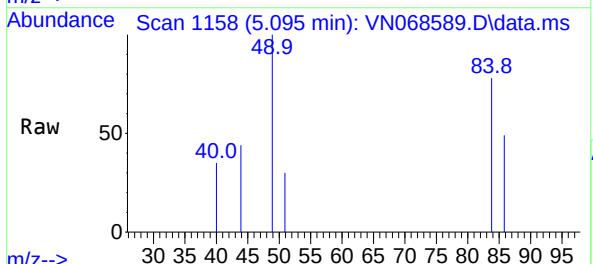
Tgt Ion: 43 Resp: 239
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#

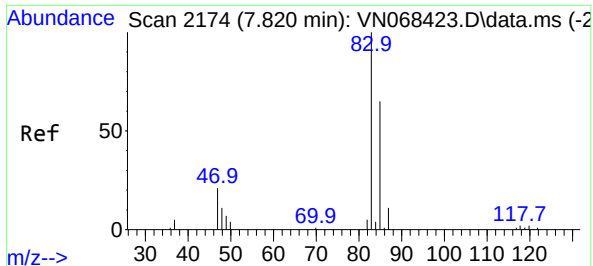


#20

Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. -0.008 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 84 Resp: 708
Ion Ratio Lower Upper
84 100
49 127.9 83.0 124.6#
51 38.4 25.4 38.0#
86 63.3 51.3 76.9



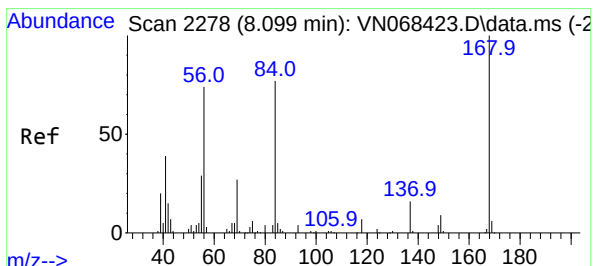
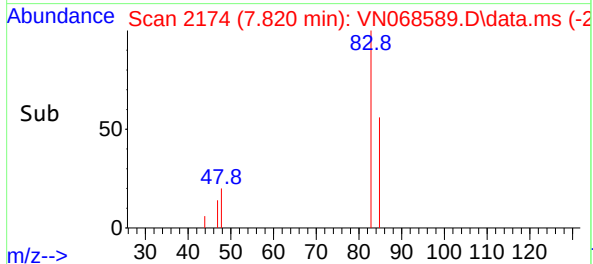
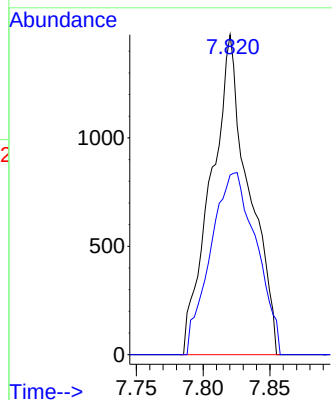
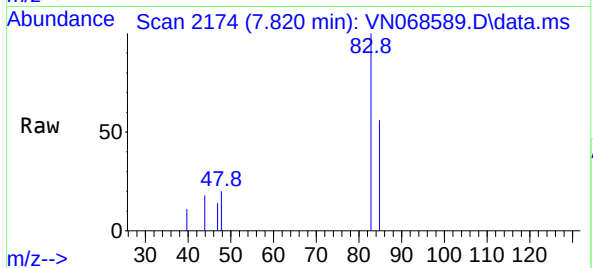


#30

Chloroform
Concen: 0.260 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Instrument :
MSVOA_N
ClientSampled :

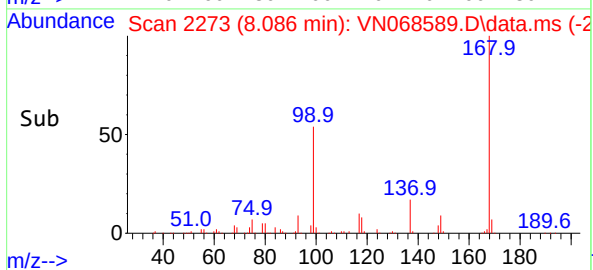
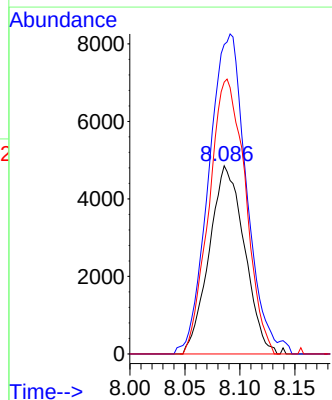
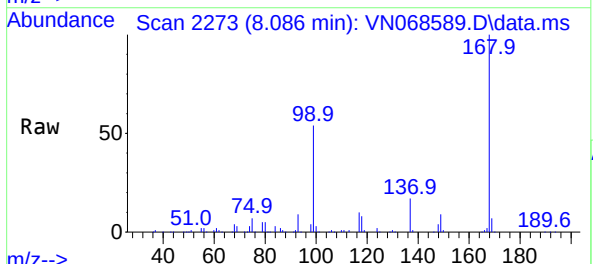
Tgt Ion: 83 Resp: 2915
Ion Ratio Lower Upper
83 100
85 56.2 52.2 78.4

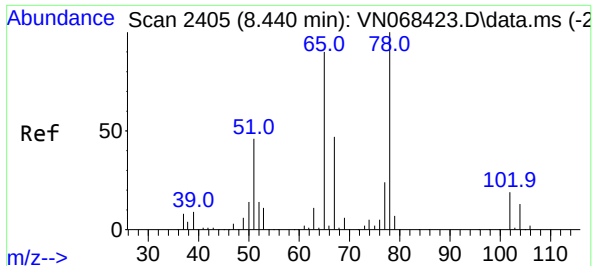


#31

Cyclohexane
Concen: 1.201 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 56 Resp: 10809
Ion Ratio Lower Upper
56 100
69 160.6 29.4 44.0#
84 144.4 83.6 125.4#

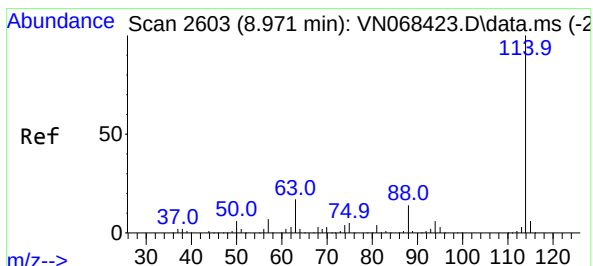
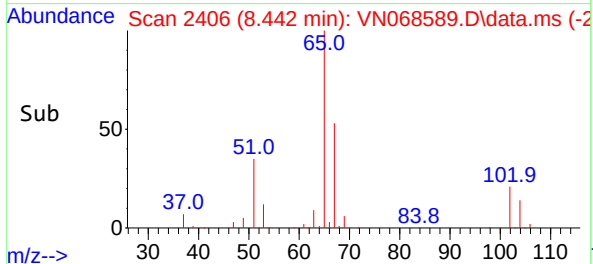
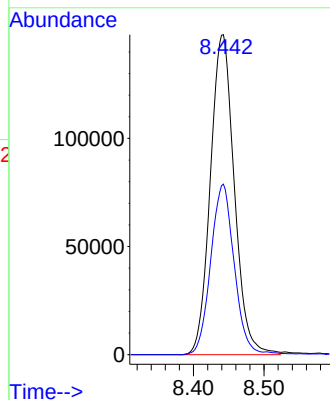
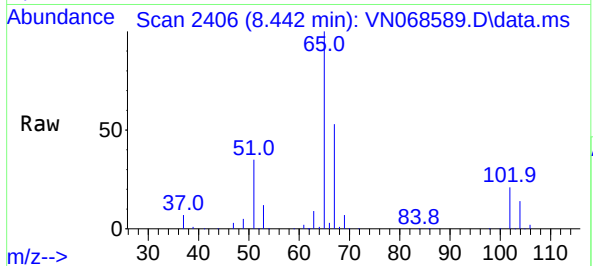




#33
1,2-Dichloroethane-d4
Concen: 58.778 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

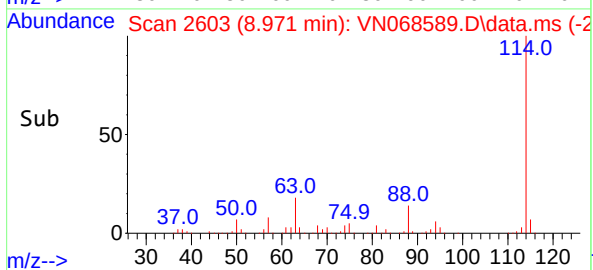
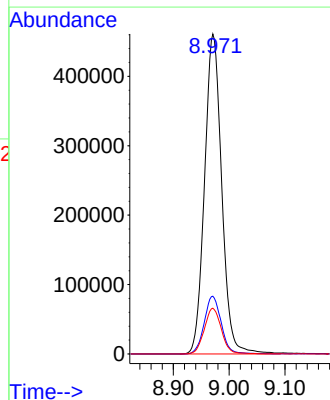
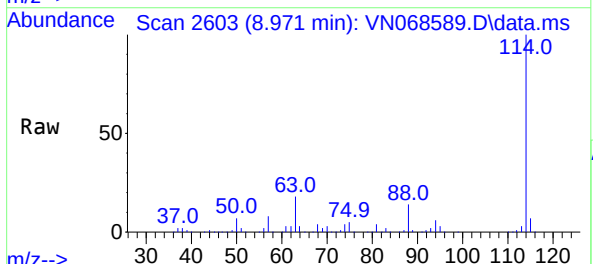
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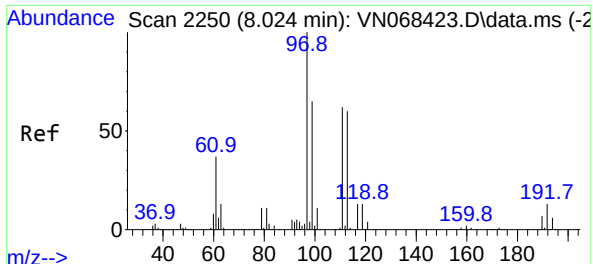
Tgt Ion: 65 Resp: 349228
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 114 Resp: 987206
Ion Ratio Lower Upper
114 100
63 18.0 0.0 33.2
88 14.3 0.0 28.4

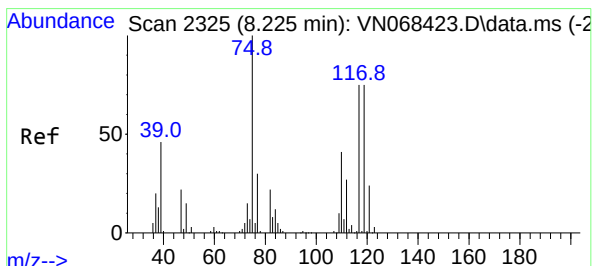
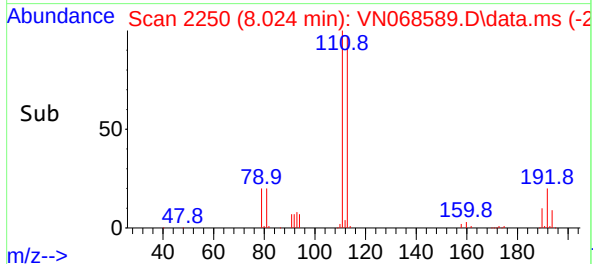
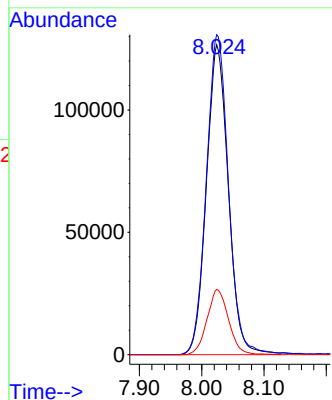
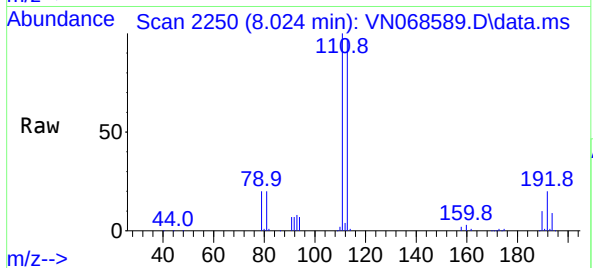




#35
Dibromofluoromethane
Concen: 52.042 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

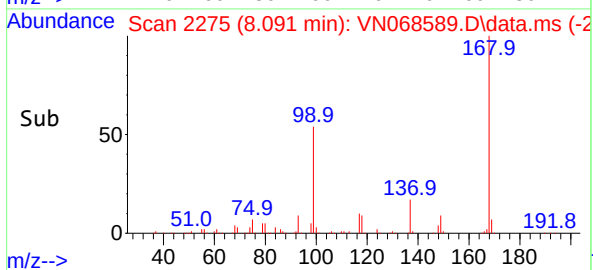
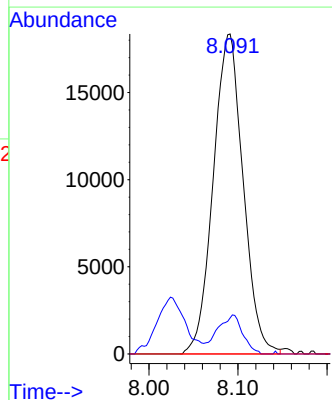
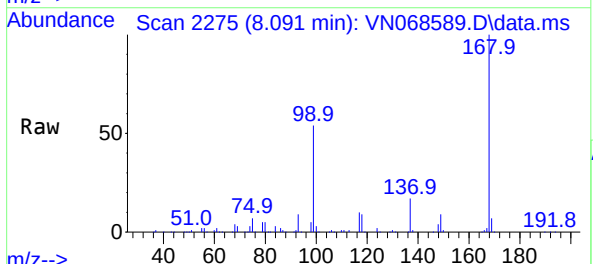
Instrument :
MSVOA_N
ClientSampled :

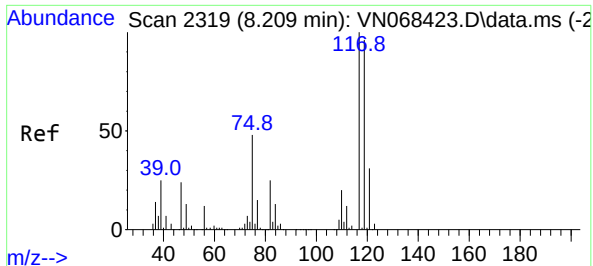
Tgt Ion:113 Resp: 309866
Ion Ratio Lower Upper
113 100
111 104.3 81.1 121.7
192 20.6 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

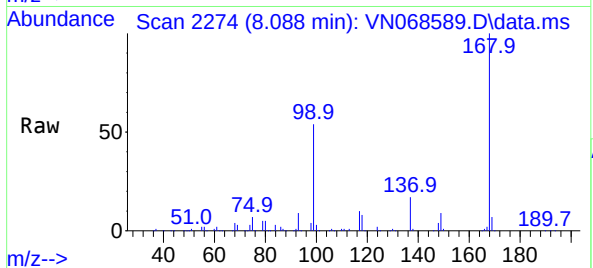
Tgt Ion: 75 Resp: 42825
Ion Ratio Lower Upper
75 100
110 10.2 20.8 62.5#
77 0.0 25.0 37.6#



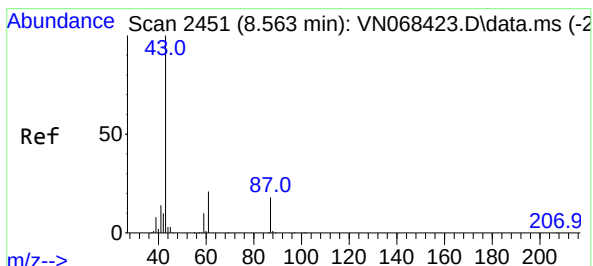
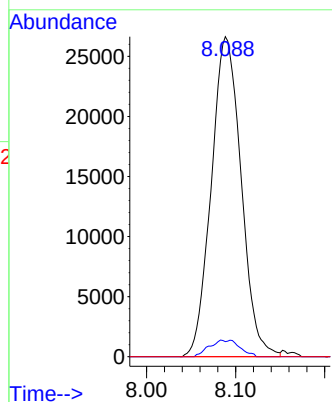
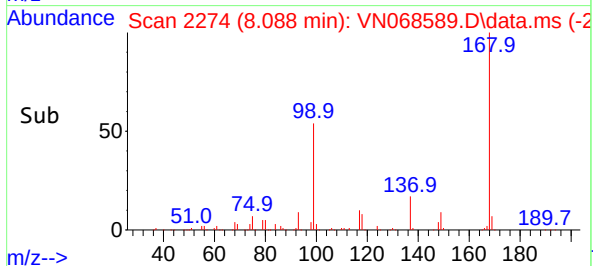


#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

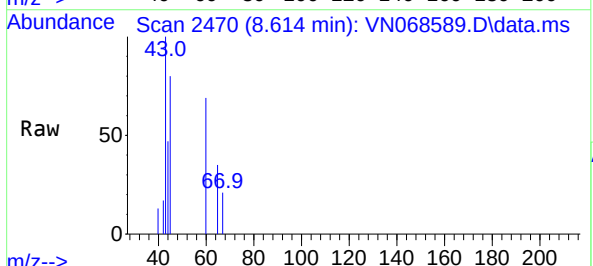
Instrument :
MSVOA_N
ClientSampled :



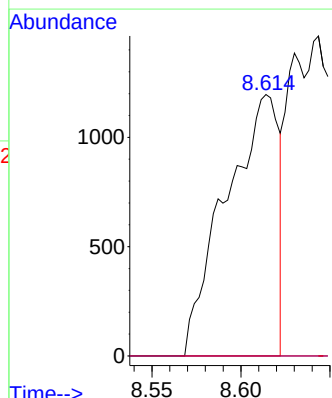
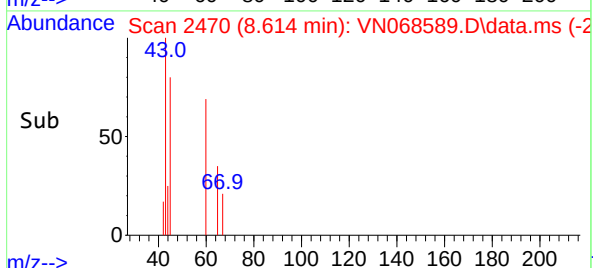
Tgt Ion:117 Resp: 62074
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 24.5 36.7#

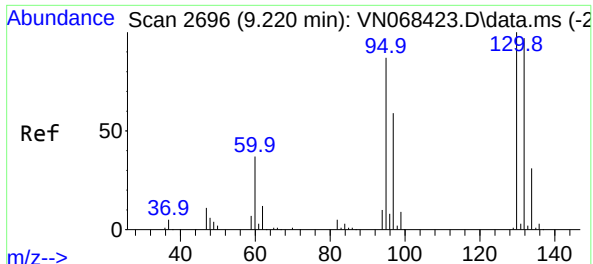


#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 8.614 min Scan# 2470
Delta R.T. 0.051 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07



Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

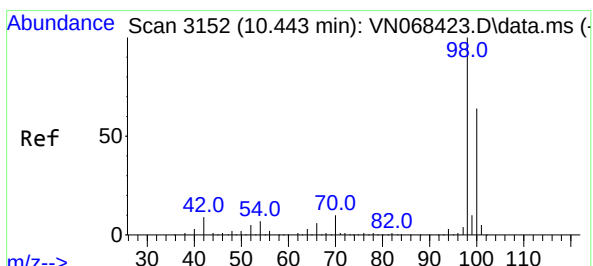
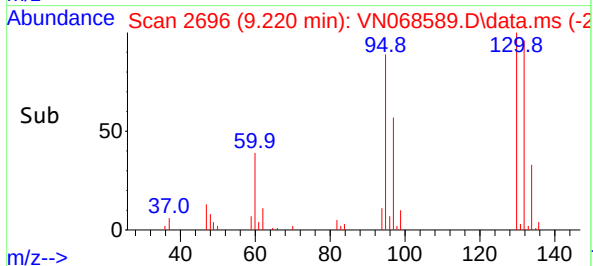
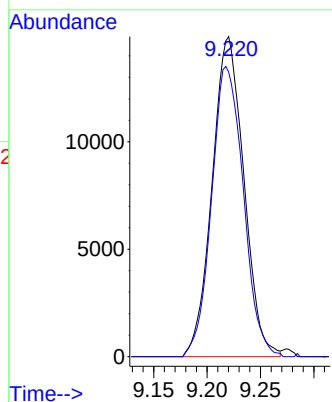
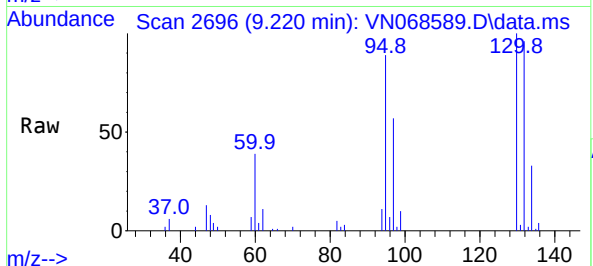




#44
Trichloroethene
Concen: 3.984 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

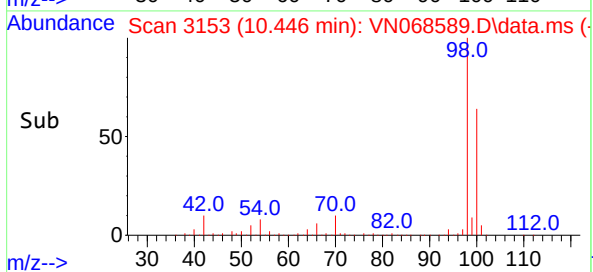
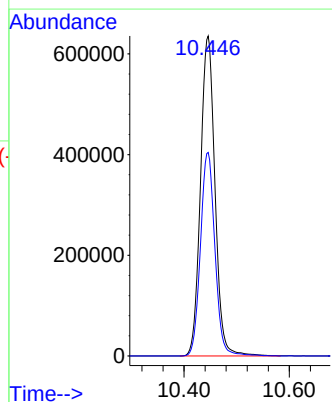
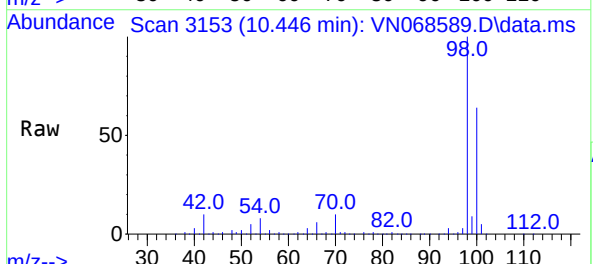
Instrument :
MSVOA_N
ClientSampled :

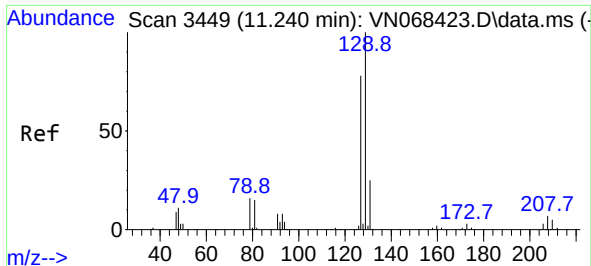
Tgt Ion:130 Resp: 30733
Ion Ratio Lower Upper
130 100
95 88.9 0.0 173.8



#50
Toluene-d8
Concen: 49.755 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 98 Resp: 1214562
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6

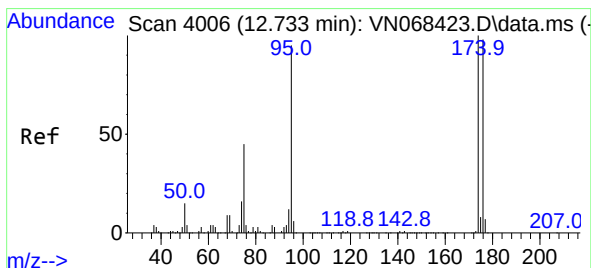
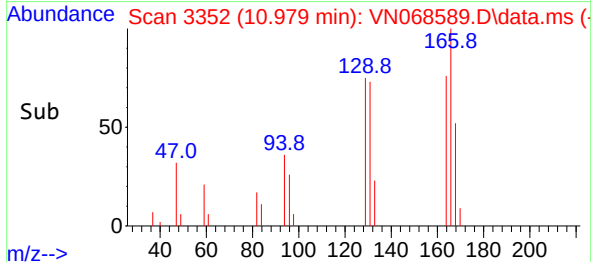
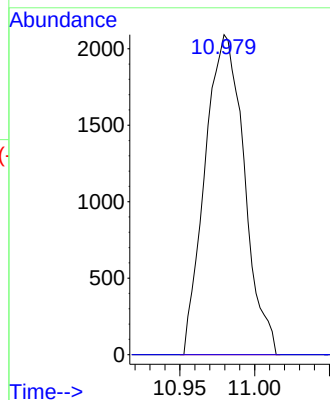
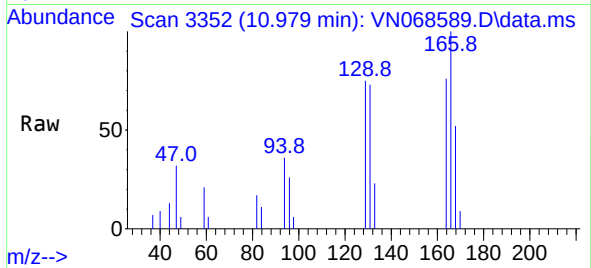




#60
Dibromochloromethane
Concen: 2.222 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

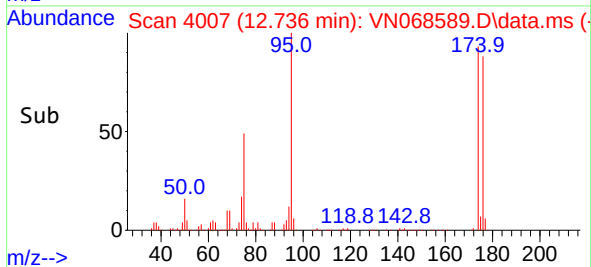
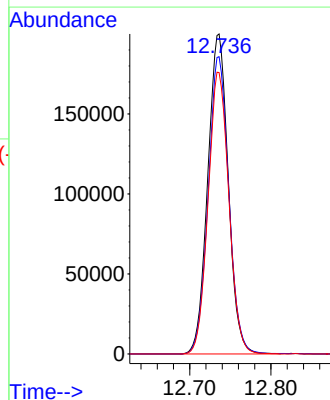
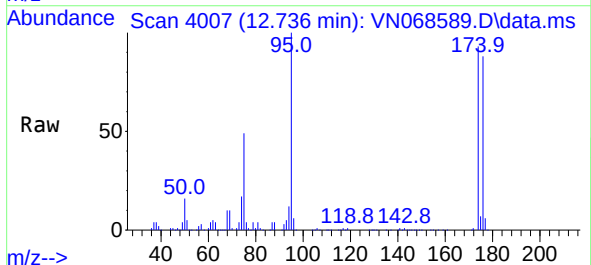
Instrument :
MSVOA_N
ClientSampled :

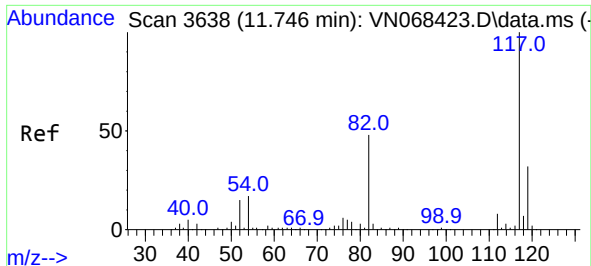
Tgt Ion:129 Resp: 3818
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 44.002 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion: 95 Resp: 349826
Ion Ratio Lower Upper
95 100
174 93.5 0.0 214.0
176 89.1 0.0 205.4

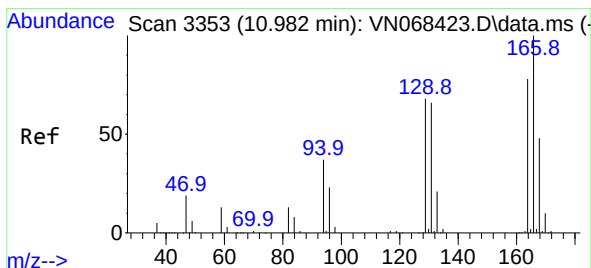
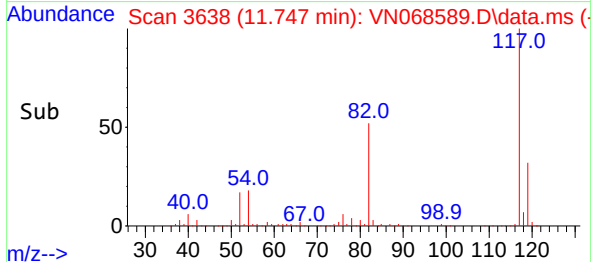
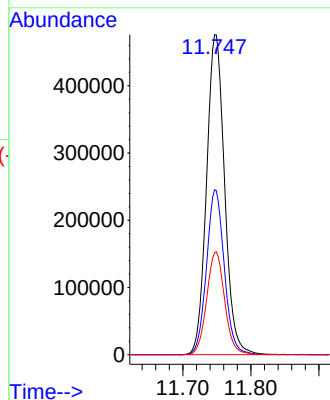
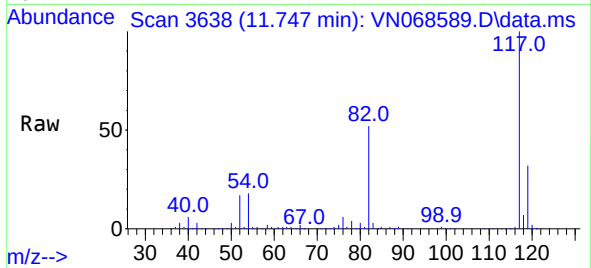




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

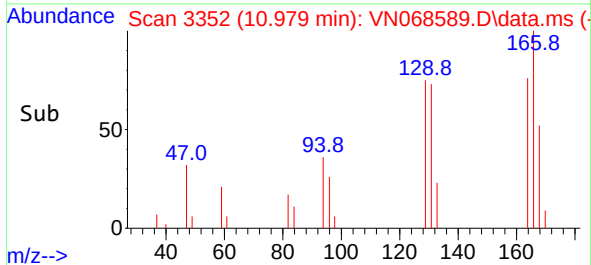
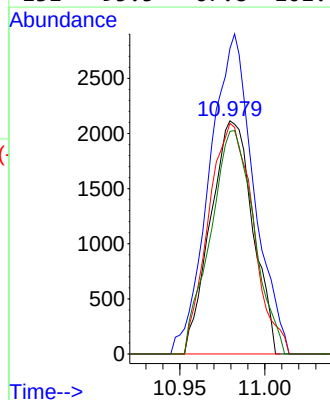
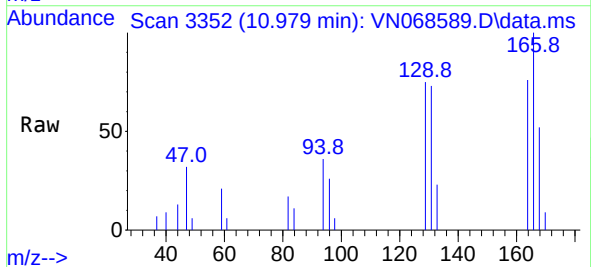
Instrument :
MSVOA_N
ClientSampled :

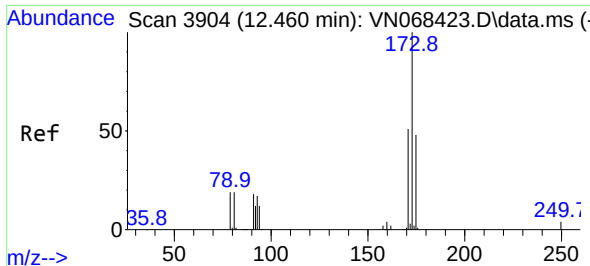
Tgt Ion:117 Resp: 877828
Ion Ratio Lower Upper
117 100
82 51.6 38.7 58.1
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 0.471 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.003 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion:164 Resp: 3661
Ion Ratio Lower Upper
164 100
166 122.9 102.9 154.3
129 98.9 70.1 105.1
131 95.5 67.8 101.6

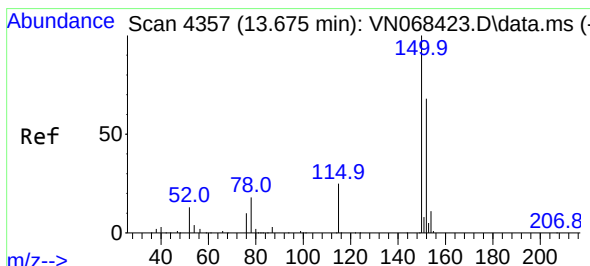
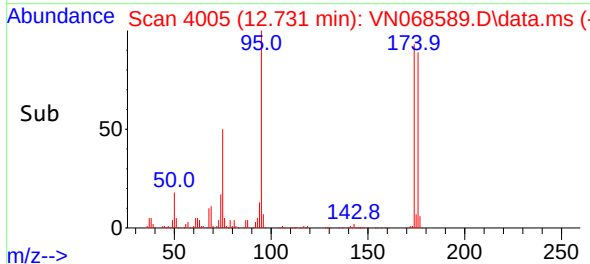
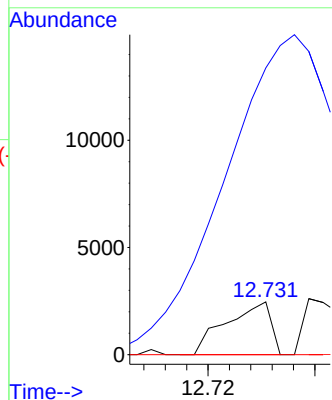
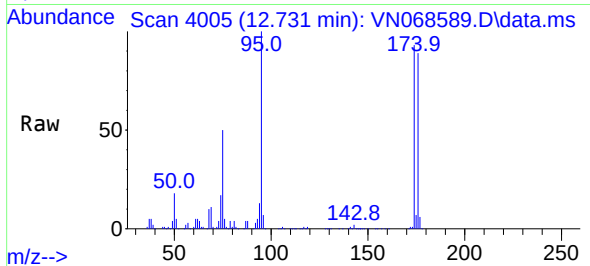




#71
Bromoform
Concen: 2.728 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

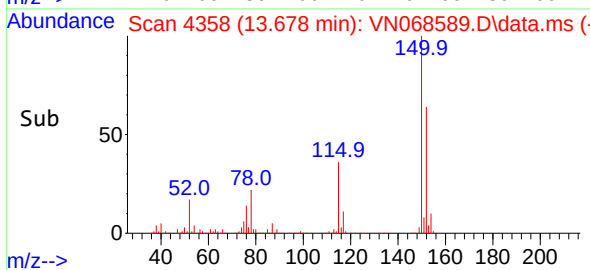
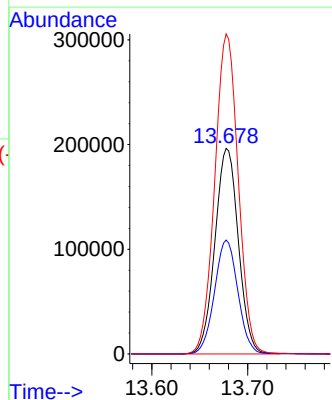
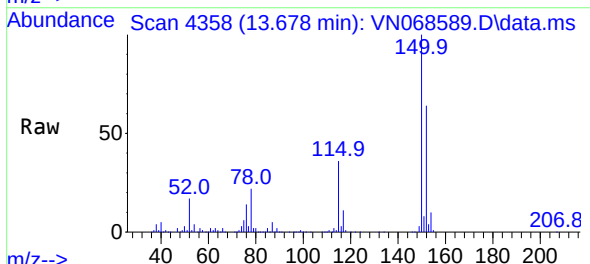
Instrument :
MSVOA_N
ClientSampleId :

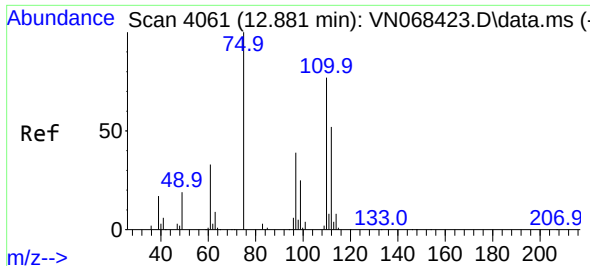
Tgt Ion:173 Resp: 1425
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Tgt Ion:152 Resp: 334050
Ion Ratio Lower Upper
152 100
115 55.2 25.6 76.6
150 155.7 0.0 346.8

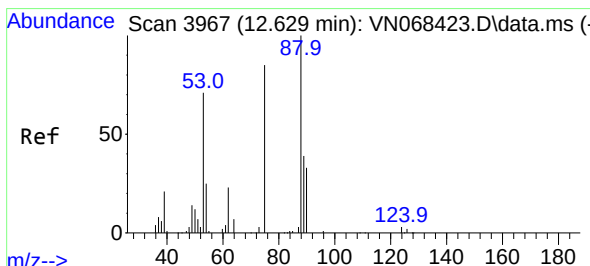
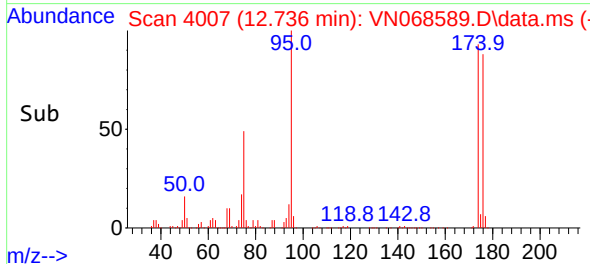
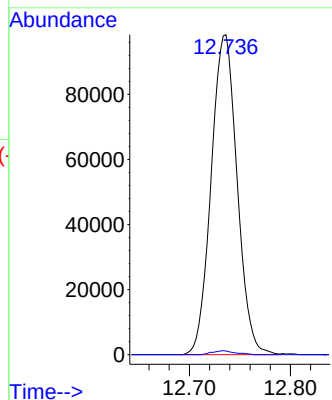
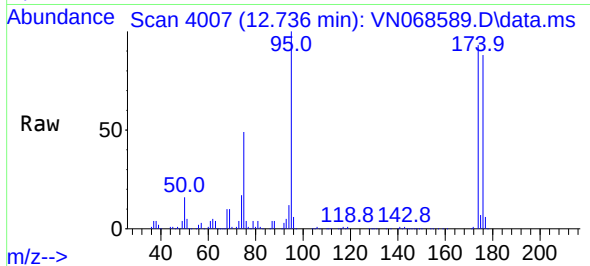




#76
1,2,3-Trichloropropane
Concen: 37.927 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

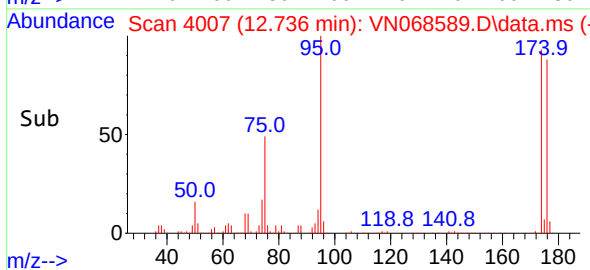
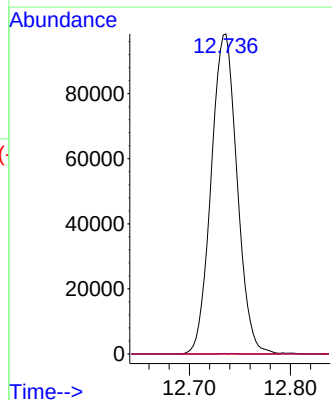
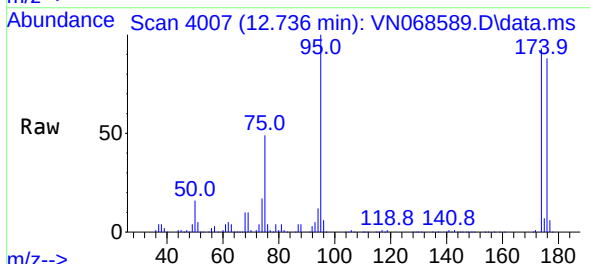
Instrument :
MSVOA_N
ClientSampled :

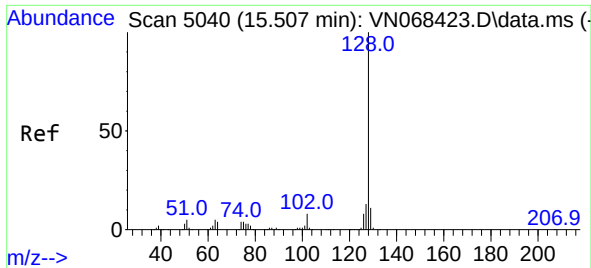
Tgt Ion: 75 Resp: 175446
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.396 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

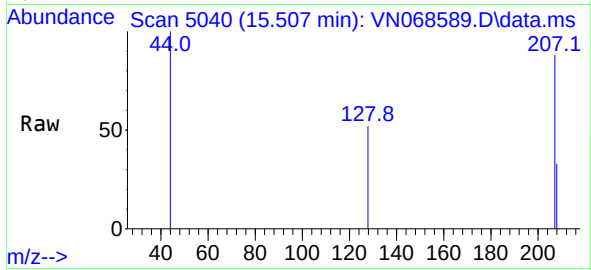
Tgt Ion: 75 Resp: 175446
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 3.520 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068589.D
Acq: 21 Sep 2021 18:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 341
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

