

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081466.D
 Acq On : 19 Mar 2024 13:23
 Operator : JC\MD
 Sample : P1769-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Quant Time: Mar 20 01:16:46 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

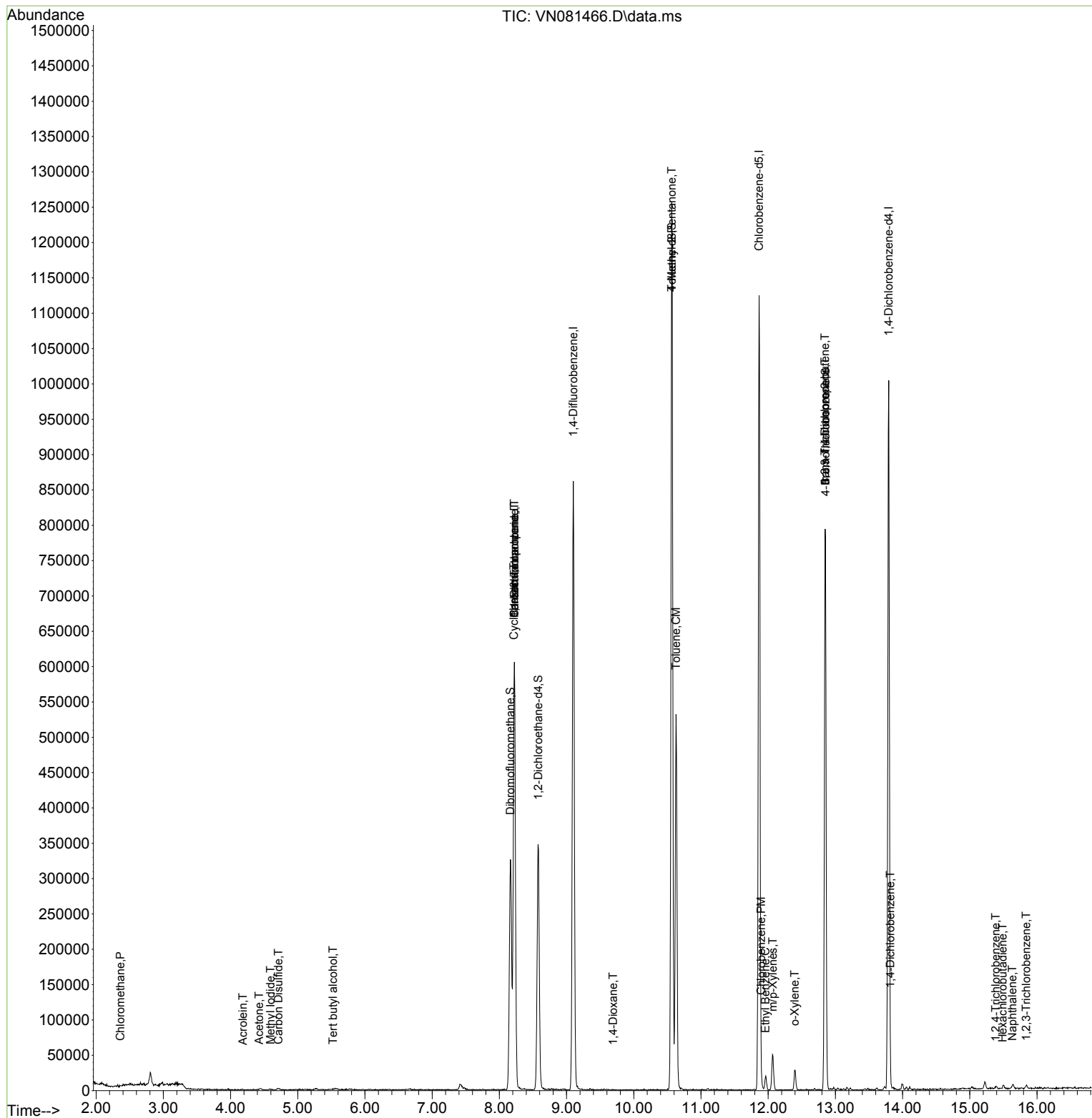
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	441370	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	752395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	651440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	281244	49.967	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.940%
35) Dibromofluoromethane	8.165	113	230017	48.441	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.880%
50) Toluene-d8	10.565	98	877679	51.132	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.260%
62) 4-Bromofluorobenzene	12.853	95	276683	45.746	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.500%
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	1252	0.212	ug/l	# 73
10) Methyl Iodide	4.595	142	1405	0.251	ug/l	# 84
11) Tert butyl alcohol	5.524	59	276	0.281	ug/l	# 72
13) Acrolein	4.183	56	190	0.216	ug/l	# 15
16) Acetone	4.424	43	969	0.533	ug/l	# 44
17) Carbon Disulfide	4.712	76	4199	0.281	ug/l	# 78
31) Cyclohexane	8.218	56	10706	1.169	ug/l	# 44
36) 1,1-Dichloropropene	8.224	75	36329	4.546	ug/l	# 53
38) Carbon Tetrachloride	8.224	117	48338	5.522	ug/l	# 16
49) 1,4-Dioxane	9.694	88	106	0.843	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.565	43	3987	0.576	ug/l	# 1
52) Toluene	10.629	92	225089	15.159	ug/l	96
65) Chlorobenzene	11.894	112	5950	0.386	ug/l	99
67) Ethyl Benzene	11.959	91	13380	0.500	ug/l	91
68) m/p-Xylenes	12.071	106	16859	1.681	ug/l	85
69) o-Xylene	12.394	106	8106	0.823	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	147459	23.523	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	147459	63.568	ug/l	# 14
88) 1,4-Dichlorobenzene	13.818	146	2459	0.234	ug/l	# 36
93) 1,2,4-Trichlorobenzene	15.388	180	1585	0.281	ug/l	84
94) Hexachlorobutadiene	15.488	225	651	0.263	ug/l	# 17
95) Naphthalene	15.635	128	6322	0.346	ug/l	# 88
96) 1,2,3-Trichlorobenzene	15.841	180	1581	0.279	ug/l	# 73

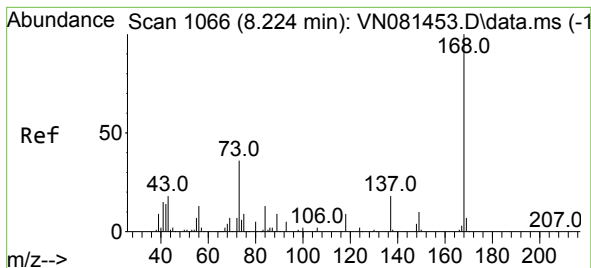
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

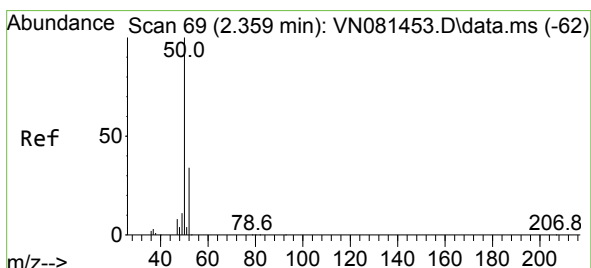
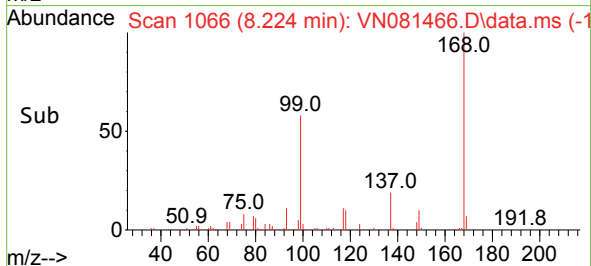
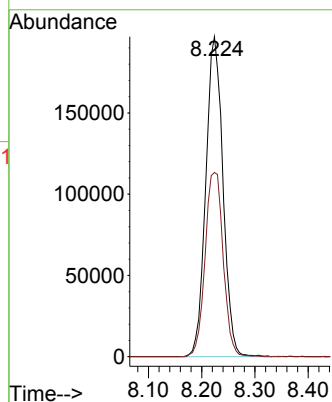
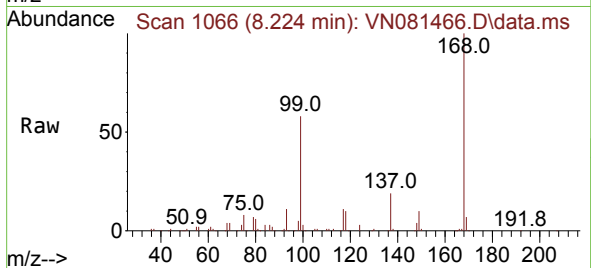
MW-1DL

Tgt Ion:168 Resp: 441370

Ion Ratio Lower Upper

168 100

99 57.6 59.9 89.9#



#3

Chloromethane

Concen: 0.212 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081466.D

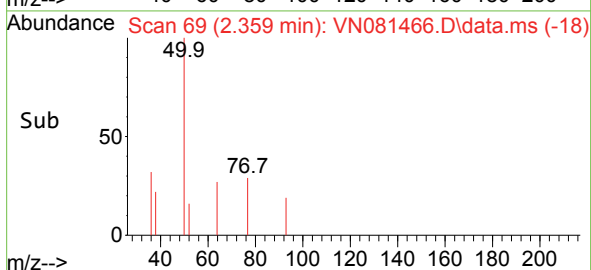
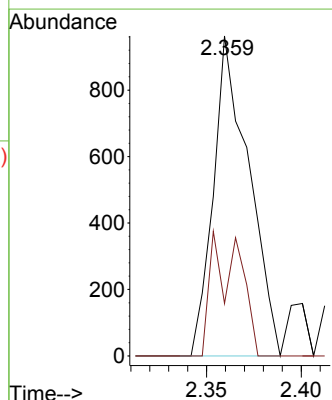
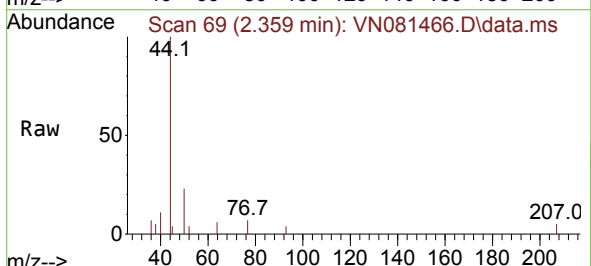
Acq: 19 Mar 2024 13:23

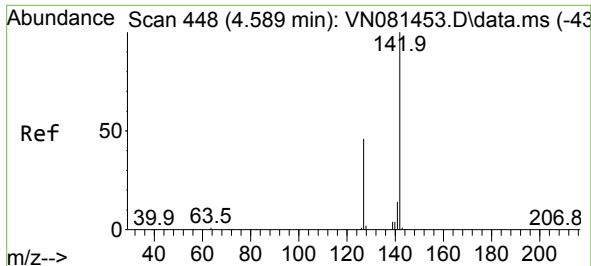
Tgt Ion: 50 Resp: 1252

Ion Ratio Lower Upper

50 100

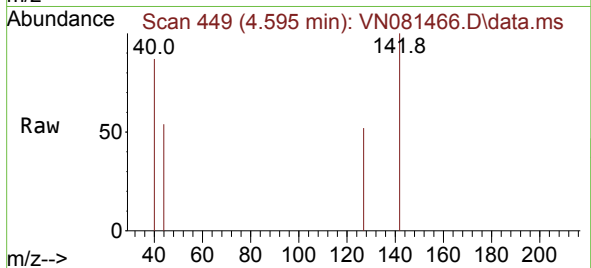
52 16.4 25.0 37.4#



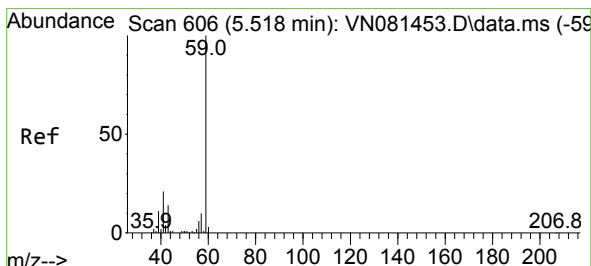
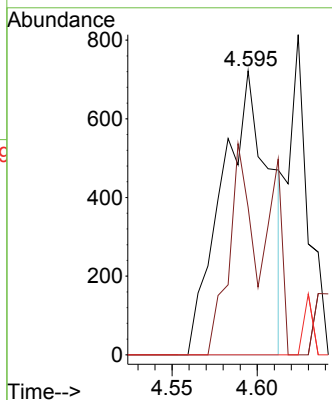
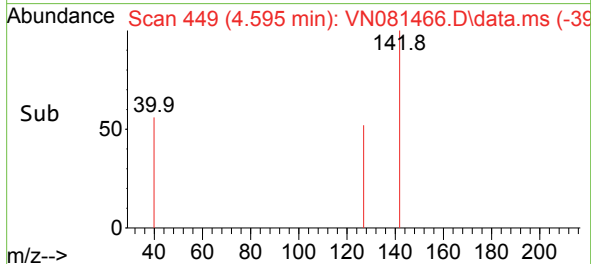


#10
Methyl Iodide
Concen: 0.251 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

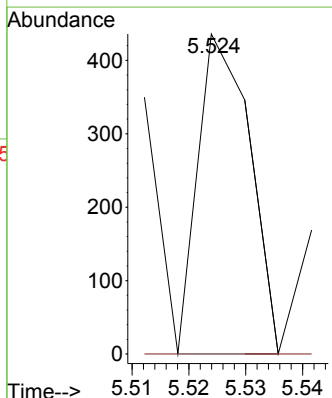
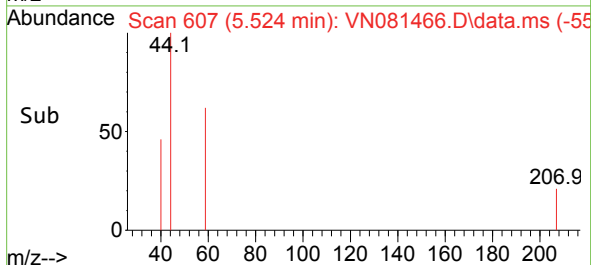
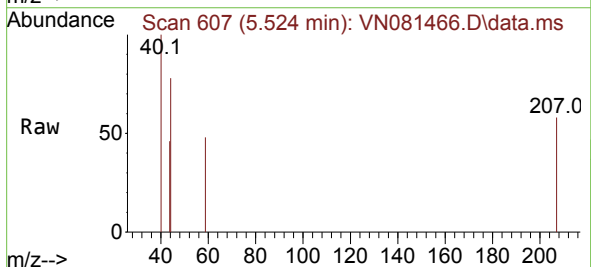


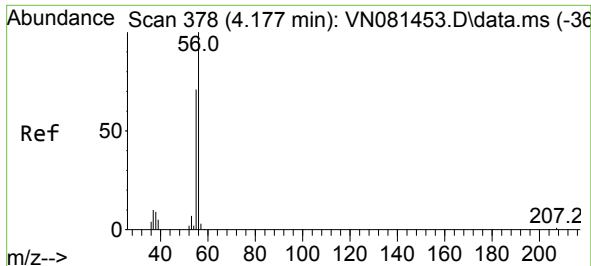
Tgt Ion:142 Resp: 1405
Ion Ratio Lower Upper
142 100
127 51.9 37.0 55.4
141 0.0 12.5 18.7#



#11
Tert butyl alcohol
Concen: 0.281 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

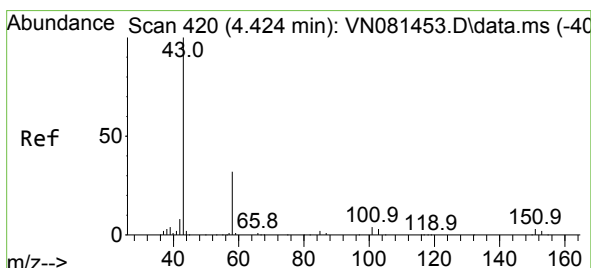
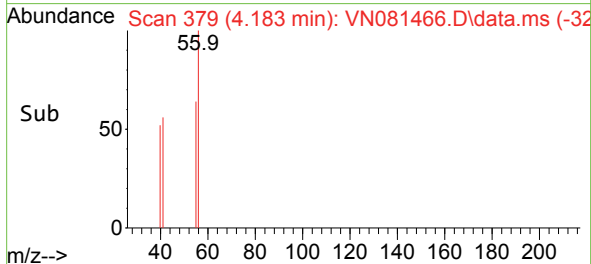
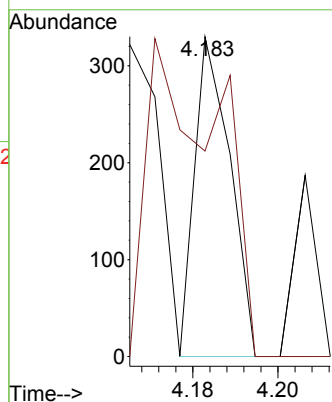
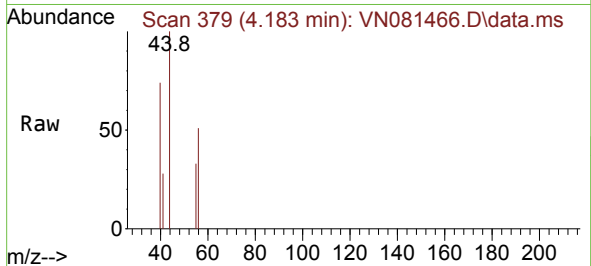




#13
Acrolein
Concen: 0.216 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

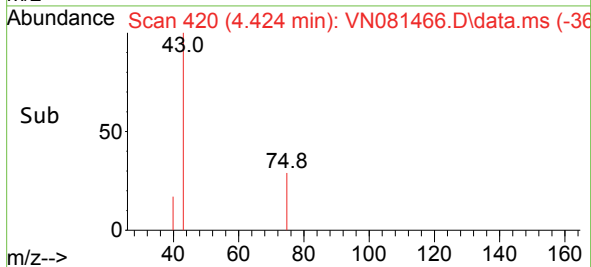
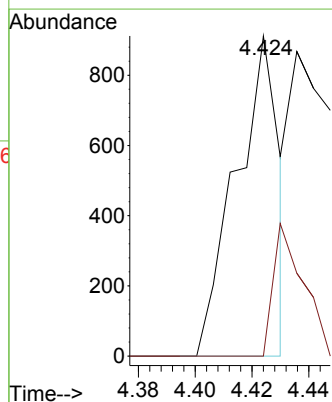
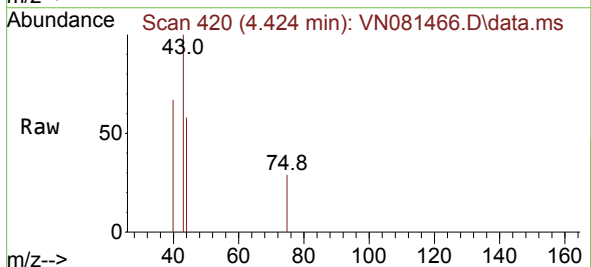
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

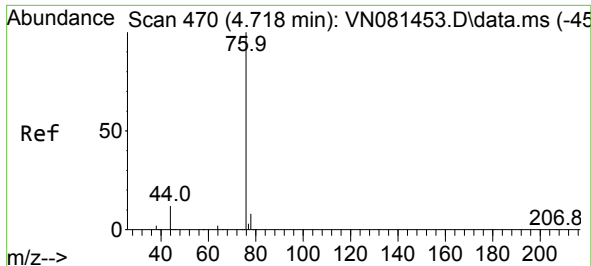
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 0.533 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

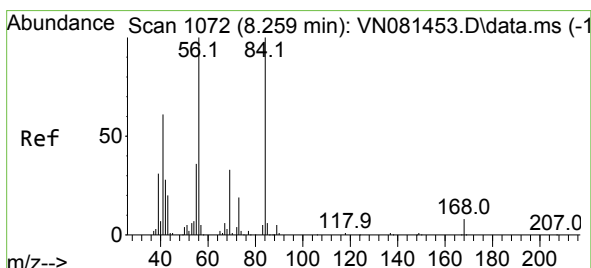
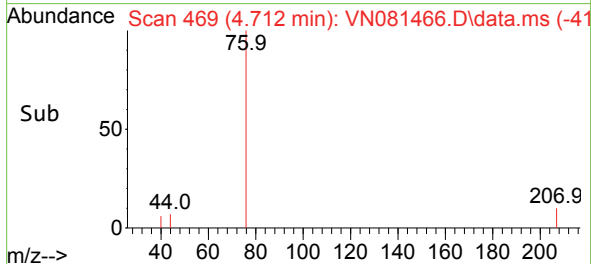
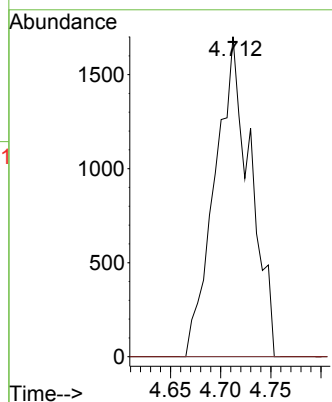
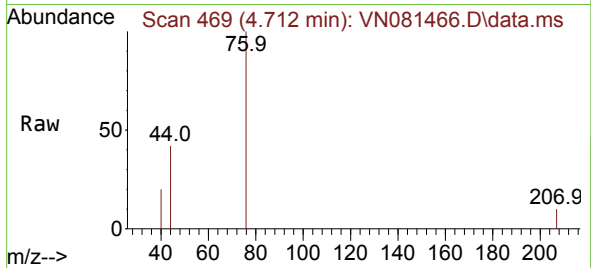




#17
Carbon Disulfide
Concen: 0.281 ug/l
RT: 4.712 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

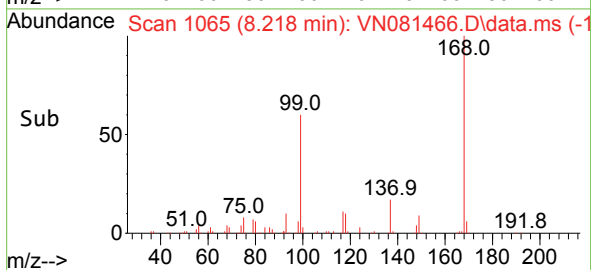
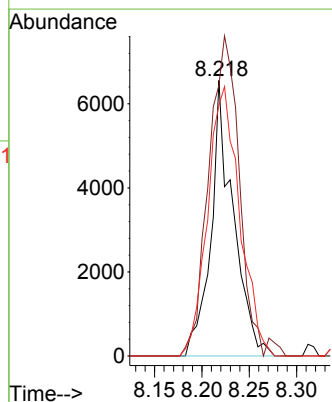
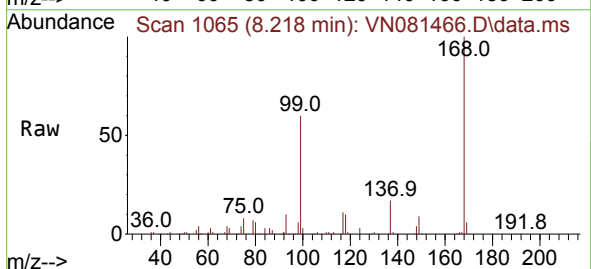
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

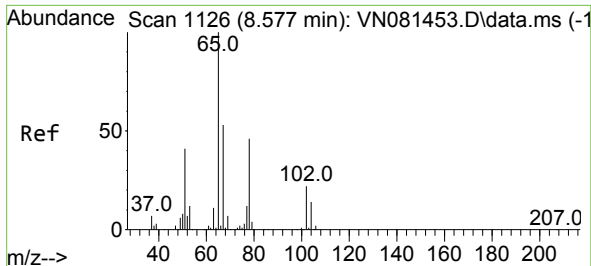
Tgt Ion: 76 Resp: 4199
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 56 Resp: 10706
Ion Ratio Lower Upper
56 100
69 98.2 20.1 30.1#
84 91.1 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.967 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

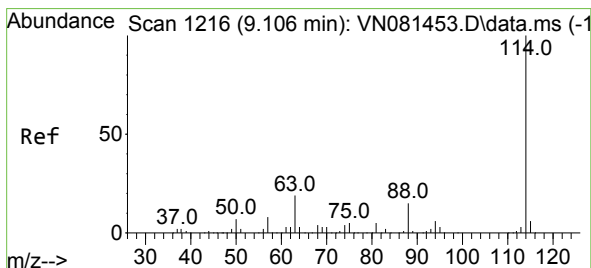
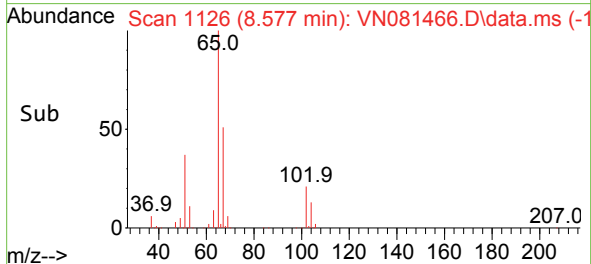
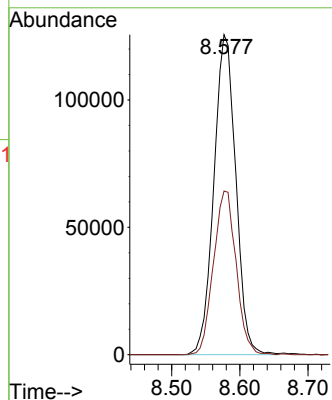
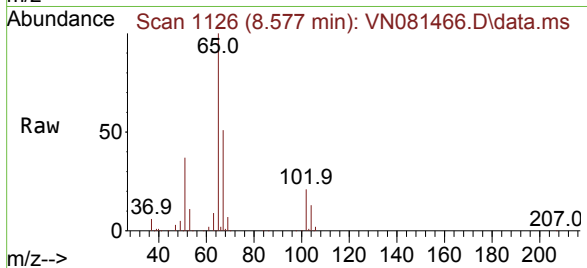
MW-1DL

Tgt Ion: 65 Resp: 281244

Ion Ratio Lower Upper

65 100

67 52.8 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: VN081466.D

Acq: 19 Mar 2024 13:23

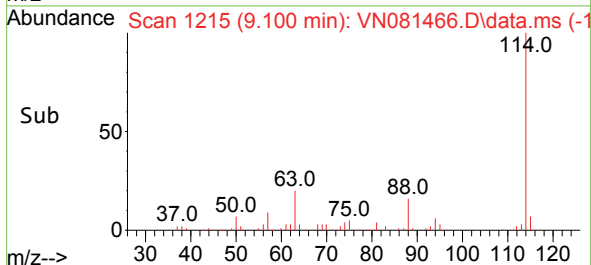
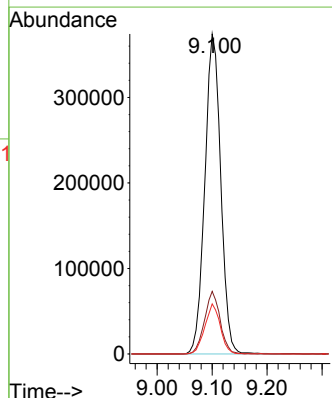
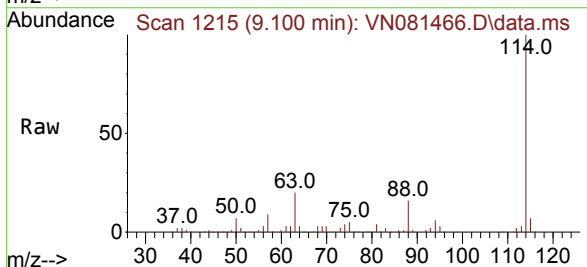
Tgt Ion: 114 Resp: 752395

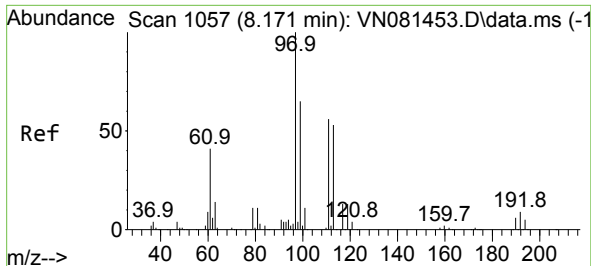
Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 15.7 0.0 34.8

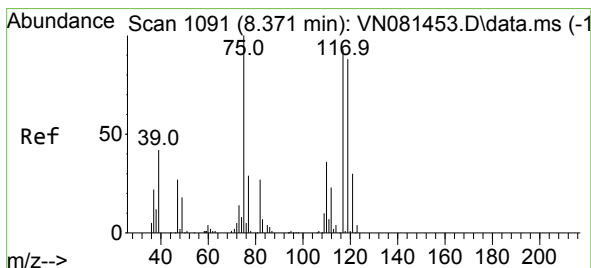
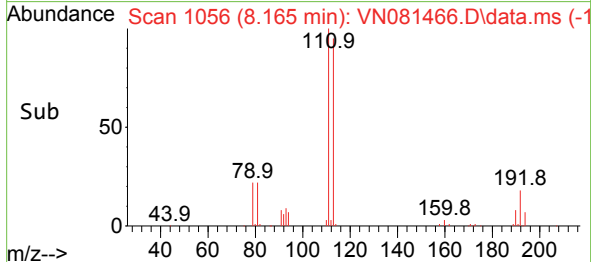
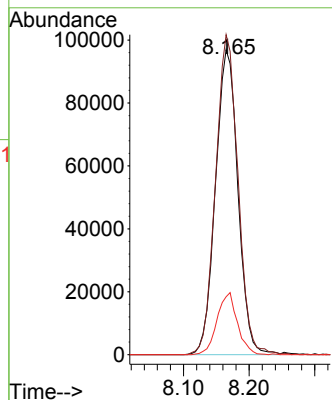
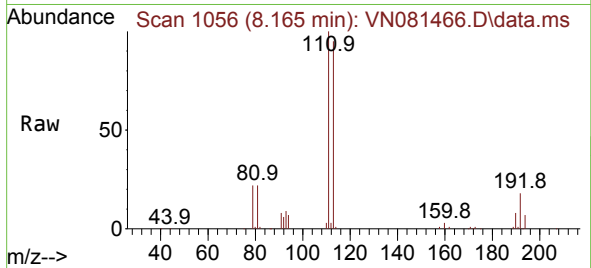




#35
Dibromofluoromethane
Concen: 48.441 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

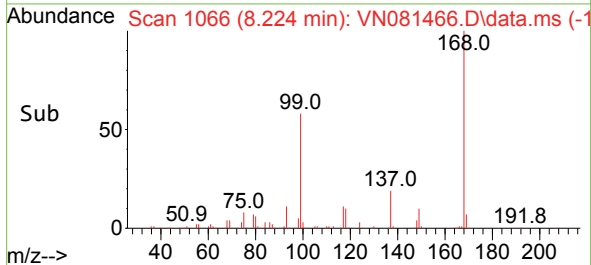
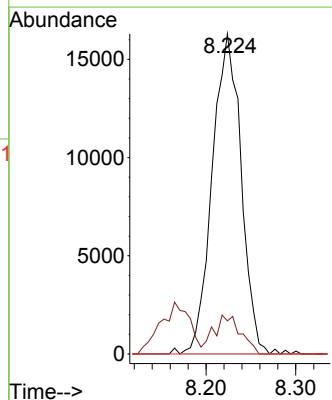
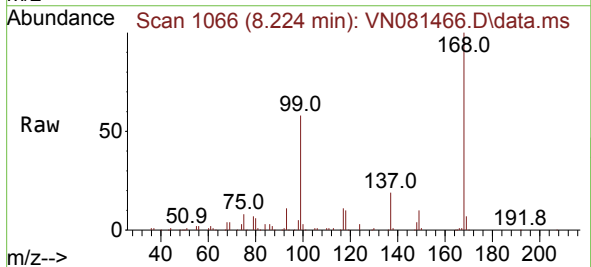
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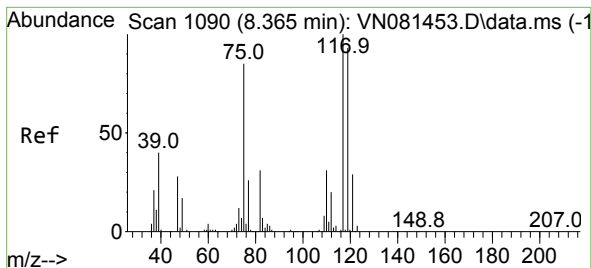
Tgt Ion:113 Resp: 230017
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.4
192 18.4 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 75 Resp: 36329
Ion Ratio Lower Upper
75 100
110 11.3 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.522 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

MW-1DL

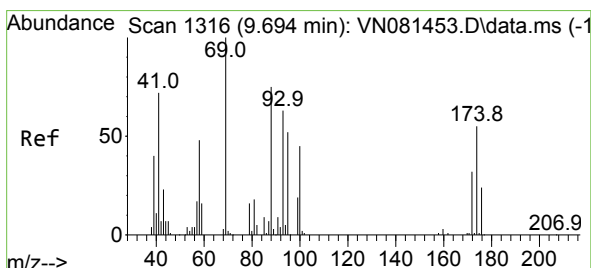
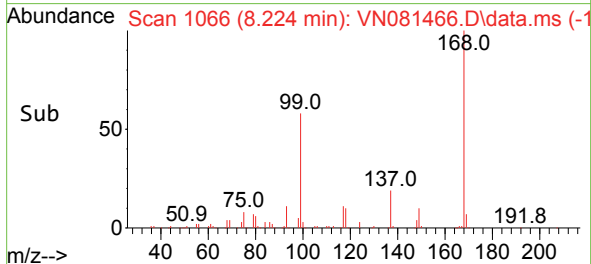
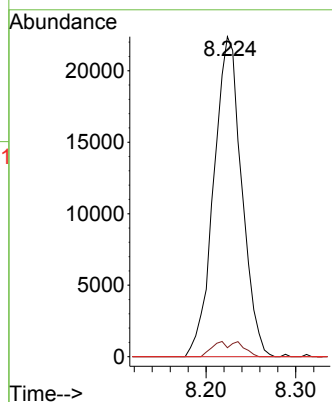
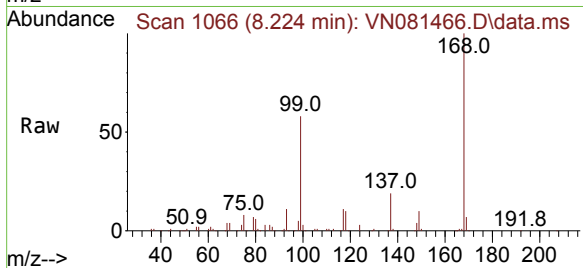
Tgt Ion:117 Resp: 48338

Ion Ratio Lower Upper

117 100

119 2.8 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 0.843 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

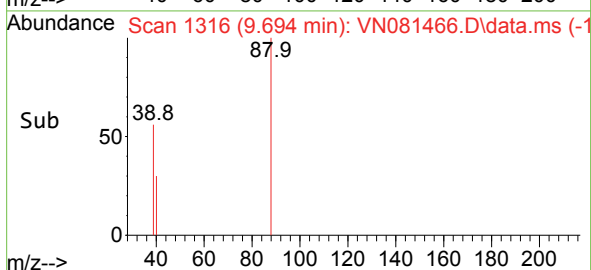
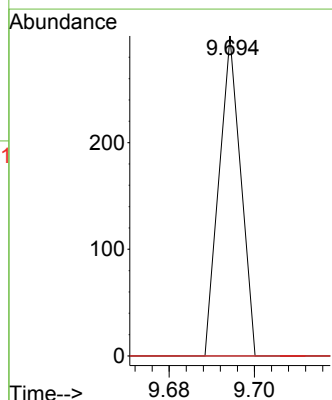
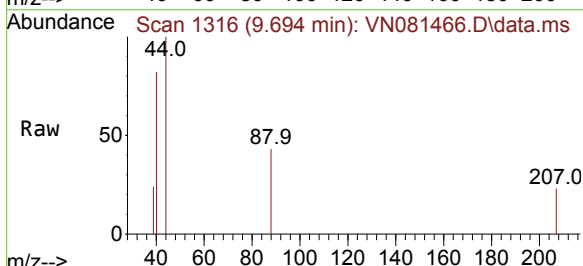
Tgt Ion: 88 Resp: 106

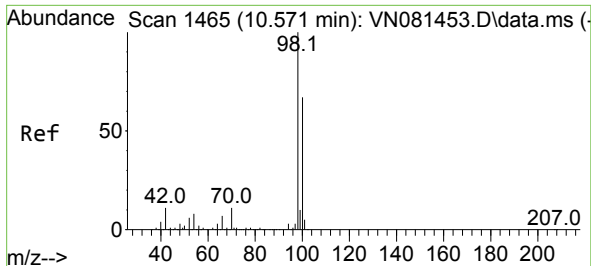
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

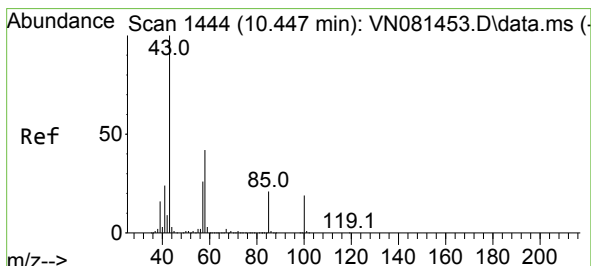
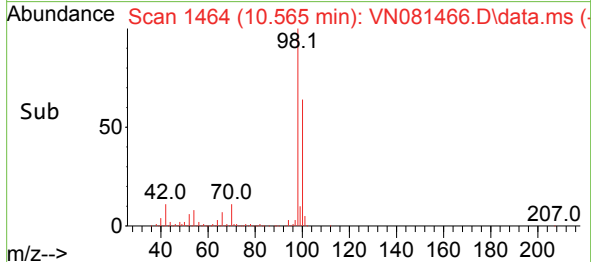
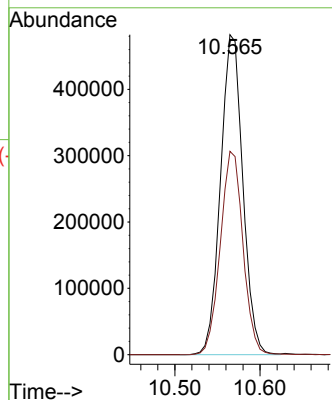
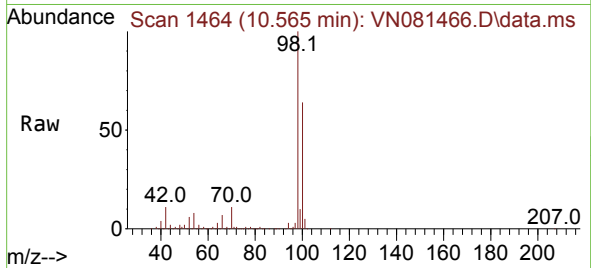




#50
Toluene-d8
Concen: 51.132 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

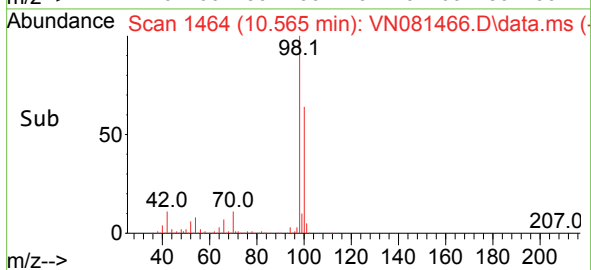
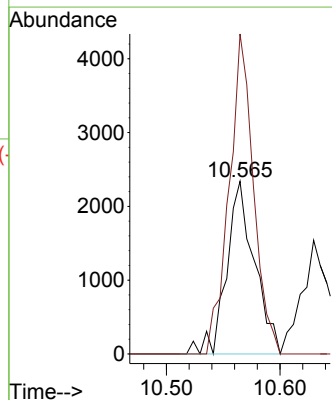
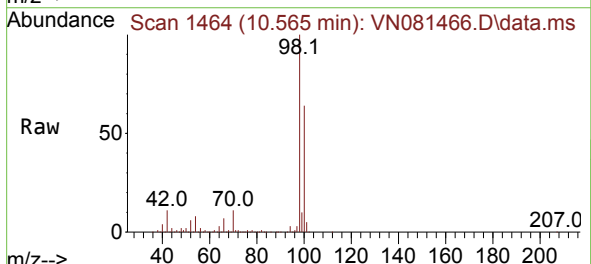
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

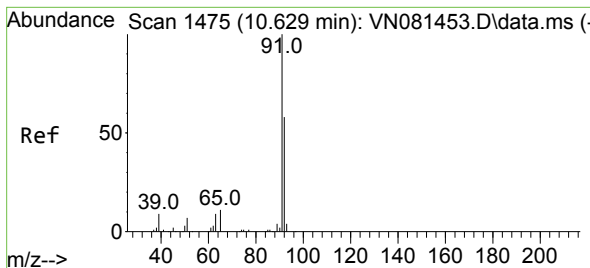
Tgt Ion: 98 Resp: 877679
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 43 Resp: 3987
Ion Ratio Lower Upper
43 100
58 162.7 29.4 44.0#





#52

Toluene

Concen: 15.159 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

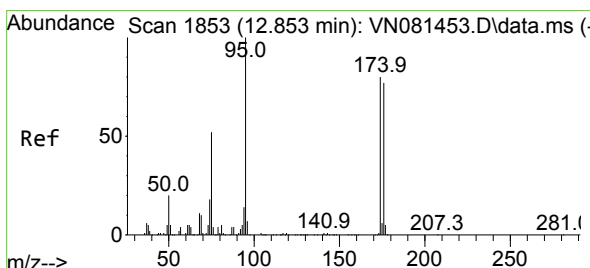
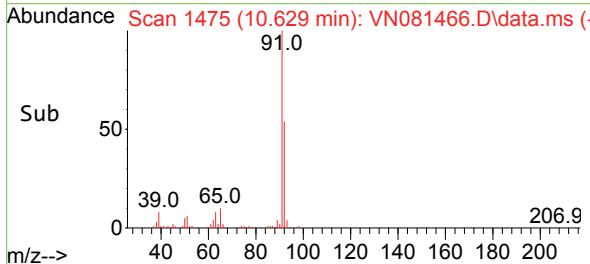
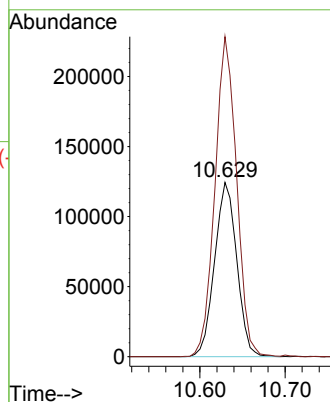
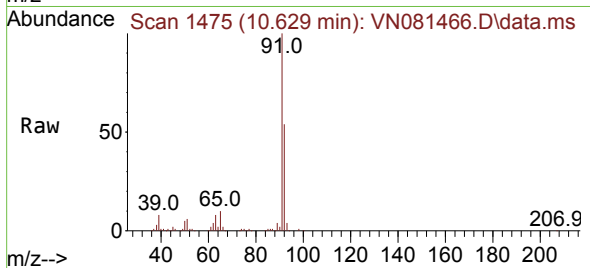
MW-1DL

Tgt Ion: 92 Resp: 225089

Ion Ratio Lower Upper

92 100

91 179.4 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 45.746 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

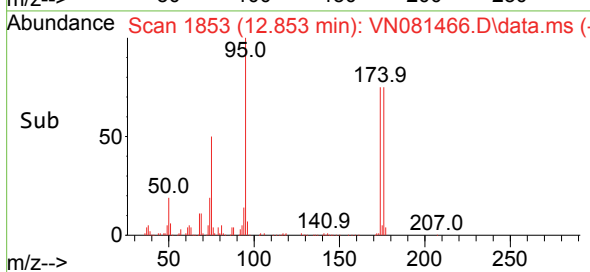
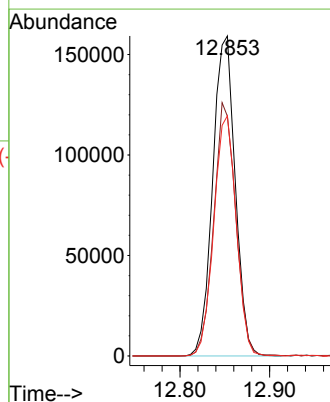
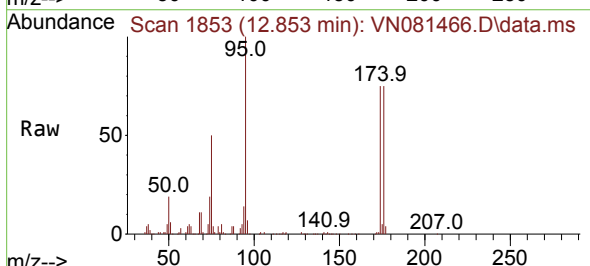
Tgt Ion: 95 Resp: 276683

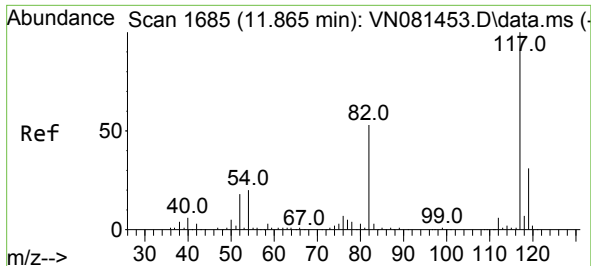
Ion Ratio Lower Upper

95 100

174 77.5 0.0 120.4

176 74.9 0.0 121.0

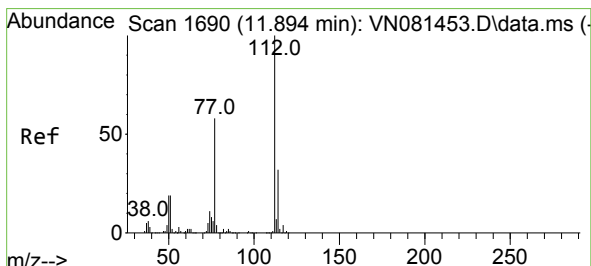
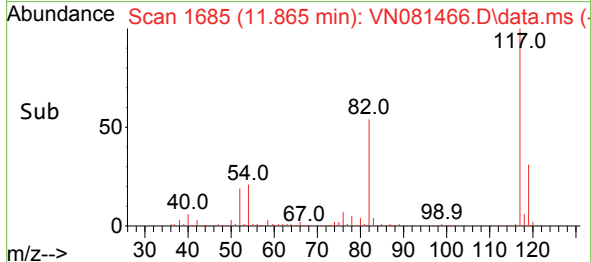
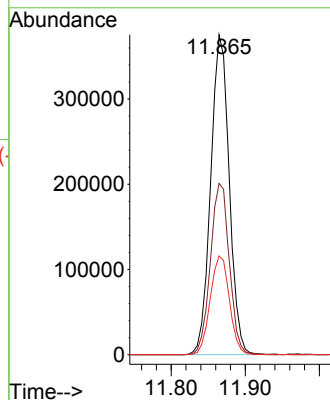
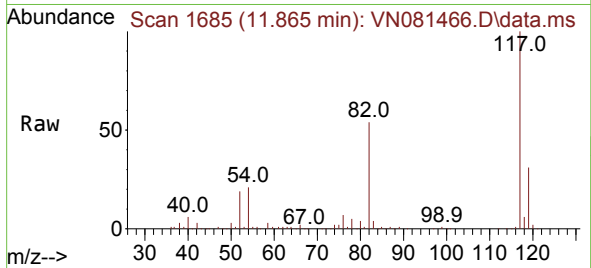




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

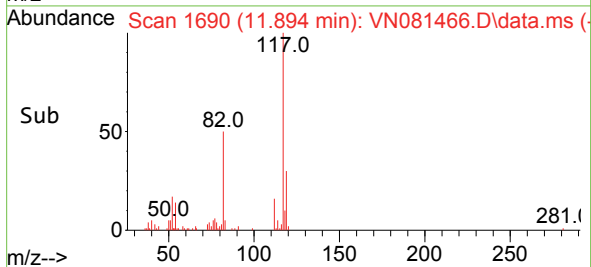
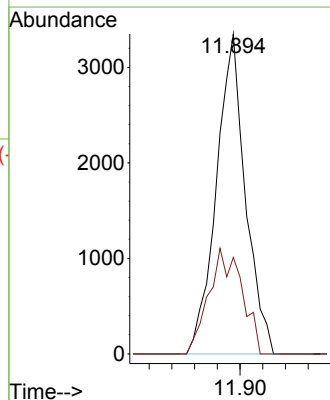
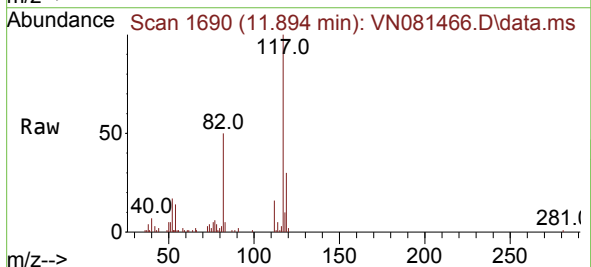
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

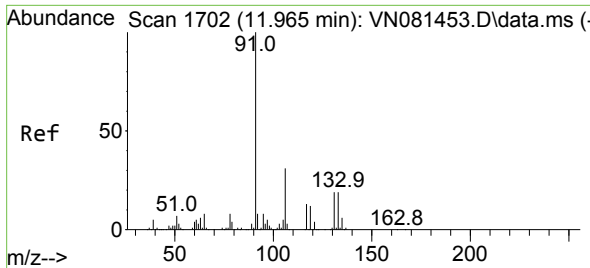
Tgt Ion:117 Resp: 651440
Ion Ratio Lower Upper
117 100
82 53.5 52.7 79.1
119 30.9 25.3 37.9



#65
Chlorobenzene
Concen: 0.386 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion:112 Resp: 5950
Ion Ratio Lower Upper
112 100
114 30.1 23.7 35.5

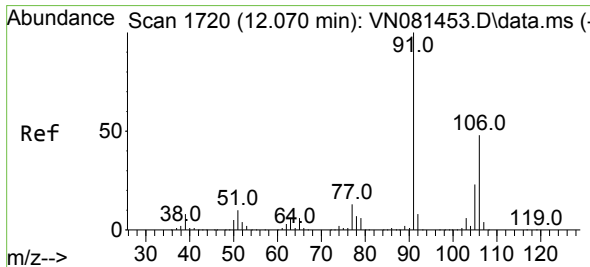
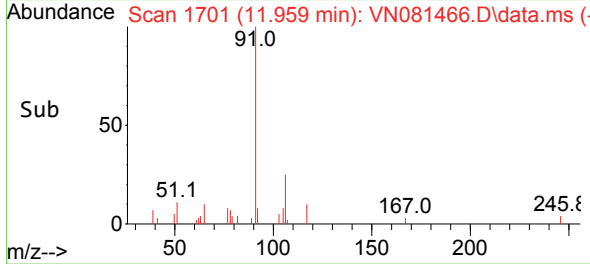
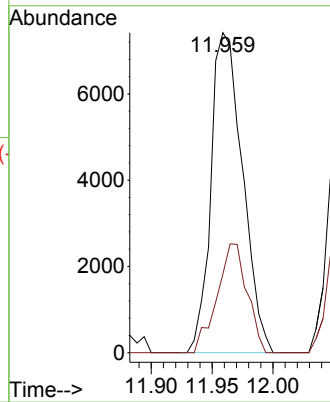
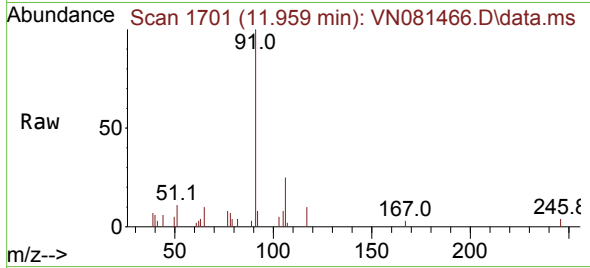




#67
Ethyl Benzene
Concen: 0.500 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

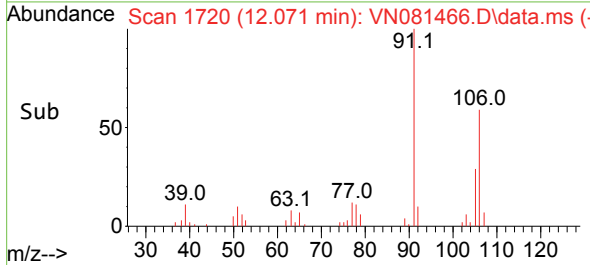
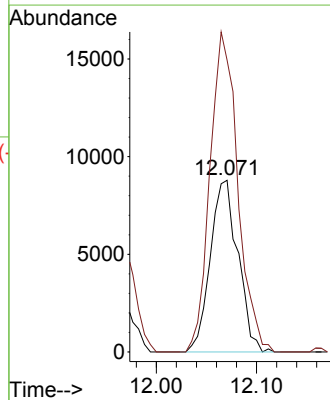
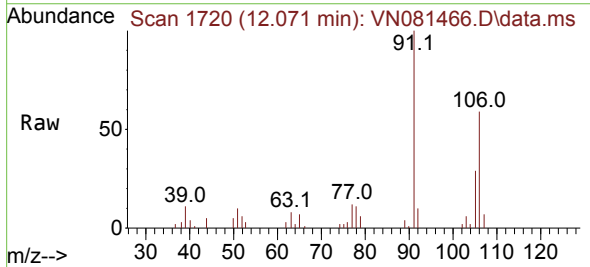
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

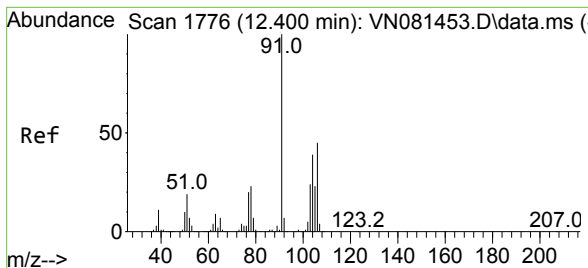
Tgt Ion: 91 Resp: 13380
Ion Ratio Lower Upper
91 100
106 24.6 23.8 35.6



#68
m/p-Xylenes
Concen: 1.681 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion:106 Resp: 16859
Ion Ratio Lower Upper
106 100
91 187.4 169.0 253.6





#69

o-Xylene

Concen: 0.823 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

Instrument :

MSVOA_N

ClientSampleId :

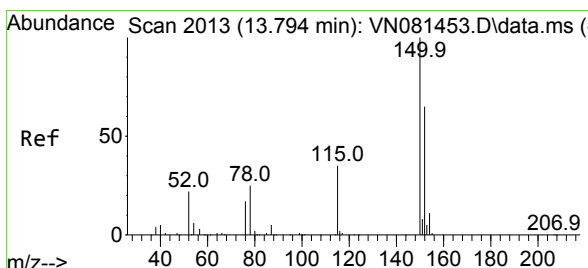
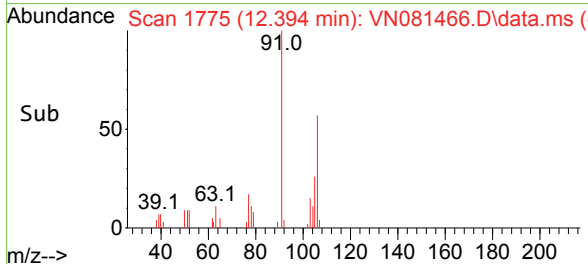
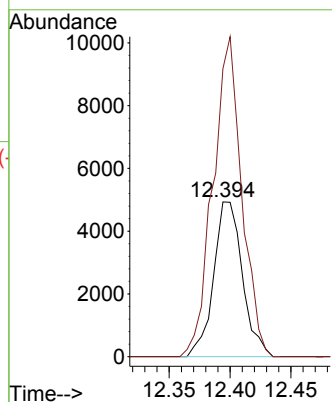
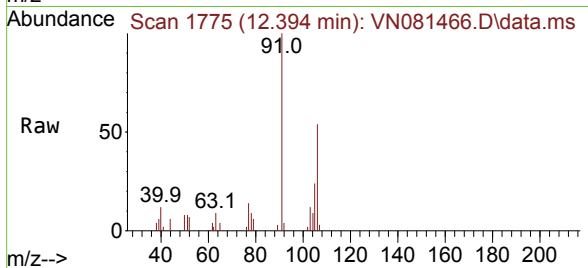
MW-1DL

Tgt Ion:106 Resp: 8106

Ion Ratio Lower Upper

106 100

91 207.6 112.1 336.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081466.D

Acq: 19 Mar 2024 13:23

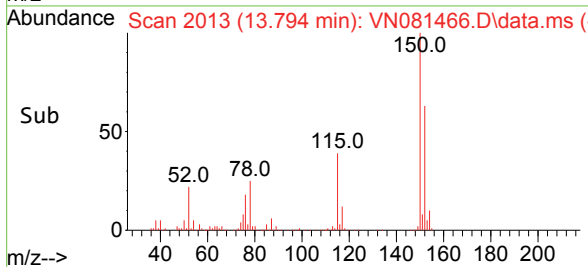
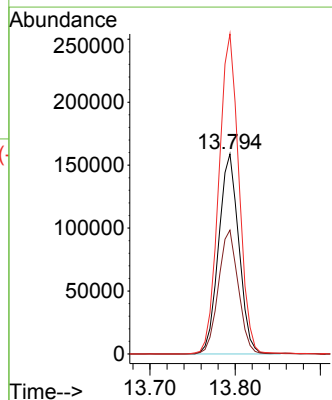
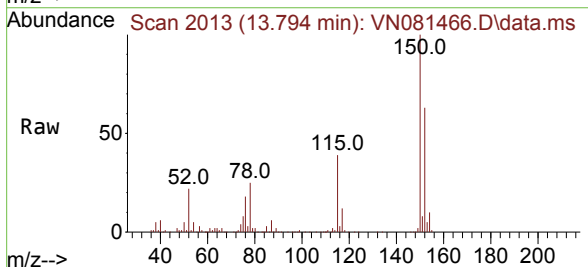
Tgt Ion:152 Resp: 262060

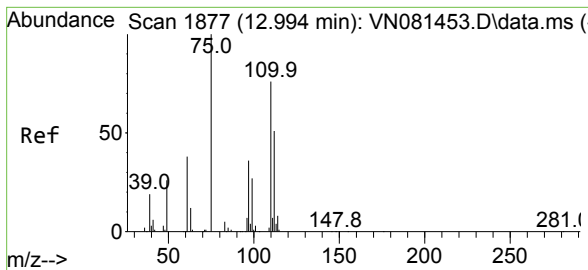
Ion Ratio Lower Upper

152 100

115 61.2 32.3 96.8

150 159.6 0.0 339.8

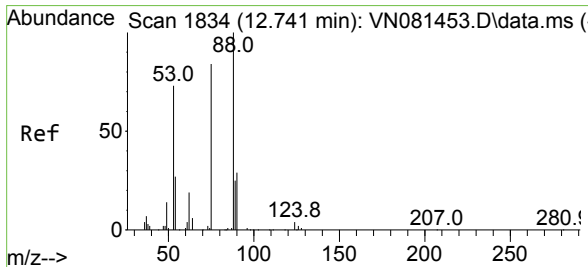
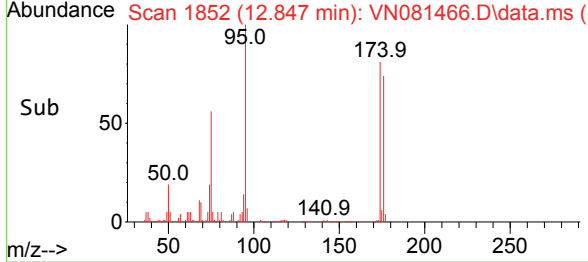
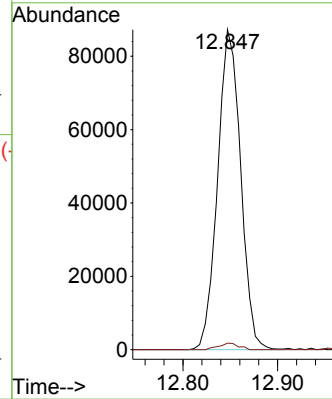
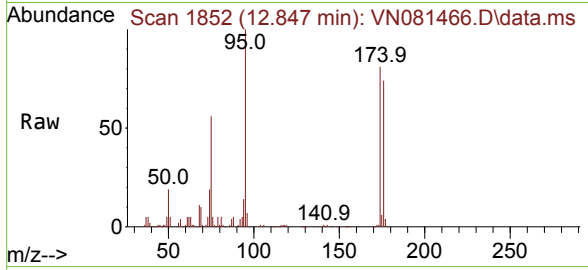




#76
1,2,3-Trichloropropane
Concen: 23.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

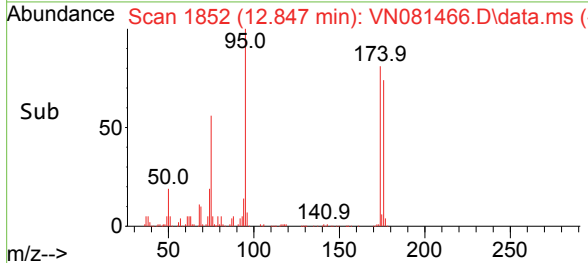
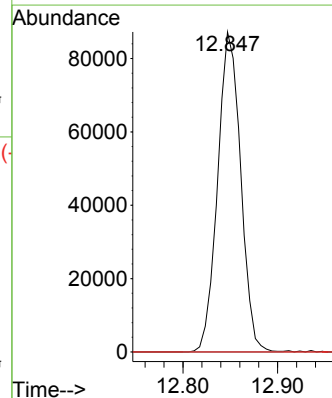
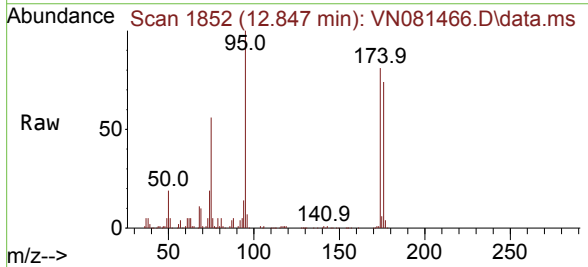
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

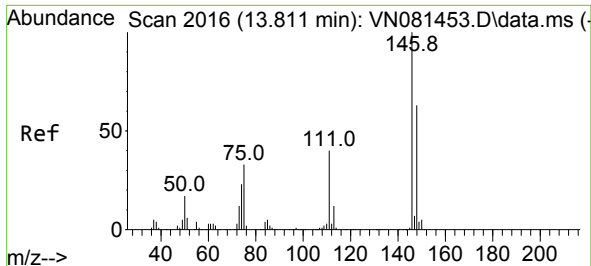
Tgt Ion: 75 Resp: 147459
Ion Ratio Lower Upper
75 100
77 1.8 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion: 75 Resp: 147459
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

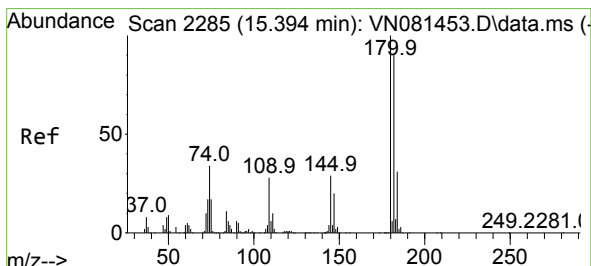
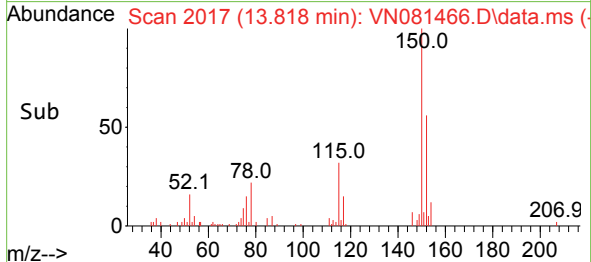
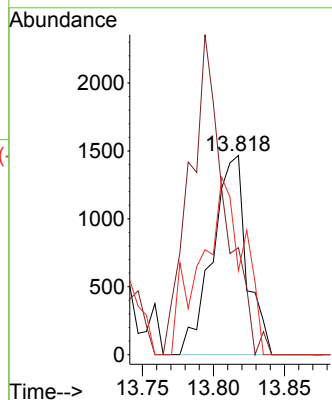
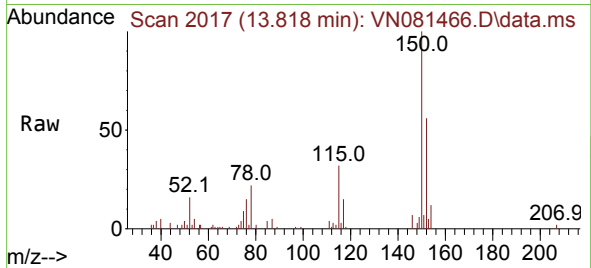




#88
1,4-Dichlorobenzene
Concen: 0.234 ug/l
RT: 13.818 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

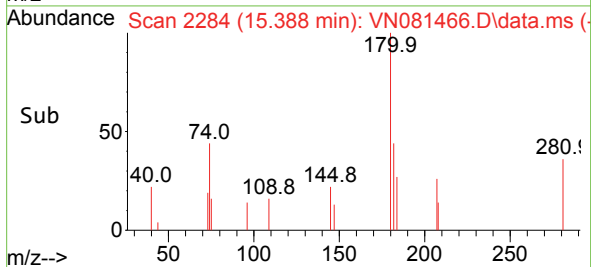
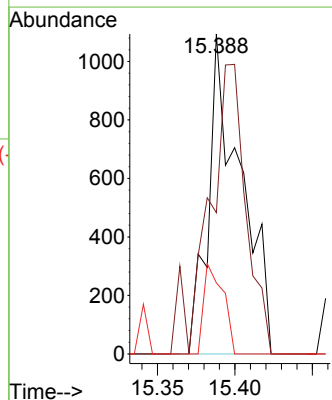
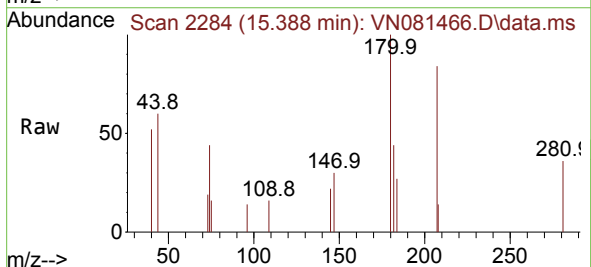
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

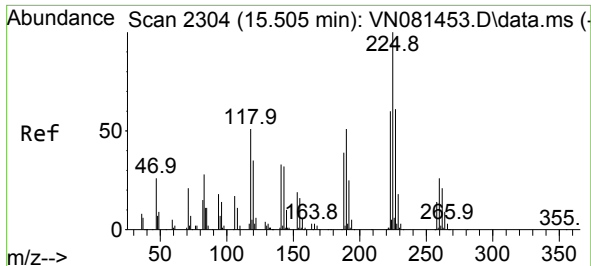
Tgt Ion:146 Resp: 2459
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7#
148 110.6 31.9 95.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion:180 Resp: 1585
Ion Ratio Lower Upper
180 100
182 104.2 46.6 139.7
145 16.9 16.8 50.3

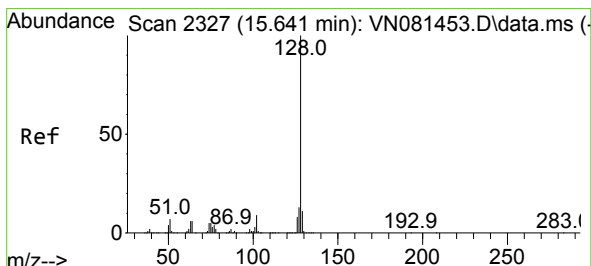
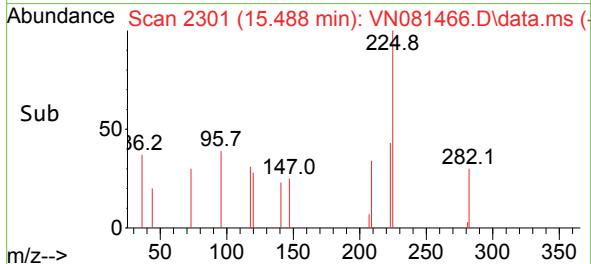
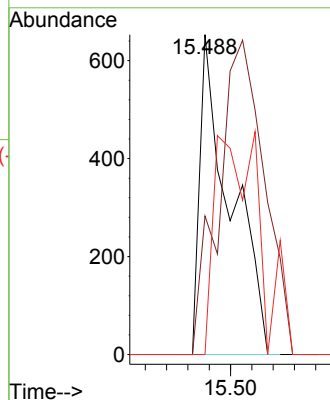
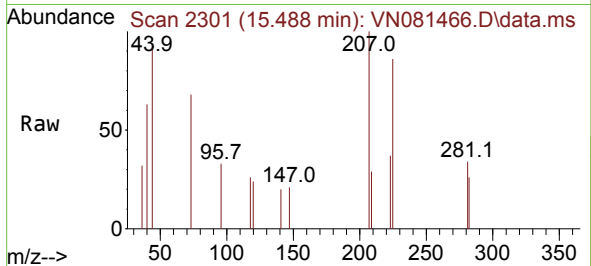




#94
Hexachlorobutadiene
Concen: 0.263 ug/l
RT: 15.488 min Scan# 21
Delta R.T. -0.017 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

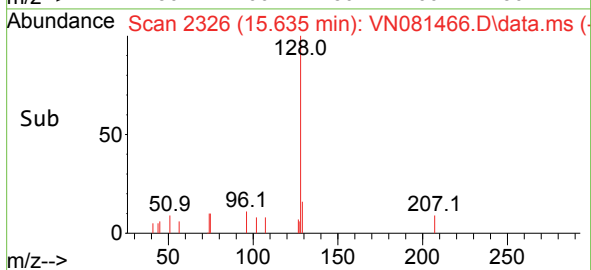
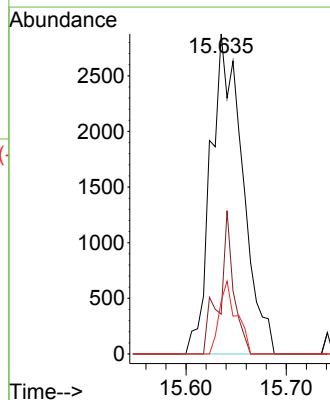
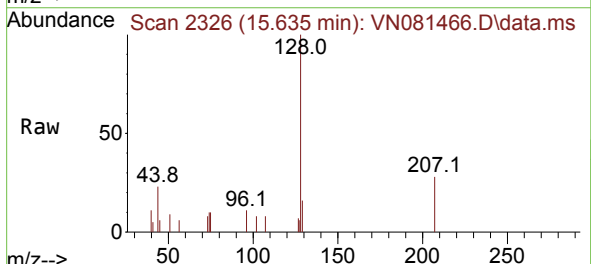
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

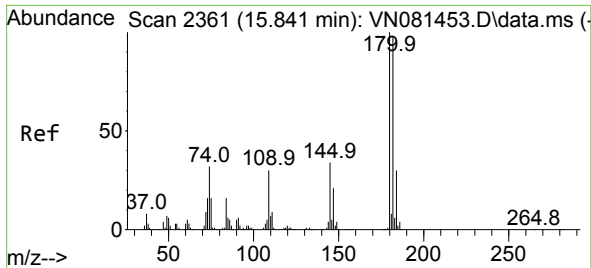
Tgt Ion:225 Resp: 651
Ion Ratio Lower Upper
225 100
223 0.0 33.3 99.8#
227 0.0 33.1 99.2#



#95
Naphthalene
Concen: 0.346 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN081466.D
Acq: 19 Mar 2024 13:23

Tgt Ion:128 Resp: 6322
Ion Ratio Lower Upper
128 100
127 20.1 10.0 15.0#
129 12.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081466.D
 Acq: 19 Mar 2024 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Tgt Ion:180 Resp: 1581
 Ion Ratio Lower Upper
 180 100
 182 68.5 46.5 139.3
 145 16.4 17.8 53.4#

