

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081542.D
 Acq On : 22 Mar 2024 12:52
 Operator : JC\MD
 Sample : P1798-06DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-6DL

Quant Time: Mar 23 00:12:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

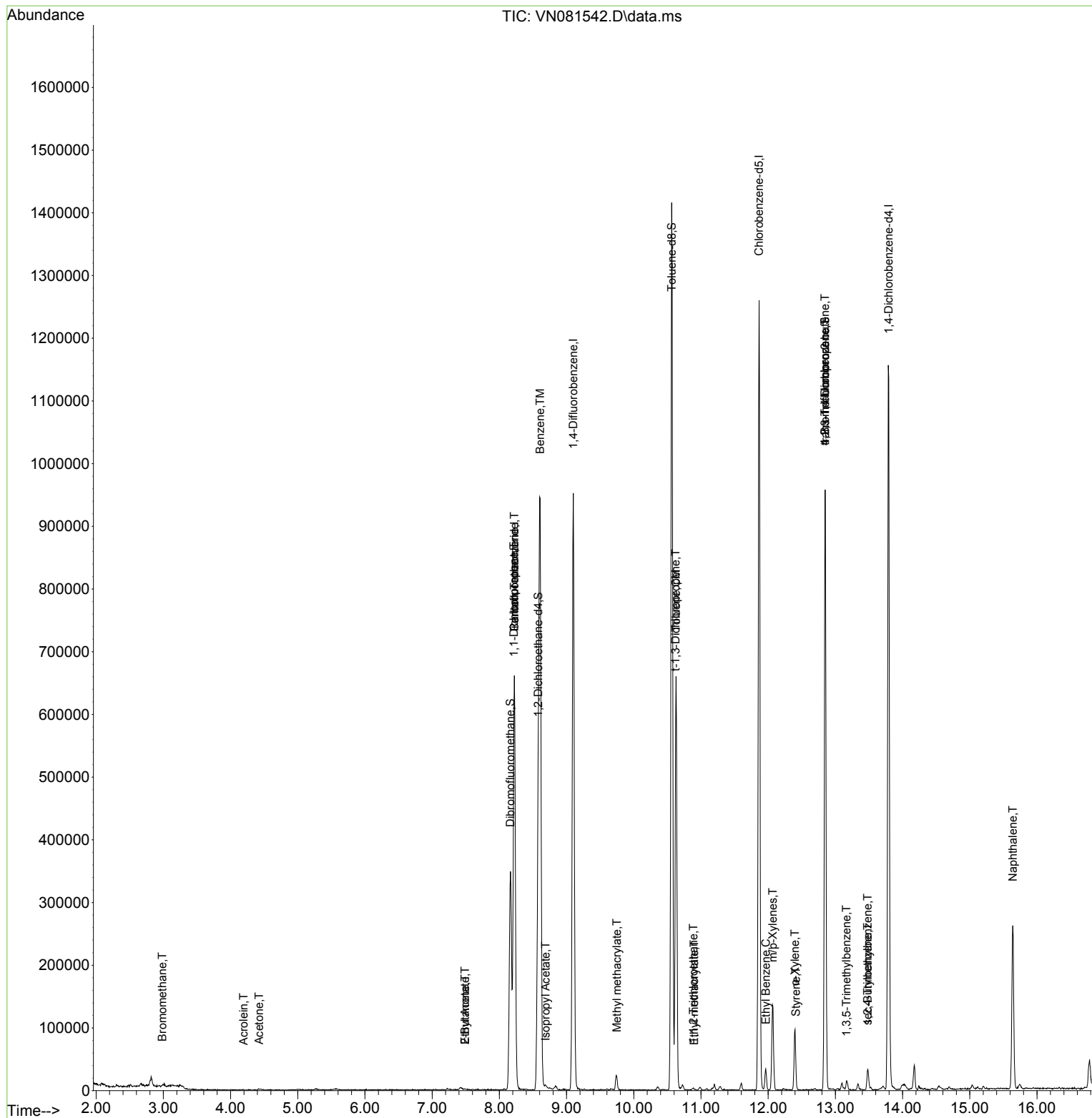
Internal Standards						
1) Pentafluorobenzene	8.224	168	477866	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	837484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	748755	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	316648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	303431	49.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.580%		
35) Dibromofluoromethane	8.165	113	253716	48.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.000%		
50) Toluene-d8	10.565	98	988632	51.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.480%		
62) 4-Bromofluorobenzene	12.847	95	322139	47.850	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	95.700%		
Target Compounds					Qvalue	
5) Bromomethane	2.983	94	1225	0.241	ug/l	# 48
13) Acrolein	4.195	56	341	0.358	ug/l	# 38
16) Acetone	4.424	43	1824	0.926	ug/l	98
25) 2-Butanone	7.488	43	1974	0.584	ug/l	91
36) 1,1-Dichloropropene	8.218	75	40352	4.537	ug/l	# 50
37) Ethyl Acetate	7.488	43	1974	0.259	ug/l	# 70
38) Carbon Tetrachloride	8.224	117	51172	5.252	ug/l	# 17
40) Benzene	8.606	78	922224	35.464	ug/l	94
43) Isopropyl Acetate	8.688	43	5182	0.410	ug/l	# 76
48) Methyl methacrylate	9.747	41	2721	0.467	ug/l	# 32
52) Toluene	10.629	92	287111	17.371	ug/l	99
53) t-1,3-Dichloropropene	10.624	75	3653	0.362	ug/l	# 1
55) 1,1,2-Trichloroethane	10.888	97	2562	0.385	ug/l	# 13
56) Ethyl methacrylate	10.900	69	53	0.576	ug/l	# 20
67) Ethyl Benzene	11.965	91	22100	0.719	ug/l	100
68) m/p-Xylenes	12.071	106	43727	3.794	ug/l	92
69) o-Xylene	12.400	106	24826	2.194	ug/l	97
70) Styrene	12.412	104	5011	0.275	ug/l	# 29
76) 1,2,3-Trichloropropane	12.847	75	172868	22.823	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.165	105	7735	0.347	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.847	75	172868	61.675	ug/l	# 14
84) 1,2,4-Trimethylbenzene	13.482	105	21071	0.940	ug/l	93
85) sec-Butylbenzene	13.482	105	21071	0.767	ug/l	# 60
95) Naphthalene	15.641	128	253964	11.496	ug/l	99

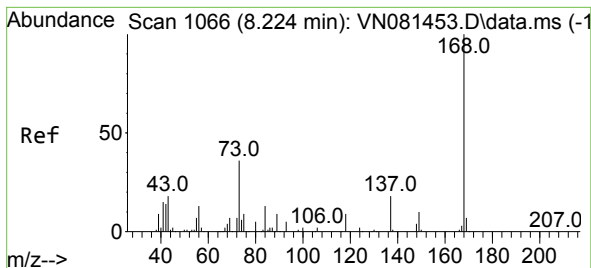
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

Instrument :

MSVOA_N

ClientSampleId :

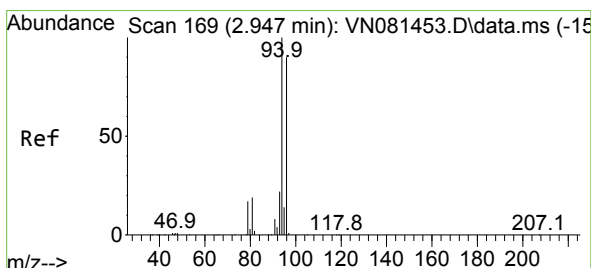
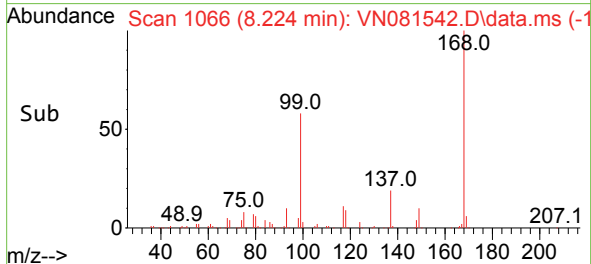
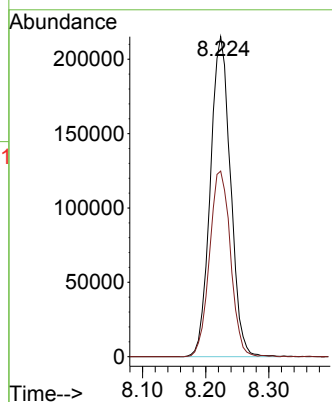
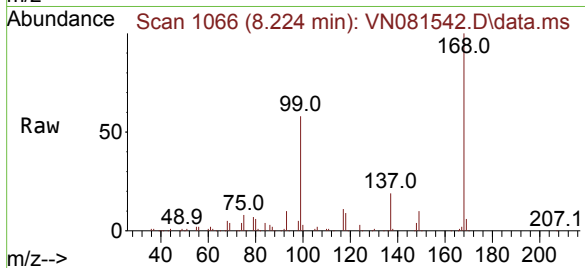
S-6DL

Tgt Ion:168 Resp: 477866

Ion Ratio Lower Upper

168 100

99 58.0 59.9 89.9#



#5

Bromomethane

Concen: 0.241 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN081542.D

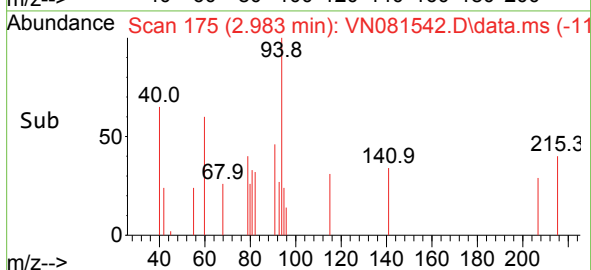
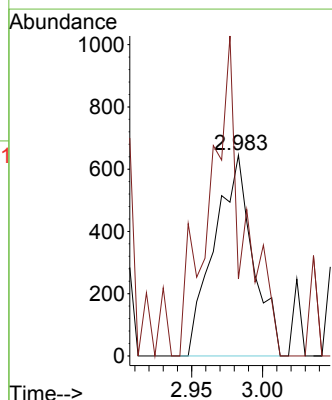
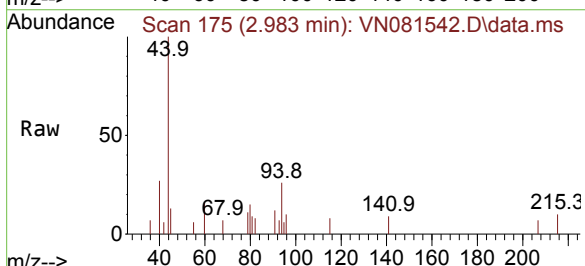
Acq: 22 Mar 2024 12:52

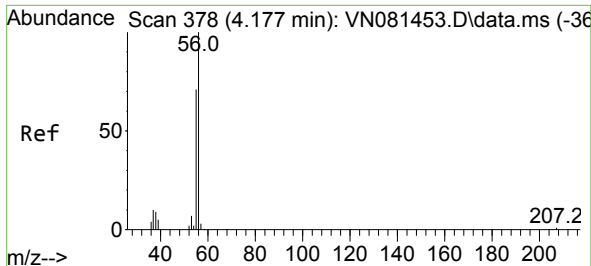
Tgt Ion: 94 Resp: 1225

Ion Ratio Lower Upper

94 100

96 38.3 69.2 103.8#

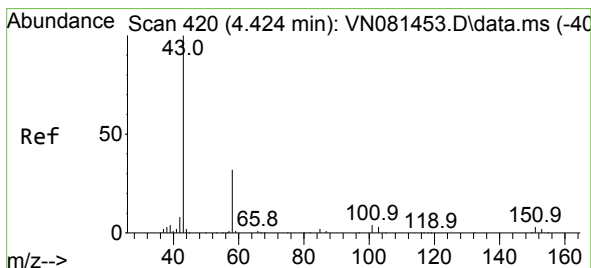
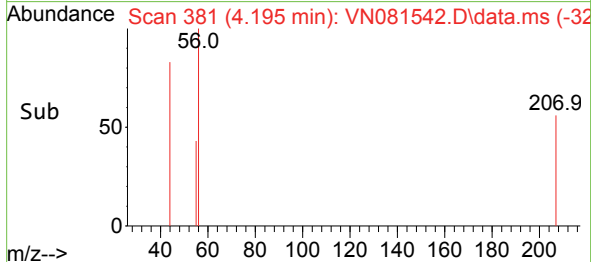
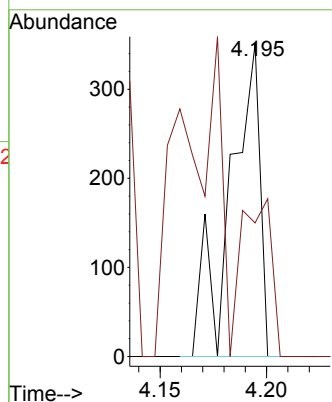
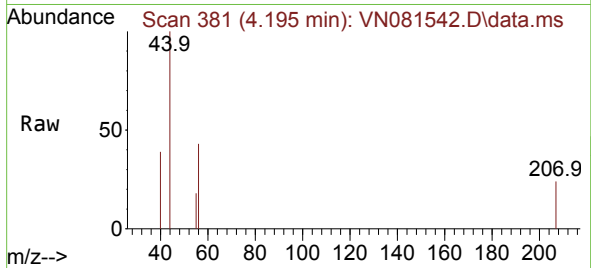




#13
Acrolein
Concen: 0.358 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

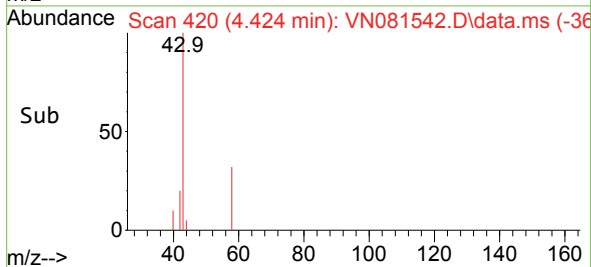
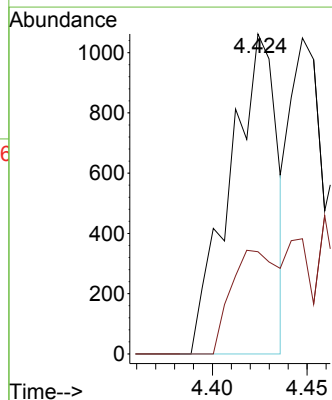
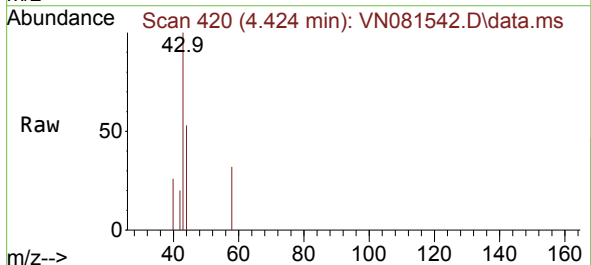
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

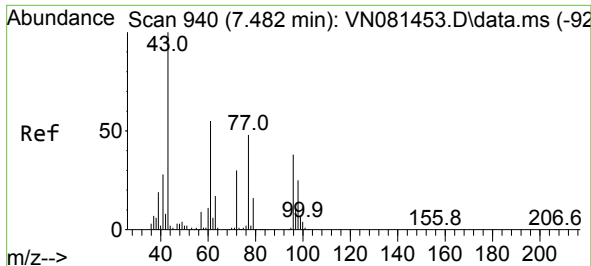
Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 18.2 55.3 82.9#



#16
Acetone
Concen: 0.926 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
58 31.9 24.8 37.2

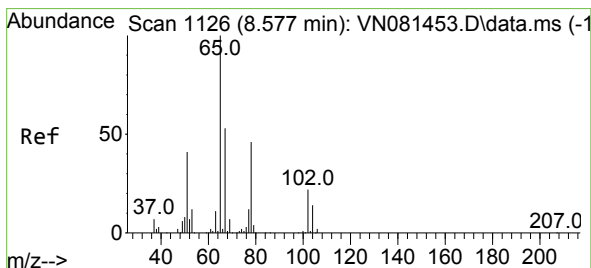
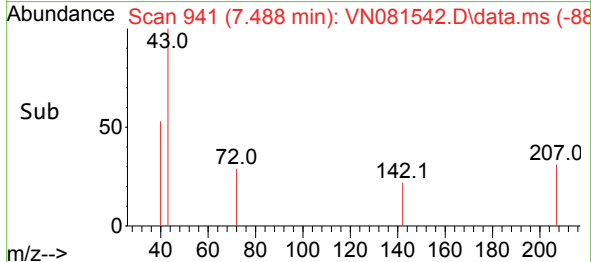
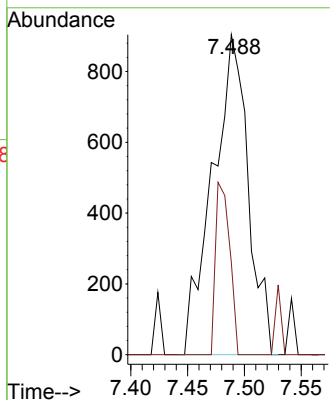
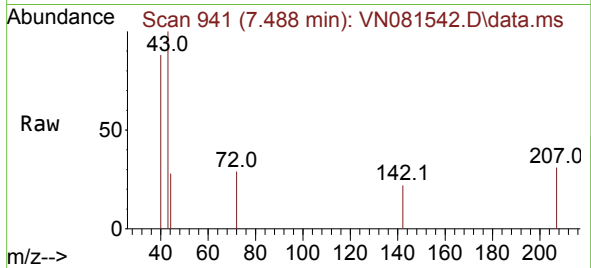




#25
2-Butanone
Concen: 0.584 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

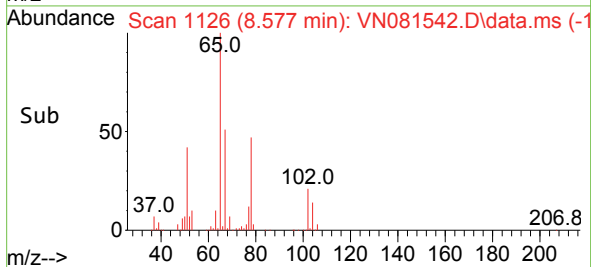
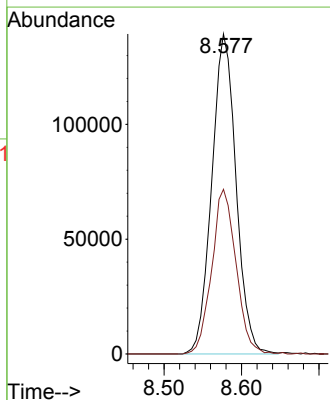
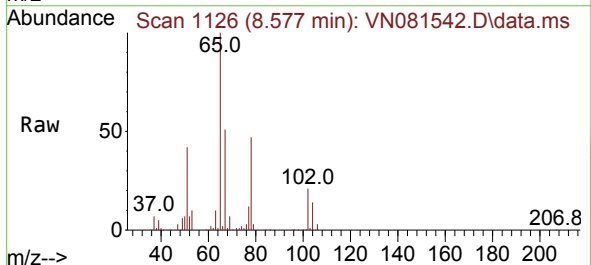
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

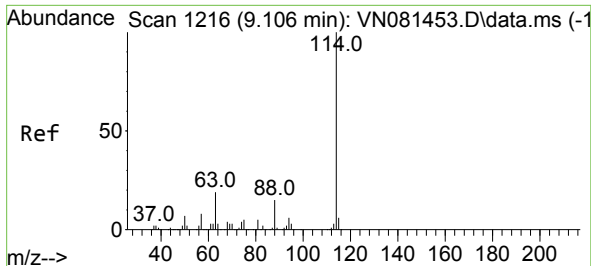
Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
72 28.9 19.5 29.3



#33
1,2-Dichloroethane-d4
Concen: 49.791 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 65 Resp: 303431
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

Instrument :

MSVOA_N

ClientSampleId :

S-6DL

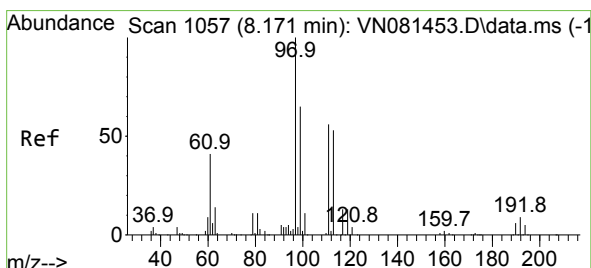
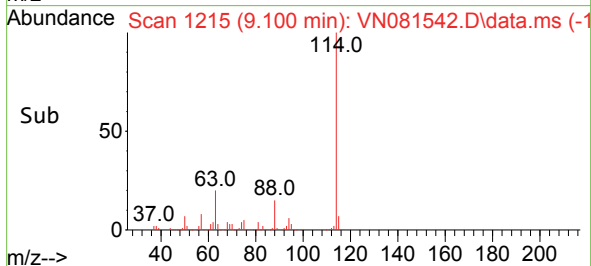
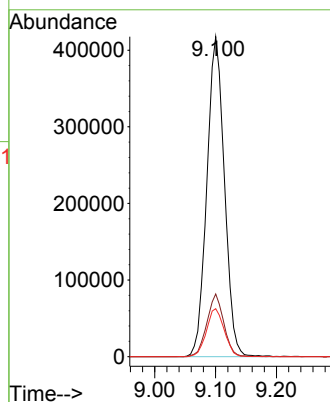
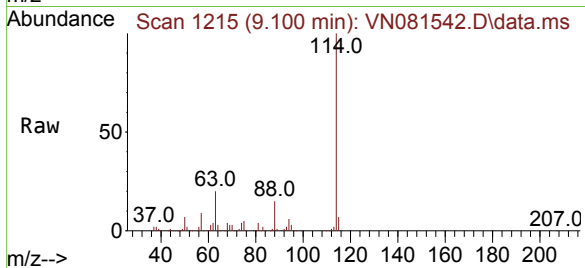
Tgt Ion:114 Resp: 837484

Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 15.0 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.003 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

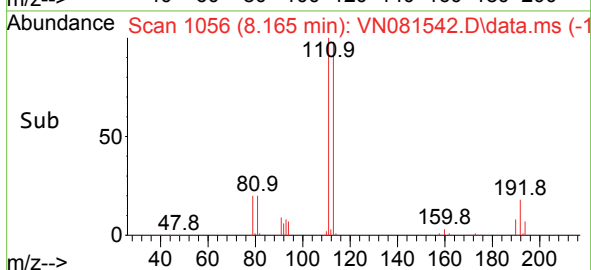
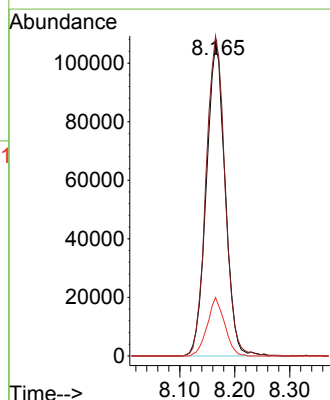
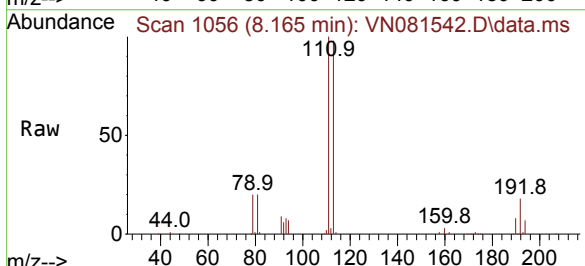
Tgt Ion:113 Resp: 253716

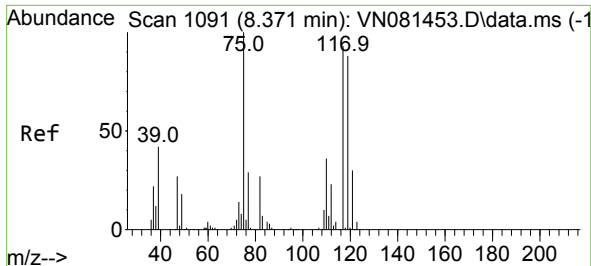
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 17.3 12.5 18.7

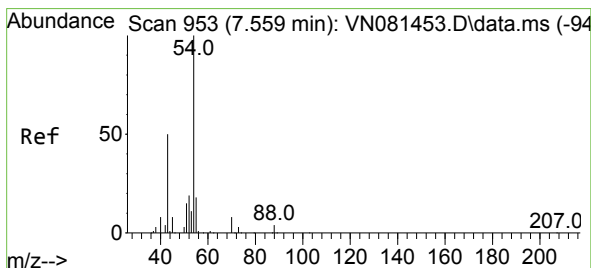
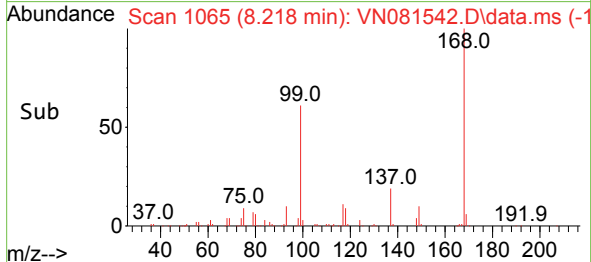
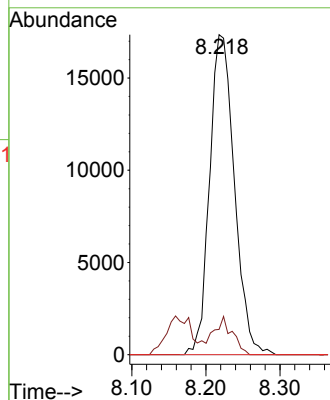
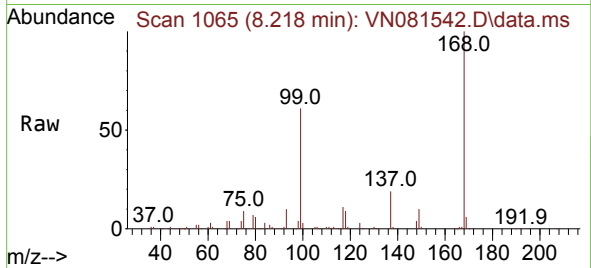




#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

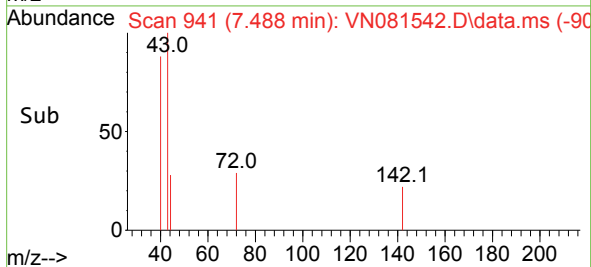
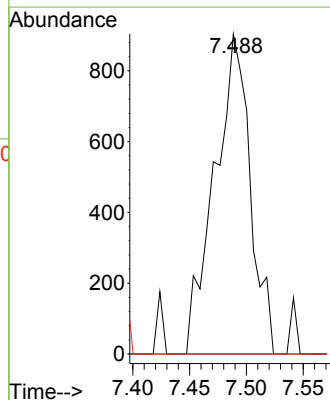
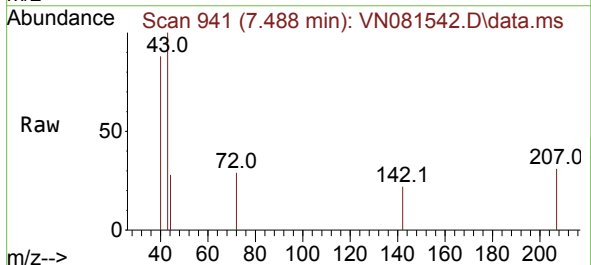
Instrument :
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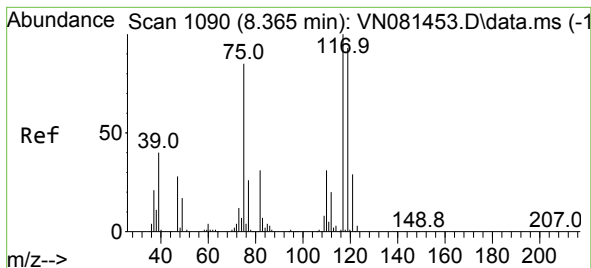
Tgt Ion: 75 Resp: 40352
Ion Ratio Lower Upper
75 100
110 8.7 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.259 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.070 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 43 Resp: 1974
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.252 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

Instrument :

MSVOA_N

ClientSampleId :

S-6DL

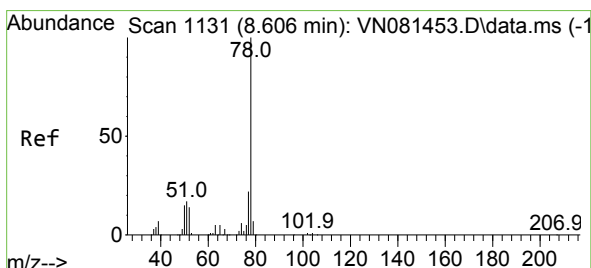
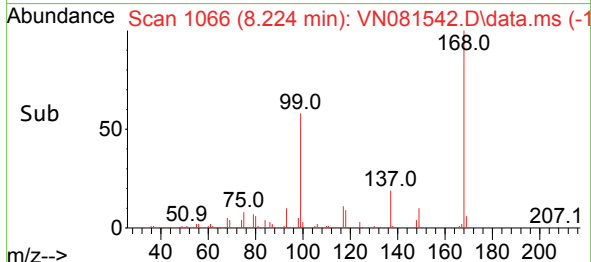
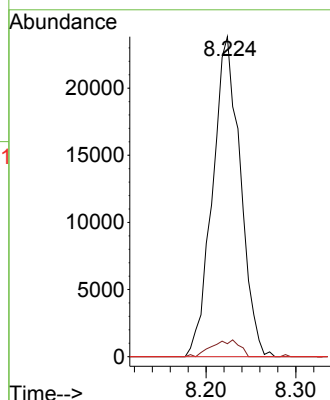
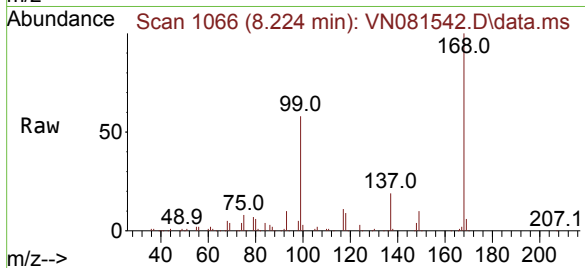
Tgt Ion:117 Resp: 51172

Ion Ratio Lower Upper

117 100

119 4.0 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 35.464 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081542.D

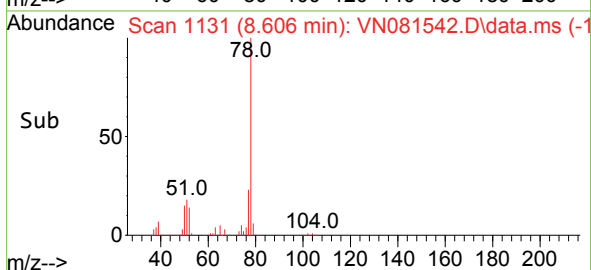
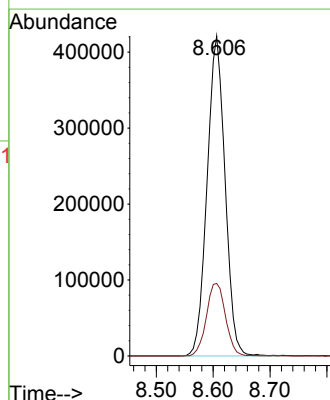
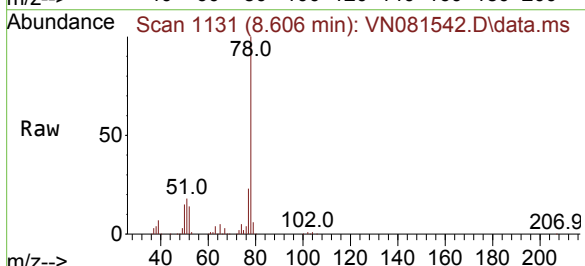
Acq: 22 Mar 2024 12:52

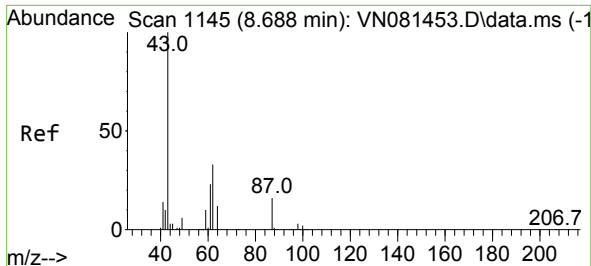
Tgt Ion: 78 Resp: 922224

Ion Ratio Lower Upper

78 100

77 22.6 20.4 30.6

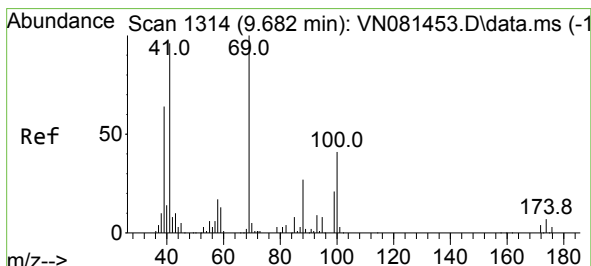
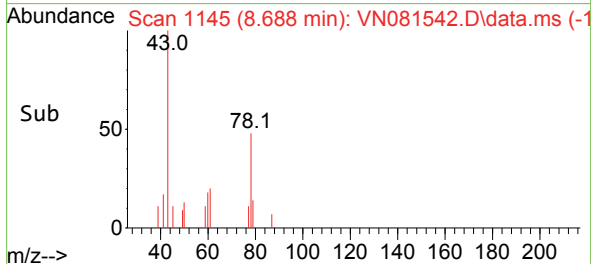
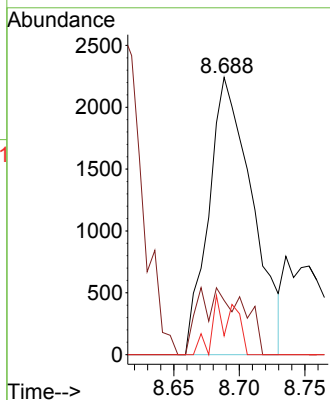
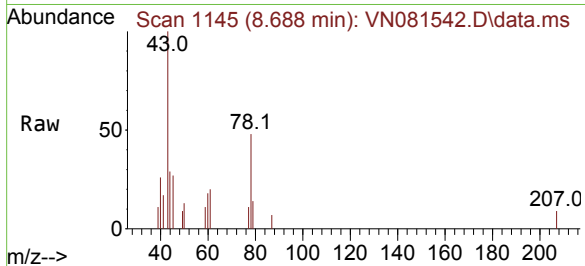




#43
Isopropyl Acetate
Concen: 0.410 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

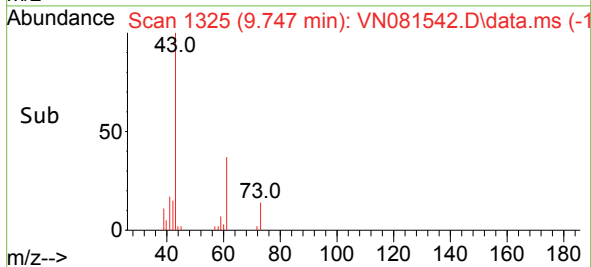
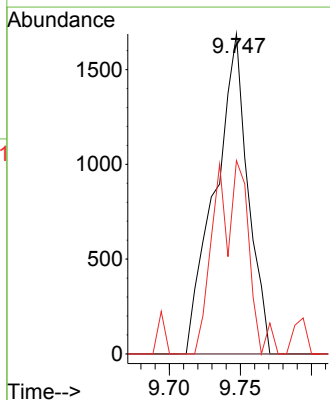
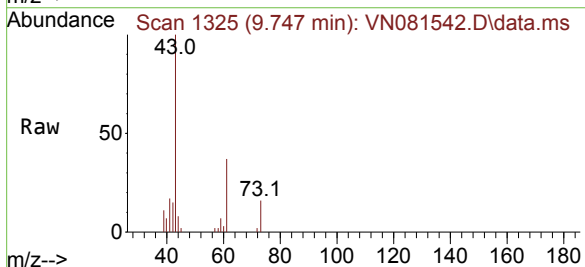
Instrument :
MSVOA_N
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S-6DL

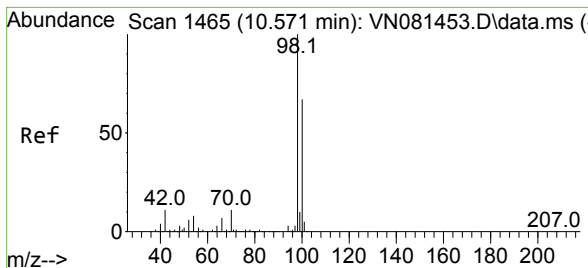
Tgt Ion: 43 Resp: 5182
Ion Ratio Lower Upper
43 100
61 7.6 19.9 29.9#
87 10.5 9.0 13.6



#48
Methyl methacrylate
Concen: 0.467 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 41 Resp: 2721
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 30.2 47.6 71.4#

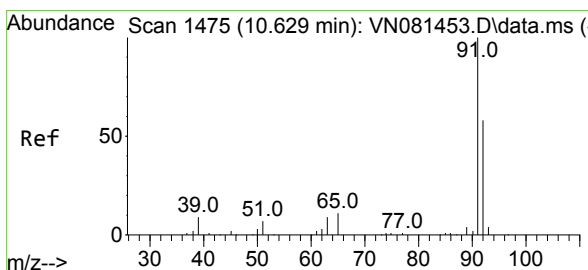
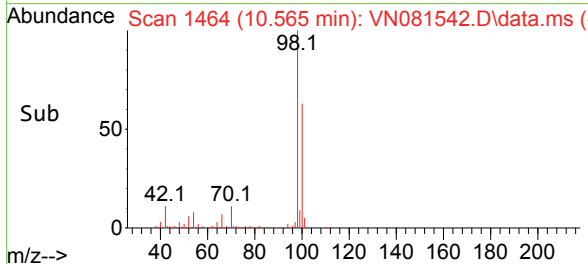
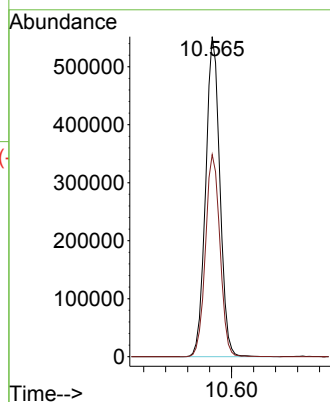
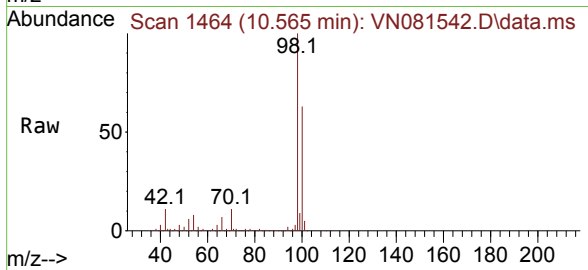




#50
Toluene-d8
Concen: 51.745 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

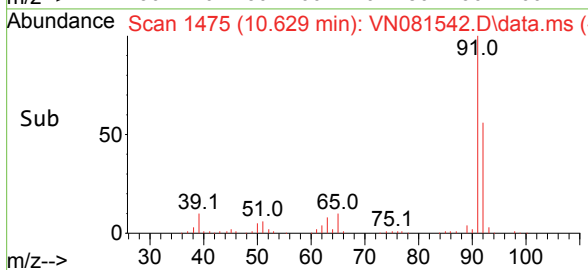
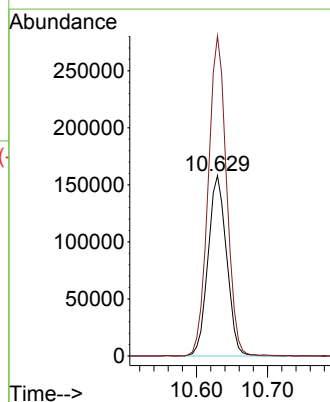
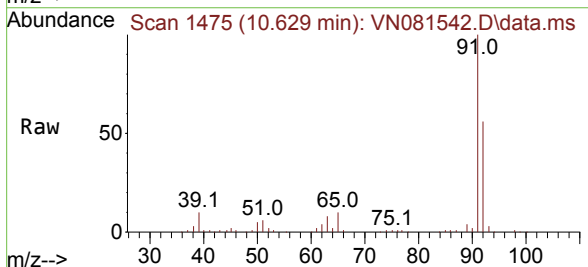
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

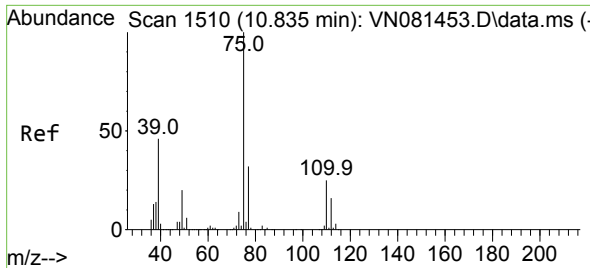
Tgt Ion: 98 Resp: 988632
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#52
Toluene
Concen: 17.371 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 92 Resp: 287111
Ion Ratio Lower Upper
92 100
91 175.5 139.4 209.0

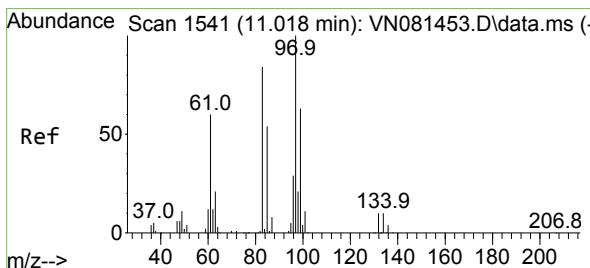
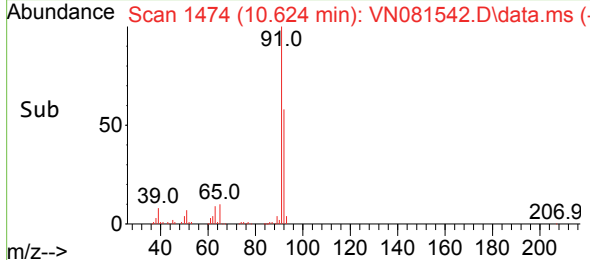
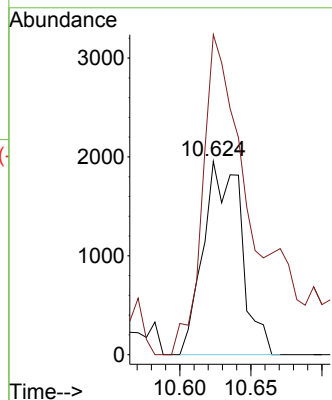
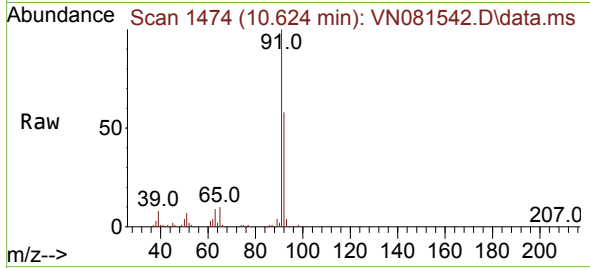




#53
t-1,3-Dichloropropene
Concen: 0.362 ug/l
RT: 10.624 min Scan# 14
Delta R.T. -0.212 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

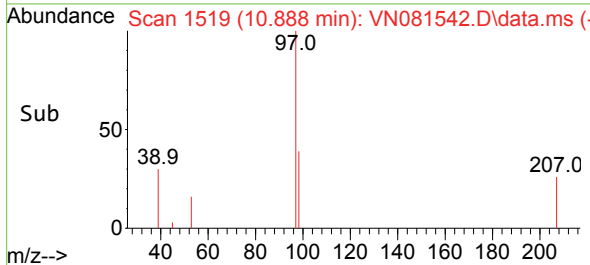
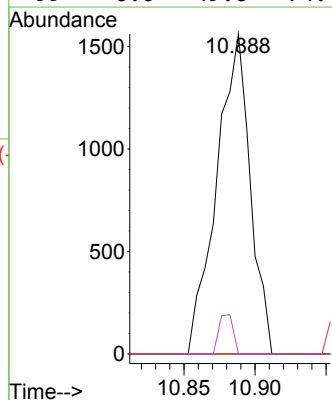
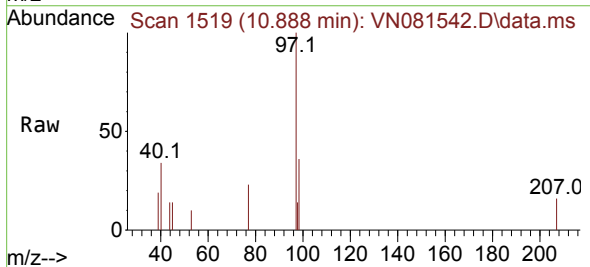
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

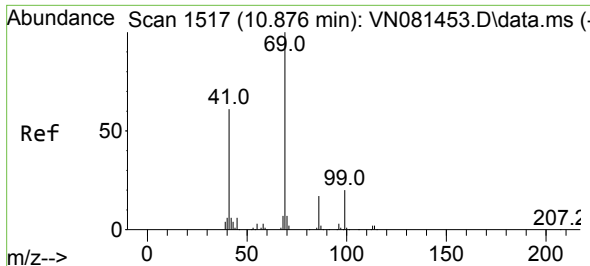
Tgt Ion: 75 Resp: 3653
Ion Ratio Lower Upper
75 100
77 149.4 25.5 38.3#



#55
1,1,2-Trichloroethane
Concen: 0.385 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. -0.129 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 97 Resp: 2562
Ion Ratio Lower Upper
97 100
83 0.0 72.9 109.3#
85 0.0 50.2 75.2#
99 0.0 49.6 74.4#

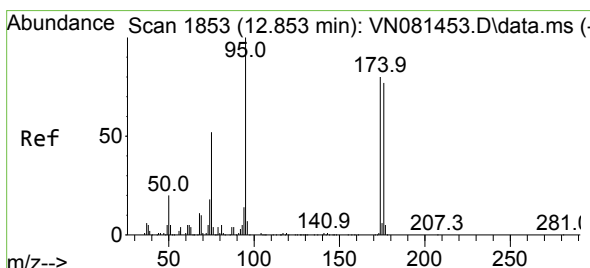
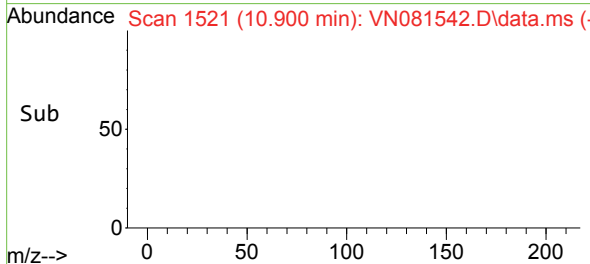
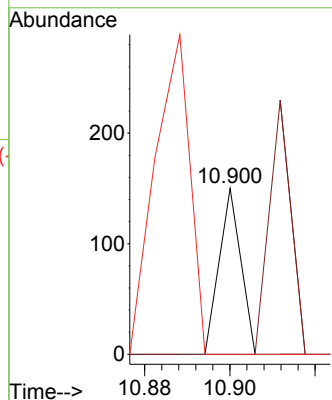
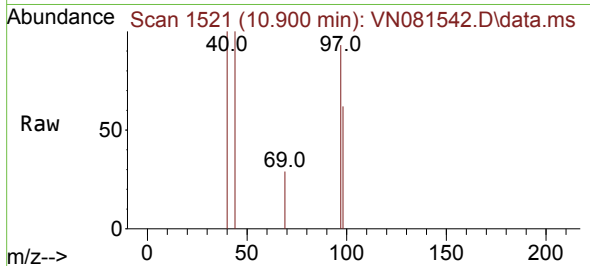




#56
Ethyl methacrylate
Concen: 0.576 ug/l
RT: 10.900 min Scan# 1517
Delta R.T. 0.024 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

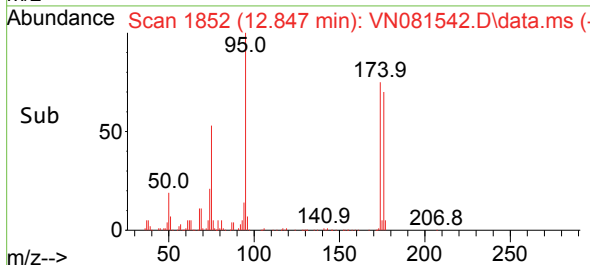
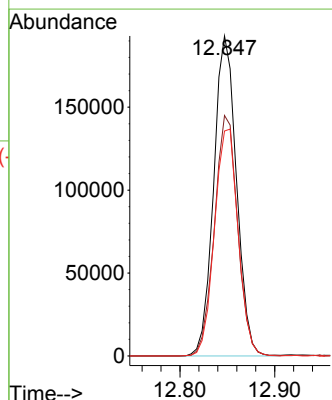
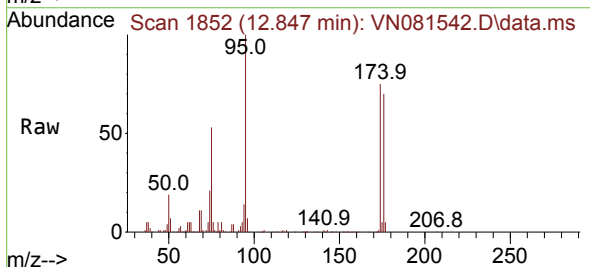
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

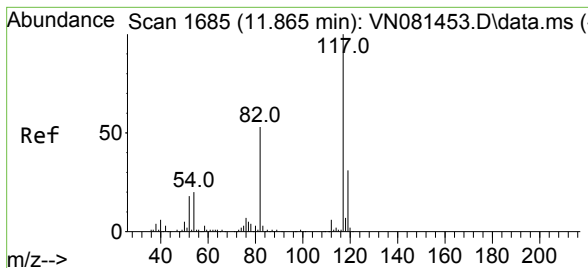
Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 47.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 95 Resp: 322139
Ion Ratio Lower Upper
95 100
174 76.6 0.0 120.4
176 73.7 0.0 121.0

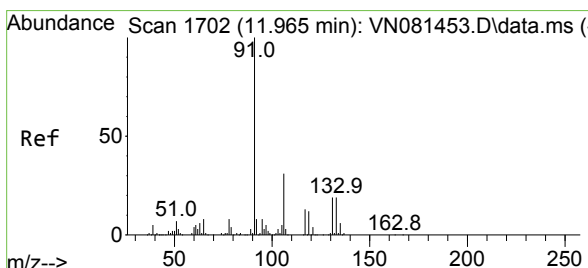
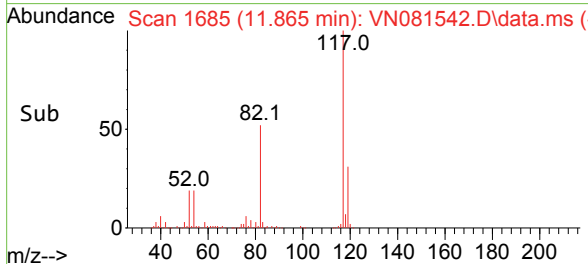
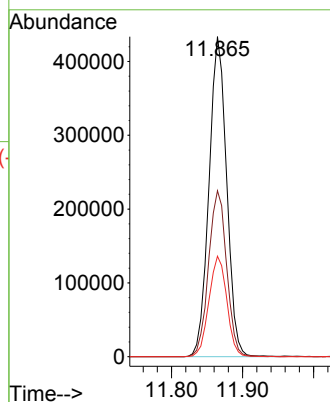
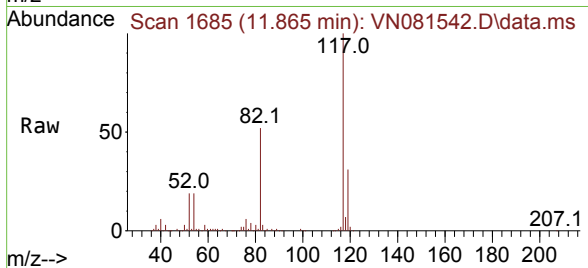




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

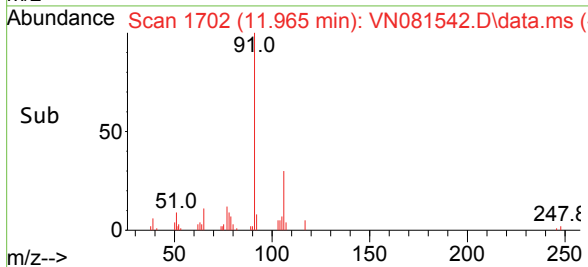
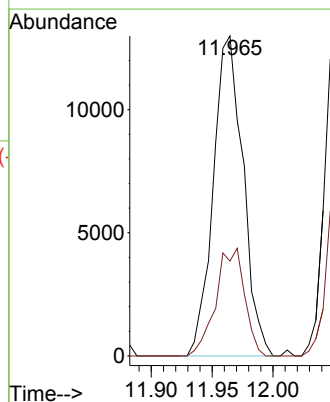
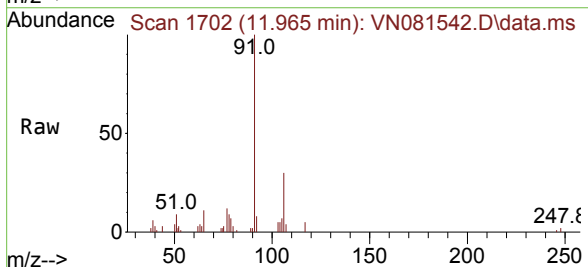
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

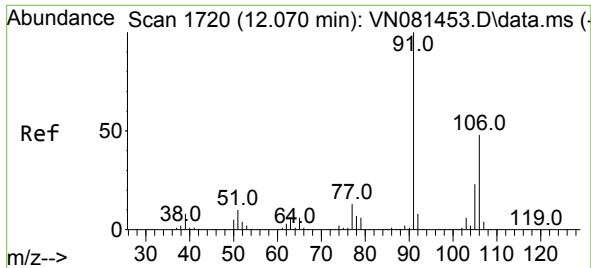
Tgt Ion:117 Resp: 748755
Ion Ratio Lower Upper
117 100
82 51.9 52.7 79.1#
119 31.4 25.3 37.9



#67
Ethyl Benzene
Concen: 0.719 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion: 91 Resp: 22100
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

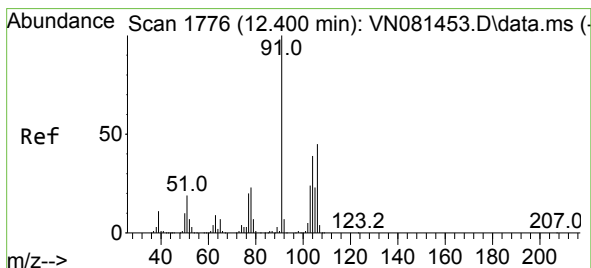
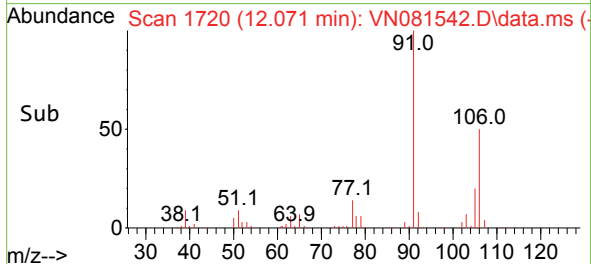
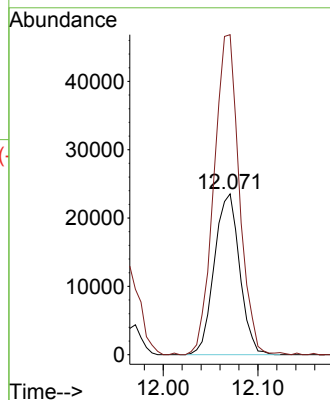
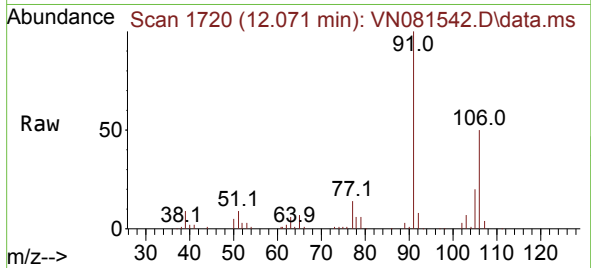




#68
m/p-Xylenes
Concen: 3.794 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

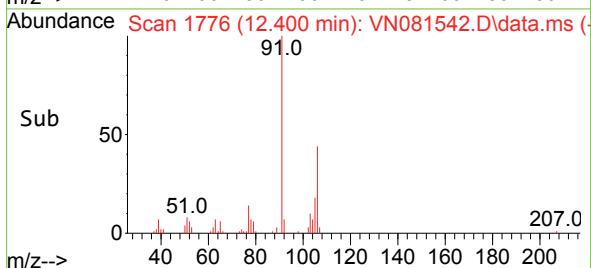
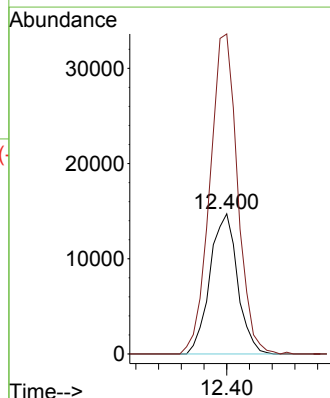
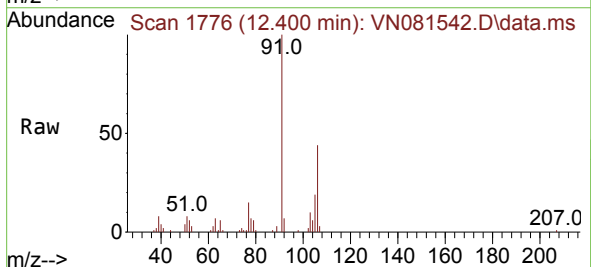
Instrument :
MSVOA_N
ClientSampleId :
S-6DL

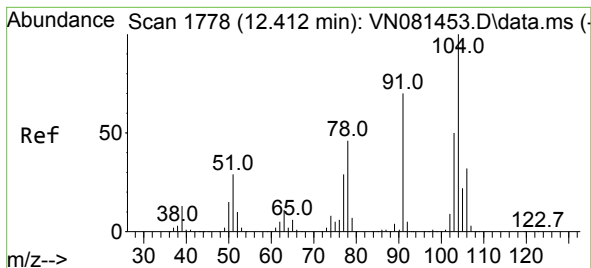
Tgt Ion:106 Resp: 43727
Ion Ratio Lower Upper
106 100
91 199.4 169.0 253.6



#69
o-Xylene
Concen: 2.194 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081542.D
Acq: 22 Mar 2024 12:52

Tgt Ion:106 Resp: 24826
Ion Ratio Lower Upper
106 100
91 229.0 112.1 336.3





#70

Styrene

Concen: 0.275 ug/l

RT: 12.412 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

Instrument :

MSVOA_N

ClientSampleId :

S-6DL

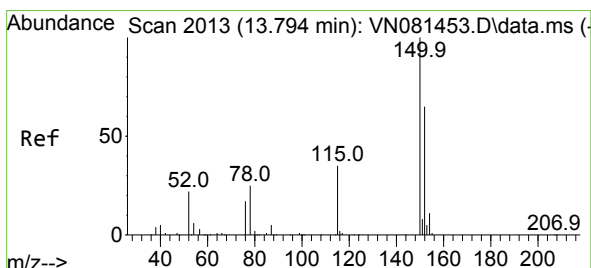
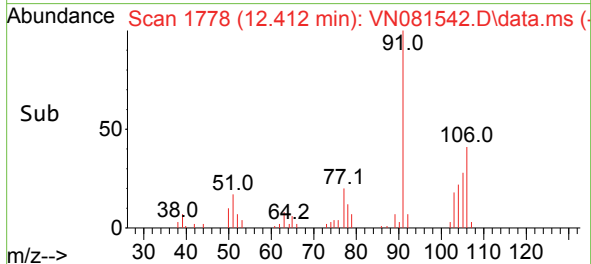
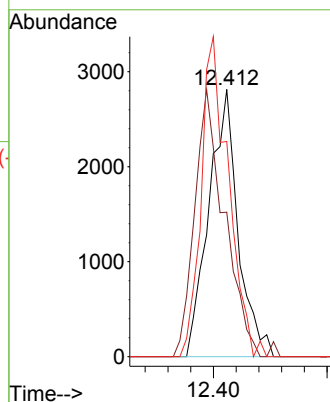
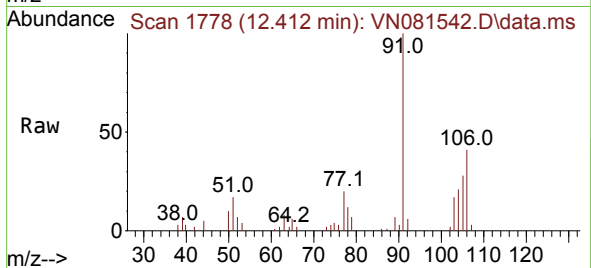
Tgt Ion:104 Resp: 5011

Ion Ratio Lower Upper

104 100

78 101.8 43.8 65.8#

103 111.3 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081542.D

Acq: 22 Mar 2024 12:52

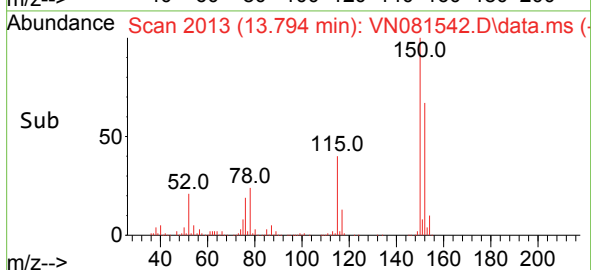
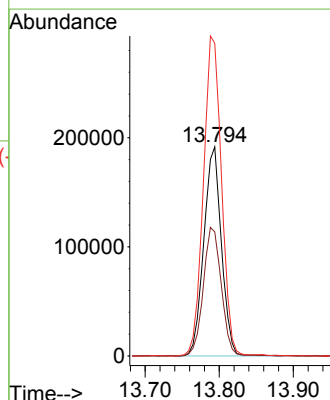
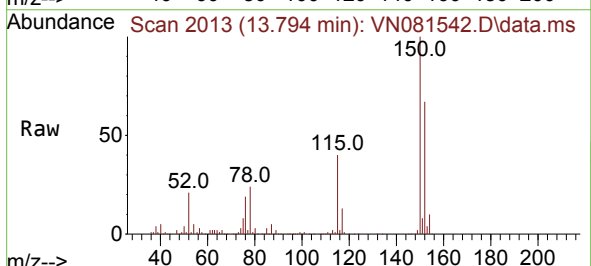
Tgt Ion:152 Resp: 316648

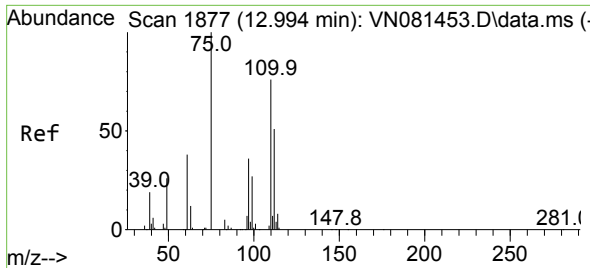
Ion Ratio Lower Upper

152 100

115 62.8 32.3 96.8

150 156.8 0.0 339.8

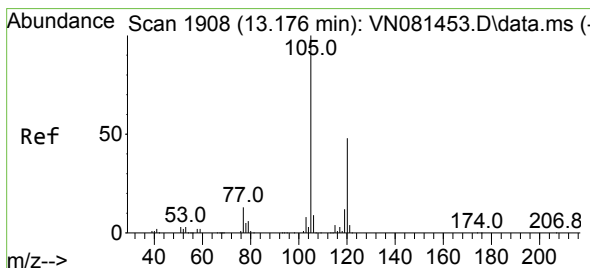
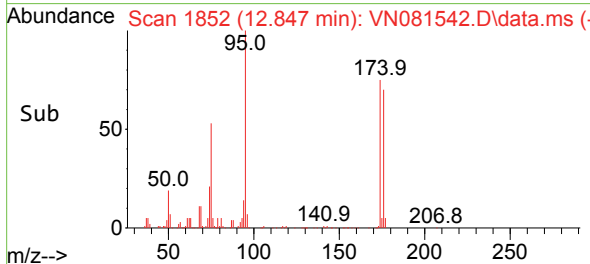
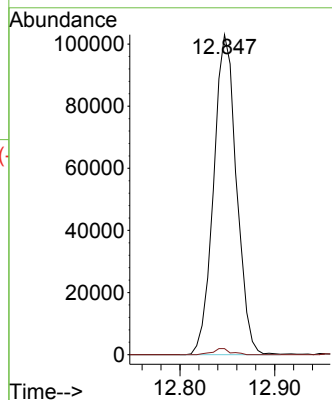
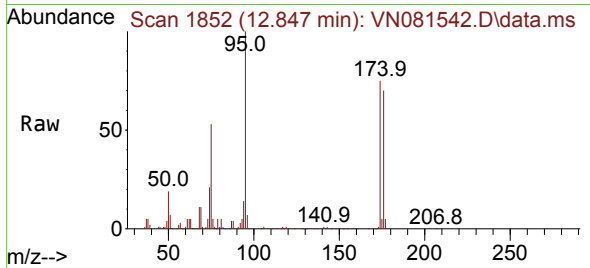




#76
 1,2,3-Trichloropropane
 Concen: 22.823 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

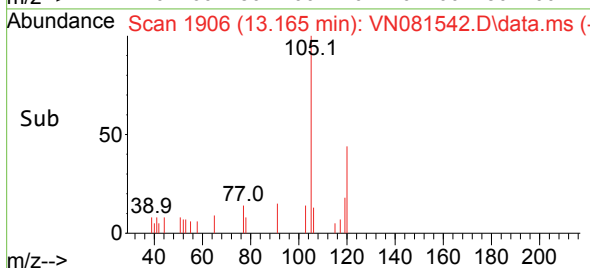
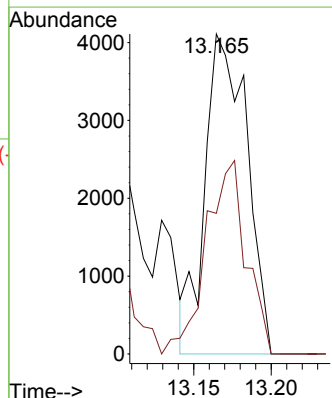
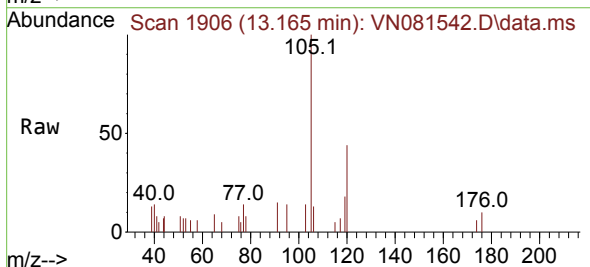
Instrument :
 MSVOA_N
 ClientSampleId :
 S-6DL

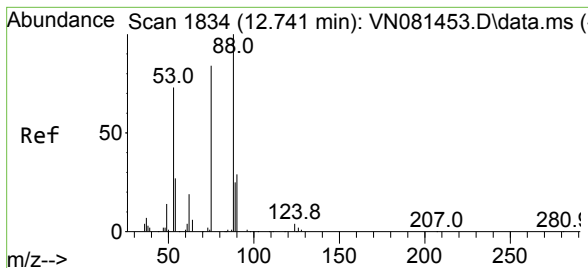
Tgt Ion: 75 Resp: 172868
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.347 ug/l
 RT: 13.165 min Scan# 1906
 Delta R.T. -0.012 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

Tgt Ion: 105 Resp: 7735
 Ion Ratio Lower Upper
 105 100
 120 57.6 23.0 69.0

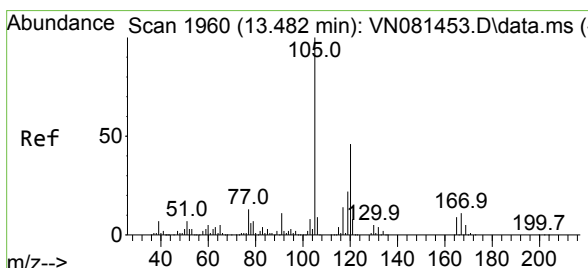
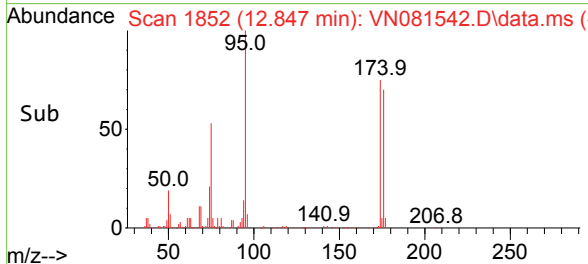
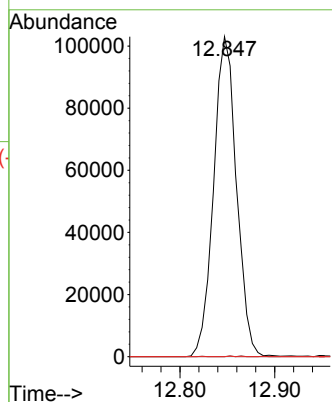
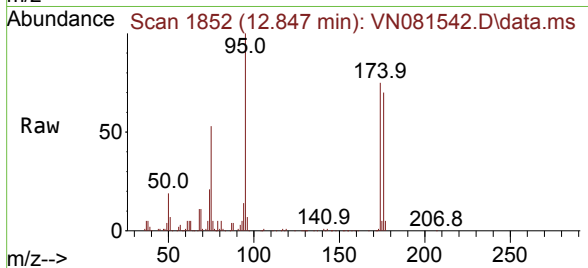




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.675 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

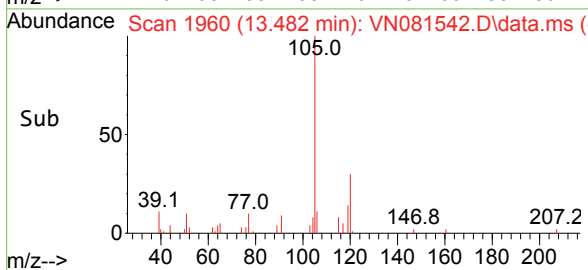
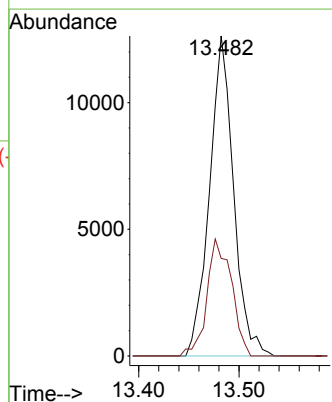
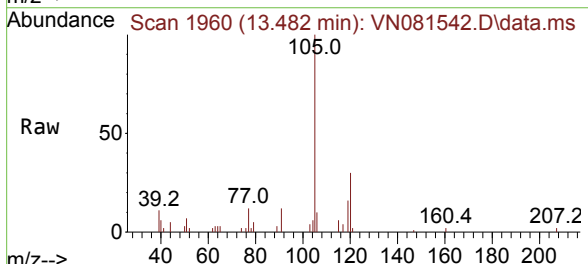
Instrument :
 MSVOA_N
 ClientSampleId :
 S-6DL

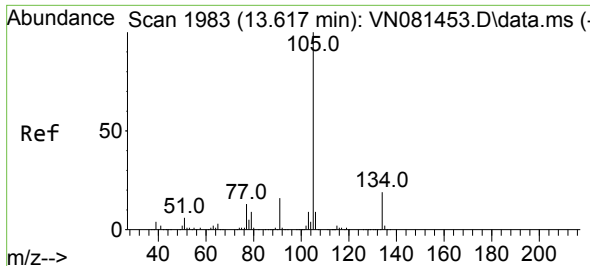
Tgt Ion: 75 Resp: 172868
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.940 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

Tgt Ion: 105 Resp: 21071
 Ion Ratio Lower Upper
 105 100
 120 37.2 20.9 62.7

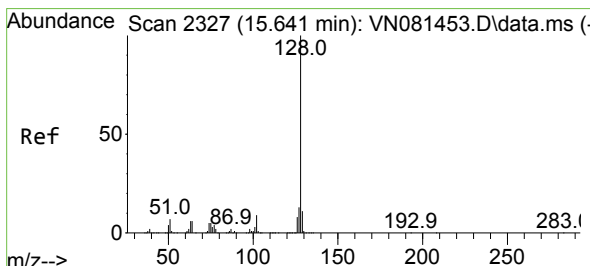
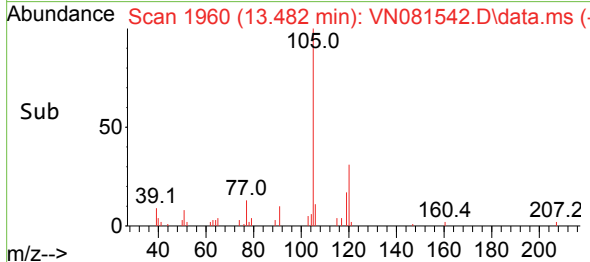
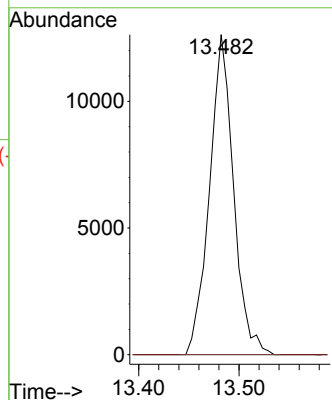
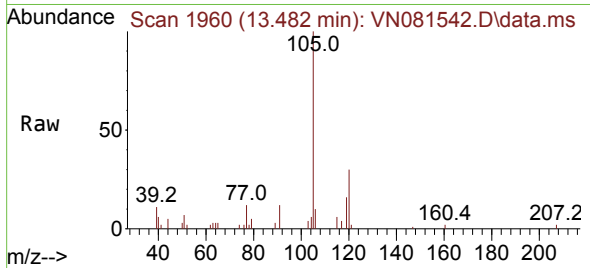




#85
 sec-Butylbenzene
 Concen: 0.767 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 S-6DL

Tgt Ion:105 Resp: 21071
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#



#95
 Naphthalene
 Concen: 11.496 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN081542.D
 Acq: 22 Mar 2024 12:52

Tgt Ion:128 Resp: 253964
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.0 15.0
 129 11.0 8.7 13.1

