

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060623\
 Data File : VN078076.D
 Acq On : 06 Jun 2023 17:36
 Operator : JC\MD
 Sample : 03036-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-STONE-0602

Quant Time: Jun 07 01:23:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

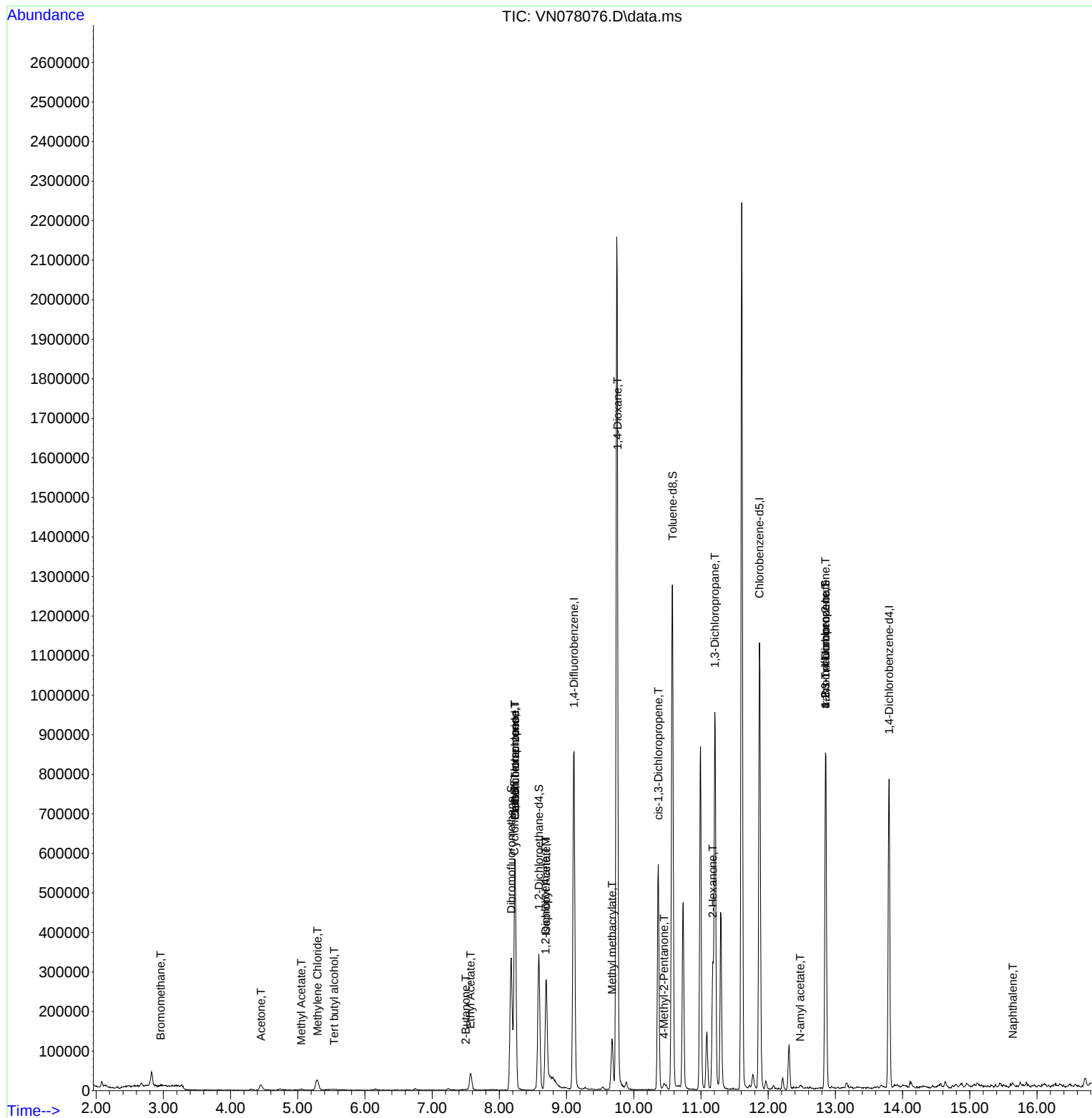
Internal Standards						
1) Pentafluorobenzene	8.235	168	422104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	771847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	700282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	218478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	278823	44.147	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.300%		
35) Dibromofluoromethane	8.177	113	241836	48.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	10.576	98	952016	49.142	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.853	95	320456	46.836	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.680%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1318	Below Cal	#	88
5) Bromomethane	2.959	94	1072	0.239	ug/l #	32
11) Tert butyl alcohol	5.542	59	212	0.243	ug/l #	72
13) Acrolein	4.200	56	144	Below Cal	#	1
16) Acetone	4.453	43	26743	13.459	ug/l #	77
18) Methyl Acetate	5.053	43	5201	0.624	ug/l #	58
20) Methylene Chloride	5.294	84	22009	2.374	ug/l #	91
25) 2-Butanone	7.500	43	2637	0.848	ug/l #	70
31) Cyclohexane	8.224	56	9808	1.143	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	34500	4.686	ug/l #	49
37) Ethyl Acetate	7.571	43	63166	9.627	ug/l	97
38) Carbon Tetrachloride	8.235	117	47206	6.350	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	2152	0.273	ug/l #	73
43) Isopropyl Acetate	8.694	43	342582	31.964	ug/l #	80
48) Methyl methacrylate	9.677	41	7270	1.431	ug/l #	34
49) 1,4-Dioxane	9.759	88	317	3.303	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	9591	1.505	ug/l	96
54) cis-1,3-Dichloropropene	10.365	75	108468	12.244	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	10390	1.129	ug/l #	43
59) 2-Hexanone	11.176	43	270198	57.341	ug/l #	19
74) N-amyl acetate	12.476	43	2091	0.300	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	163710	29.921	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163710	95.642	ug/l #	15
95) Naphthalene	15.641	128	3732	0.250	ug/l #	92

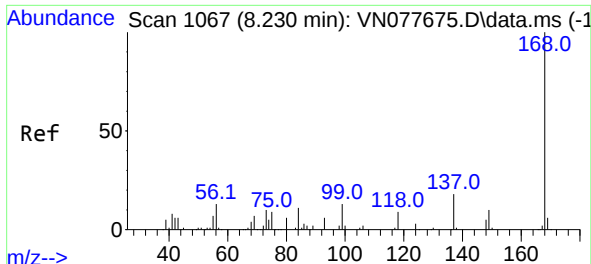
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 01:23:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
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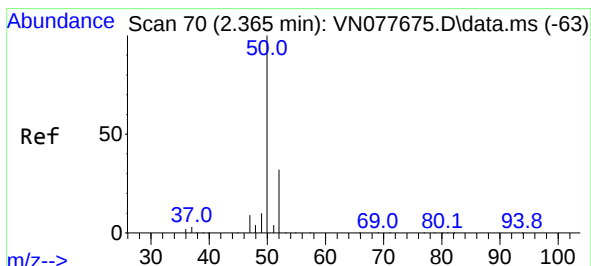
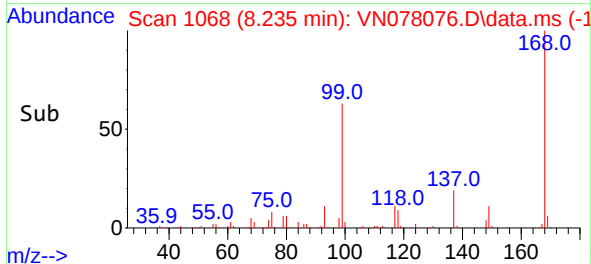
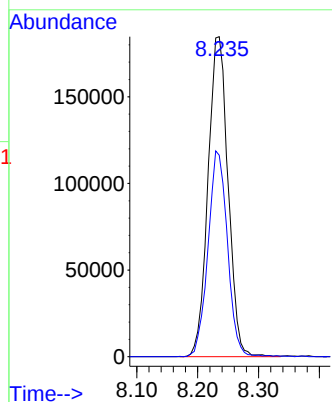
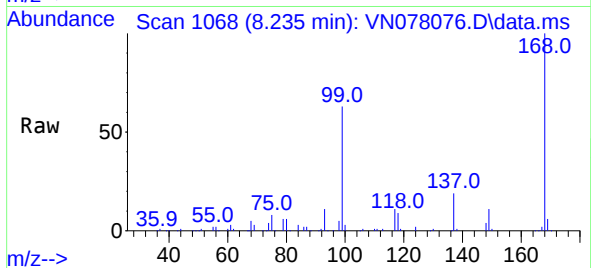




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

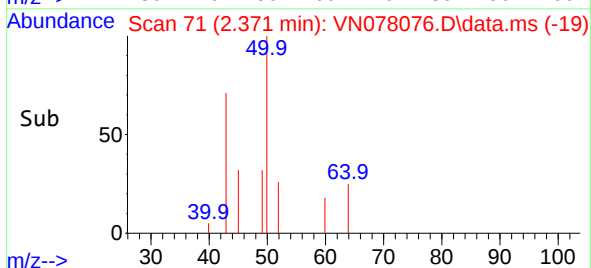
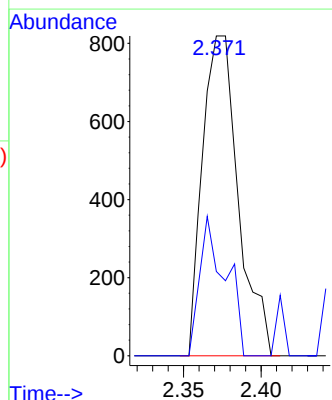
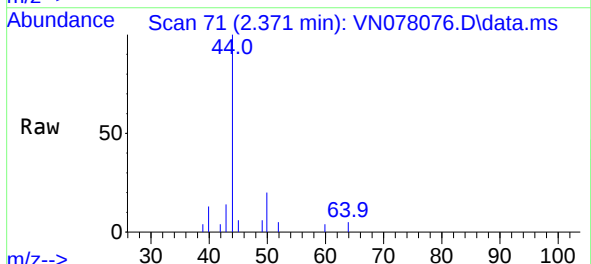
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

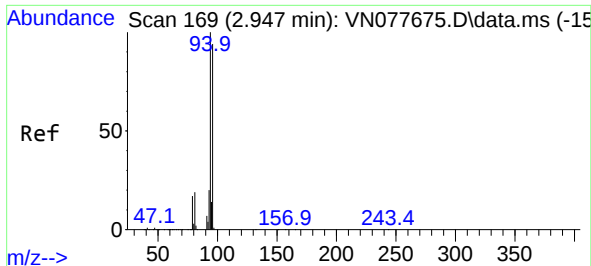
Tgt Ion:168 Resp: 422104
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 50 Resp: 1318
Ion Ratio Lower Upper
50 100
52 26.4 26.5 39.7#

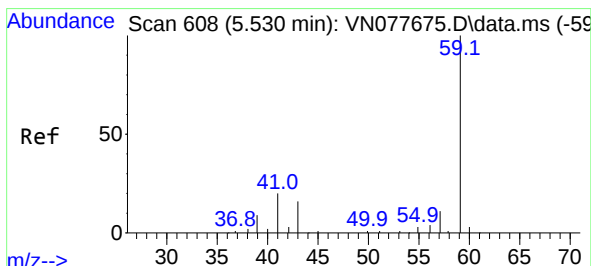
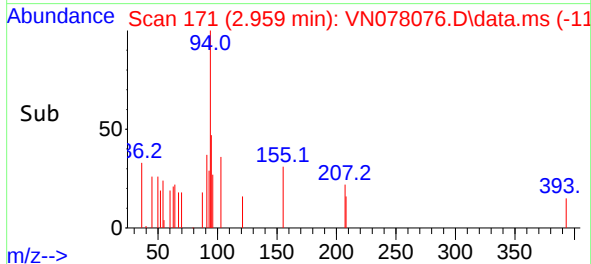
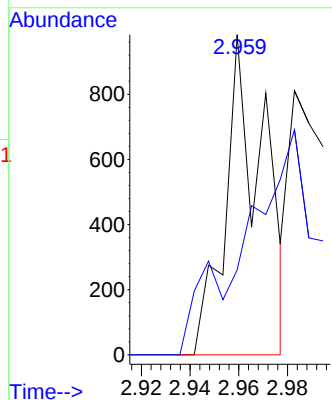
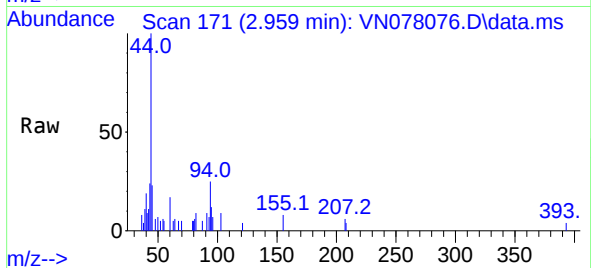




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

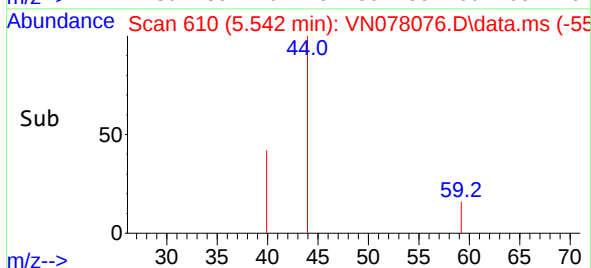
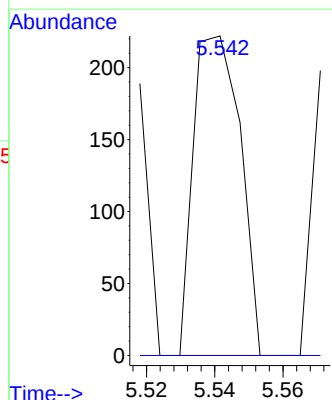
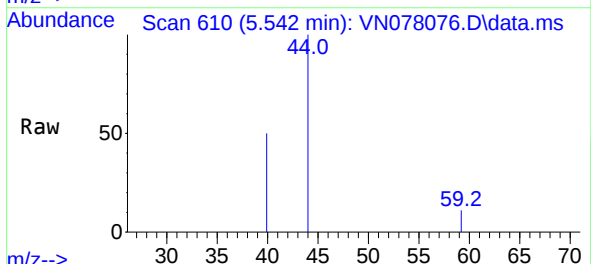
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

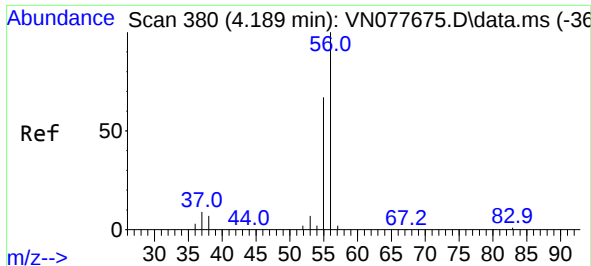
Tgt Ion: 94 Resp: 1072
Ion Ratio Lower Upper
94 100
96 26.6 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.243 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

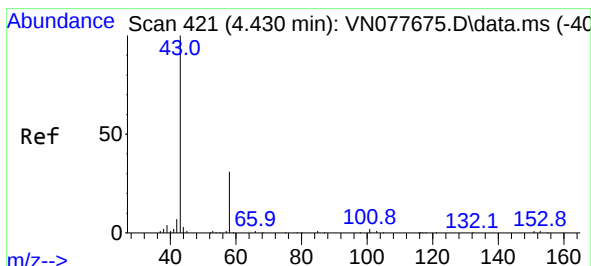
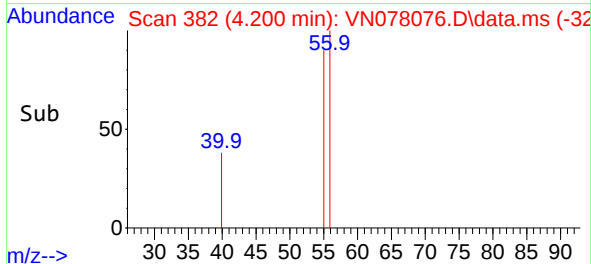
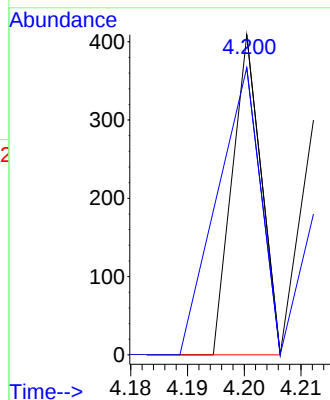
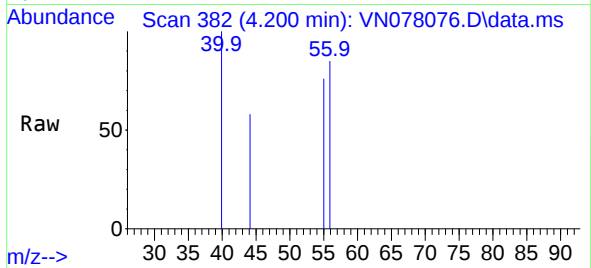




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

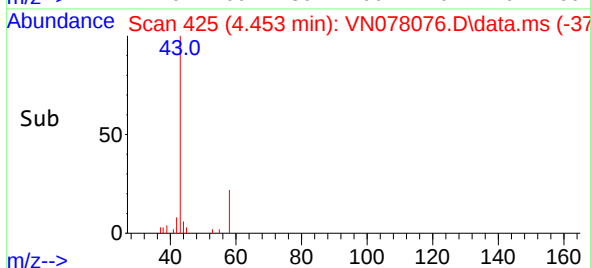
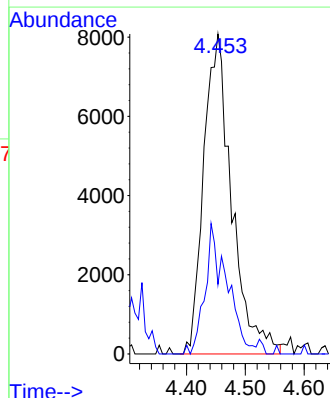
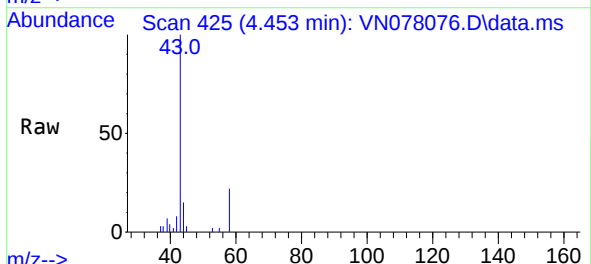
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

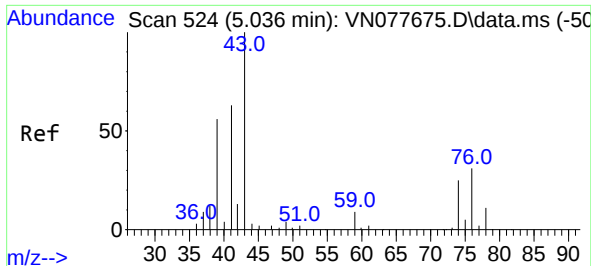
Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 179.2 54.5 81.7#



#16
Acetone
Concen: 13.459 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 43 Resp: 26743
Ion Ratio Lower Upper
43 100
58 21.7 28.0 42.0#





#18

Methyl Acetate

Concen: 0.624 ug/l

RT: 5.053 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN078076.D

Acq: 06 Jun 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

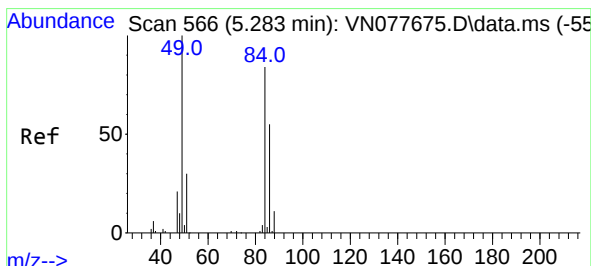
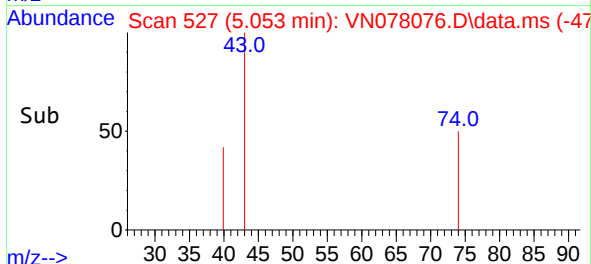
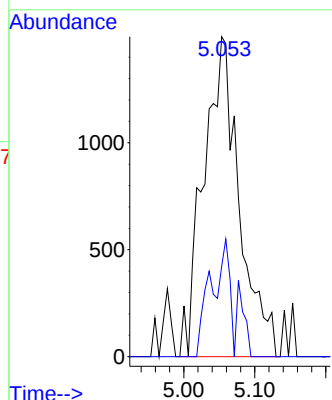
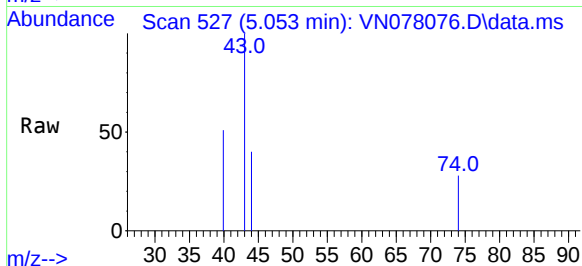
PL-STONE-0602

Tgt Ion: 43 Resp: 5201

Ion Ratio Lower Upper

43 100

74 9.0 26.2 39.4#



#20

Methylene Chloride

Concen: 2.374 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.011 min

Lab File: VN078076.D

Acq: 06 Jun 2023 17:36

Tgt Ion: 84 Resp: 22009

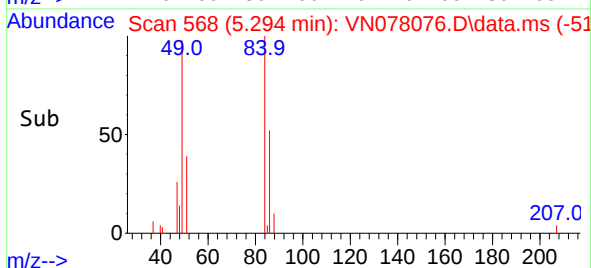
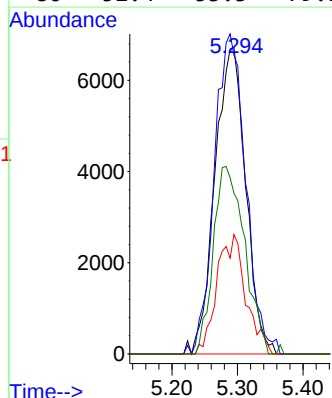
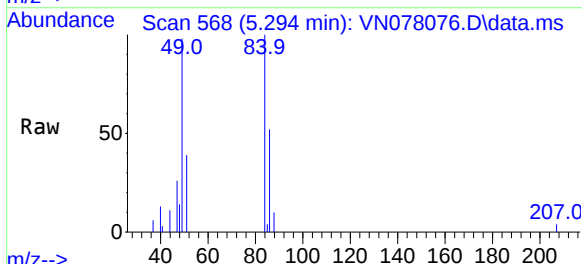
Ion Ratio Lower Upper

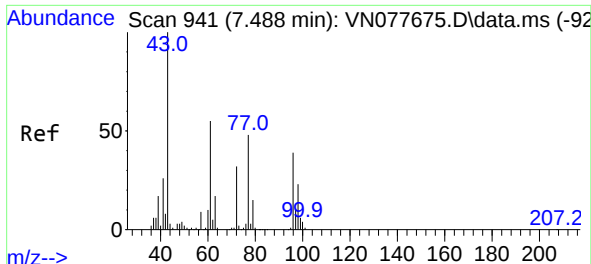
84 100

49 97.5 79.7 119.5

51 38.9 25.2 37.8#

86 52.4 53.3 79.9#

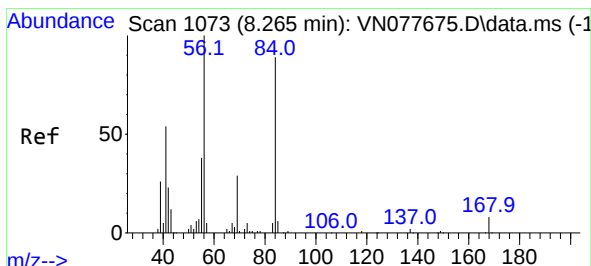
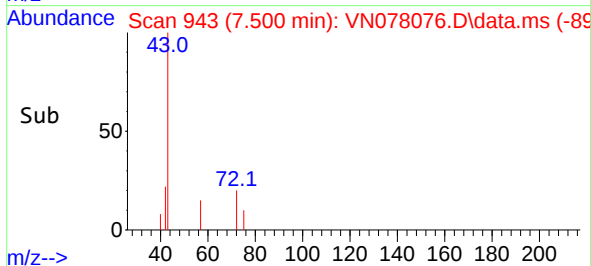
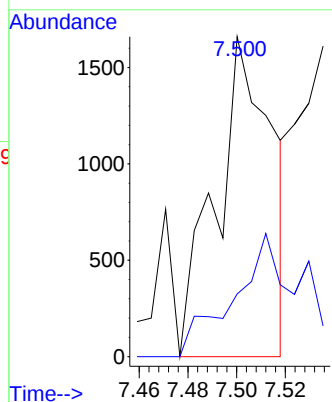
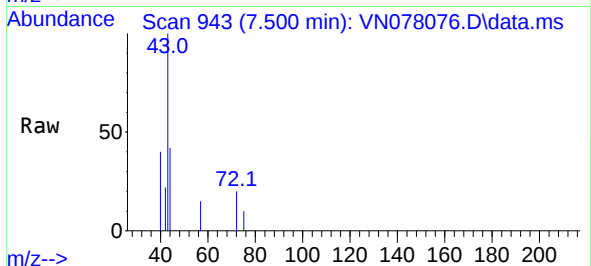




#25
2-Butanone
Concen: 0.848 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

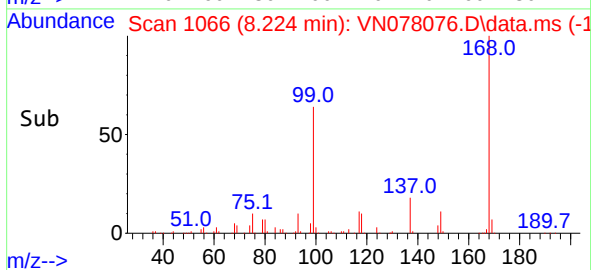
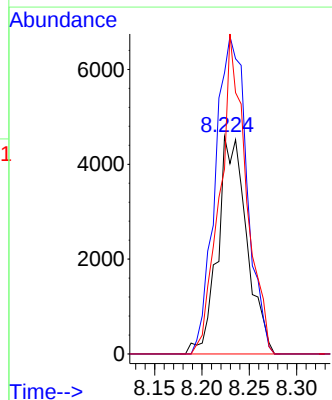
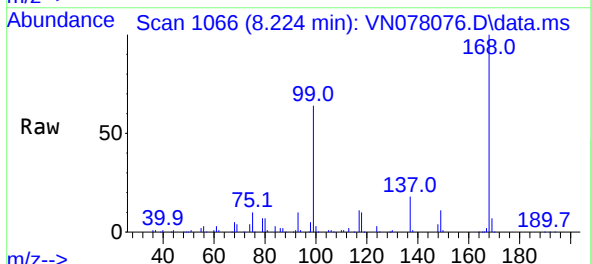
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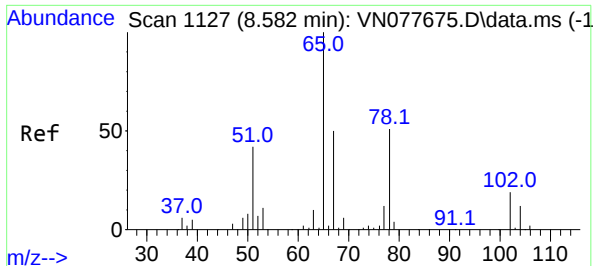
Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
72 19.6 30.2 45.2#



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 56 Resp: 9808
Ion Ratio Lower Upper
56 100
69 129.2 26.8 40.2#
84 85.0 81.8 122.6

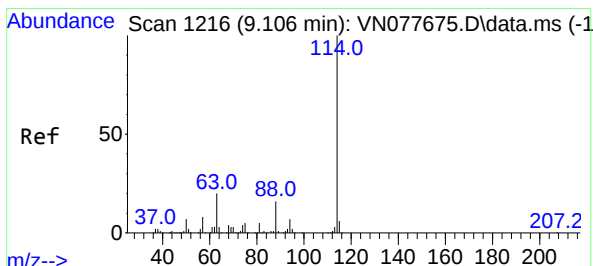
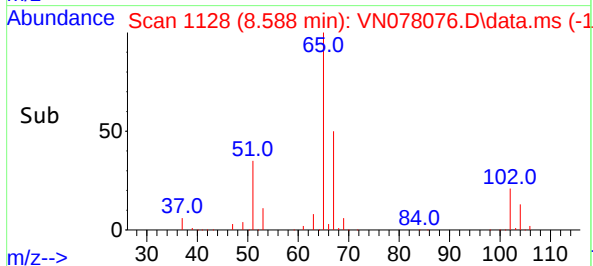
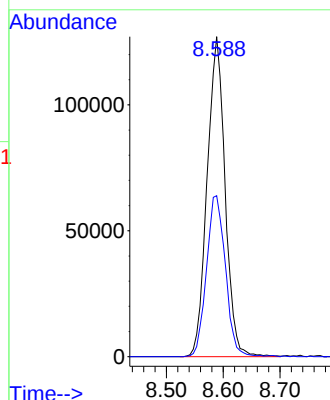
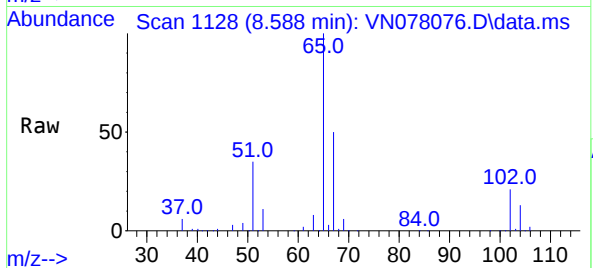




#33
1,2-Dichloroethane-d4
Concen: 44.147 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

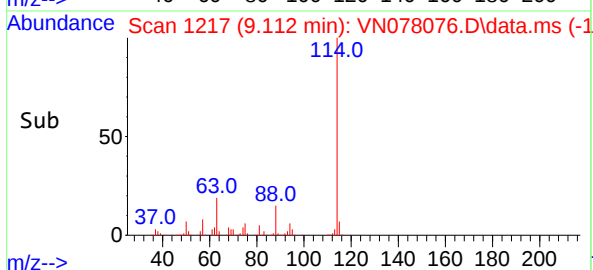
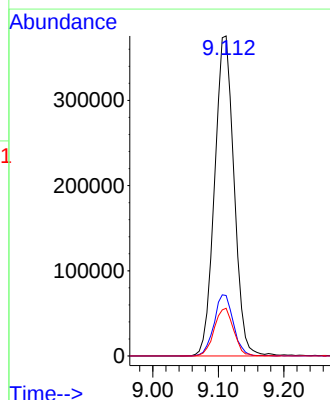
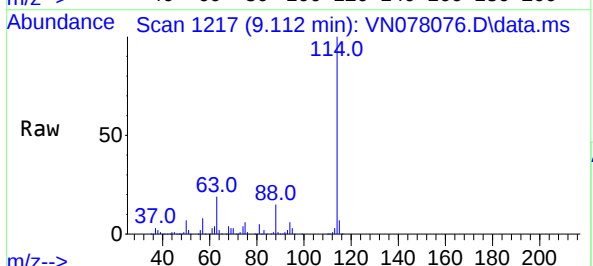
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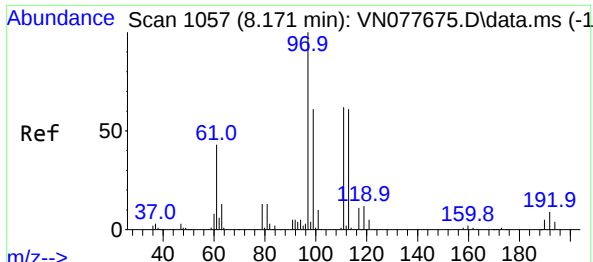
Tgt Ion: 65 Resp: 278823
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

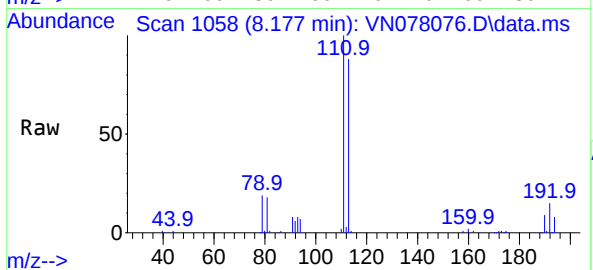
Tgt Ion: 114 Resp: 771847
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 14.9 0.0 30.6



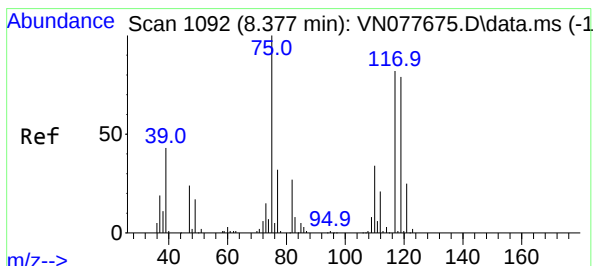
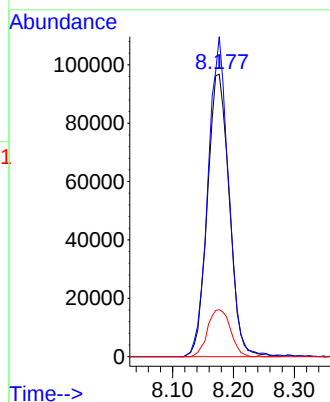
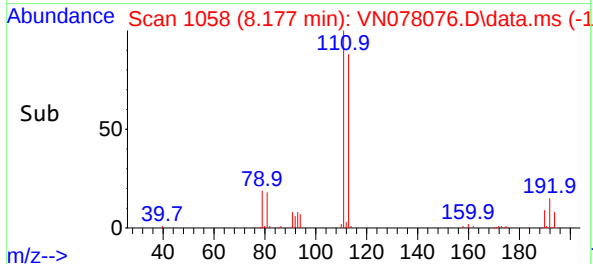


#35
Dibromofluoromethane
Concen: 48.049 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

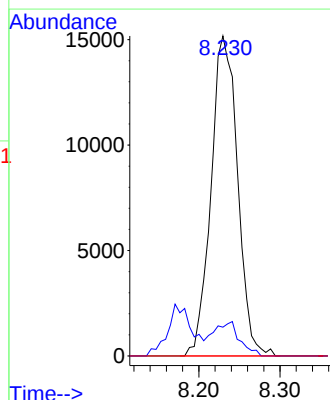
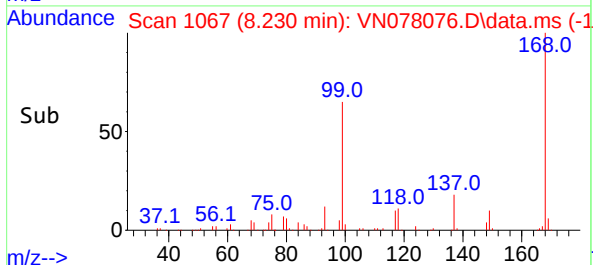
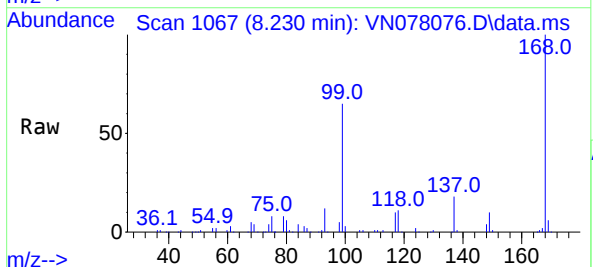


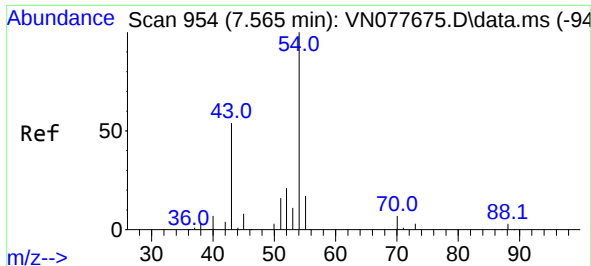
Tgt Ion:113 Resp: 241836
Ion Ratio Lower Upper
113 100
111 106.3 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.686 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 75 Resp: 34500
Ion Ratio Lower Upper
75 100
110 10.7 19.1 57.3#
77 0.0 25.0 37.4#

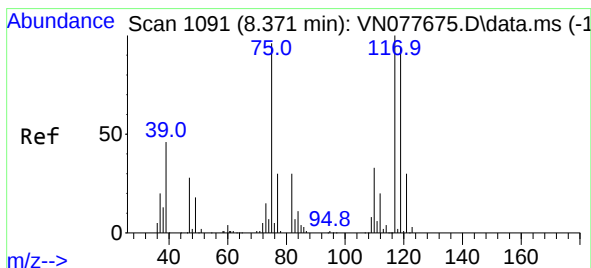
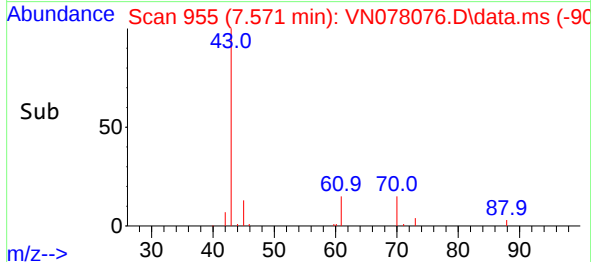
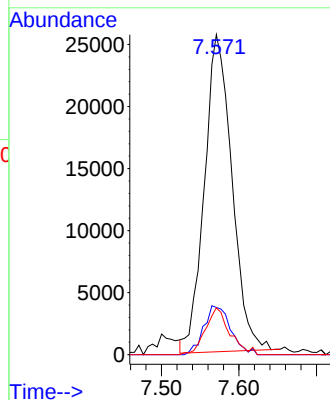
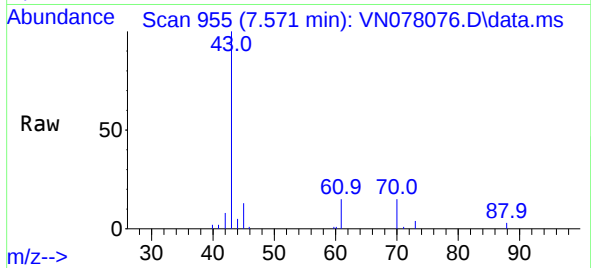




#37
Ethyl Acetate
Concen: 9.627 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

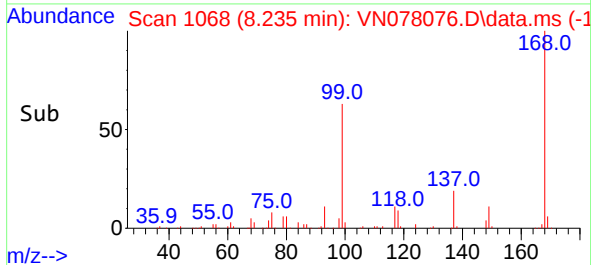
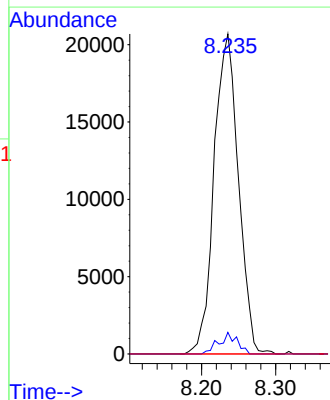
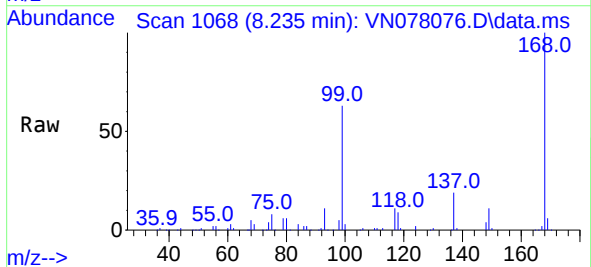
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

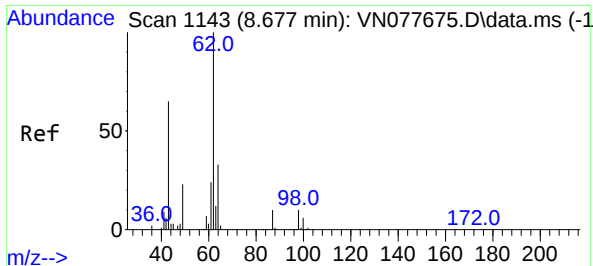
Tgt Ion: 43 Resp: 63166
Ion Ratio Lower Upper
43 100
61 15.0 13.2 19.8
70 13.1 11.3 16.9



#38
Carbon Tetrachloride
Concen: 6.350 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 117 Resp: 47206
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN078076.D

Acq: 06 Jun 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

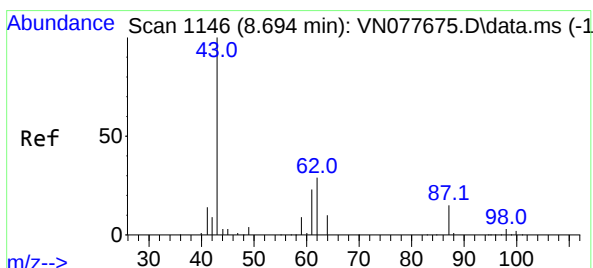
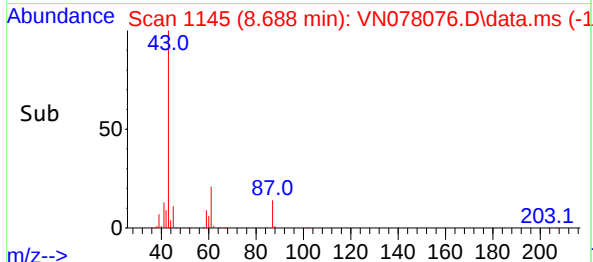
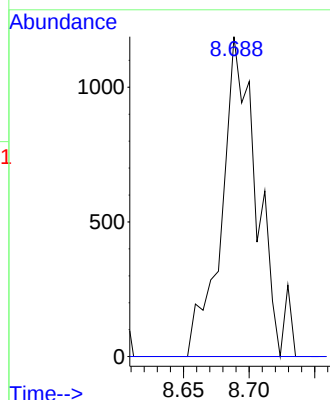
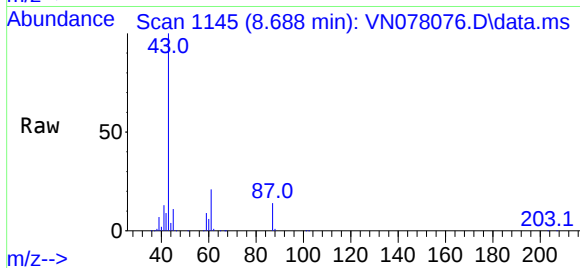
PL-STONE-0602

Tgt Ion: 62 Resp: 2152

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 31.964 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN078076.D

Acq: 06 Jun 2023 17:36

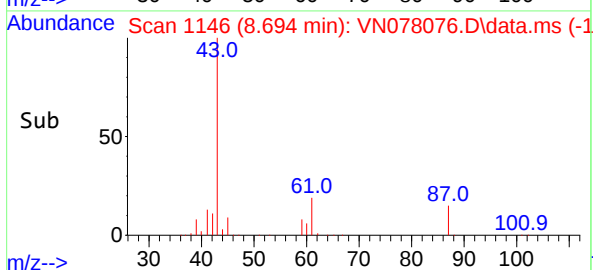
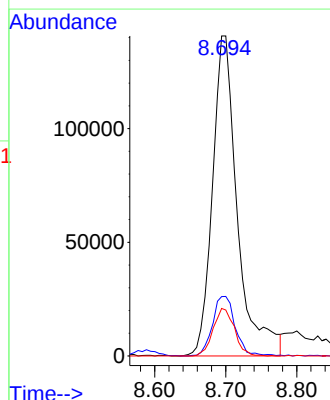
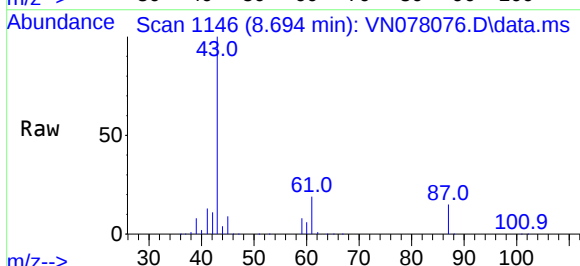
Tgt Ion: 43 Resp: 342582

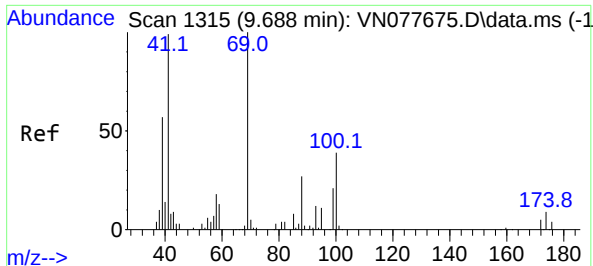
Ion Ratio Lower Upper

43 100

61 17.1 24.7 37.1#

87 12.7 14.6 21.8#

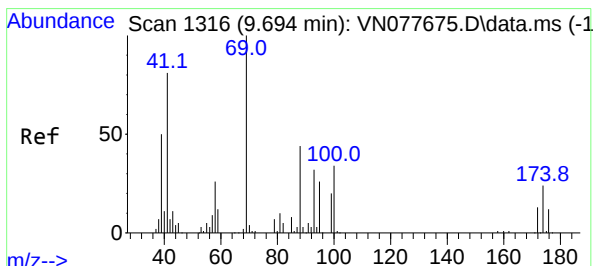
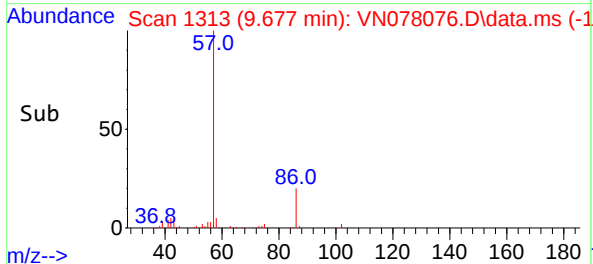
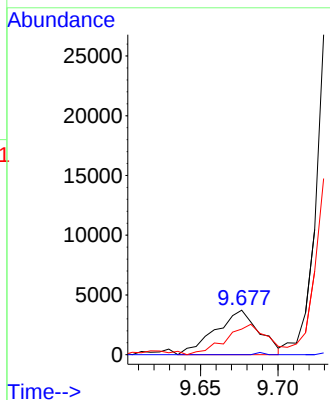
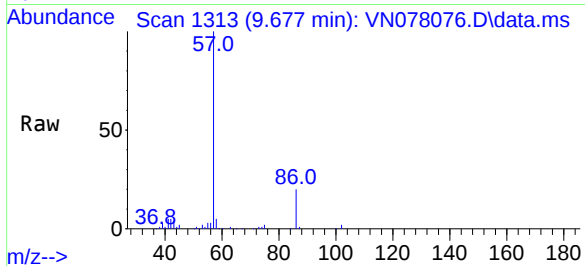




#48
Methyl methacrylate
Concen: 1.431 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

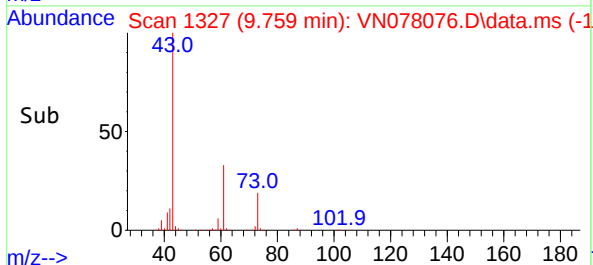
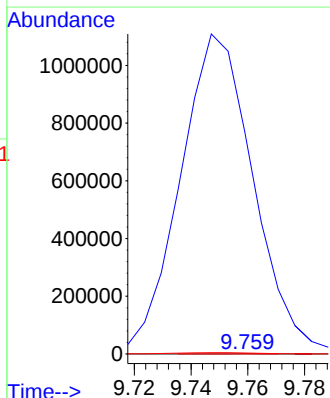
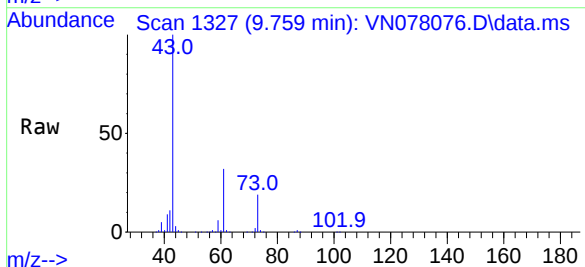
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

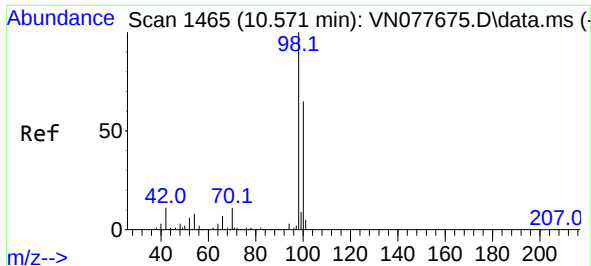
Tgt Ion: 41 Resp: 7270
Ion Ratio Lower Upper
41 100
69 0.9 90.4 135.6#
39 66.1 54.6 81.8



#49
1,4-Dioxane
Concen: 3.303 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.065 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 88 Resp: 317
Ion Ratio Lower Upper
88 100
43 633635.0 17.0 25.6#
58 2992.1 47.0 70.4#

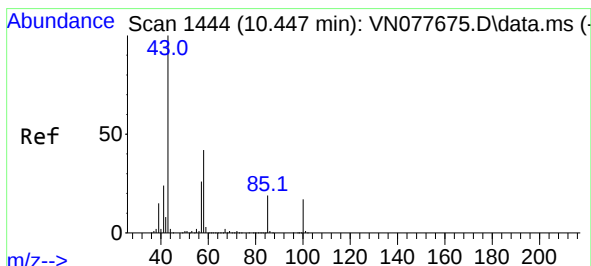
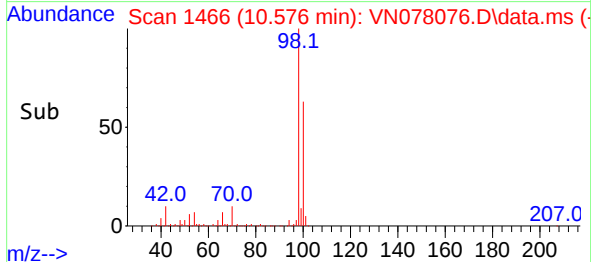
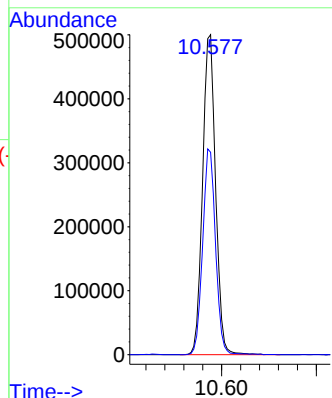
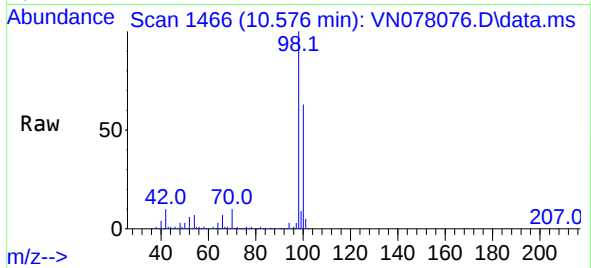




#50
Toluene-d8
Concen: 49.142 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

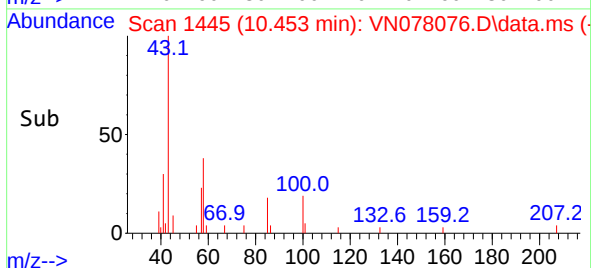
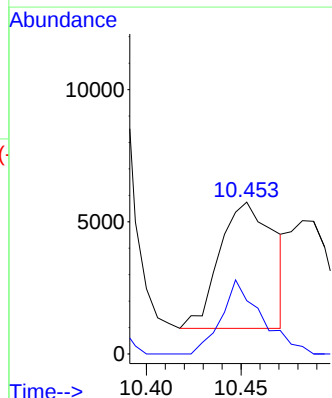
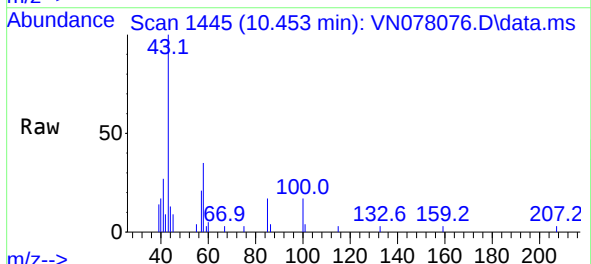
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

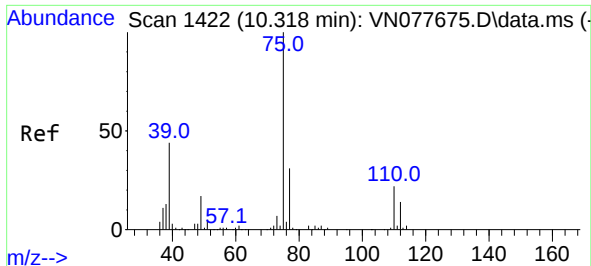
Tgt Ion: 98 Resp: 952016
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 43 Resp: 9591
Ion Ratio Lower Upper
43 100
58 43.3 36.6 54.8

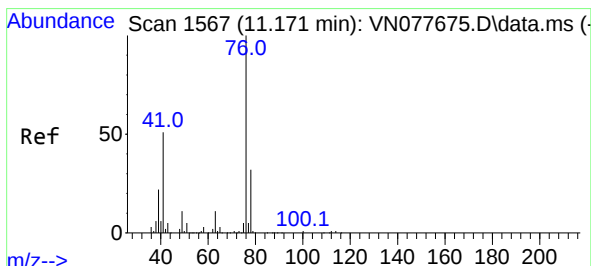
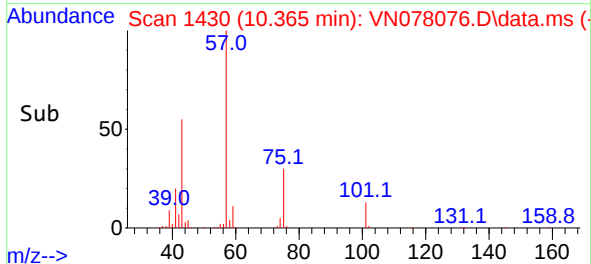
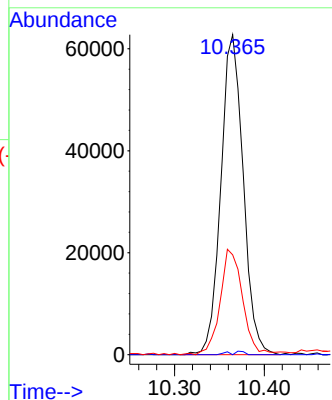
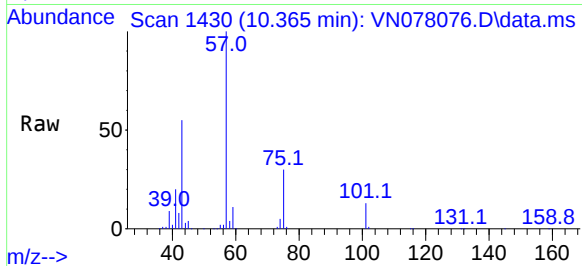




#54
cis-1,3-Dichloropropene
Concen: 12.244 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

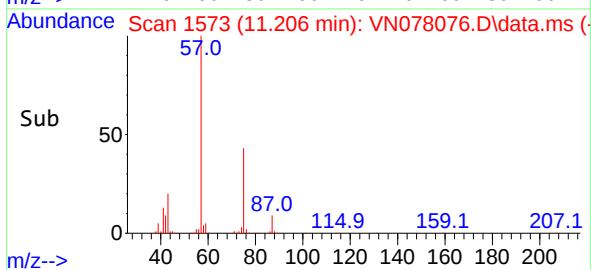
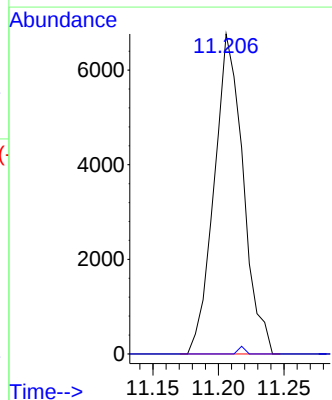
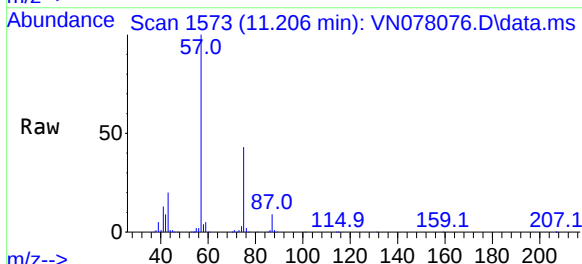
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

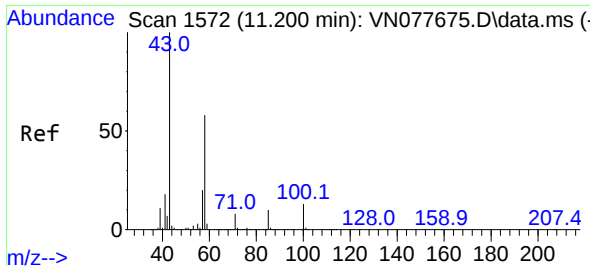
Tgt Ion: 75 Resp: 108468
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 31.2 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.129 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 76 Resp: 10390
Ion Ratio Lower Upper
76 100
78 0.6 26.1 39.1#

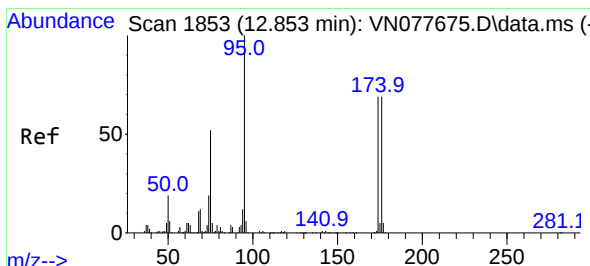
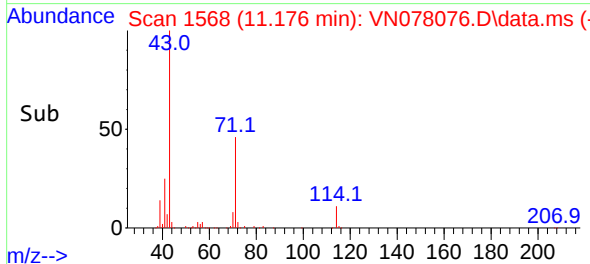
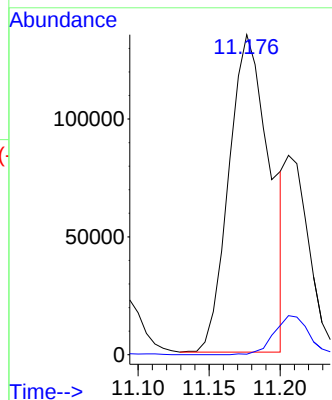
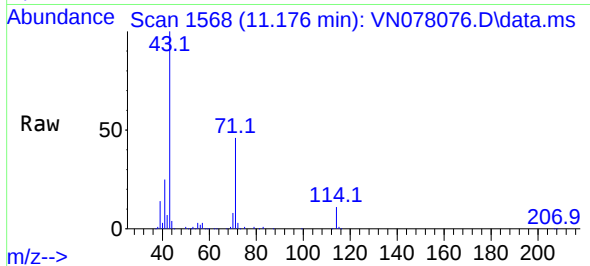




#59
2-Hexanone
Concen: 57.341 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

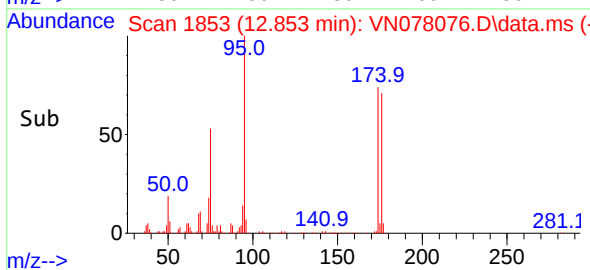
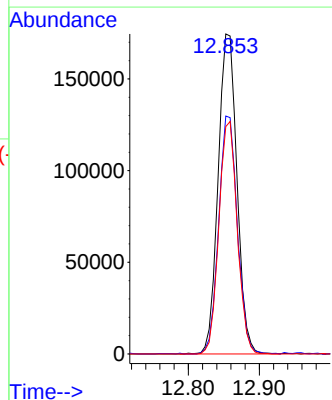
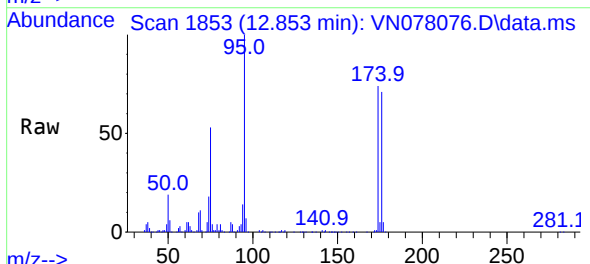
Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

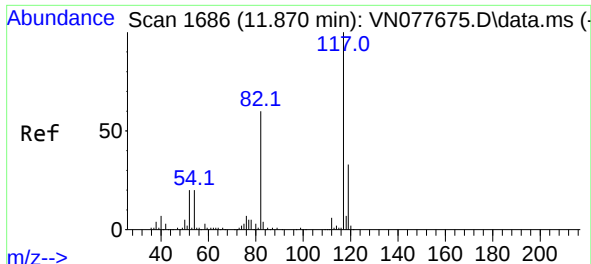
Tgt Ion: 43 Resp: 270198
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.836 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

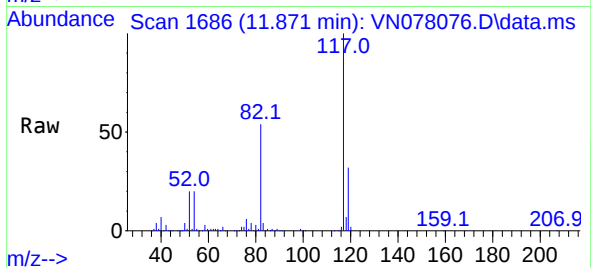
Tgt Ion: 95 Resp: 320456
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 70.7 0.0 135.8





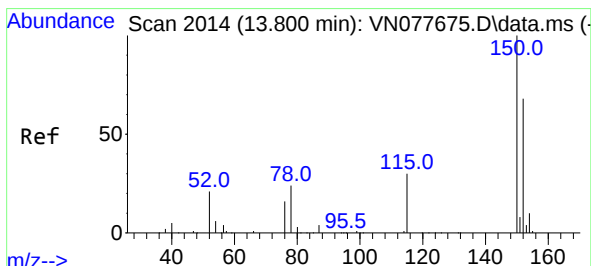
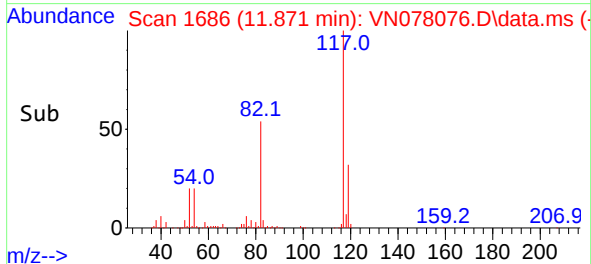
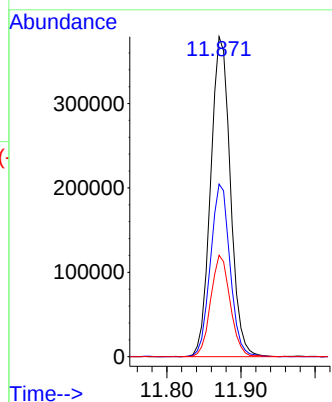
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602



Tgt Ion:117 Resp: 700282

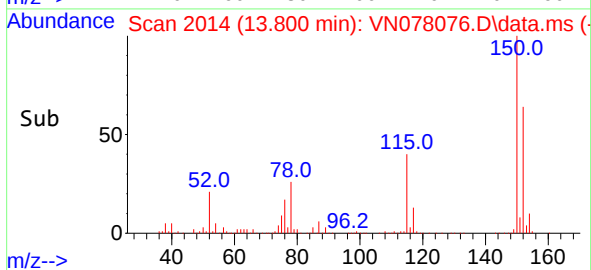
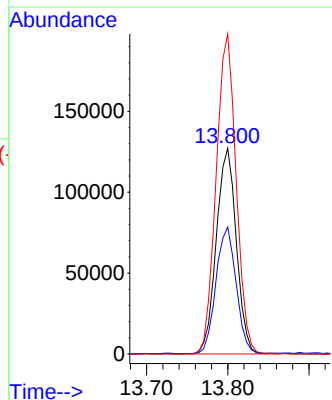
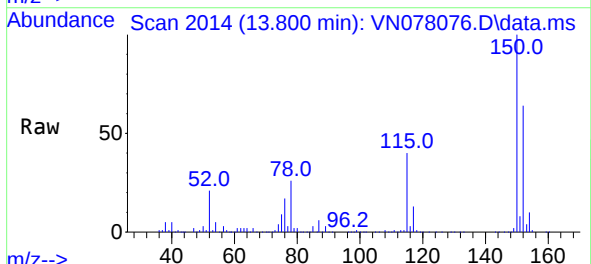
Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.0	66.0
119	31.7	25.6	38.4

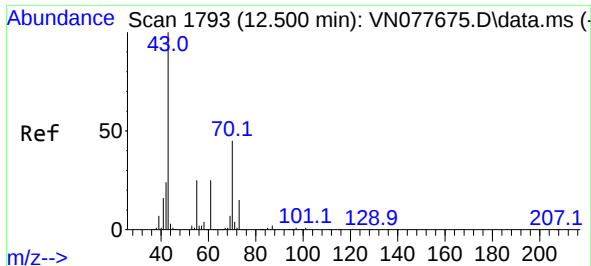


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion:152 Resp: 218478

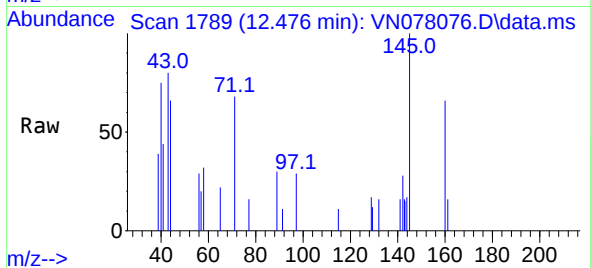
Ion	Ratio	Lower	Upper
152	100		
115	61.6	32.3	96.8
150	155.1	0.0	355.8



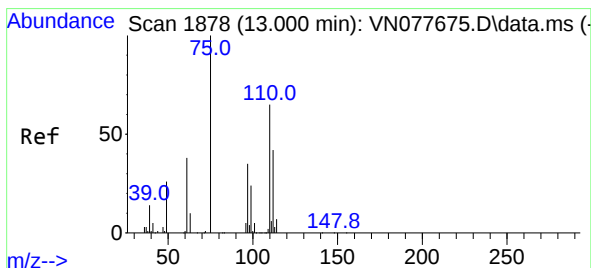
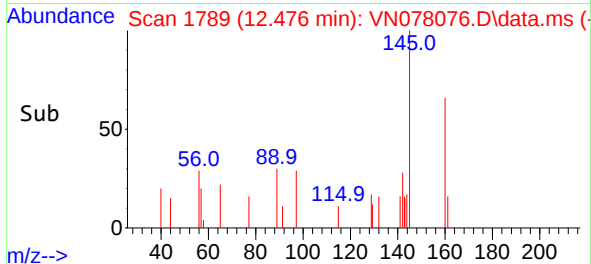
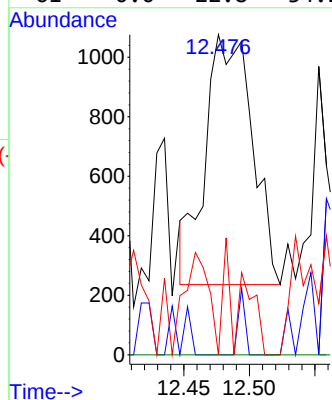


#74
N-amy1 acetate
Concen: 0.300 ug/l
RT: 12.476 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

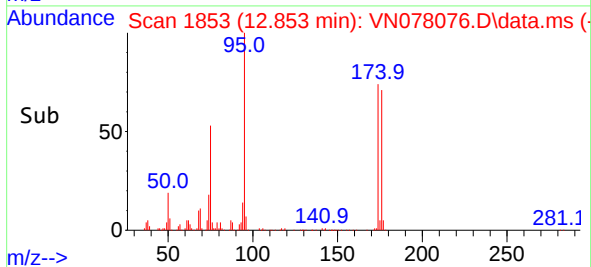
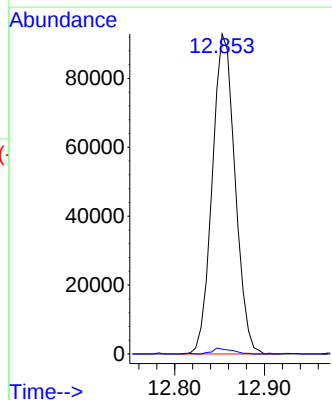
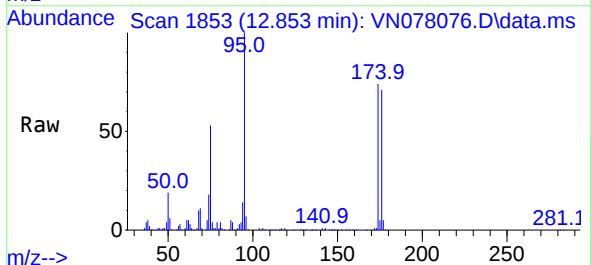


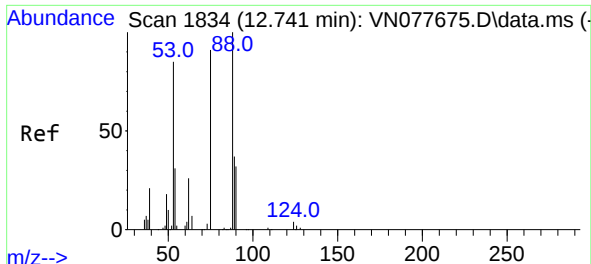
Tgt Ion: 43	Resp: 2091
Ion Ratio	Lower Upper
43 100	
70 0.0	43.4 65.2#
55 6.6	21.4 32.0#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 29.921 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion: 75	Resp: 163710
Ion Ratio	Lower Upper
75 100	
77 1.6	84.5 253.5#

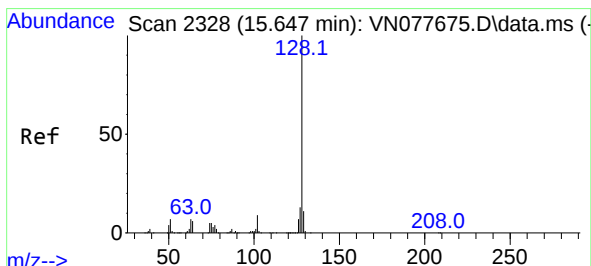
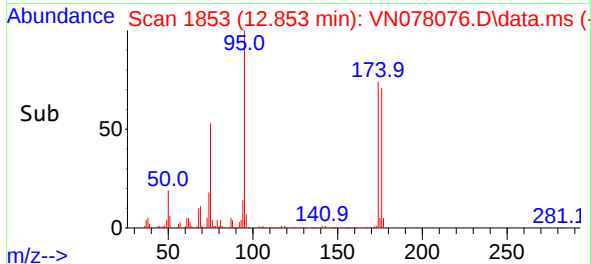
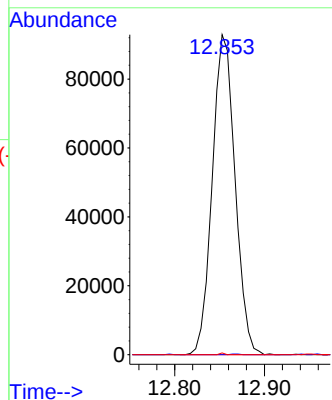
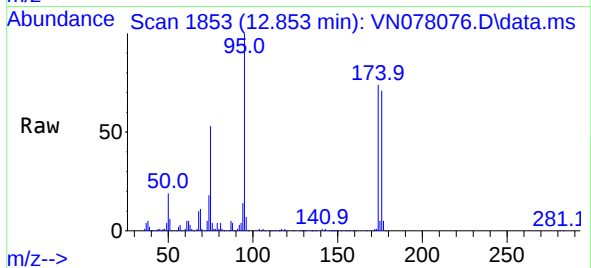




#81
trans-1,4-Dichloro-2-butene
Concen: 95.642 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :
PL-STONE-0602

Tgt Ion: 75 Resp: 163710
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.1 38.8 58.2#



#95
Naphthalene
Concen: 0.250 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078076.D
Acq: 06 Jun 2023 17:36

Tgt Ion:128 Resp: 3732
Ion Ratio Lower Upper
128 100
127 9.2 10.0 15.0#
129 8.2 8.7 13.1#

