

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080554.D
 Acq On : 20 Dec 2023 18:05
 Operator : JC\MD
 Sample : 05942-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:48:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

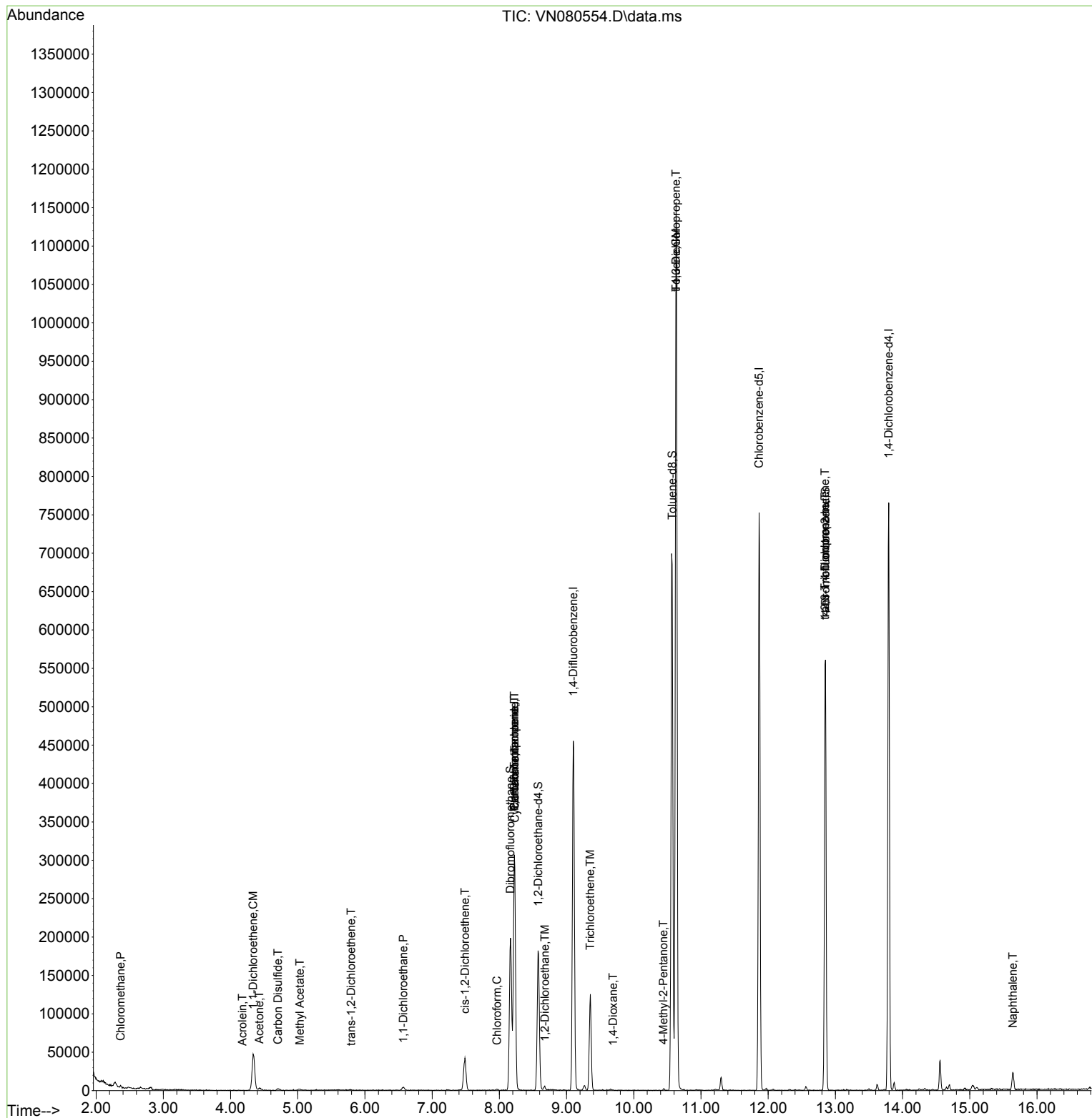
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	217752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	403225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	434442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160364	57.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.320%	
35) Dibromofluoromethane	8.165	113	142359	55.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.360%	
50) Toluene-d8	10.571	98	506828	53.155	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.320%	
62) 4-Bromofluorobenzene	12.853	95	199761	55.173	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.340%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3527	0.816	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	28661	12.244	ug/l	89
13) Acrolein	4.177	56	139	0.387	ug/l #	16
16) Acetone	4.430	43	5965	12.096	ug/l #	76
17) Carbon Disulfide	4.706	76	1799	0.271	ug/l #	75
18) Methyl Acetate	5.030	43	2672	0.842	ug/l #	88
21) trans-1,2-Dichloroethene	5.794	96	542	0.214	ug/l #	55
24) 1,1-Dichloroethane	6.571	63	6146	1.409	ug/l #	94
27) cis-1,2-Dichloroethene	7.488	96	26478	9.216	ug/l	94
30) Chloroform	7.965	83	1722	0.356	ug/l #	60
31) Cyclohexane	8.230	56	4436	1.173	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	17230	4.122	ug/l #	49
38) Carbon Tetrachloride	8.224	117	23483	4.701	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	4589	1.027	ug/l	84
44) Trichloroethene	9.353	130	44187	13.579	ug/l	91
49) 1,4-Dioxane	9.694	88	271	6.366	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	1583	0.611	ug/l	93
52) Toluene	10.629	92	531814	69.740	ug/l	98
53) t-1,3-Dichloropropene	10.629	75	7306	1.548	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	110268	26.997	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110268	70.882	ug/l #	15
95) Naphthalene	15.641	128	20817	1.824	ug/l	98

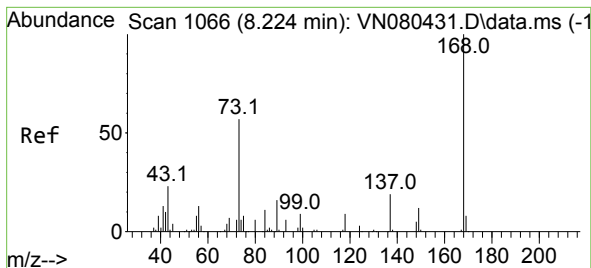
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

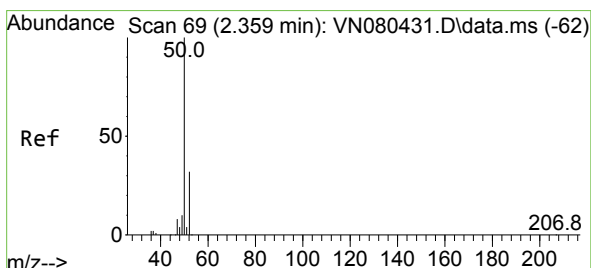
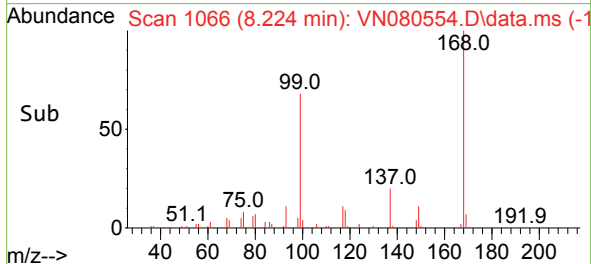
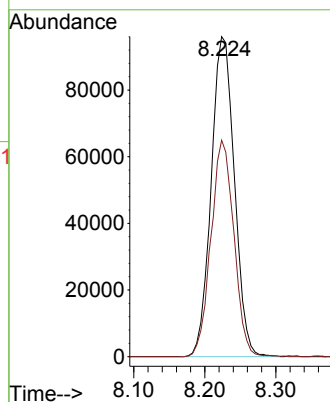
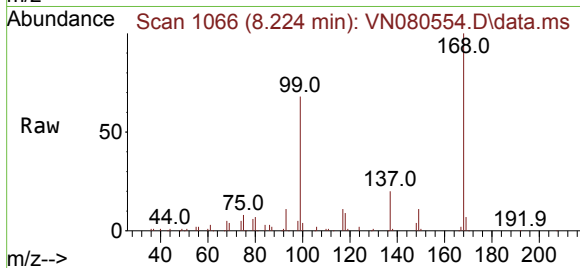
ClientSampleId :

Tgt Ion:168 Resp: 217752

Ion Ratio Lower Upper

168 100

99 67.7 53.0 79.6



#3

Chloromethane

Concen: 0.816 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080554.D

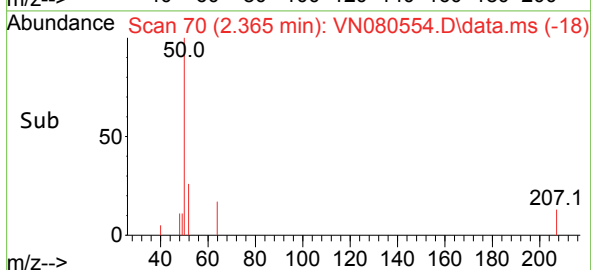
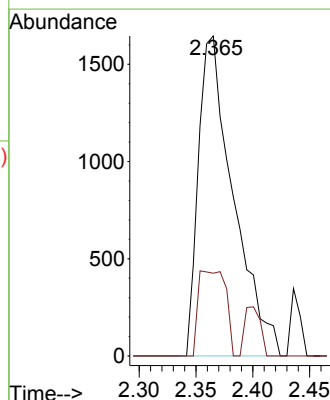
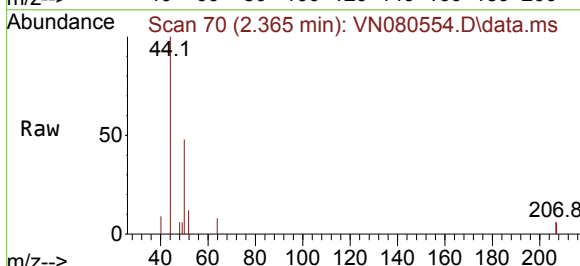
Acq: 20 Dec 2023 18:05

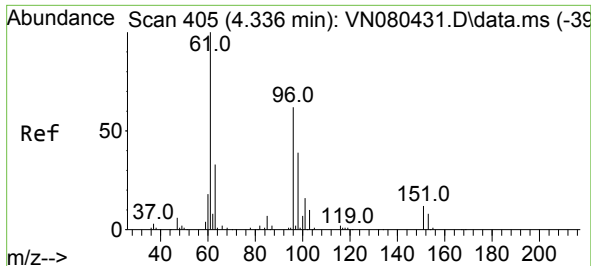
Tgt Ion: 50 Resp: 3527

Ion Ratio Lower Upper

50 100

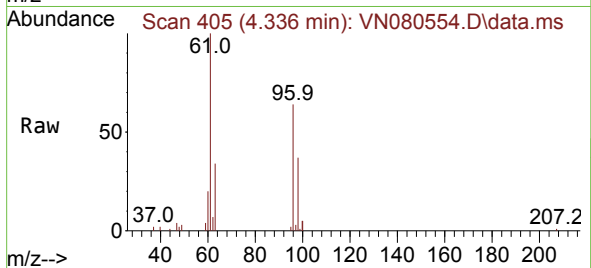
52 25.9 26.5 39.7#



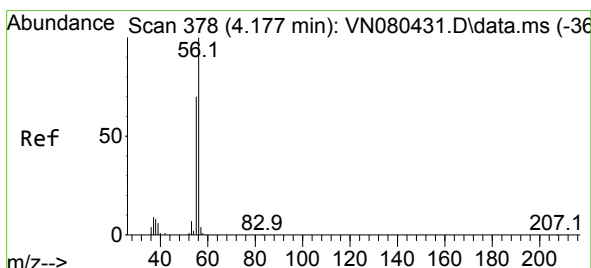
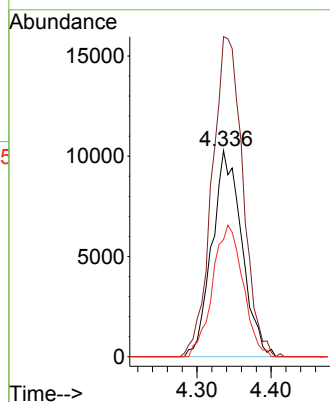
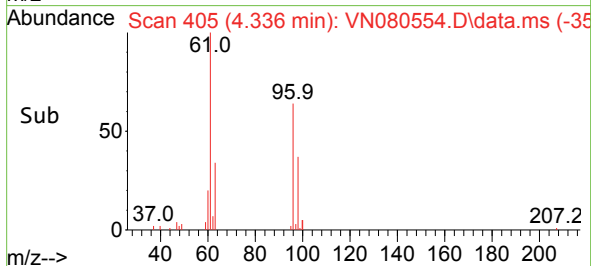


#12
1,1-Dichloroethene
Concen: 12.244 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Instrument :
MSVOA_N
ClientSampleId :

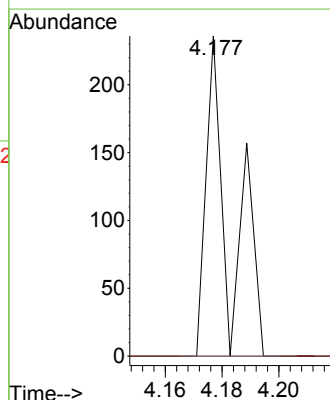
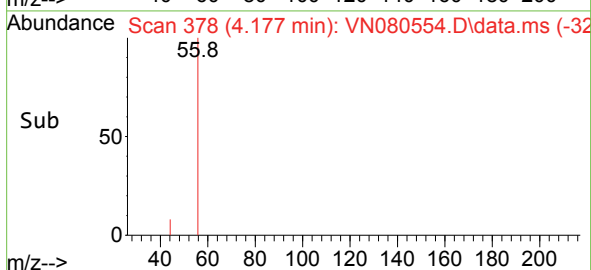
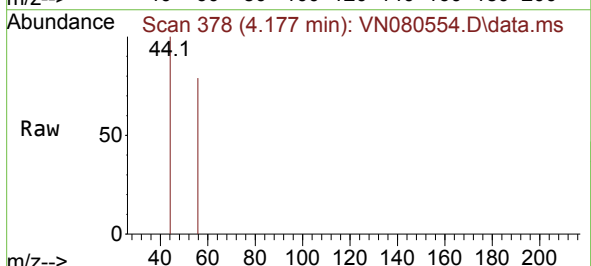


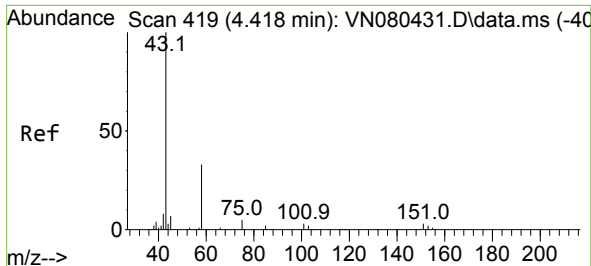
Tgt Ion: 96 Resp: 28661
Ion Ratio Lower Upper
96 100
61 155.2 112.7 169.1
98 56.9 51.2 76.8



#13
Acrolein
Concen: 0.387 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

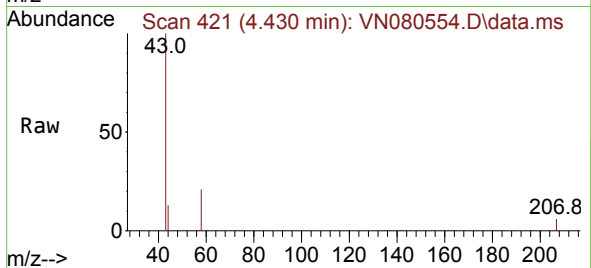
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



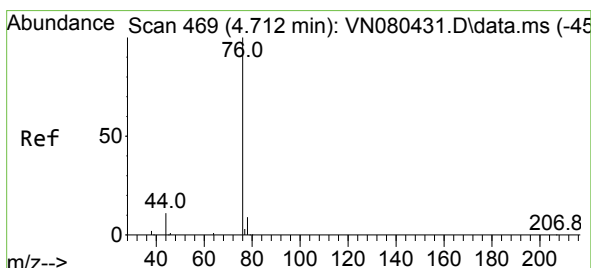
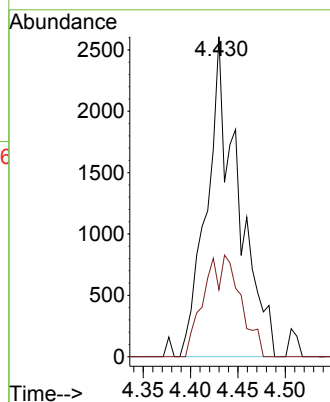
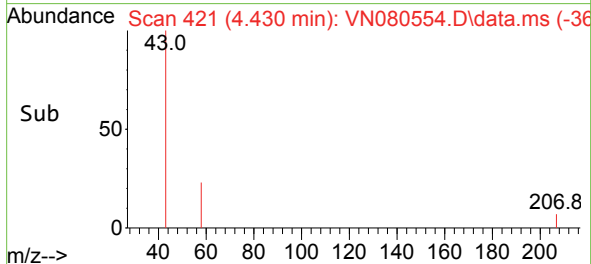


#16
Acetone
Concen: 12.096 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Instrument :
MSVOA_N
ClientSampleId :

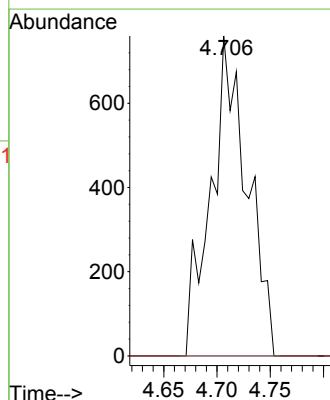
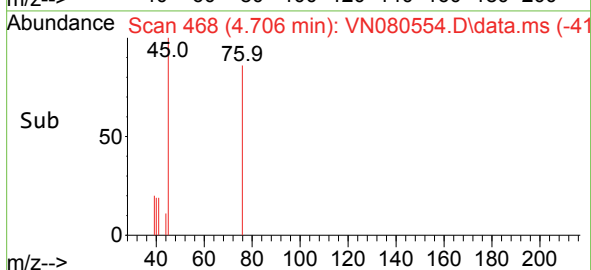
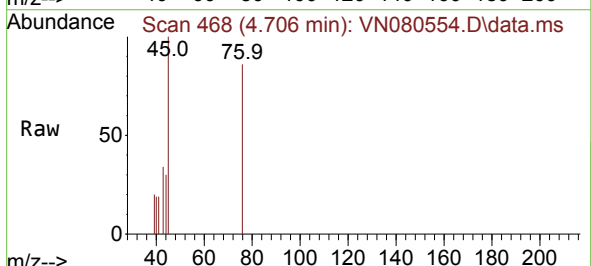


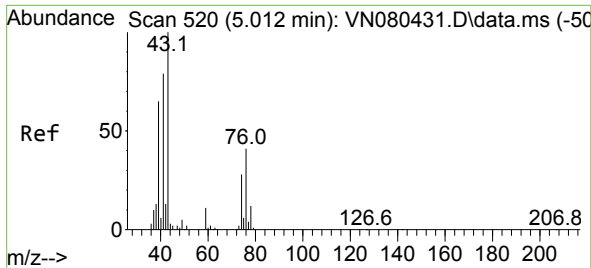
Tgt Ion: 43 Resp: 5965
Ion Ratio Lower Upper
43 100
58 20.9 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion: 76 Resp: 1799
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 0.842 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.018 min

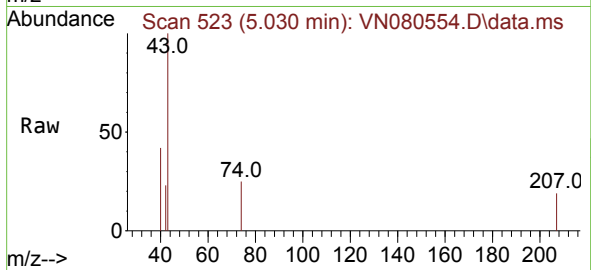
Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

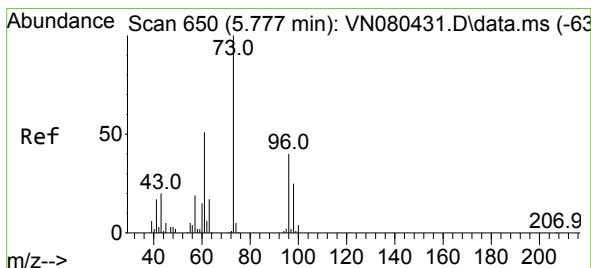
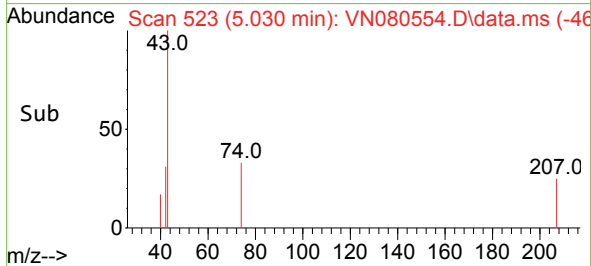
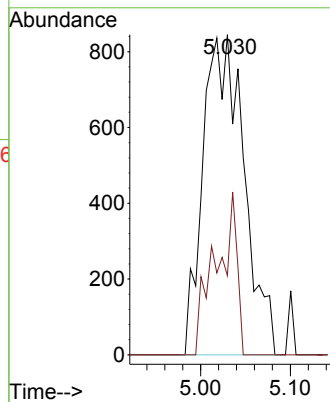


Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

74 26.2 26.2 39.4#



#21

trans-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.018 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

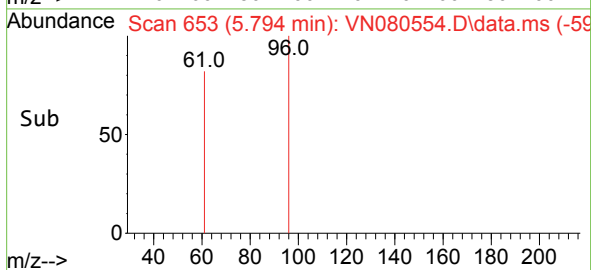
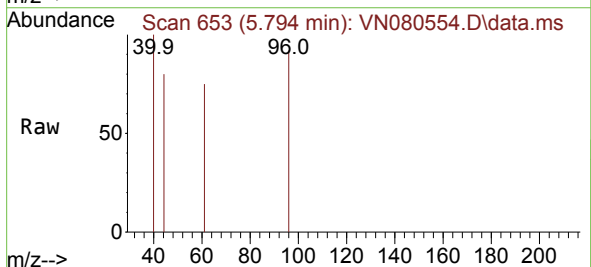
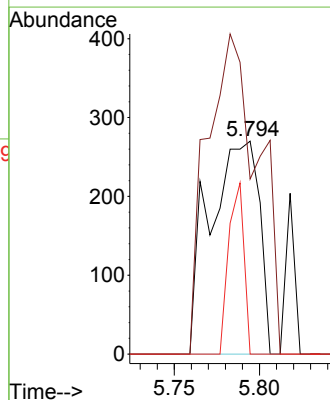
Tgt Ion: 96 Resp: 542

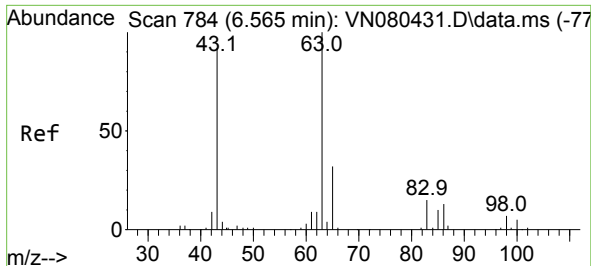
Ion Ratio Lower Upper

96 100

61 82.2 90.1 135.1#

98 0.0 46.4 69.6#

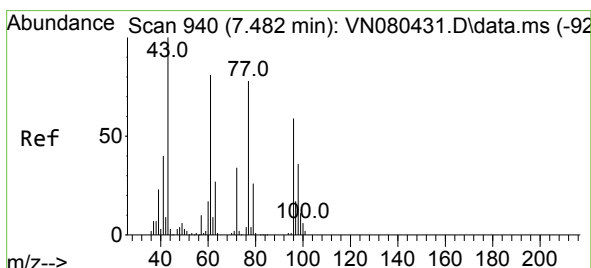
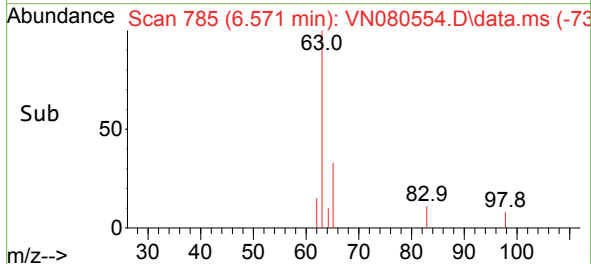
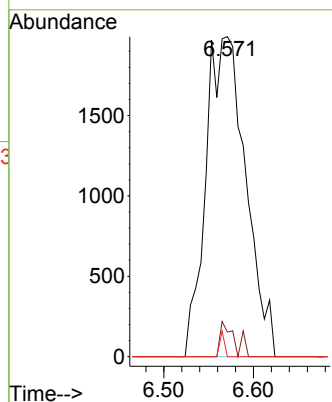
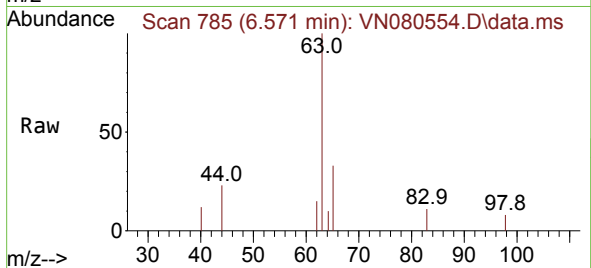




#24
1,1-Dichloroethane
Concen: 1.409 ug/l
RT: 6.571 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

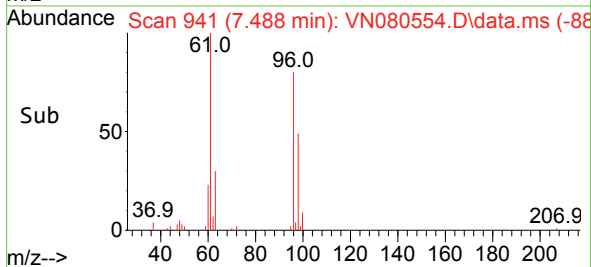
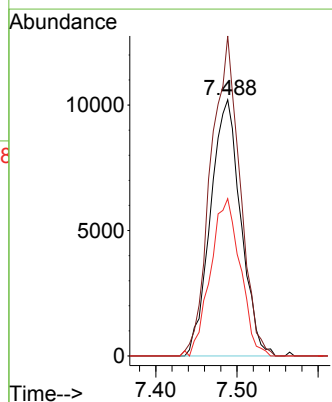
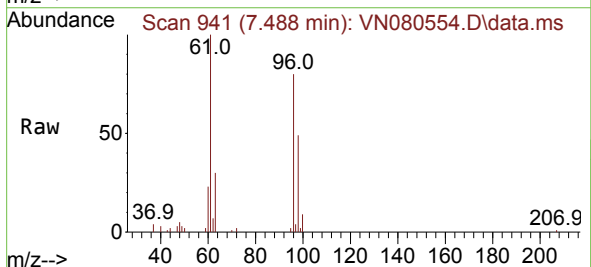
Instrument :
MSVOA_N
ClientSampleId :

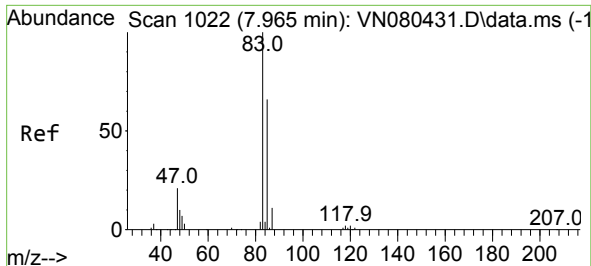
Tgt Ion: 63 Resp: 6146
Ion Ratio Lower Upper
63 100
98 7.7 3.9 11.7
100 0.0 2.5 7.4#



#27
cis-1,2-Dichloroethene
Concen: 9.216 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

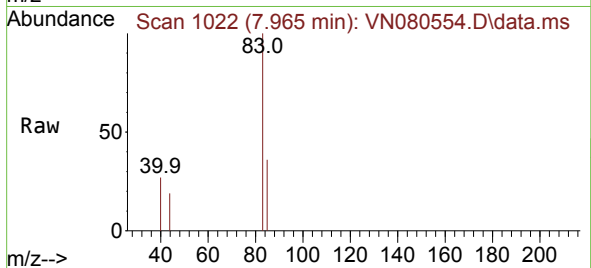
Tgt Ion: 96 Resp: 26478
Ion Ratio Lower Upper
96 100
61 120.1 0.0 255.2
98 60.4 0.0 128.8



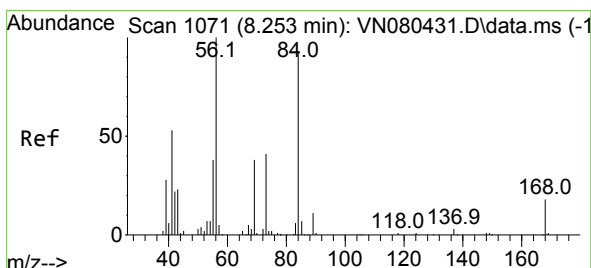
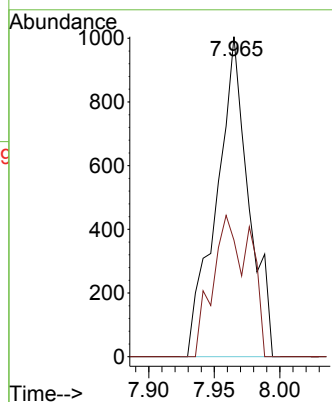
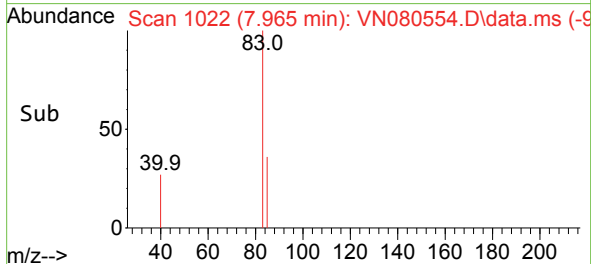


#30
Chloroform
Concen: 0.356 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Instrument :
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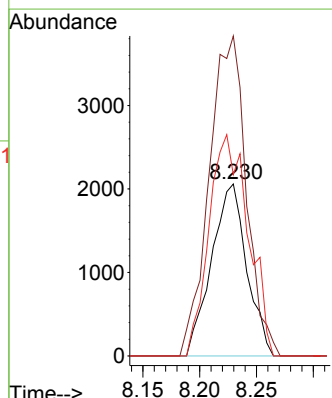
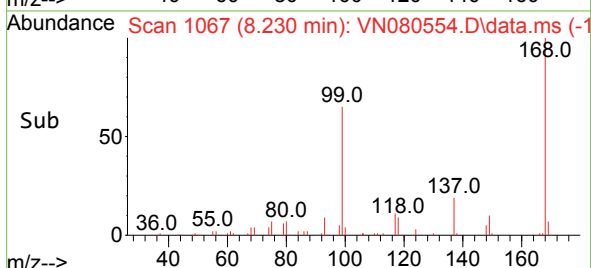
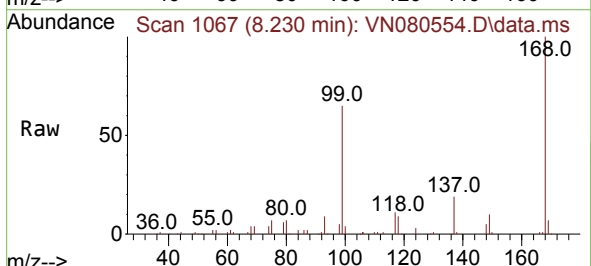


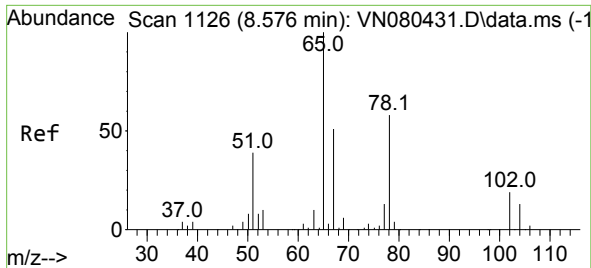
Tgt Ion: 83 Resp: 1722
Ion Ratio Lower Upper
83 100
85 36.4 55.4 83.0#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion: 56 Resp: 4436
Ion Ratio Lower Upper
56 100
69 186.0 26.8 40.2#
84 105.4 81.8 122.6

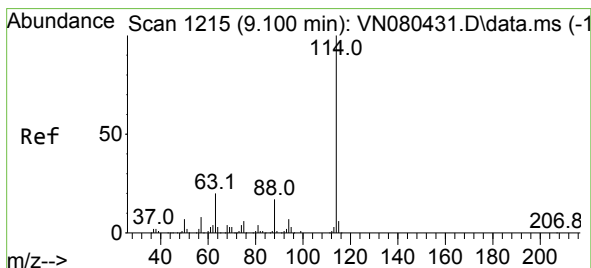
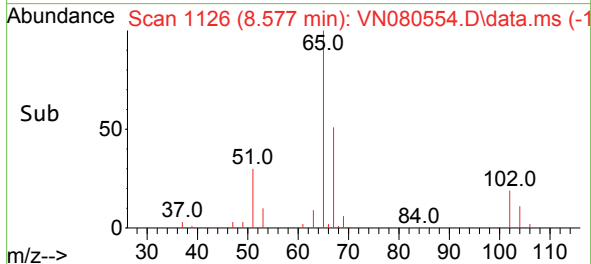
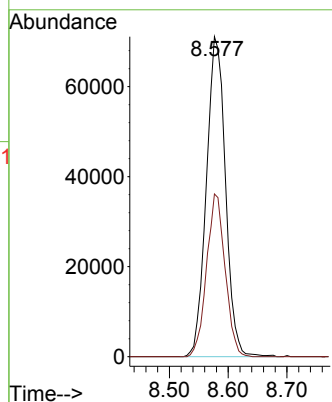
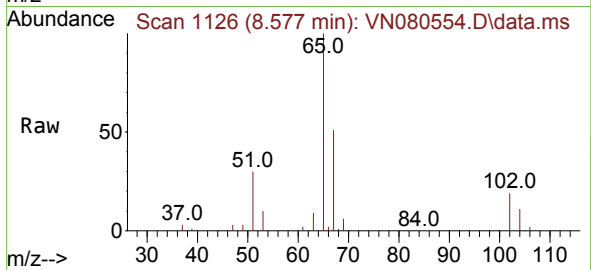




#33
 1,2-Dichloroethane-d4
 Concen: 57.660 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080554.D
 Acq: 20 Dec 2023 18:05

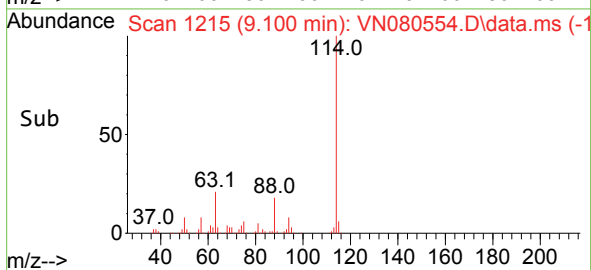
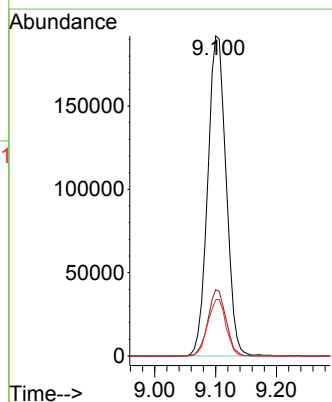
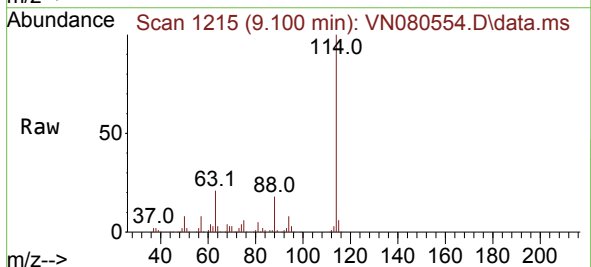
Instrument :
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 ClientSampleId :

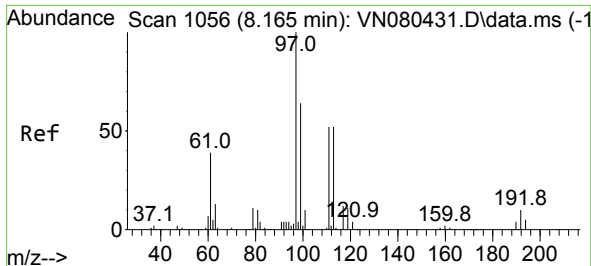
Tgt Ion: 65 Resp: 160364
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080554.D
 Acq: 20 Dec 2023 18:05

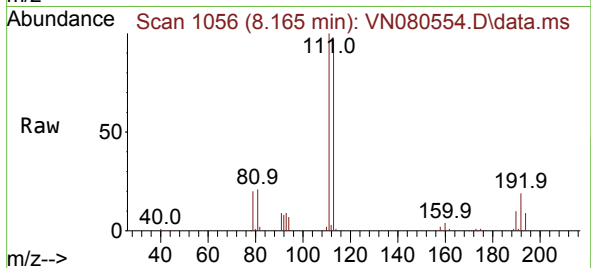
Tgt Ion: 114 Resp: 403225
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 36.4
 88 17.6 0.0 30.6



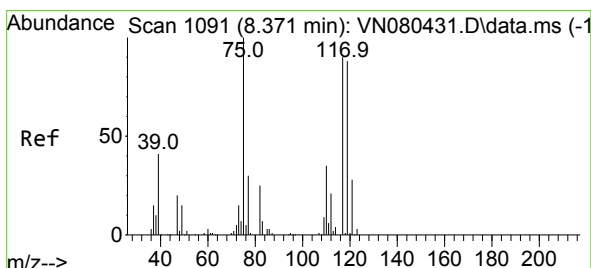
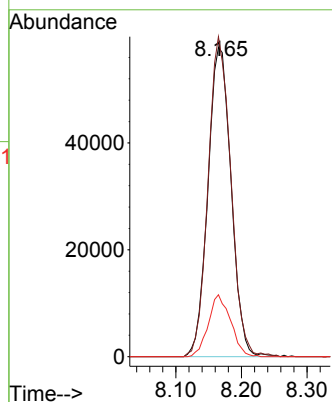
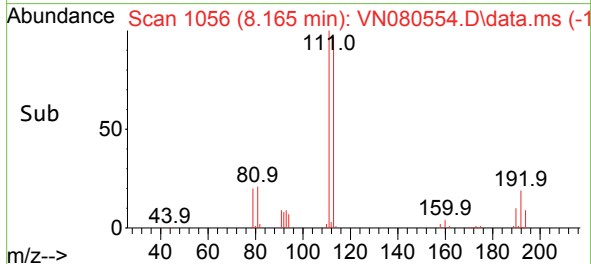


#35
Dibromofluoromethane
Concen: 55.683 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Instrument :
MSVOA_N
ClientSampleId :

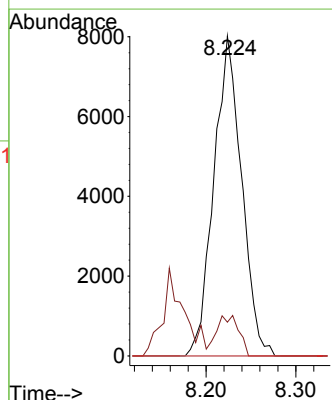
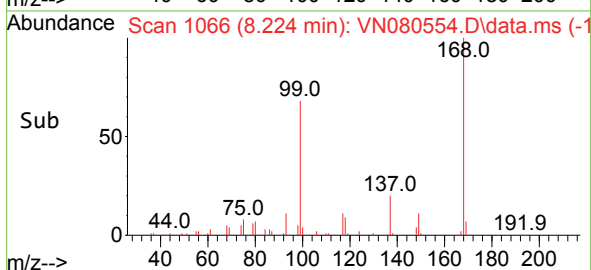
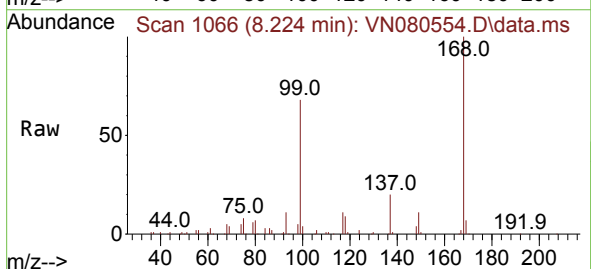


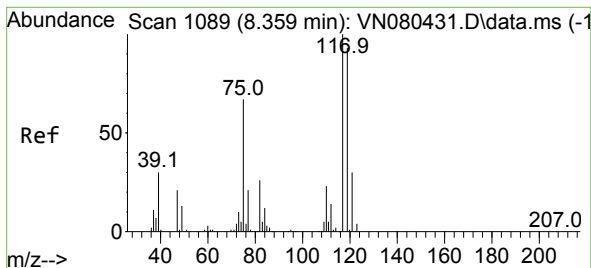
Tgt Ion:113 Resp: 142359
Ion Ratio Lower Upper
113 100
111 101.5 82.6 123.8
192 19.2 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.122 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion: 75 Resp: 17230
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.701 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.135 min

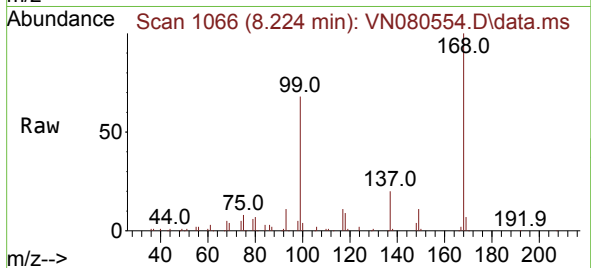
Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :



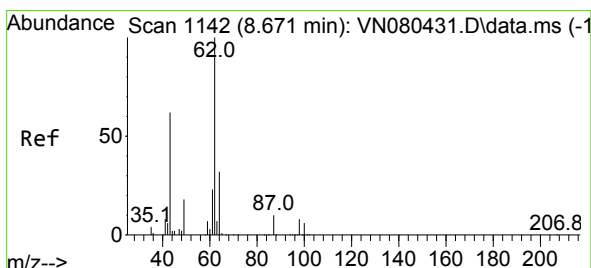
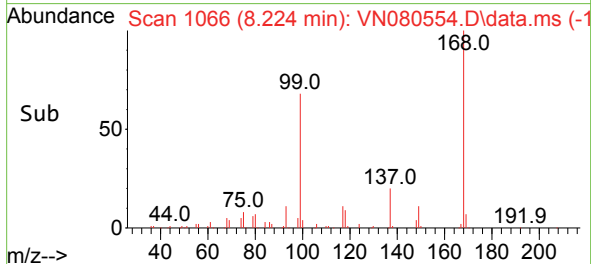
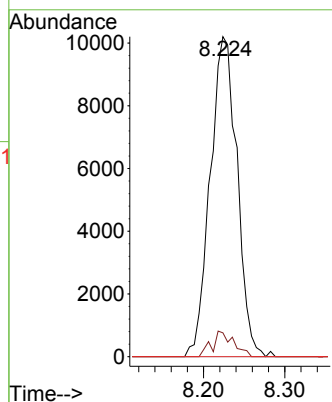
Tgt Ion:117 Resp: 23483

Ion Ratio Lower Upper

117 100

119 7.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 1.027 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN080554.D

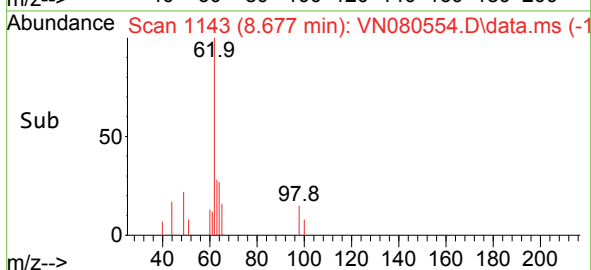
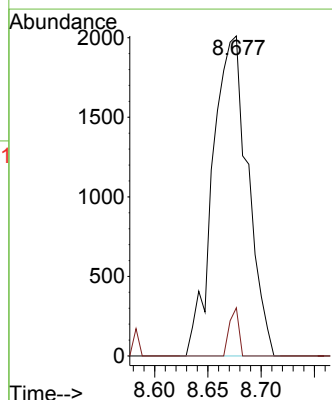
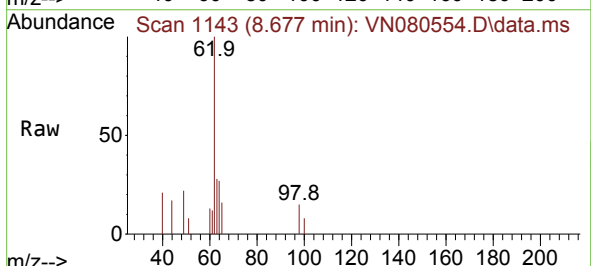
Acq: 20 Dec 2023 18:05

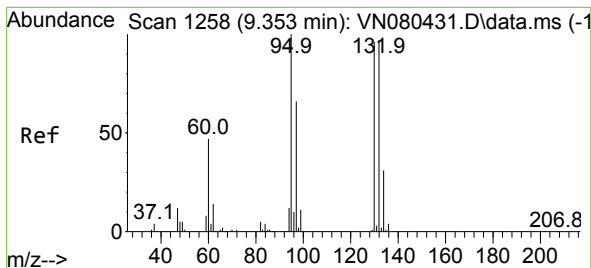
Tgt Ion: 62 Resp: 4589

Ion Ratio Lower Upper

62 100

98 4.0 0.0 19.8





#44

Trichloroethene

Concen: 13.579 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

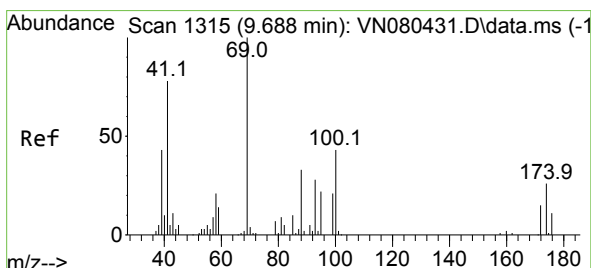
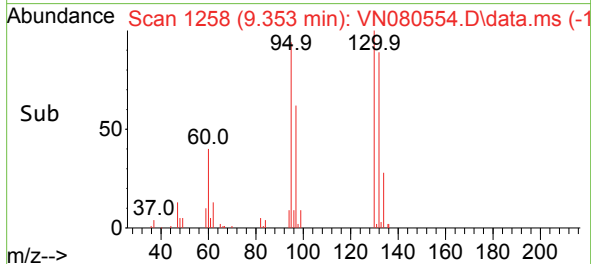
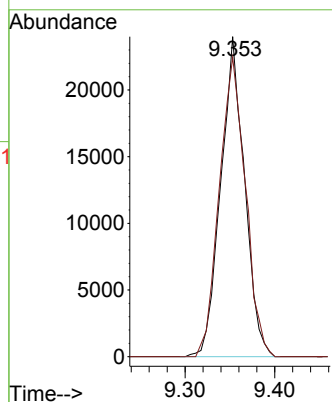
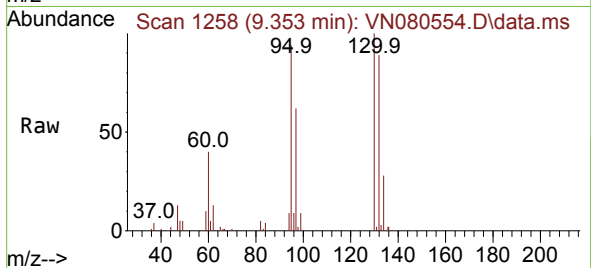
ClientSampleId :

Tgt Ion:130 Resp: 44187

Ion Ratio Lower Upper

130 100

95 93.5 0.0 204.6



#49

1,4-Dioxane

Concen: 6.366 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

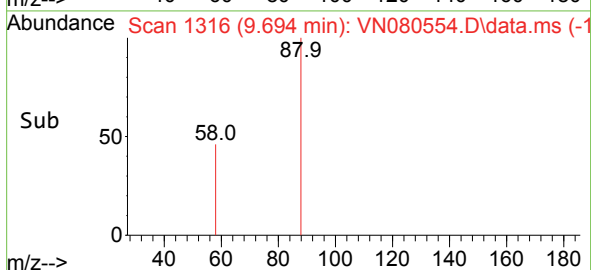
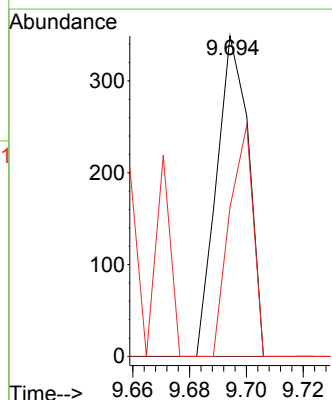
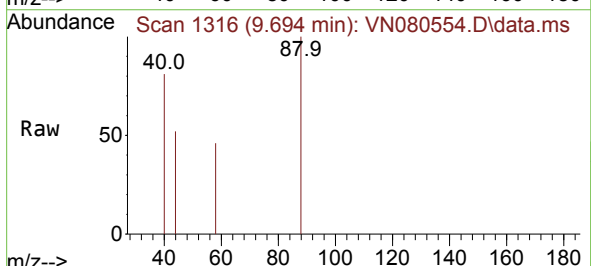
Tgt Ion: 88 Resp: 271

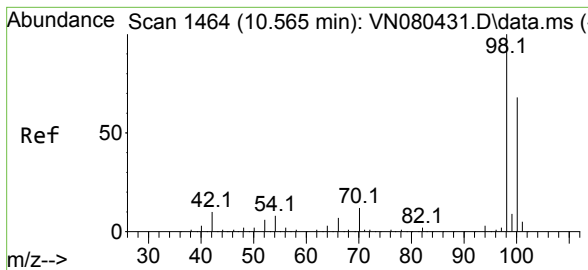
Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 53.9 47.0 70.4

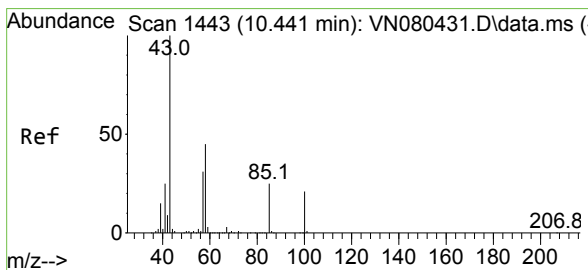
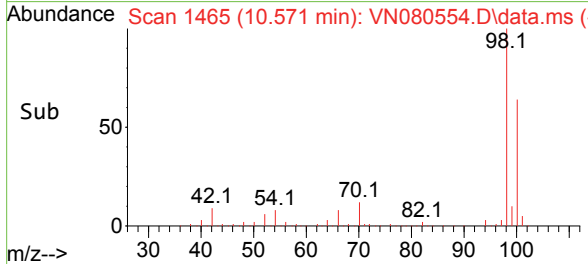
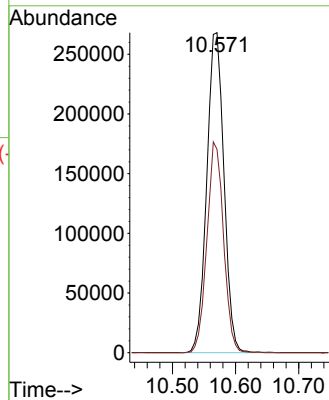
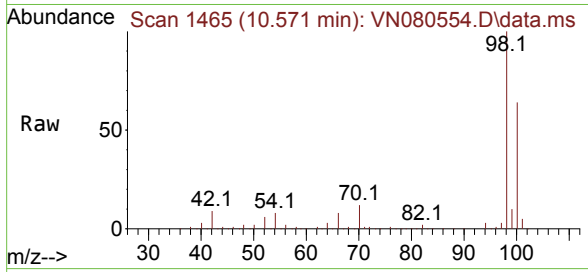




#50
Toluene-d8
Concen: 53.155 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

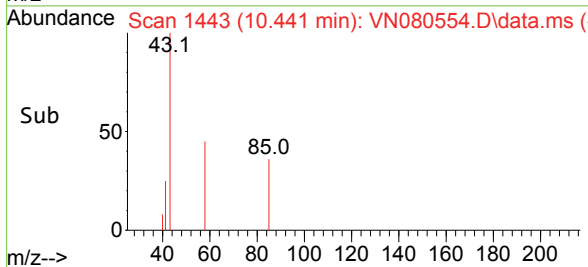
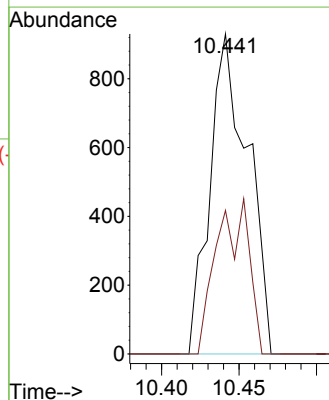
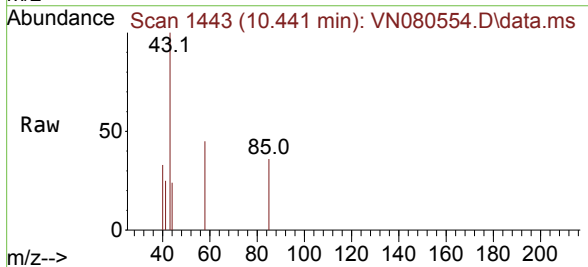
Instrument :
MSVOA_N
ClientSampleId :

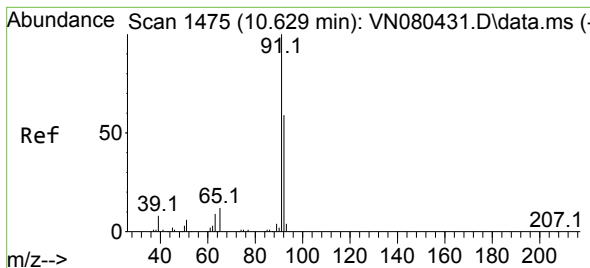
Tgt Ion: 98 Resp: 506828
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 41.3 36.6 54.8





#52

Toluene

Concen: 69.740 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

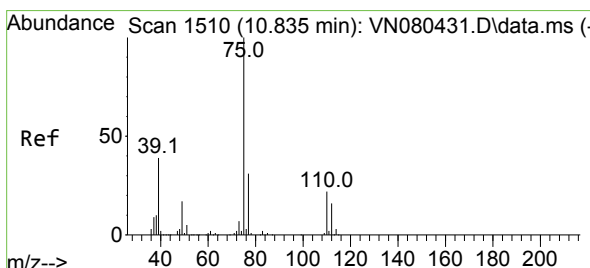
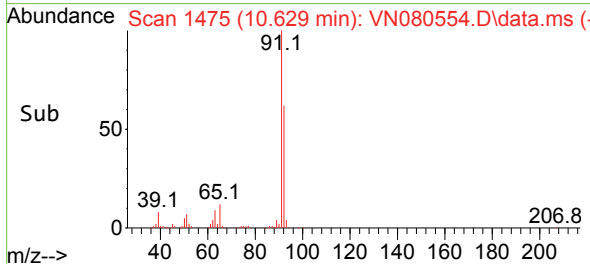
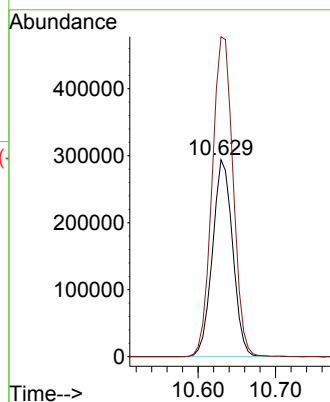
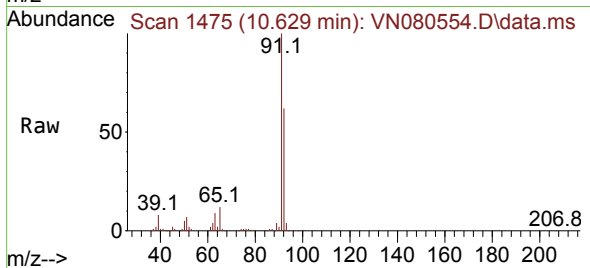
ClientSampleId :

Tgt Ion: 92 Resp: 531814

Ion Ratio Lower Upper

92 100

91 168.9 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 1.548 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.206 min

Lab File: VN080554.D

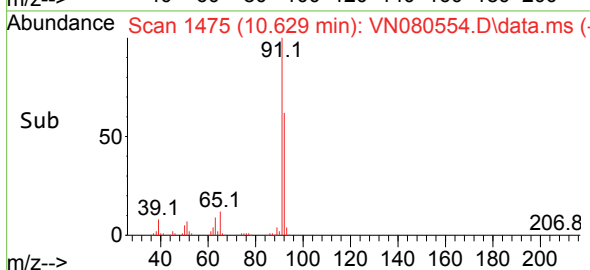
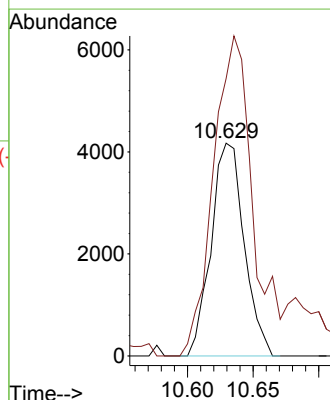
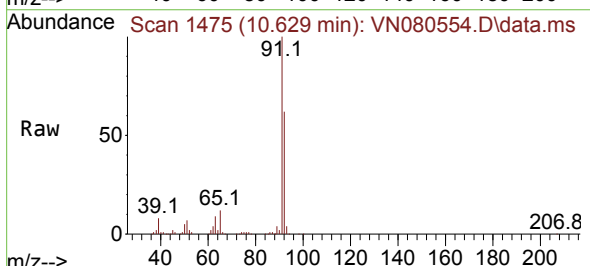
Acq: 20 Dec 2023 18:05

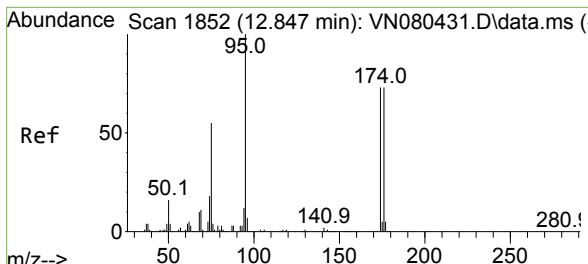
Tgt Ion: 75 Resp: 7306

Ion Ratio Lower Upper

75 100

77 130.3 25.4 38.0#

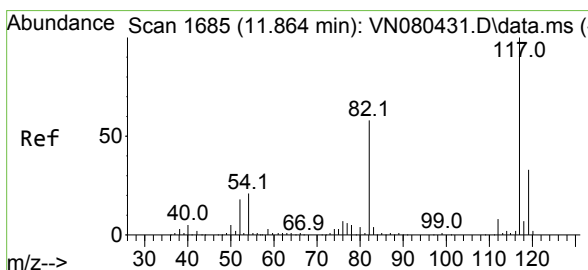
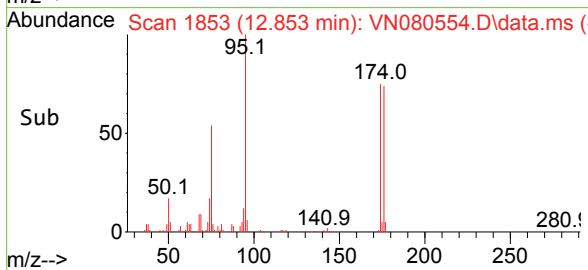
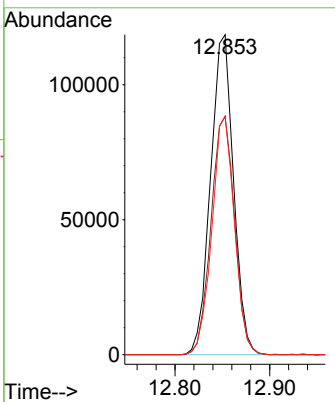
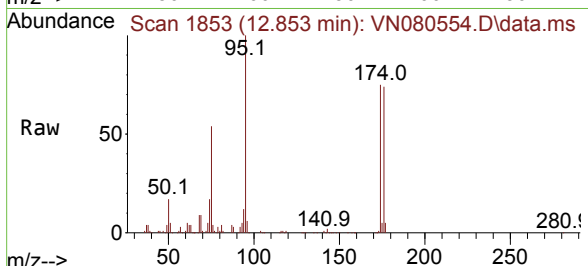




#62
4-Bromofluorobenzene
Concen: 55.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

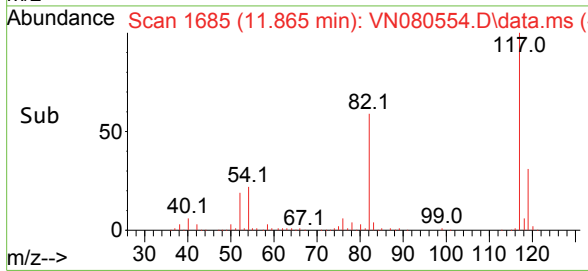
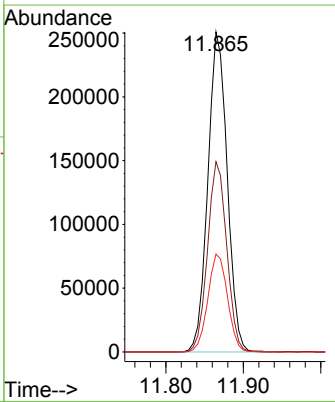
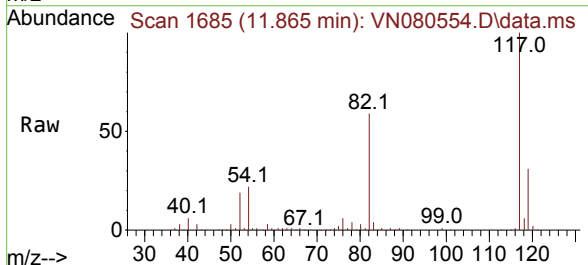
Instrument :
MSVOA_N
ClientSampleId :

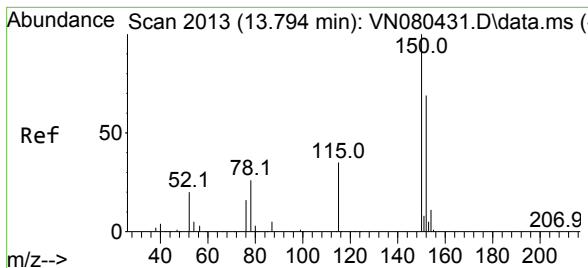
Tgt Ion:	95	Resp:	199761
Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	143.8
176	73.1	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion:	117	Resp:	434442
Ion	Ratio	Lower	Upper
117	100		
82	59.4	44.0	66.0
119	30.6	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN080554.D

Acq: 20 Dec 2023 18:05

Instrument :

MSVOA_N

ClientSampleId :

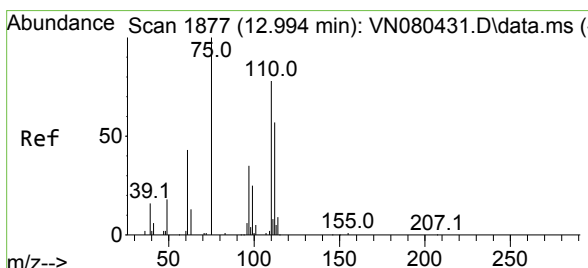
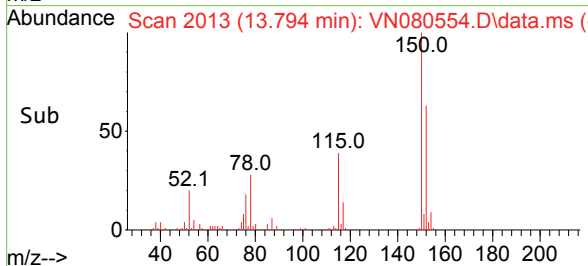
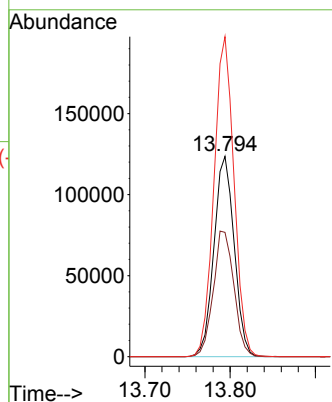
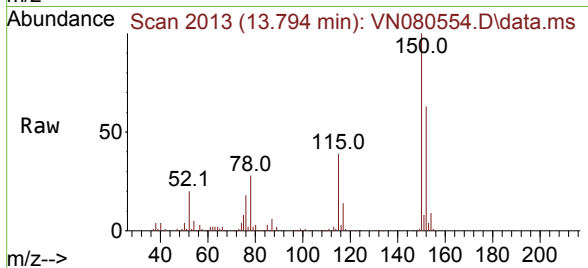
Tgt Ion:152 Resp: 204742

Ion Ratio Lower Upper

152 100

115 63.7 32.3 96.8

150 157.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.997 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080554.D

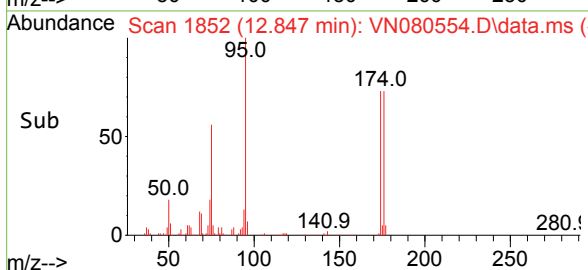
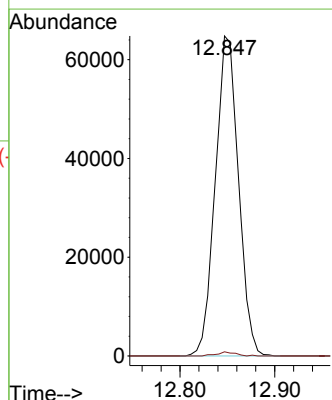
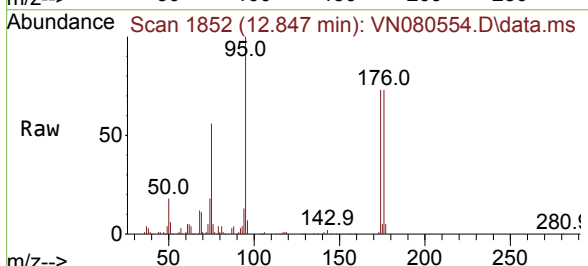
Acq: 20 Dec 2023 18:05

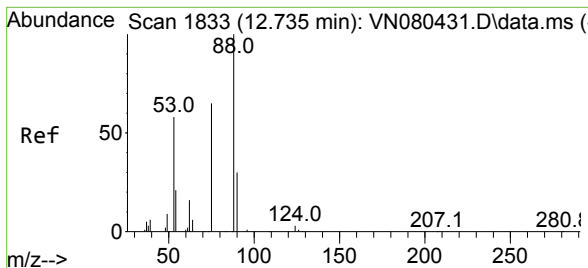
Tgt Ion: 75 Resp: 110268

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

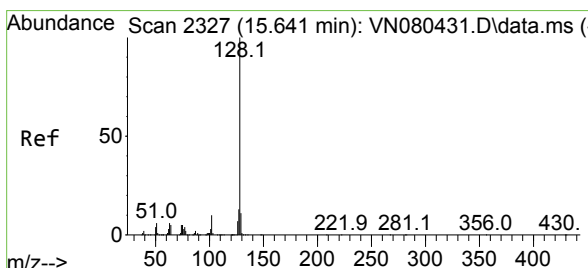
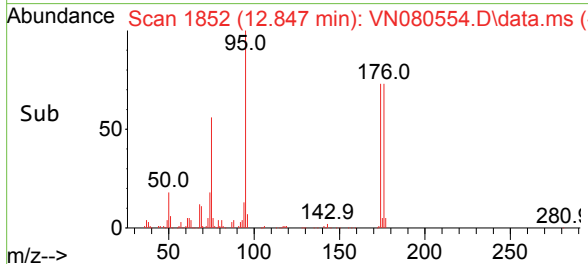
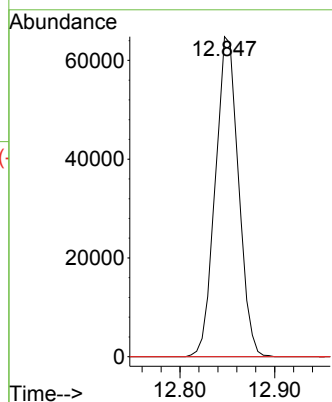
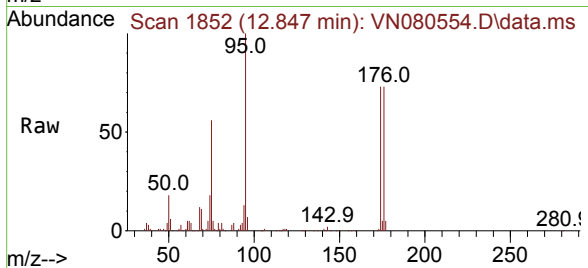




#81
trans-1,4-Dichloro-2-butene
Concen: 70.882 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 110268
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.824 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080554.D
Acq: 20 Dec 2023 18:05

Tgt Ion:128 Resp: 20817
Ion Ratio Lower Upper
128 100
127 13.5 10.0 15.0
129 11.7 8.7 13.1

