

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032224\
 Data File : VN081544.D
 Acq On : 22 Mar 2024 13:39
 Operator : JC\MD
 Sample : P1798-11DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-11DL

Quant Time: Mar 23 00:13:39 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)

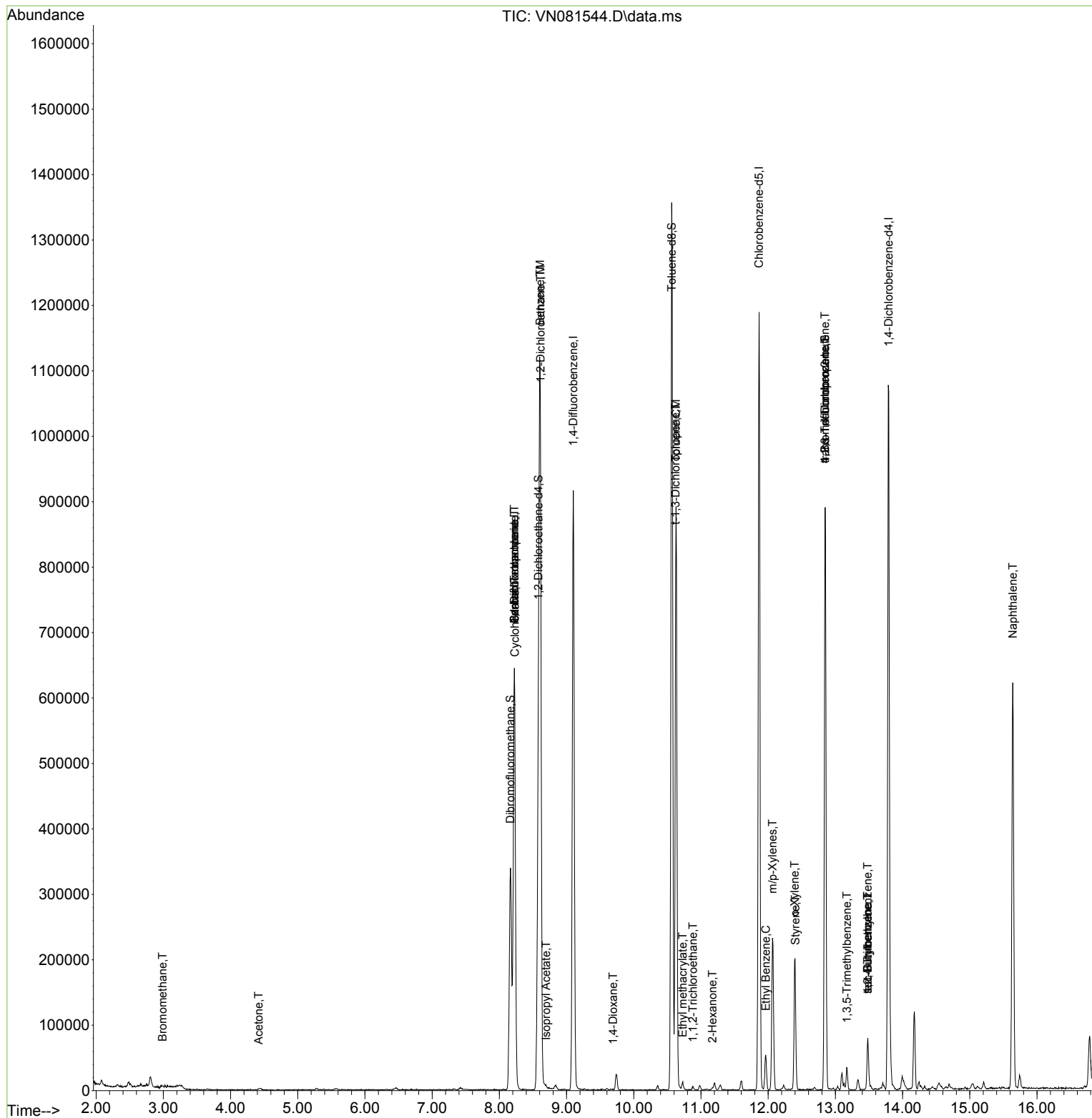
Internal Standards						
1) Pentafluorobenzene	8.224	168	468740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	824143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	706501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	298153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	292502	48.932	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.860%		
35) Dibromofluoromethane	8.165	113	249339	47.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.880%		
50) Toluene-d8	10.565	98	955271	50.808	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.620%		
62) 4-Bromofluorobenzene	12.847	95	309147	46.664	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	93.320%		
Target Compounds					Qvalue	
5) Bromomethane	2.989	94	1343	0.269	ug/l	94
16) Acetone	4.418	43	2045	1.059	ug/l #	44
31) Cyclohexane	8.230	56	13080	1.345	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	38772	4.430	ug/l #	46
38) Carbon Tetrachloride	8.224	117	50859	5.304	ug/l #	20
40) Benzene	8.606	78	1135769	44.383	ug/l	95
42) 1,2-Dichloroethane	8.612	62	11678	1.297	ug/l #	75
43) Isopropyl Acetate	8.694	43	5998	0.483	ug/l #	63
49) 1,4-Dioxane	9.694	88	59	0.428	ug/l #	1
52) Toluene	10.629	92	396261	24.363	ug/l	100
53) t-1,3-Dichloropropene	10.624	75	4368	0.439	ug/l #	1
55) 1,1,2-Trichloroethane	10.882	97	4209	0.643	ug/l #	15
56) Ethyl methacrylate	10.729	69	95	0.581	ug/l #	1
59) 2-Hexanone	11.171	43	2593	0.463	ug/l #	26
67) Ethyl Benzene	11.965	91	40452	1.394	ug/l	95
68) m/p-Xylenes	12.065	106	76166	7.003	ug/l	97
69) o-Xylene	12.394	106	53862	5.044	ug/l	99
70) Styrene	12.406	104	9453	0.549	ug/l #	12
76) 1,2,3-Trichloropropane	12.847	75	160847	22.553	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	15992	0.762	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.847	75	160847	60.945	ug/l #	14
83) tert-Butylbenzene	13.482	119	5291	0.292	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.482	105	44952	2.131	ug/l	98
85) sec-Butylbenzene	13.482	105	44952	1.737	ug/l #	60
95) Naphthalene	15.641	128	585036	28.125	ug/l	99

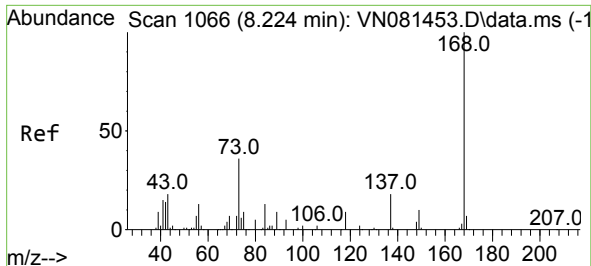
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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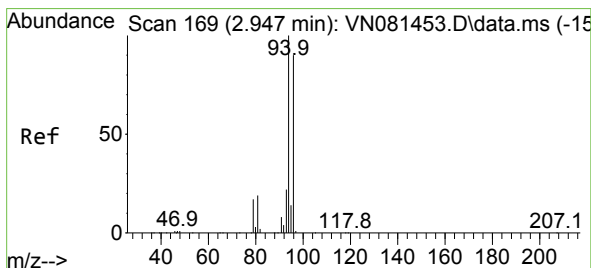
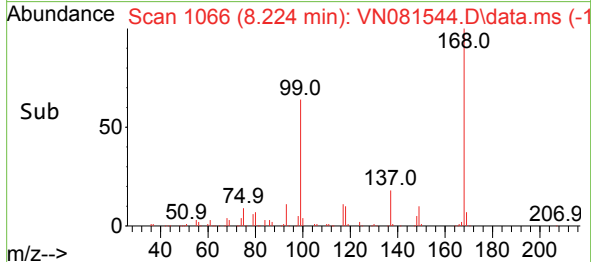
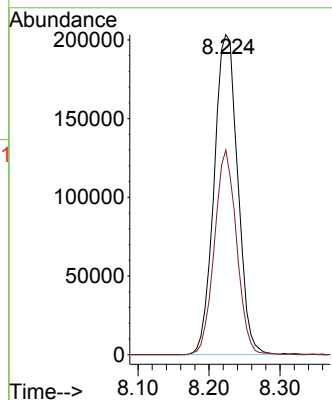
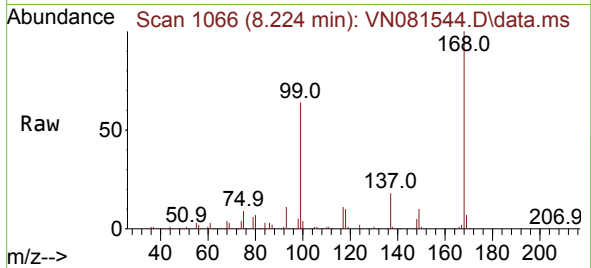




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

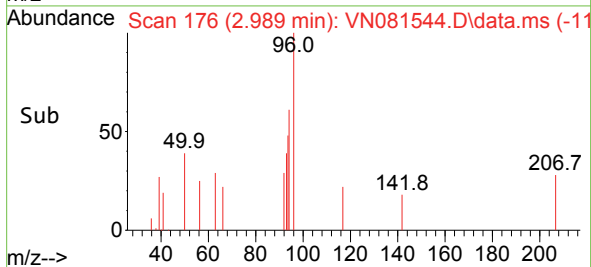
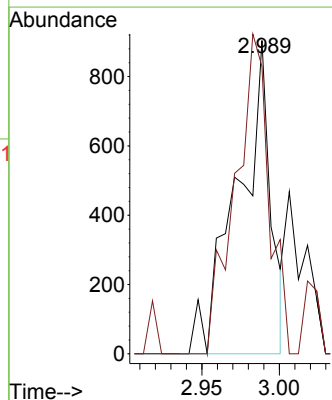
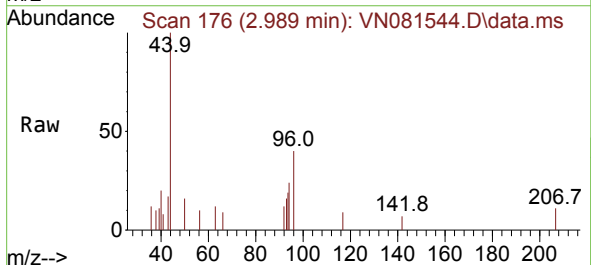
Instrument :
MSVOA_N
ClientSampleId :
S-11DL

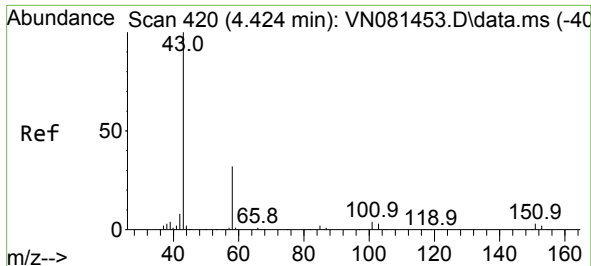
Tgt Ion:168 Resp: 468740
Ion Ratio Lower Upper
168 100
99 64.0 59.9 89.9



#5
Bromomethane
Concen: 0.269 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.041 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion: 94 Resp: 1343
Ion Ratio Lower Upper
94 100
96 91.7 69.2 103.8

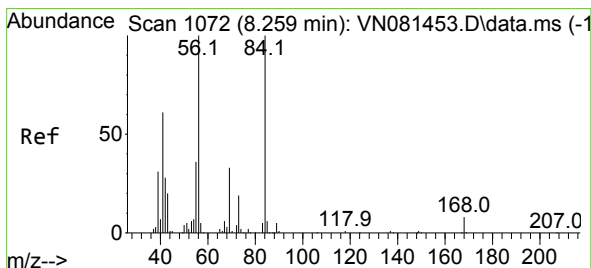
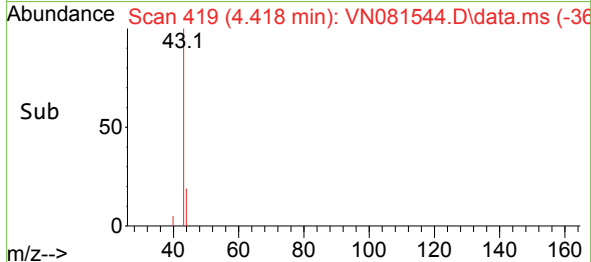
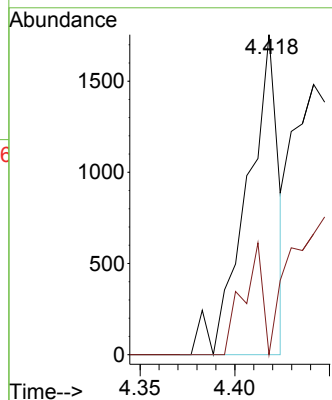
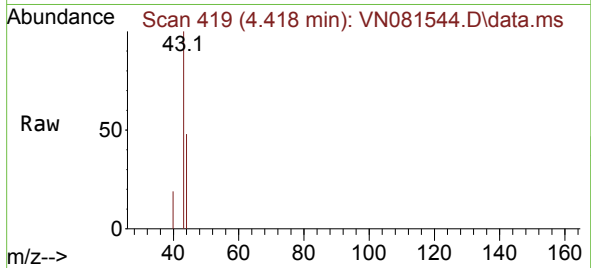




#16
Acetone
Concen: 1.059 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

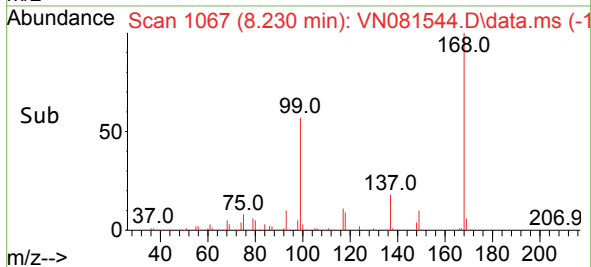
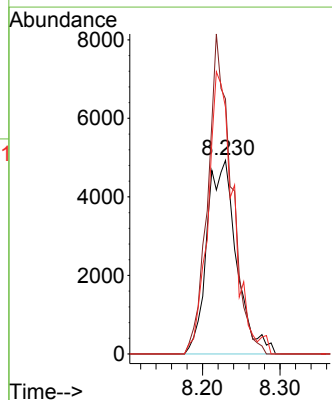
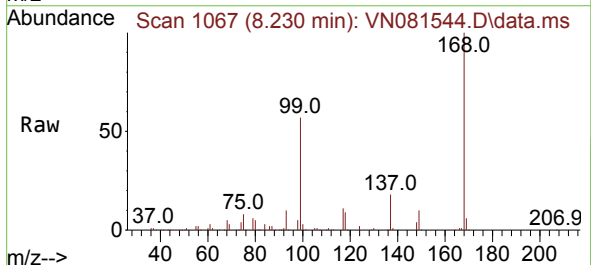
Instrument :
MSVOA_N
ClientSampleId :
S-11DL

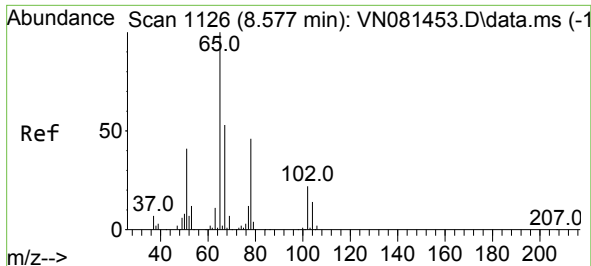
Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#31
Cyclohexane
Concen: 1.345 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion: 56 Resp: 13080
Ion Ratio Lower Upper
56 100
69 131.7 20.1 30.1#
84 127.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.932 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

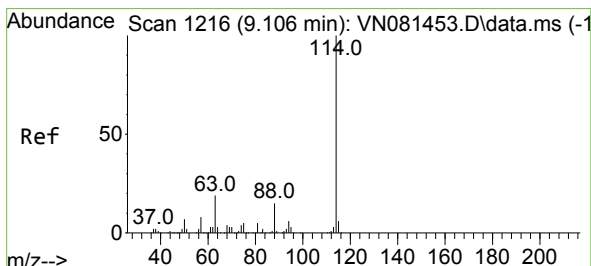
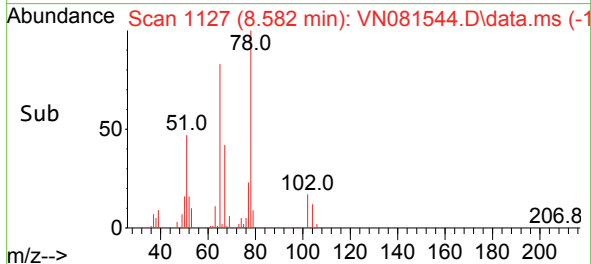
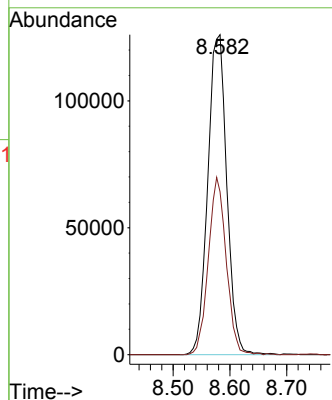
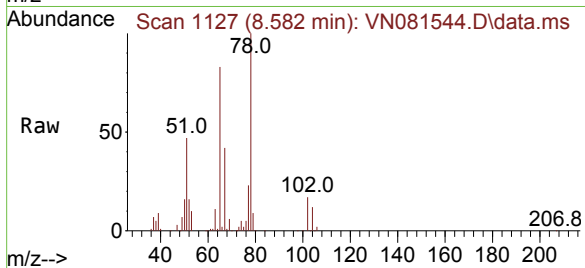
S-11DL

Tgt Ion: 65 Resp: 292502

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

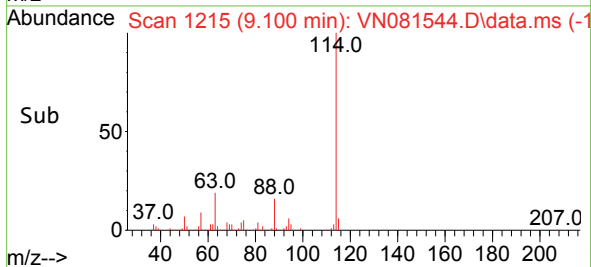
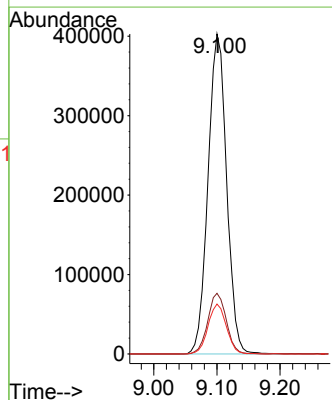
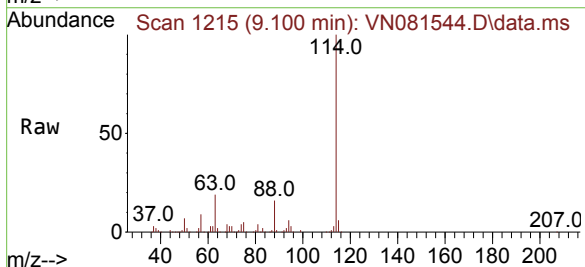
Tgt Ion:114 Resp: 824143

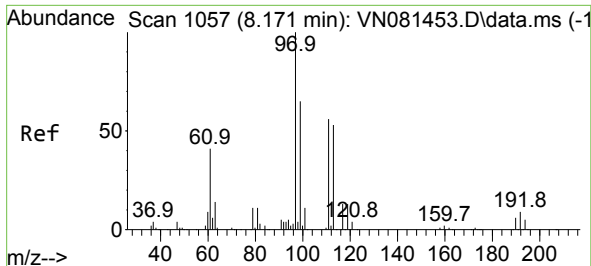
Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 15.6 0.0 34.8

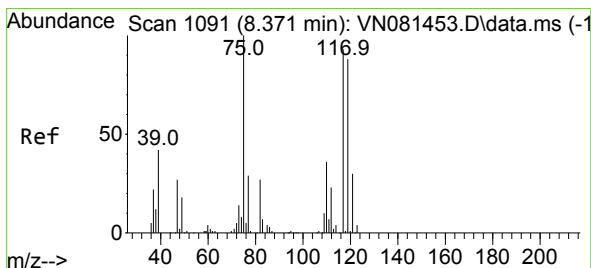
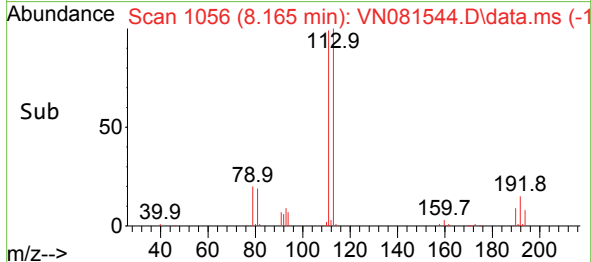
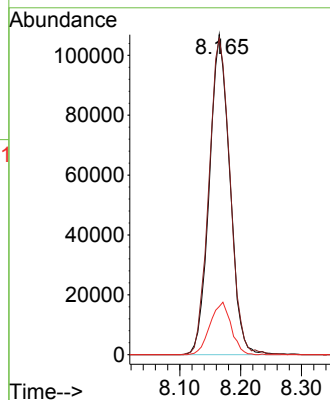
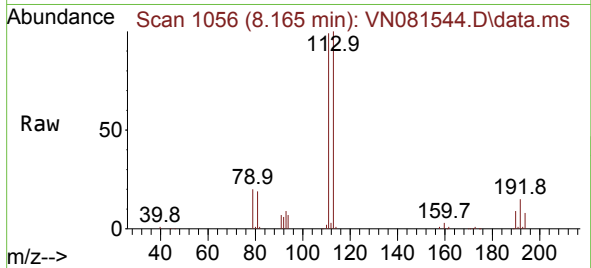




#35
Dibromofluoromethane
Concen: 47.939 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

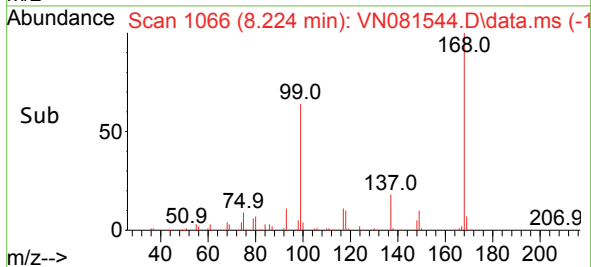
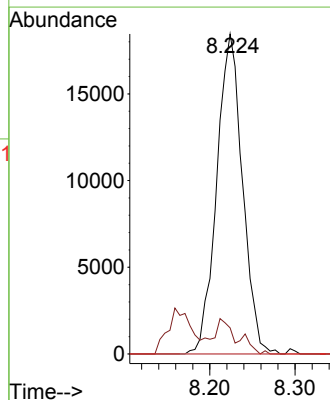
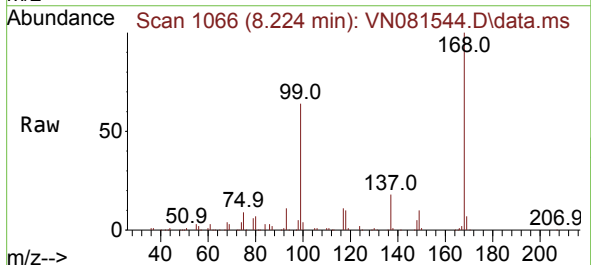
Instrument :
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ClientSampleId :
S-11DL

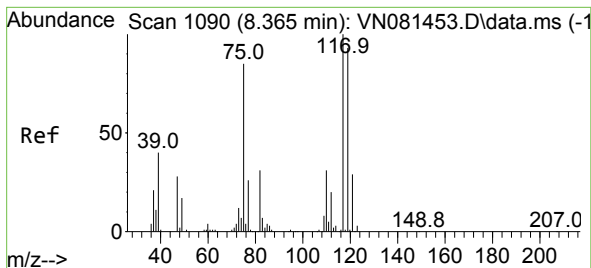
Tgt Ion:113 Resp: 249339
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 16.8 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.430 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion: 75 Resp: 38772
Ion Ratio Lower Upper
75 100
110 3.5 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.304 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

S-11DL

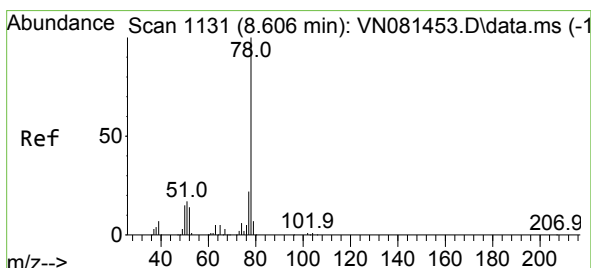
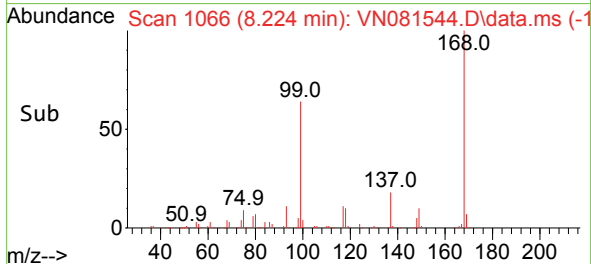
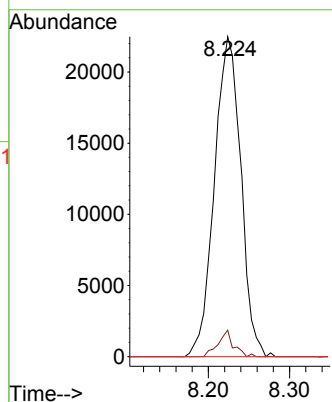
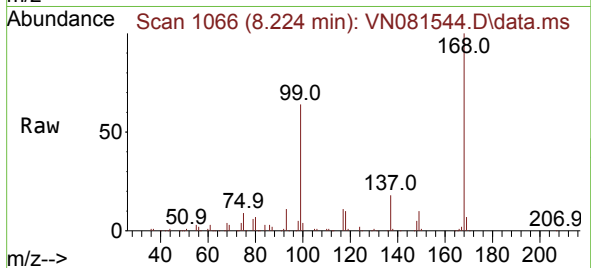
Tgt Ion:117 Resp: 50859

Ion Ratio Lower Upper

117 100

119 8.3 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 44.383 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081544.D

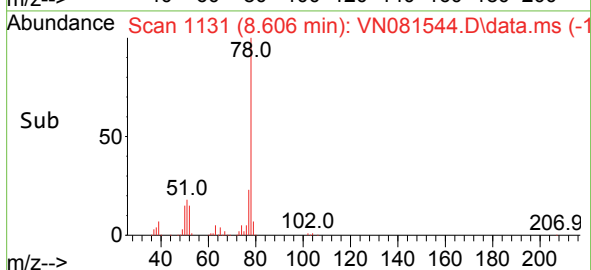
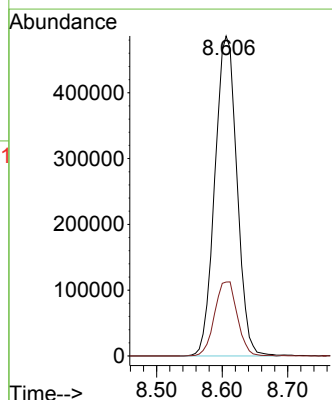
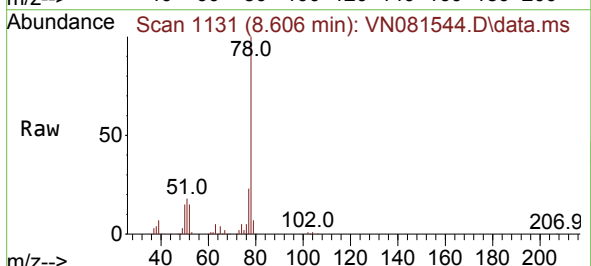
Acq: 22 Mar 2024 13:39

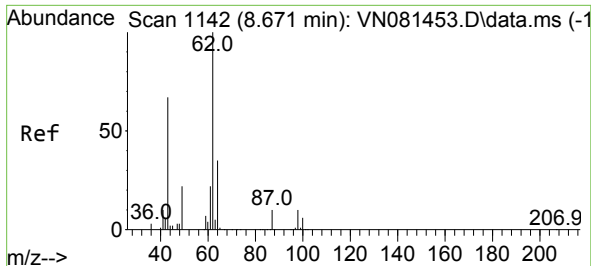
Tgt Ion: 78 Resp: 1135769

Ion Ratio Lower Upper

78 100

77 23.1 20.4 30.6





#42

1,2-Dichloroethane

Concen: 1.297 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.059 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

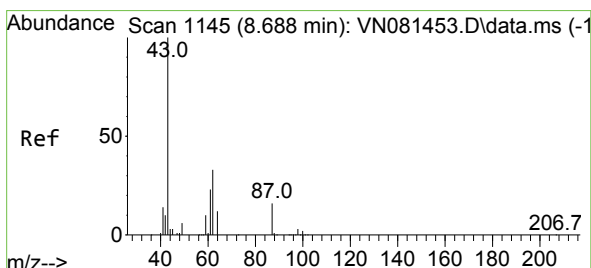
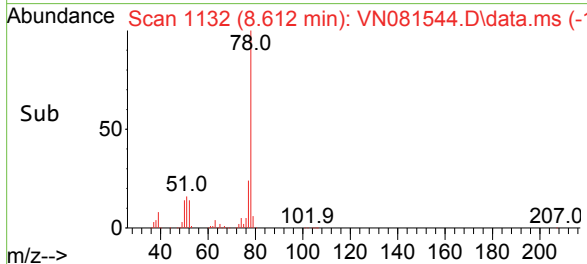
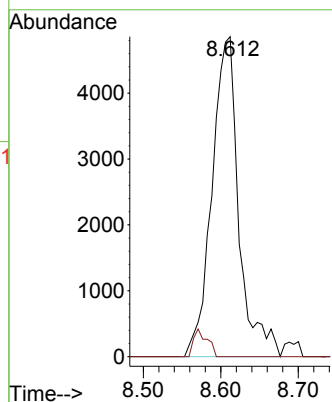
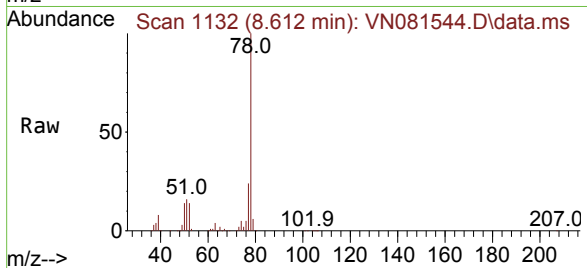
S-11DL

Tgt Ion: 62 Resp: 11678

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 0.483 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

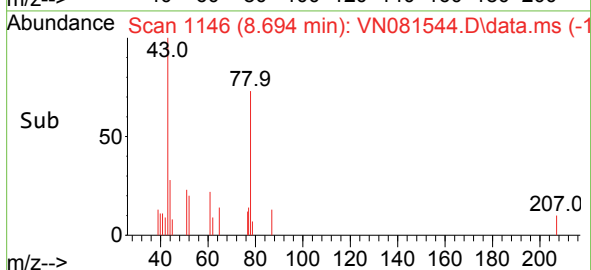
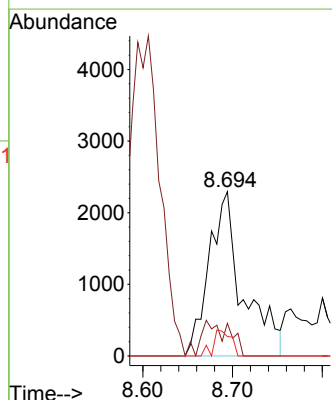
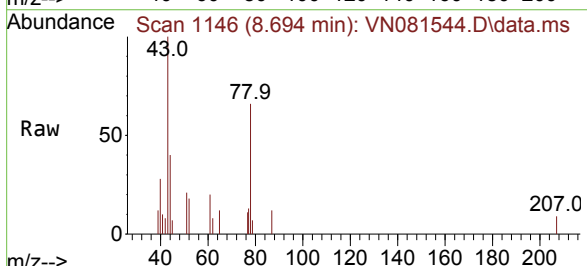
Tgt Ion: 43 Resp: 5998

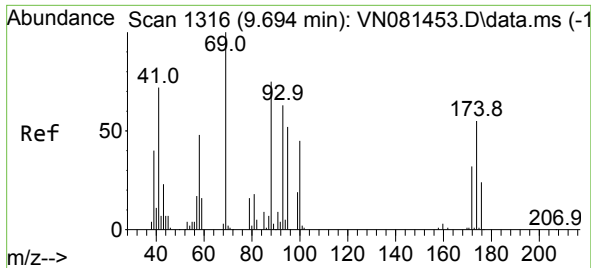
Ion Ratio Lower Upper

43 100

61 0.0 19.9 29.9#

87 8.2 9.0 13.6#





#49

1,4-Dioxane

Concen: 0.428 ug/l

RT: 9.694 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

S-11DL

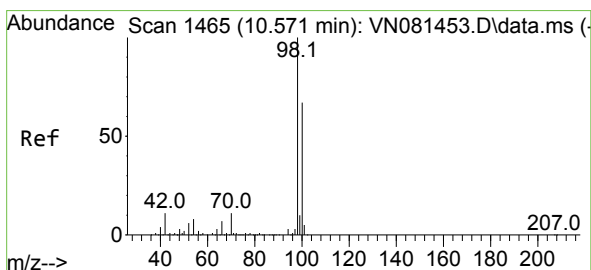
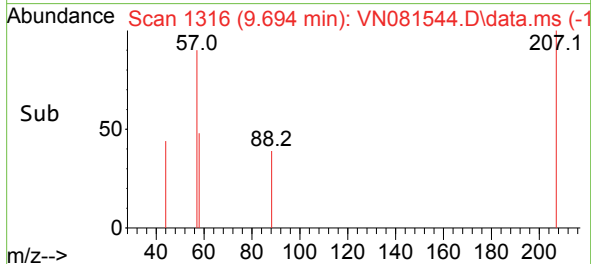
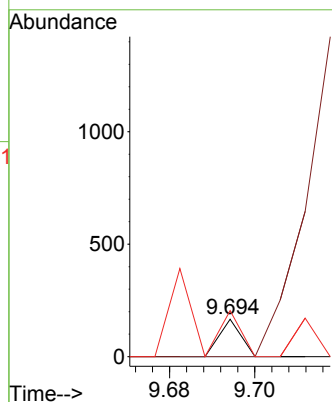
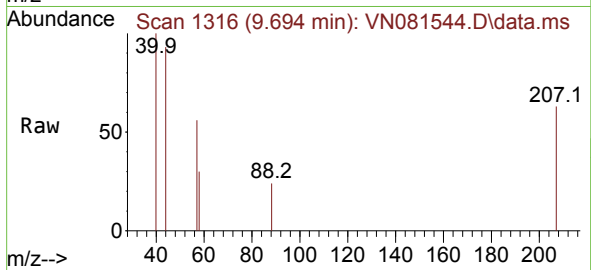
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 357.6 63.9 95.9#



#50

Toluene-d8

Concen: 50.808 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081544.D

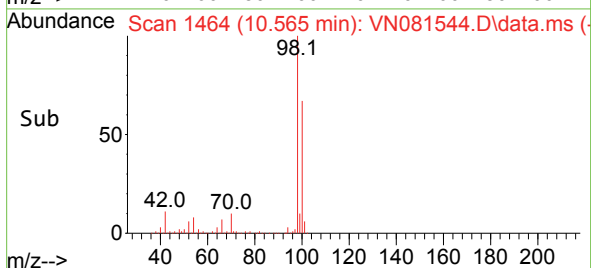
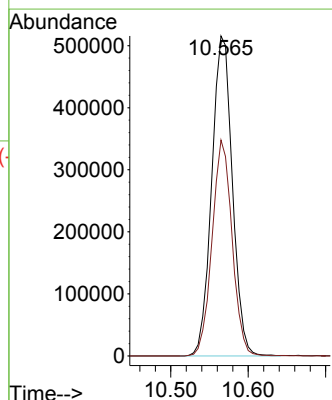
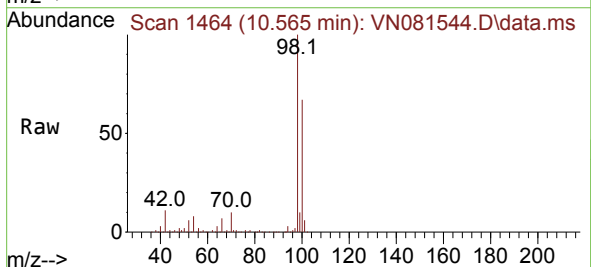
Acq: 22 Mar 2024 13:39

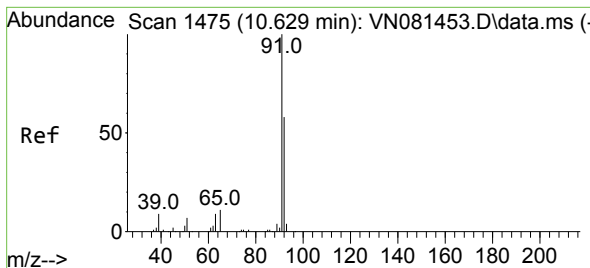
Tgt Ion: 98 Resp: 955271

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0





#52

Toluene

Concen: 24.363 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

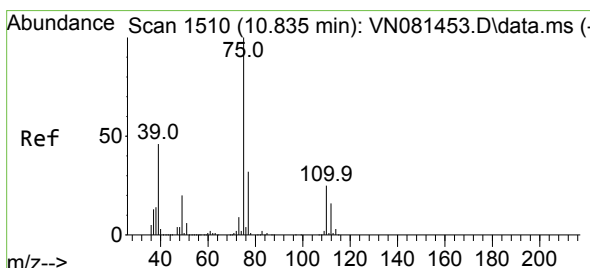
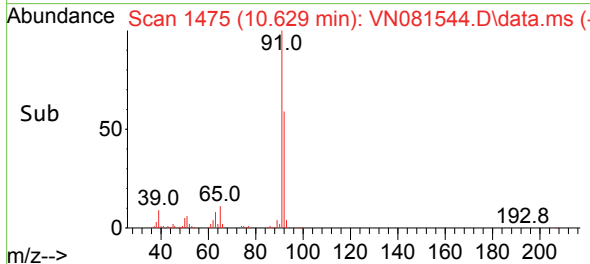
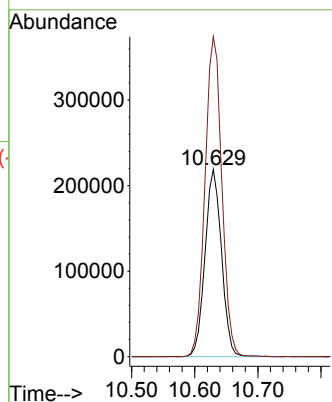
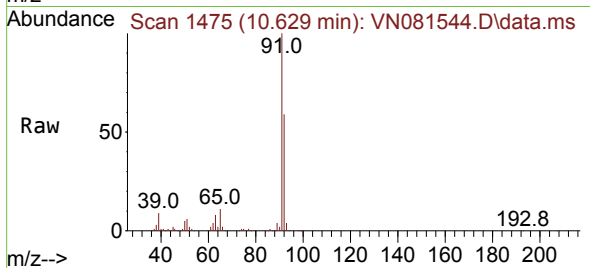
S-11DL

Tgt Ion: 92 Resp: 396261

Ion Ratio Lower Upper

92 100

91 174.3 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.439 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.212 min

Lab File: VN081544.D

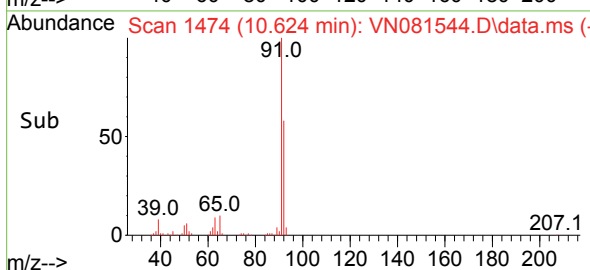
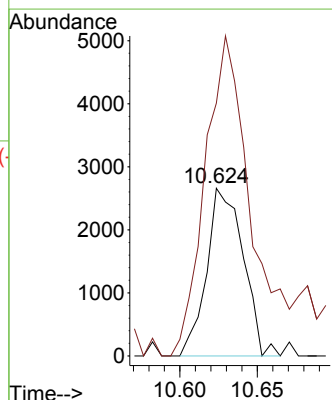
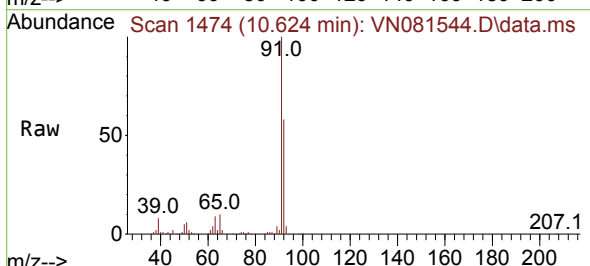
Acq: 22 Mar 2024 13:39

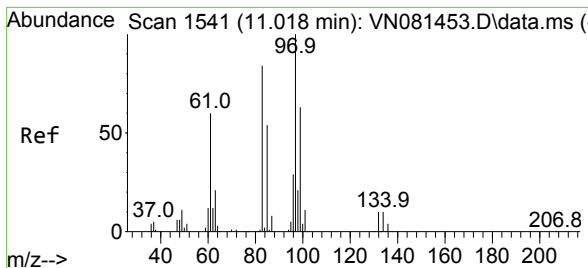
Tgt Ion: 75 Resp: 4368

Ion Ratio Lower Upper

75 100

77 140.8 25.5 38.3#





#55

1,1,2-Trichloroethane

Concen: 0.643 ug/l

RT: 10.882 min Scan# 1492

Delta R.T. -0.135 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

S-11DL

Tgt Ion: 97 Resp: 4209

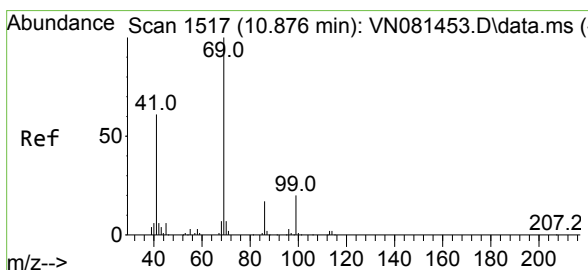
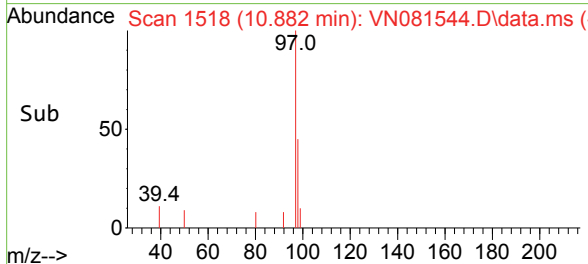
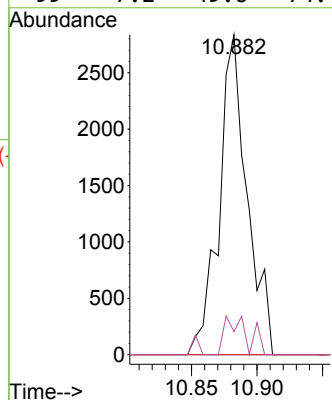
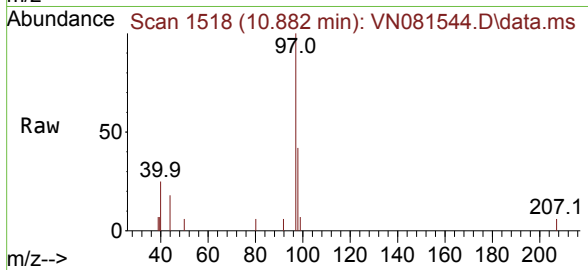
Ion Ratio Lower Upper

97 100

83 0.0 72.9 109.3#

85 0.0 50.2 75.2#

99 7.2 49.6 74.4#



#56

Ethyl methacrylate

Concen: 0.581 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.147 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

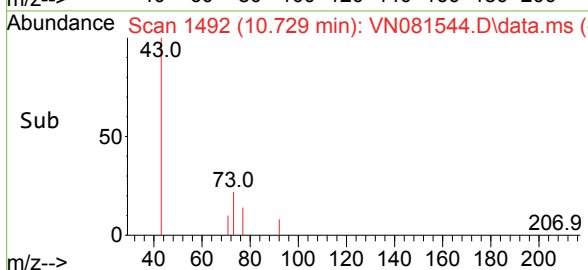
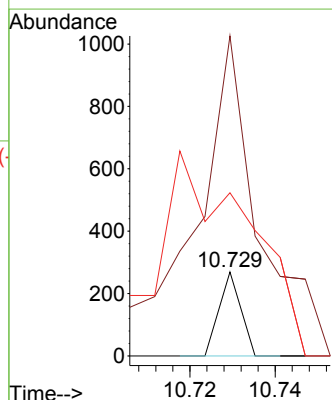
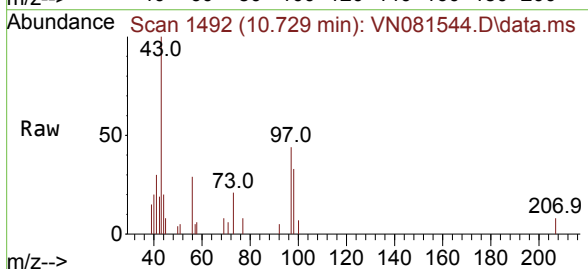
Tgt Ion: 69 Resp: 95

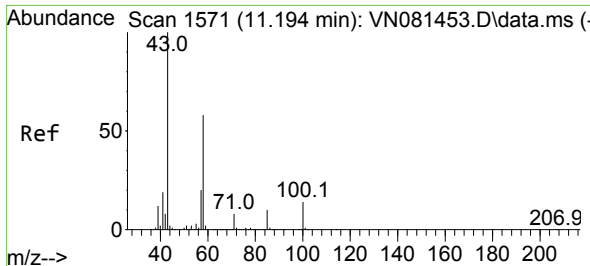
Ion Ratio Lower Upper

69 100

41 1129.5 61.0 91.6#

39 0.0 31.8 47.6#

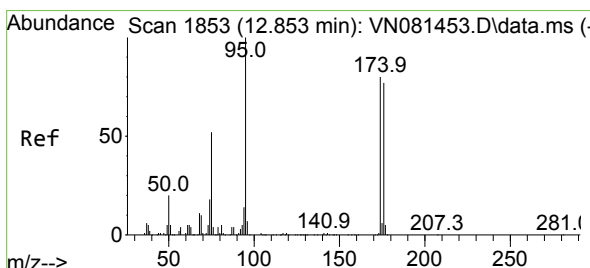
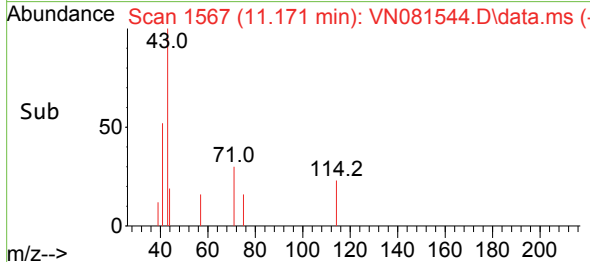
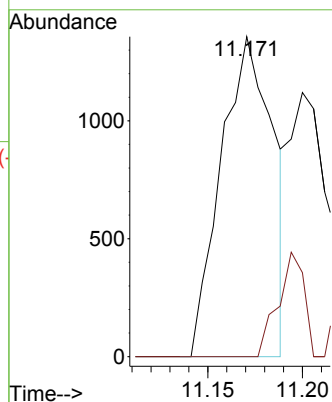
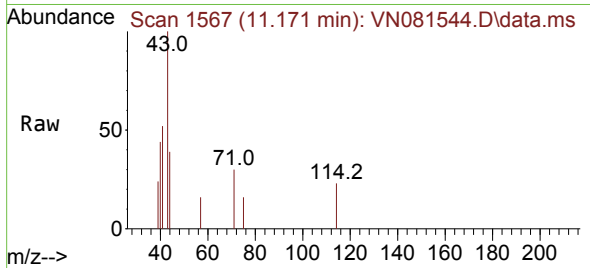




#59
2-Hexanone
Concen: 0.463 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

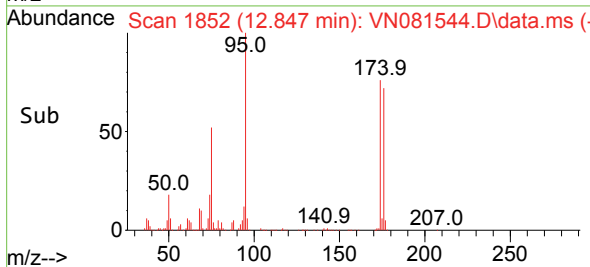
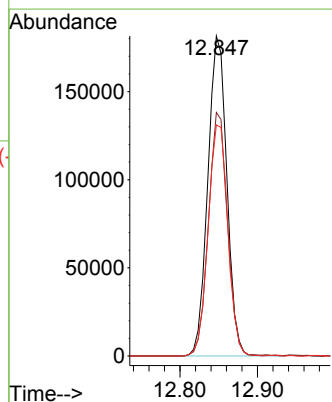
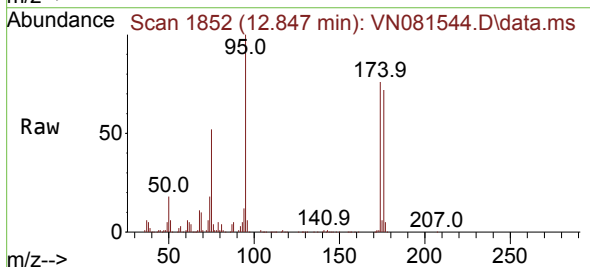
Instrument :
MSVOA_N
ClientSampleId :
S-11DL

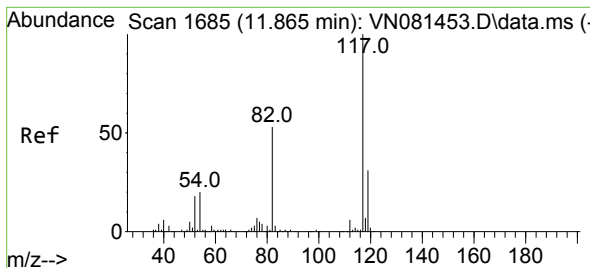
Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 46.664 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion: 95 Resp: 309147
Ion Ratio Lower Upper
95 100
174 76.3 0.0 120.4
176 74.7 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

S-11DL

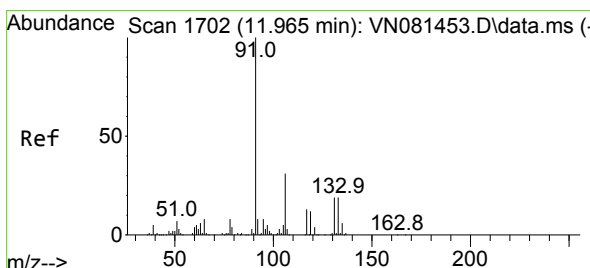
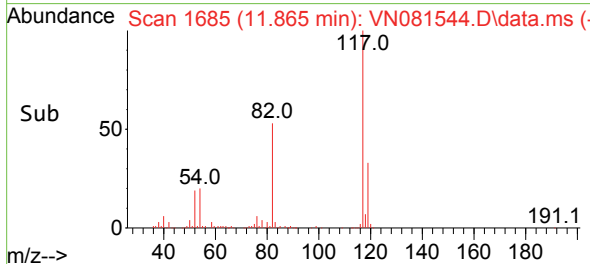
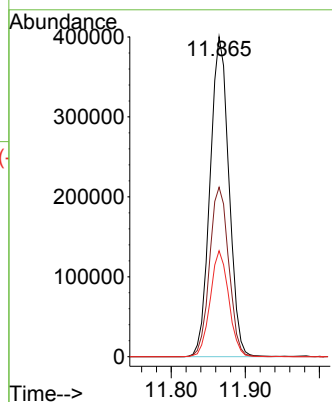
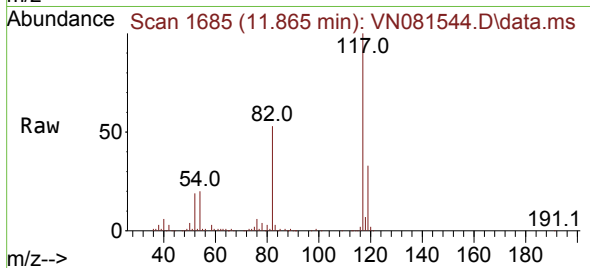
Tgt Ion:117 Resp: 706501

Ion Ratio Lower Upper

117 100

82 53.0 52.7 79.1

119 33.1 25.3 37.9



#67

Ethyl Benzene

Concen: 1.394 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN081544.D

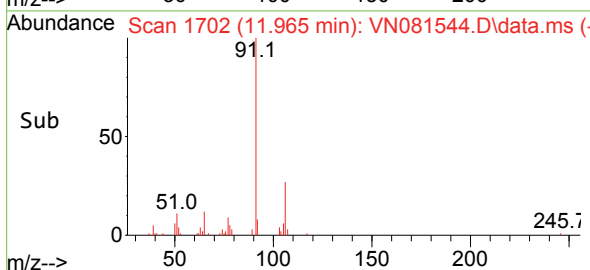
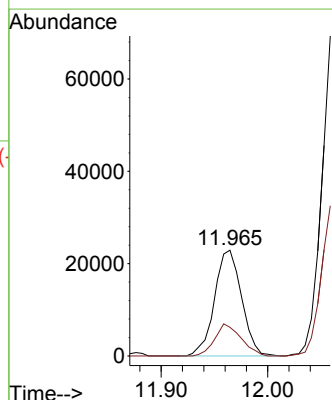
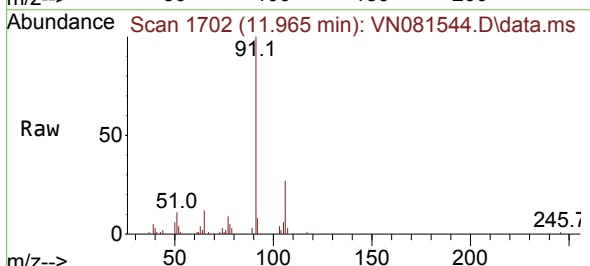
Acq: 22 Mar 2024 13:39

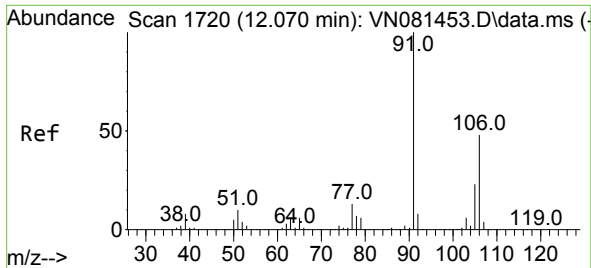
Tgt Ion: 91 Resp: 40452

Ion Ratio Lower Upper

91 100

106 27.1 23.8 35.6

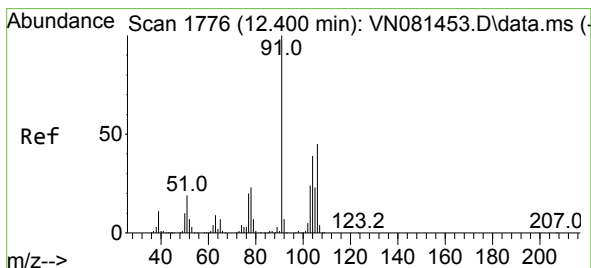
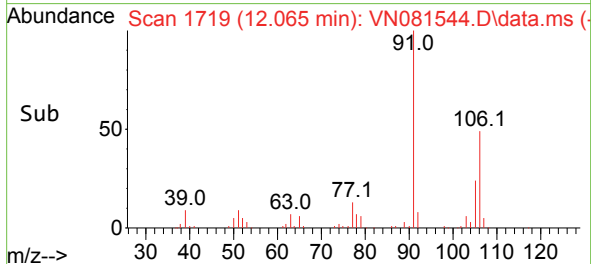
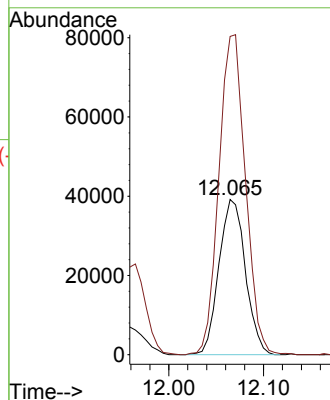
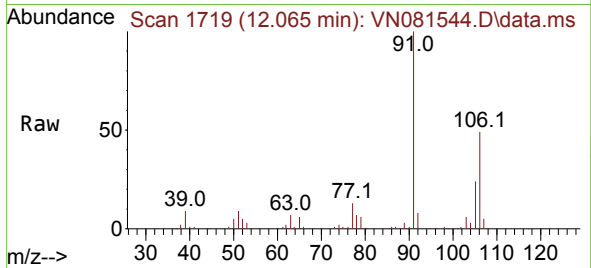




#68
m/p-Xylenes
Concen: 7.003 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

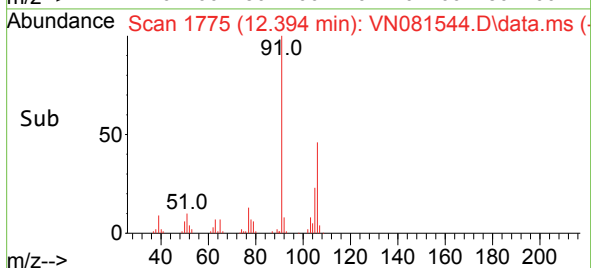
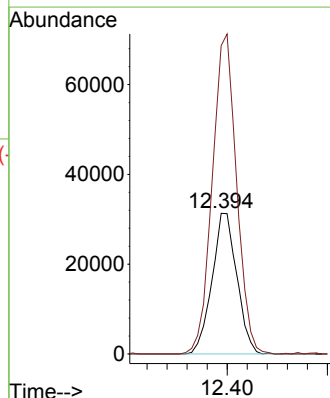
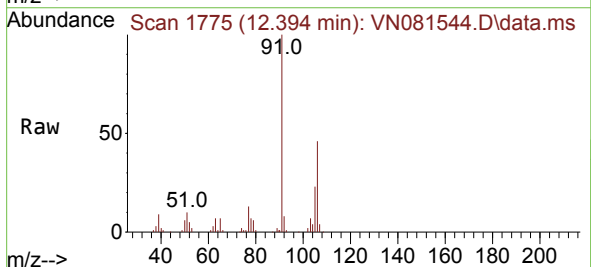
Instrument :
MSVOA_N
ClientSampleId :
S-11DL

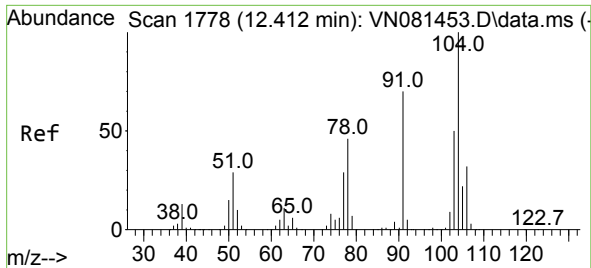
Tgt Ion:106 Resp: 76166
Ion Ratio Lower Upper
106 100
91 206.6 169.0 253.6



#69
o-Xylene
Concen: 5.044 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion:106 Resp: 53862
Ion Ratio Lower Upper
106 100
91 222.2 112.1 336.3

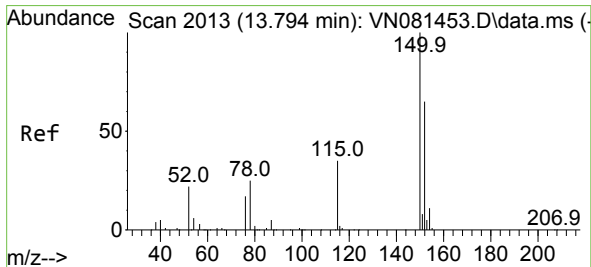
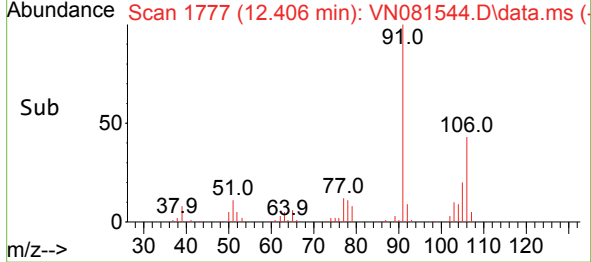
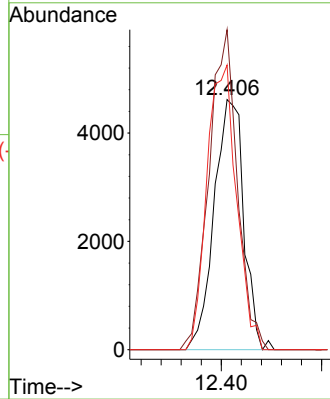
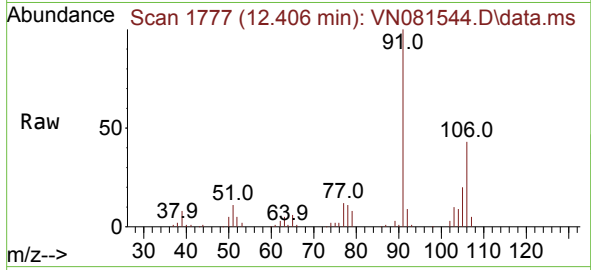




#70
Styrene
Concen: 0.549 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

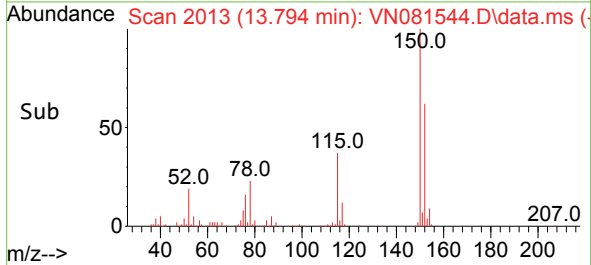
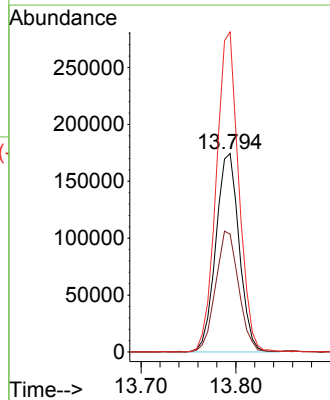
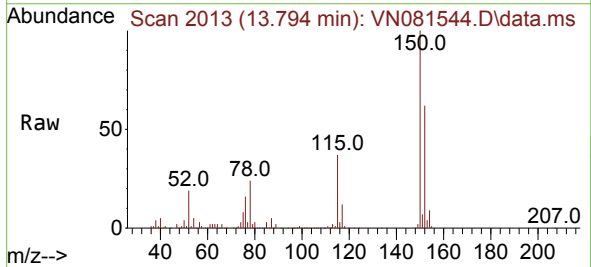
Instrument :
MSVOA_N
ClientSampleId :
S-11DL

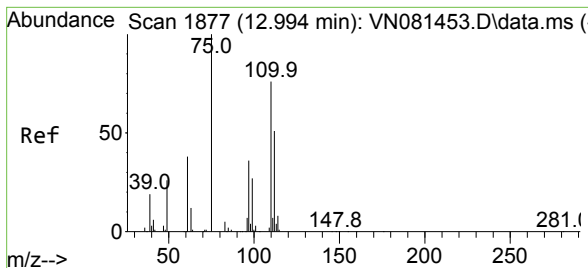
Tgt Ion:104 Resp: 9453
Ion Ratio Lower Upper
104 100
78 123.3 43.8 65.8#
103 114.2 44.2 66.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081544.D
Acq: 22 Mar 2024 13:39

Tgt Ion:152 Resp: 298153
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 155.8 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 22.553 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN081544.D

Acq: 22 Mar 2024 13:39

Instrument :

MSVOA_N

ClientSampleId :

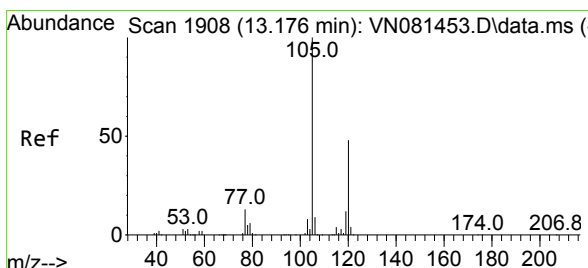
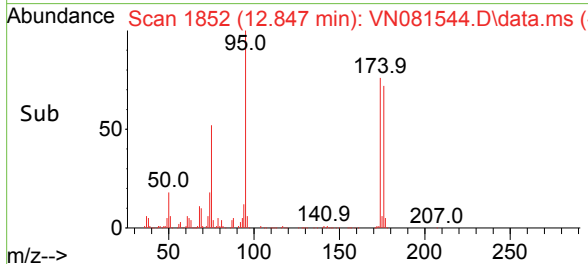
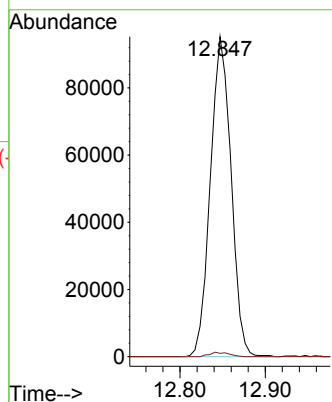
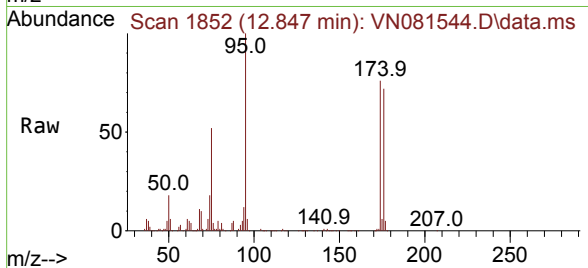
S-11DL

Tgt Ion: 75 Resp: 160847

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.762 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN081544.D

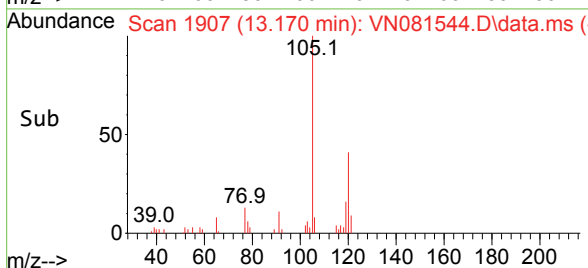
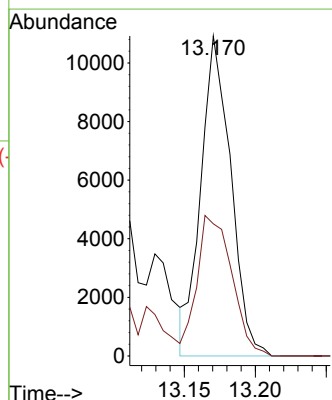
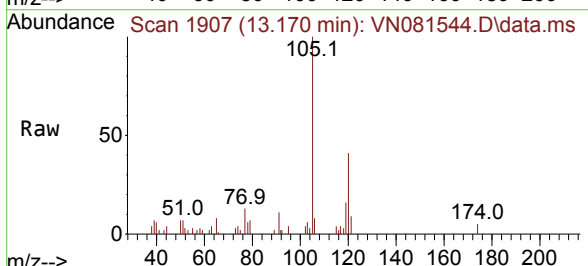
Acq: 22 Mar 2024 13:39

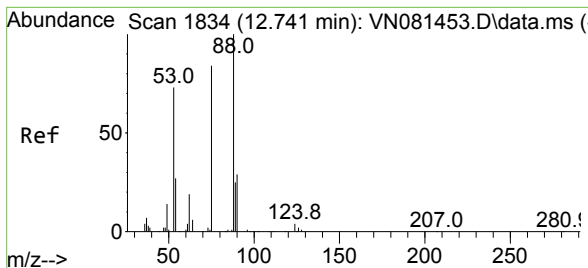
Tgt Ion:105 Resp: 15992

Ion Ratio Lower Upper

105 100

120 51.1 23.0 69.0

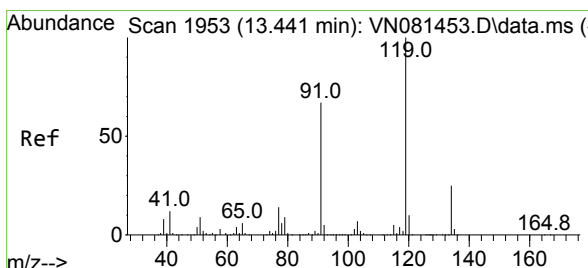
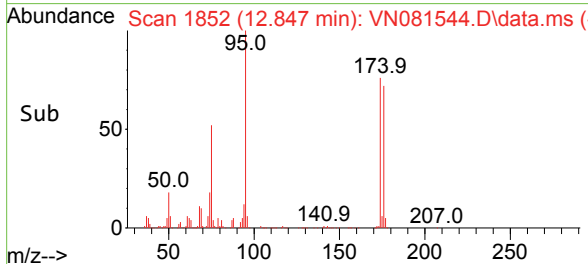
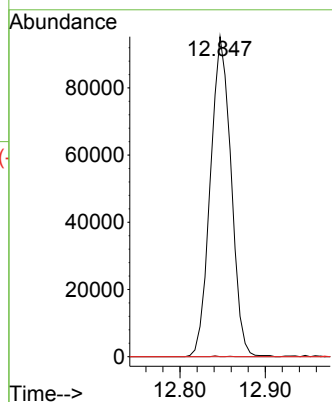
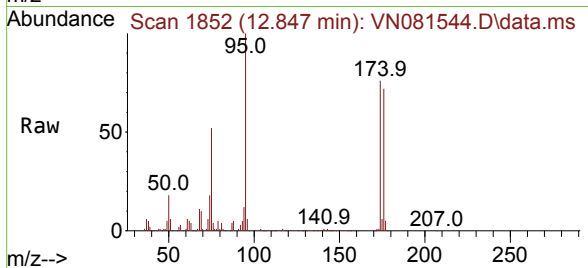




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.945 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081544.D
 Acq: 22 Mar 2024 13:39

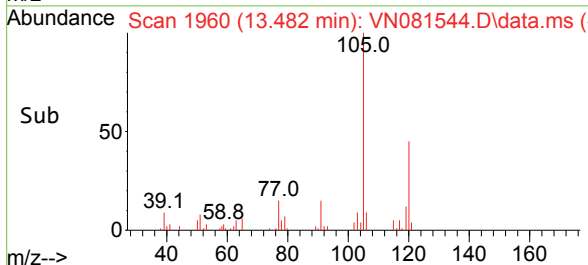
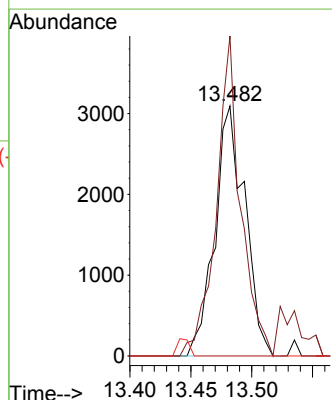
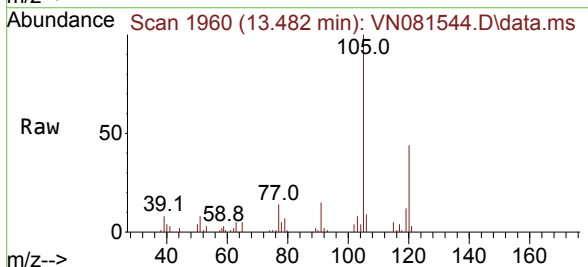
Instrument :
 MSVOA_N
 ClientSampleId :
 S-11DL

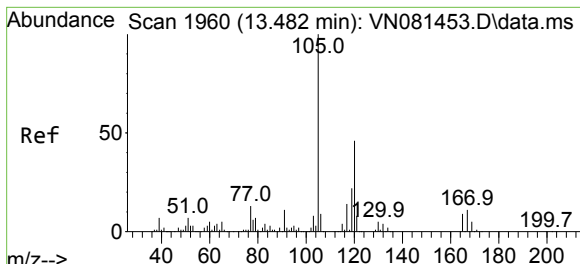
Tgt Ion: 75 Resp: 160847
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#



#83
 tert-Butylbenzene
 Concen: 0.292 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.041 min
 Lab File: VN081544.D
 Acq: 22 Mar 2024 13:39

Tgt Ion: 119 Resp: 5291
 Ion Ratio Lower Upper
 119 100
 91 103.9 36.8 110.4
 134 0.0 12.4 37.4#

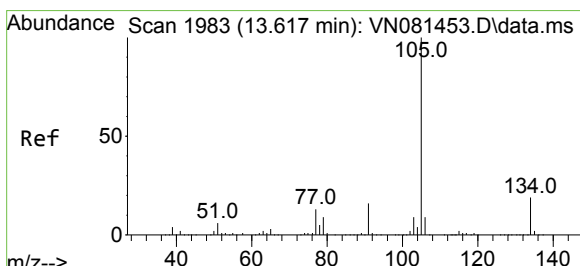
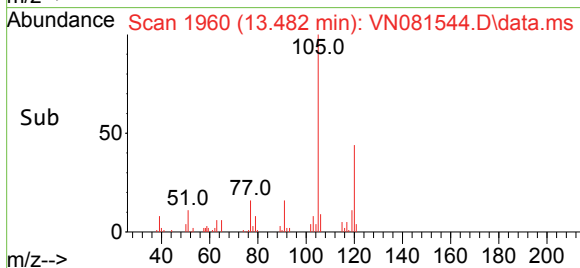
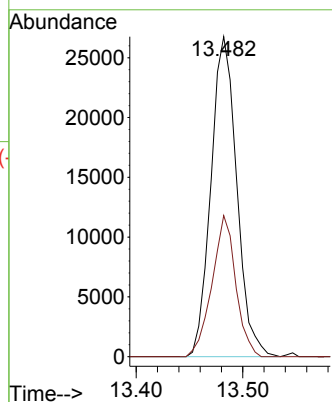
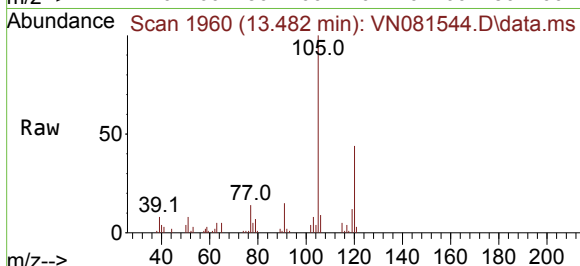




#84
 1,2,4-Trimethylbenzene
 Concen: 2.131 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081544.D
 Acq: 22 Mar 2024 13:39

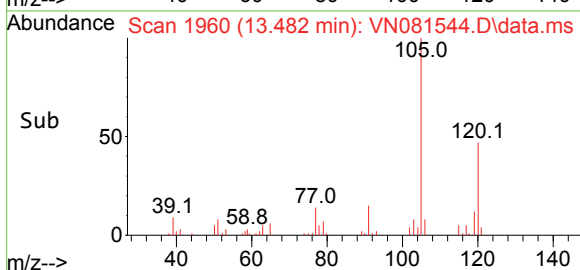
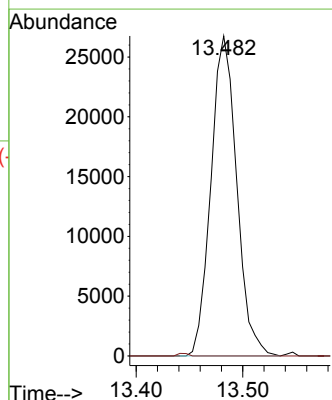
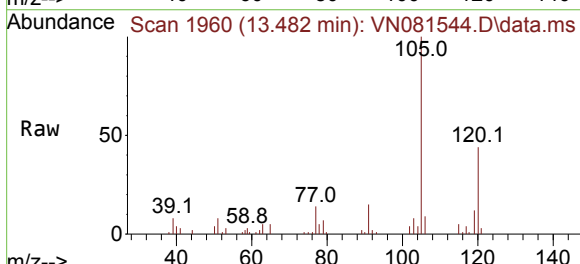
Instrument :
 MSVOA_N
 ClientSampleId :
 S-11DL

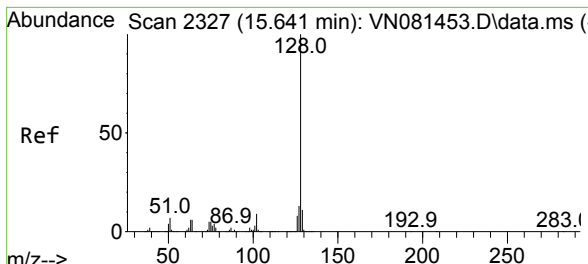
Tgt Ion:105 Resp: 44952
 Ion Ratio Lower Upper
 105 100
 120 40.6 20.9 62.7



#85
 sec-Butylbenzene
 Concen: 1.737 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN081544.D
 Acq: 22 Mar 2024 13:39

Tgt Ion:105 Resp: 44952
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#





#95
 Naphthalene
 Concen: 28.125 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081544.D
 Acq: 22 Mar 2024 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 S-11DL

Tgt Ion:128 Resp: 585036

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.0	15.0
129	10.9	8.7	13.1

