

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079756.D
 Acq On : 31 Oct 2023 20:07
 Operator : JC\MD
 Sample : 05107-10 20X
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:26:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

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

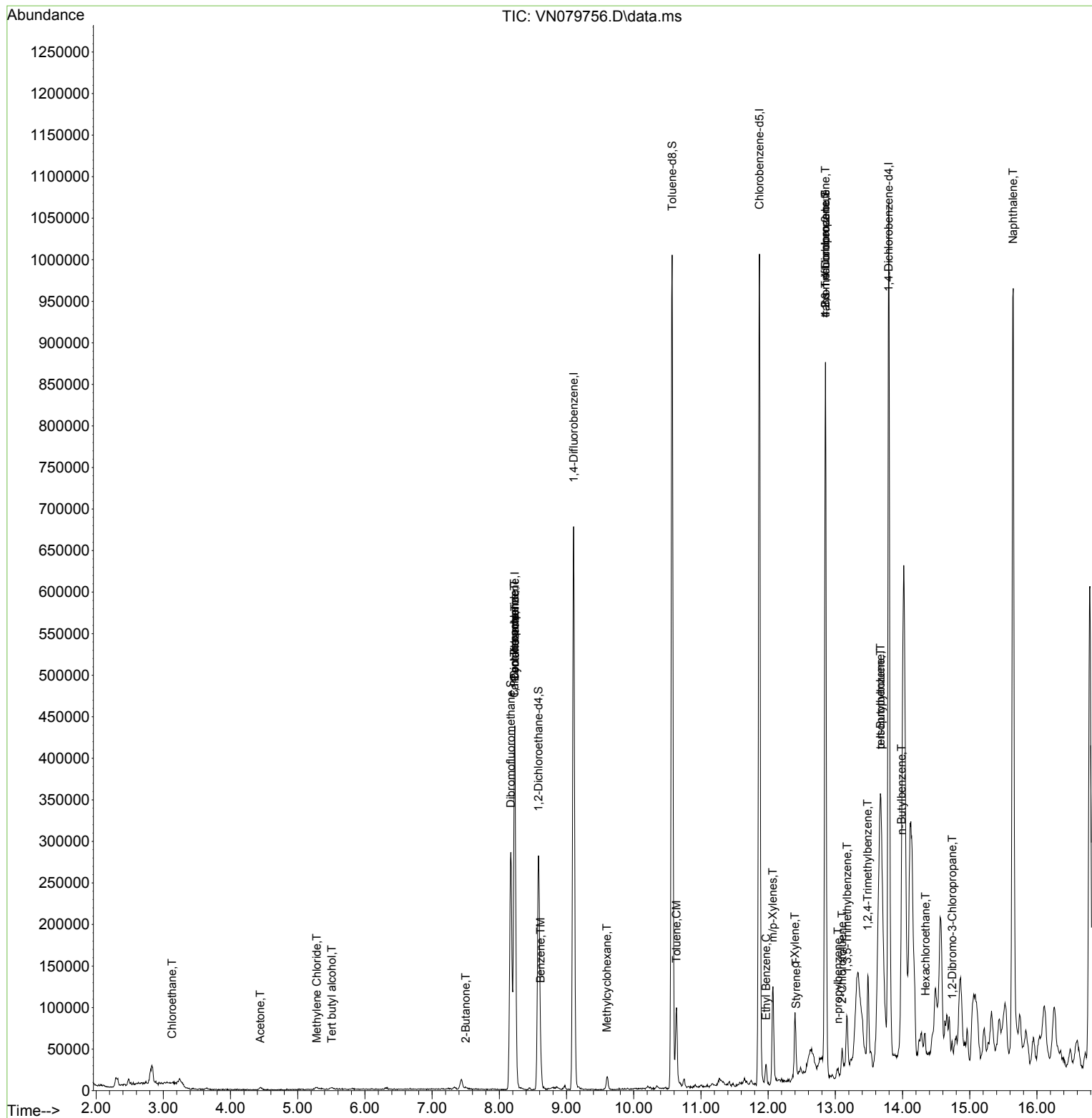
Internal Standards						
1) Pentafluorobenzene	8.230	168	304206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	569197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	582695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	222160	45.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.171	113	209028	51.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.780%		
50) Toluene-d8	10.571	98	695490	45.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.740%		
62) 4-Bromofluorobenzene	12.853	95	289291	60.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	121.180%		
Target Compounds					Qvalue	
6) Chloroethane	3.130	64	1233	0.321	ug/l #	60
11) Tert butyl alcohol	5.506	59	1404	2.167	ug/l #	72
16) Acetone	4.442	43	6156	2.945	ug/l #	73
20) Methylene Chloride	5.283	84	1777	0.429	ug/l #	86
25) 2-Butanone	7.500	43	3613	1.258	ug/l #	57
31) Cyclohexane	8.230	56	10306	1.546	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	26819	4.445	ug/l #	47
38) Carbon Tetrachloride	8.224	117	34036	5.657	ug/l #	15
39) Methylcyclohexane	9.600	83	6032	1.005	ug/l	85
40) Benzene	8.612	78	32439	1.822	ug/l	100
52) Toluene	10.635	92	38992	3.587	ug/l	98
67) Ethyl Benzene	11.971	91	16995	0.748	ug/l	96
68) m/p-Xylenes	12.071	106	32684	3.889	ug/l	95
69) o-Xylene	12.400	106	21961	2.718	ug/l	93
70) Styrene	12.418	104	4856	0.375	ug/l #	14
76) 1,2,3-Trichloropropane	12.853	75	159652	22.297	ug/l #	1
78) n-propylbenzene	13.041	91	6883	0.250	ug/l #	65
79) 2-Chlorotoluene	13.100	91	3599	0.210	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.176	105	27688	1.422	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.853	75	159652	67.259	ug/l #	15
83) tert-Butylbenzene	13.671	119	6117	0.383	ug/l	70
84) 1,2,4-Trimethylbenzene	13.482	105	57926	3.084	ug/l	99
86) p-Isopropyltoluene	13.671	119	6171	0.348	ug/l	83
89) n-Butylbenzene	13.982	91	4743	0.337	ug/l	94
90) Hexachloroethane	14.341	117	1407	0.376	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.741	75	330	0.253	ug/l #	4
95) Naphthalene	15.647	128	805240	100.685	ug/l	99

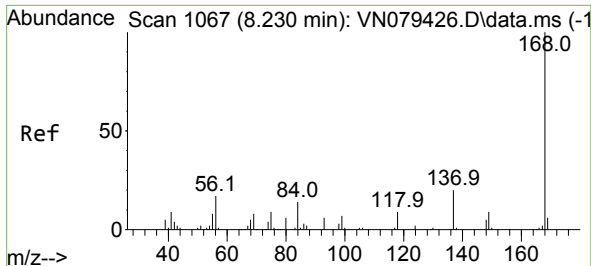
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
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MSVOA_N
ClientSampleId :

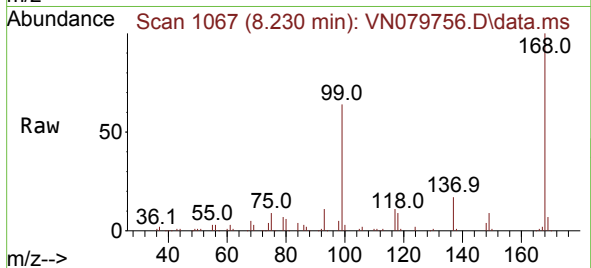
Quant Time: Nov 01 01:26:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 31 07:23:24 2023
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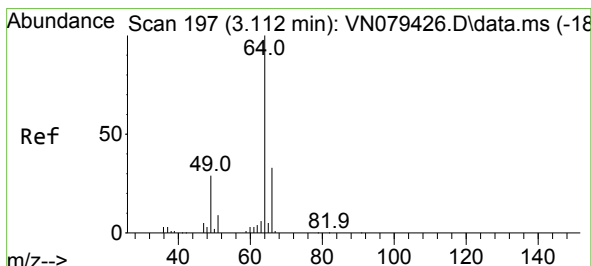
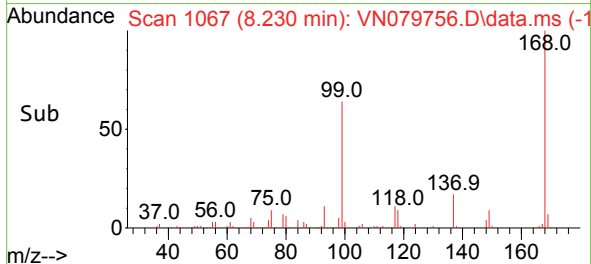
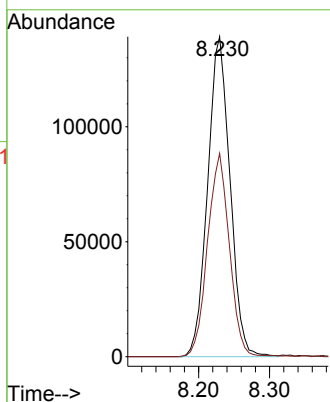


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Instrument :
MSVOA_N
ClientSampleId :

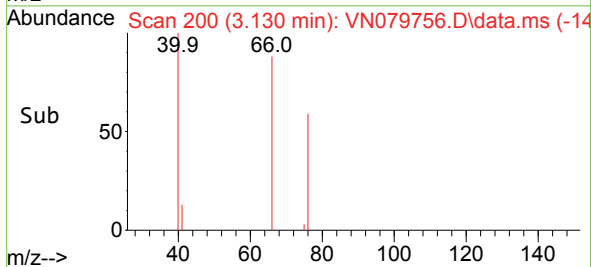
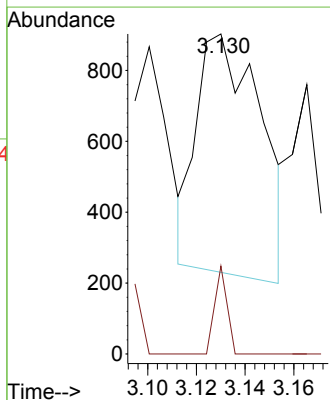
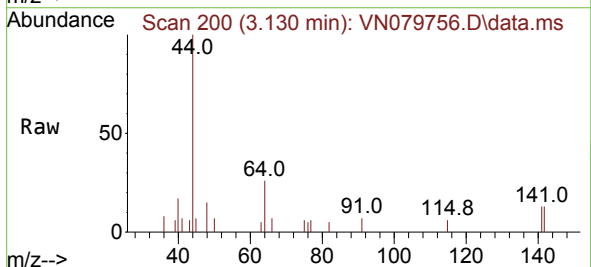


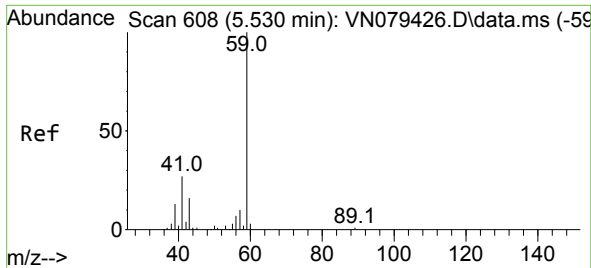
Tgt Ion:168 Resp: 304206
Ion Ratio Lower Upper
168 100
99 63.6 53.0 79.6



#6
Chloroethane
Concen: 0.321 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.018 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

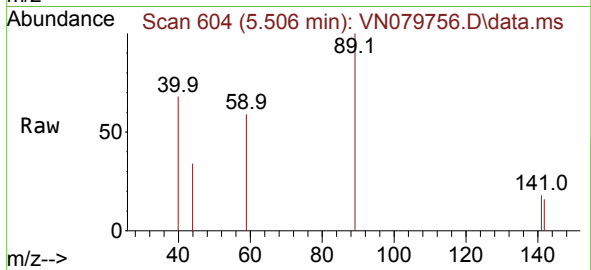
Tgt Ion: 64 Resp: 1233
Ion Ratio Lower Upper
64 100
66 54.0 25.4 38.2#



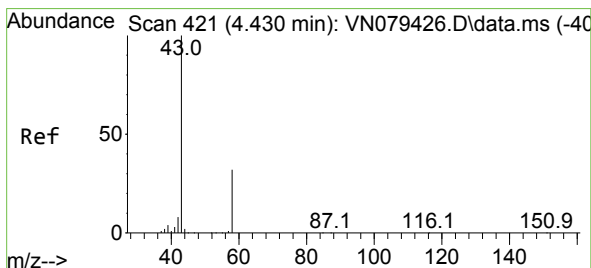
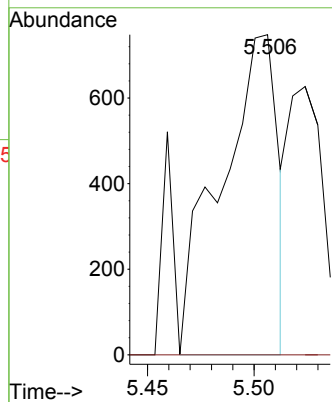
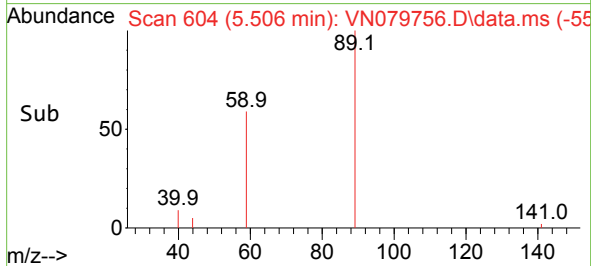


#11
Tert butyl alcohol
Concen: 2.167 ug/l
RT: 5.506 min Scan# 608
Delta R.T. -0.024 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Instrument :
MSVOA_N
ClientSampleId :

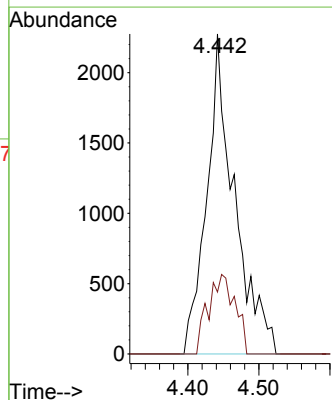
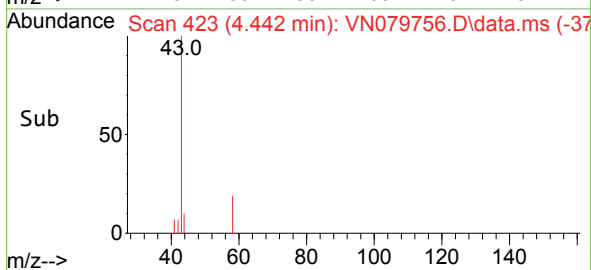
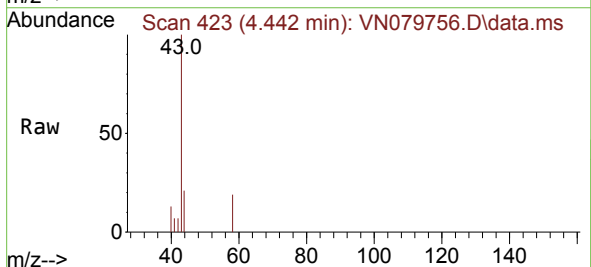


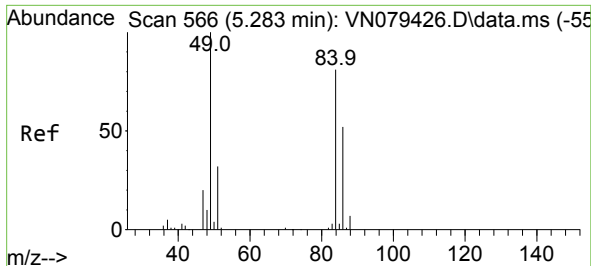
Tgt Ion: 59 Resp: 1404
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 2.945 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

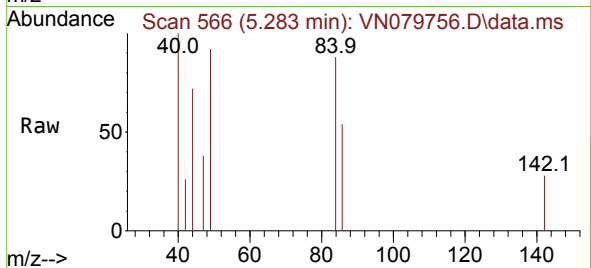
Tgt Ion: 43 Resp: 6156
Ion Ratio Lower Upper
43 100
58 19.3 28.0 42.0#





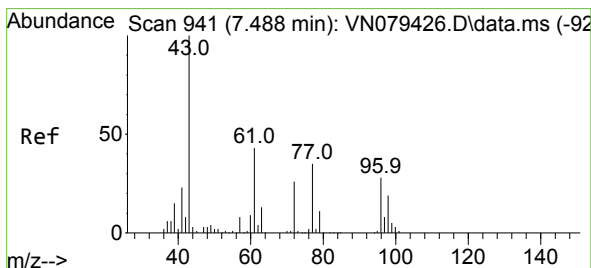
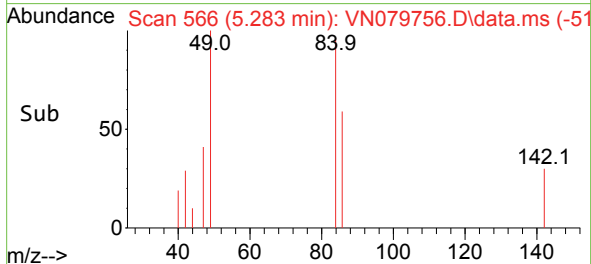
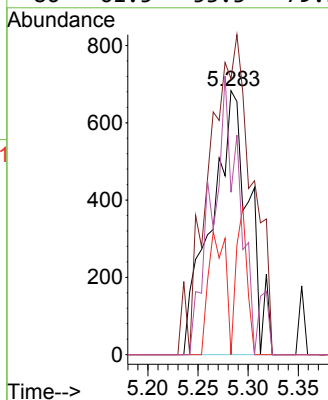
#20
Methylene Chloride
Concen: 0.429 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1777

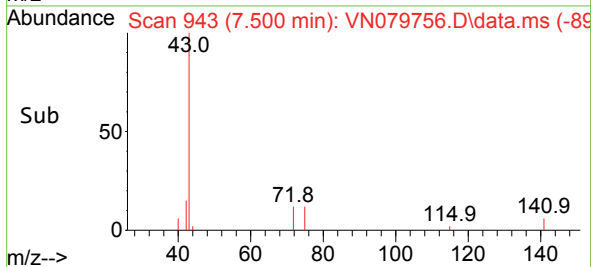
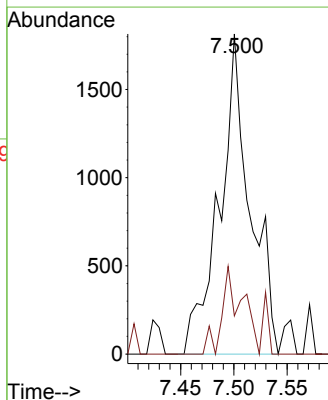
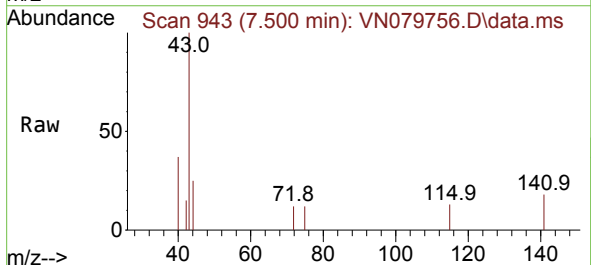
Ion	Ratio	Lower	Upper
84	100		
49	104.5	79.7	119.5
51	0.0	25.2	37.8#
86	61.5	53.3	79.9

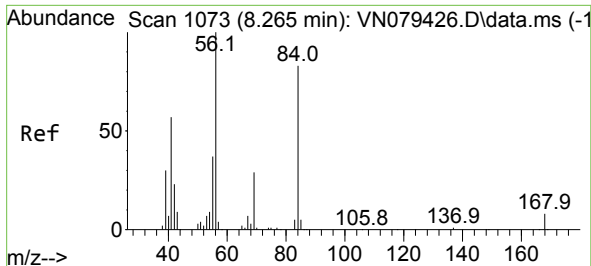


#25
2-Butanone
Concen: 1.258 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion: 43 Resp: 3613

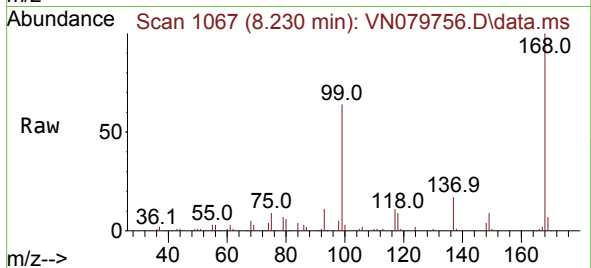
Ion	Ratio	Lower	Upper
43	100		
72	11.9	30.2	45.2#



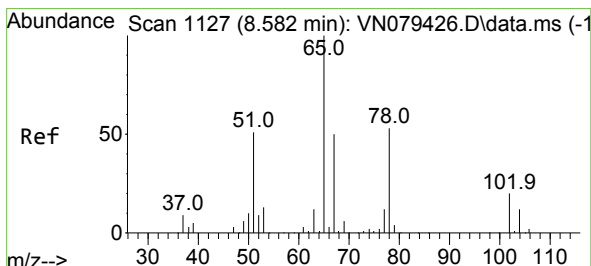
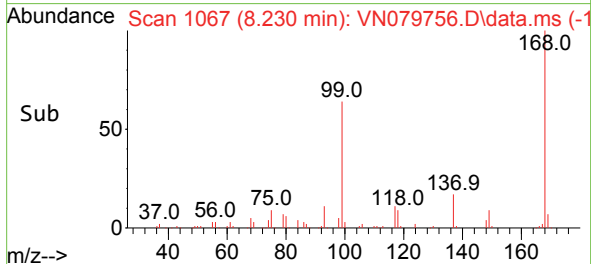
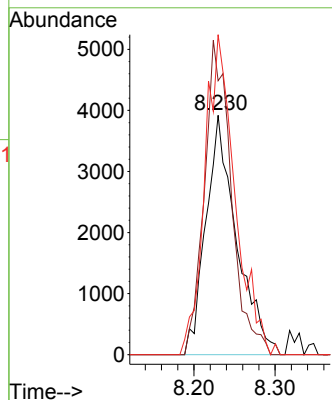


#31
Cyclohexane
Concen: 1.546 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Instrument :
MSVOA_N
ClientSampleId :

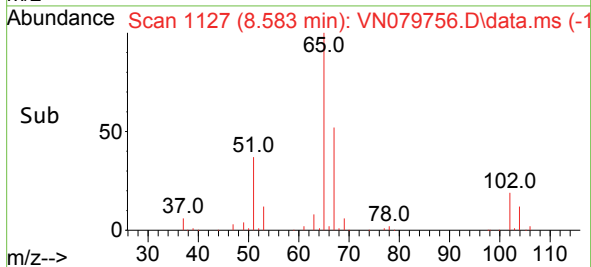
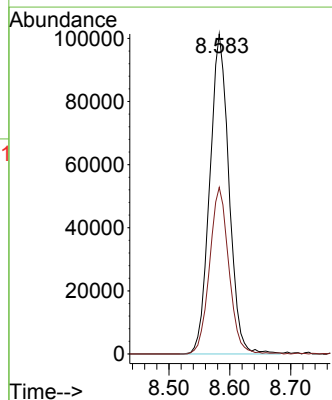
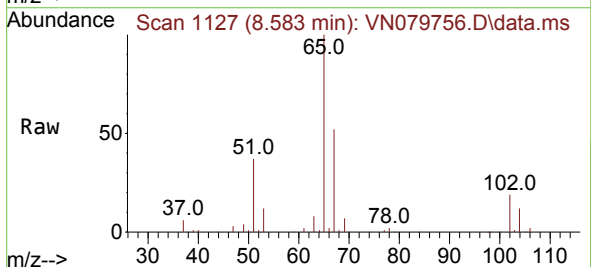


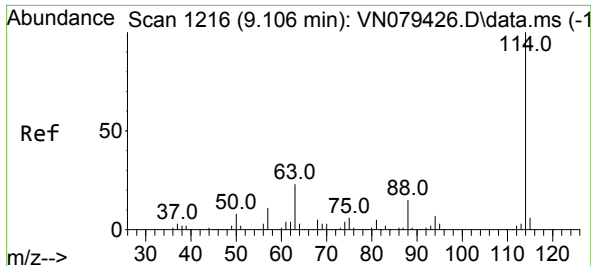
Tgt Ion: 56 Resp: 10306
Ion Ratio Lower Upper
56 100
69 114.4 26.8 40.2#
84 133.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.476 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion: 65 Resp: 222160
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

ClientSampleId :

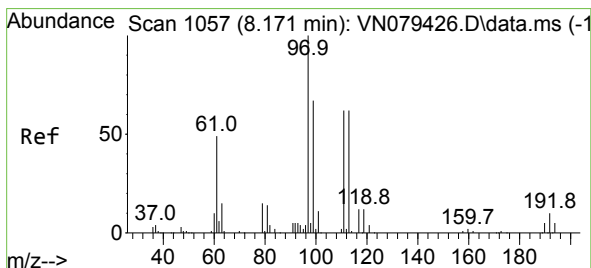
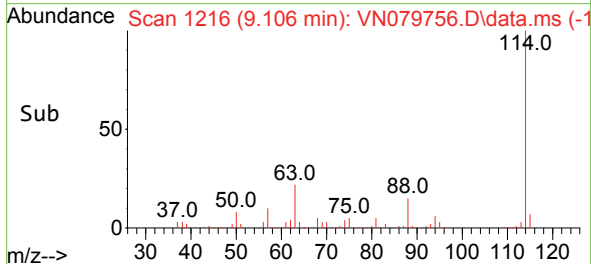
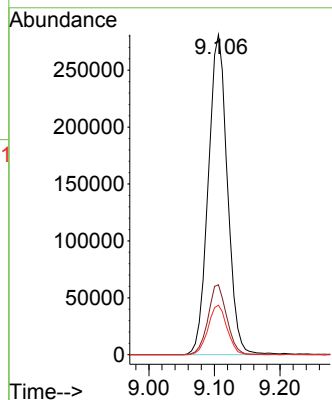
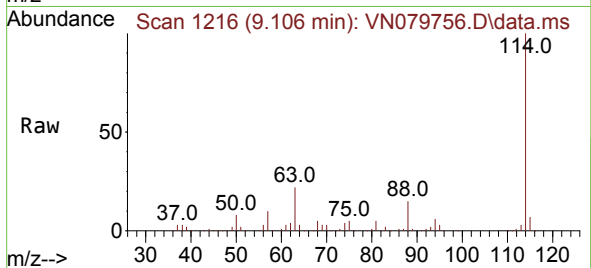
Tgt Ion:114 Resp: 569197

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.393 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

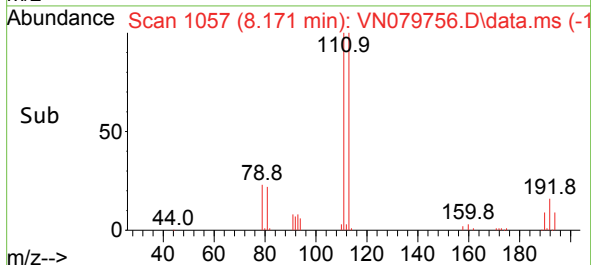
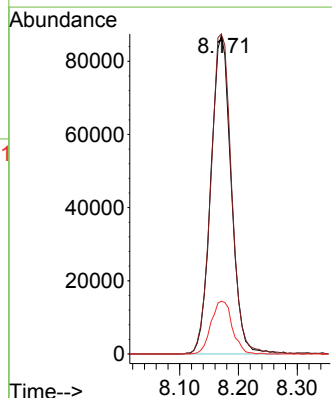
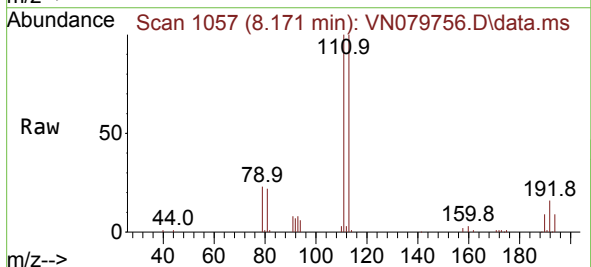
Tgt Ion:113 Resp: 209028

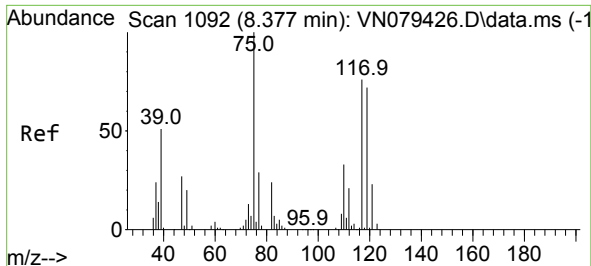
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

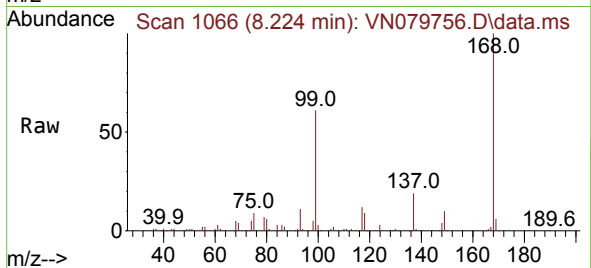
192 17.2 12.7 19.1



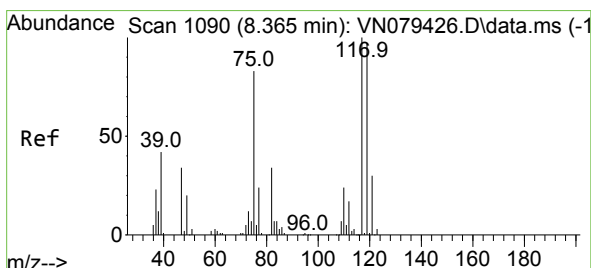
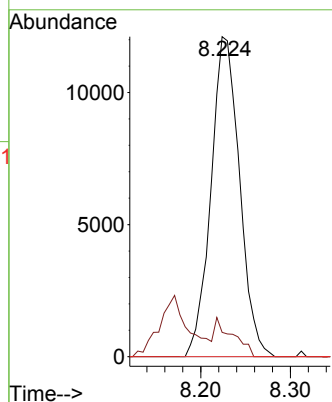
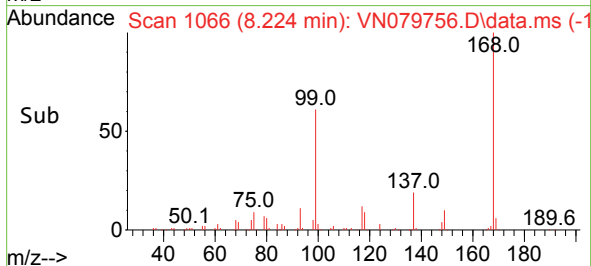


#36
 1,1-Dichloropropene
 Concen: 4.445 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN079756.D
 Acq: 31 Oct 2023 20:07

Instrument :
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 ClientSampleId :

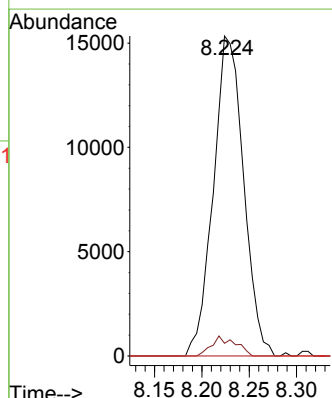
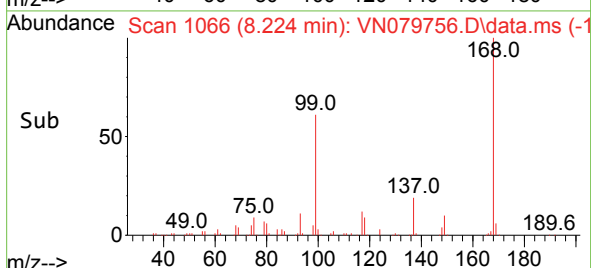
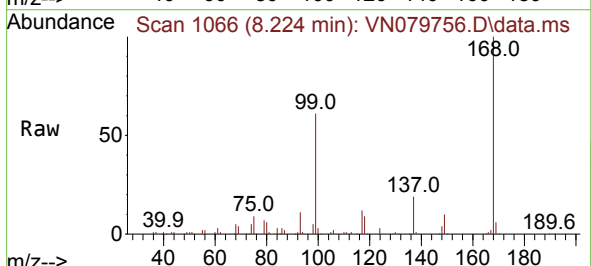


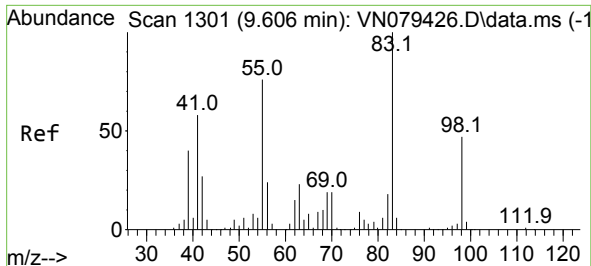
Tgt Ion: 75 Resp: 26819
 Ion Ratio Lower Upper
 75 100
 110 7.6 19.1 57.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.657 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN079756.D
 Acq: 31 Oct 2023 20:07

Tgt Ion: 117 Resp: 34036
 Ion Ratio Lower Upper
 117 100
 119 4.0 77.3 115.9#
 121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 1.005 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.006 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

ClientSampleId :

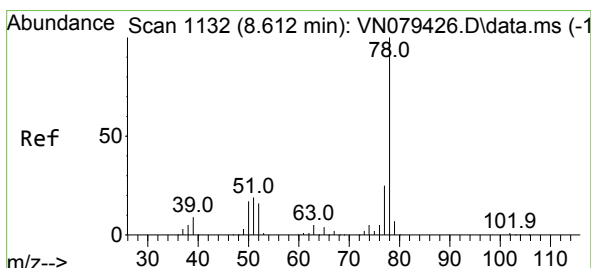
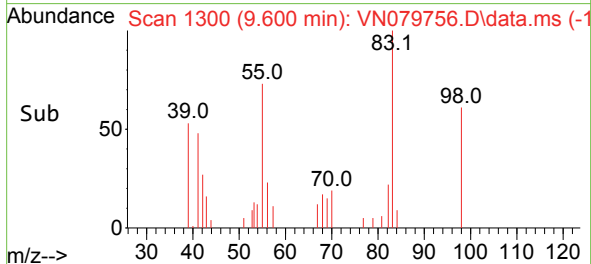
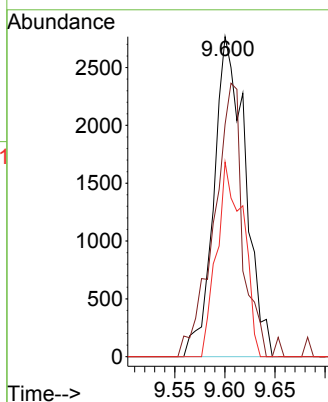
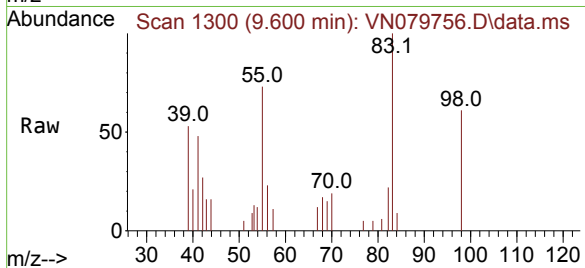
Tgt Ion: 83 Resp: 6032

Ion Ratio Lower Upper

83 100

55 72.6 49.1 73.7

98 60.8 40.6 61.0



#40

Benzene

Concen: 1.822 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079756.D

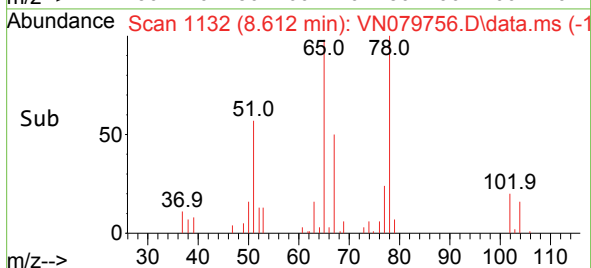
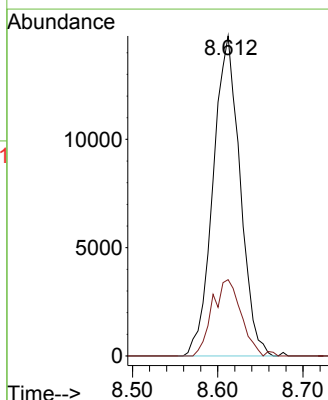
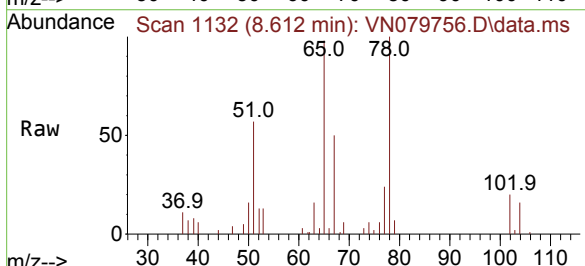
Acq: 31 Oct 2023 20:07

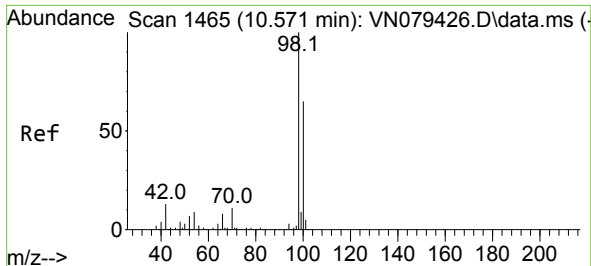
Tgt Ion: 78 Resp: 32439

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

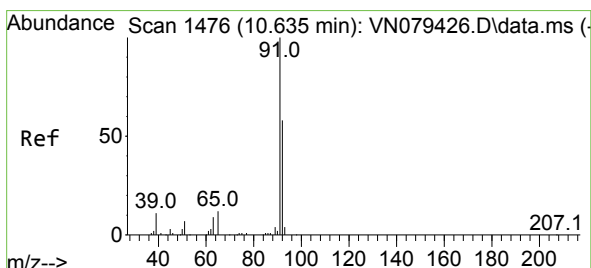
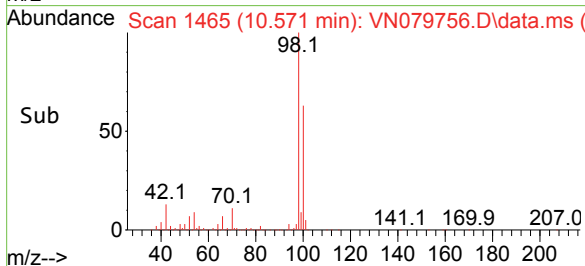
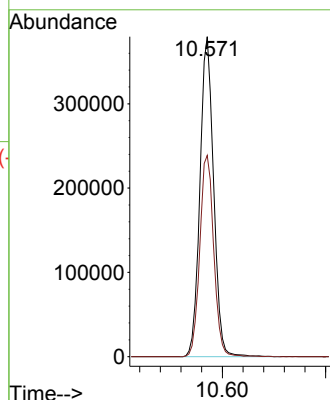
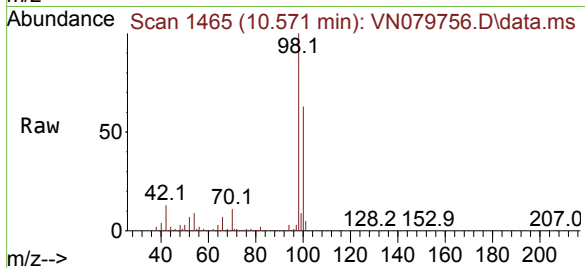




#50
Toluene-d8
Concen: 45.871 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

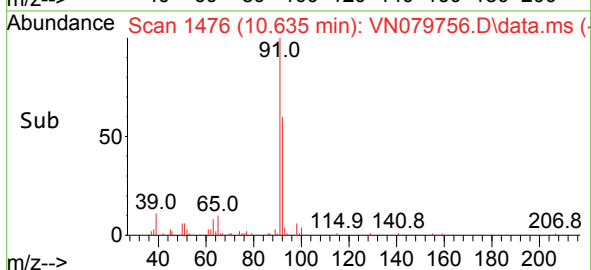
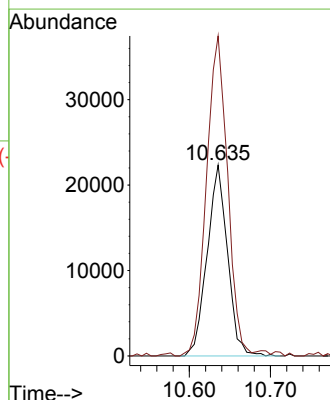
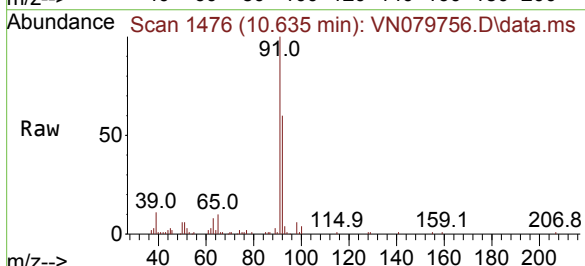
Instrument :
MSVOA_N
ClientSampleId :

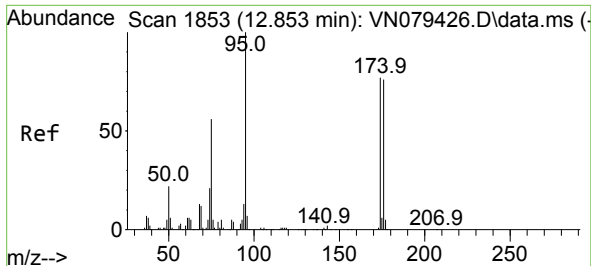
Tgt Ion: 98 Resp: 695490
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#52
Toluene
Concen: 3.587 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion: 92 Resp: 38992
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.0

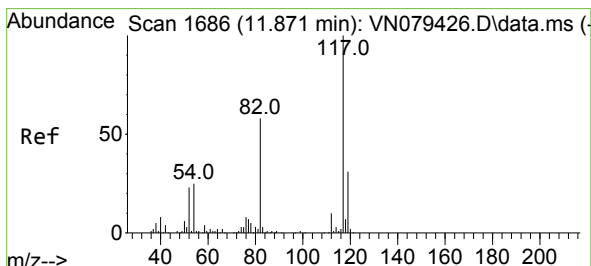
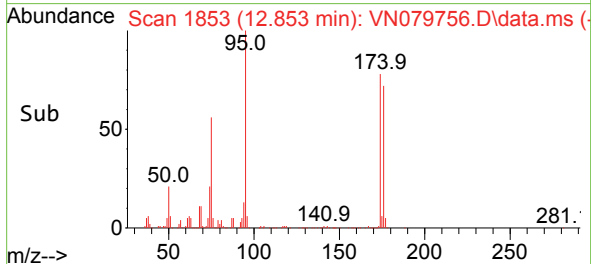
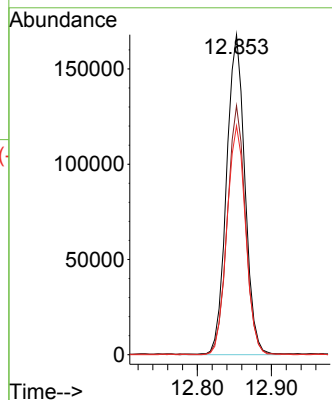
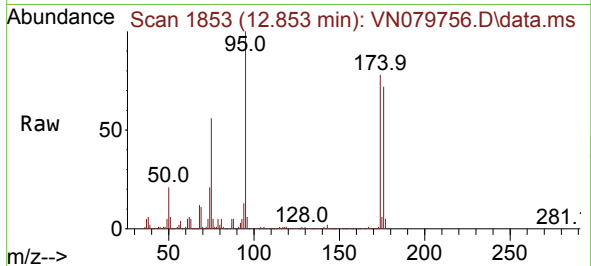




#62
4-Bromofluorobenzene
Concen: 60.589 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

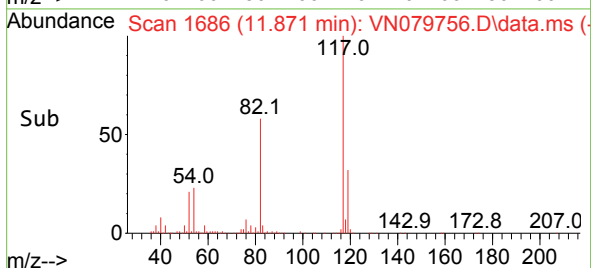
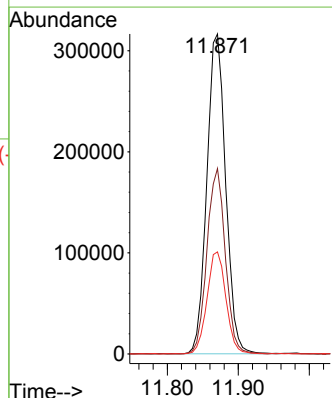
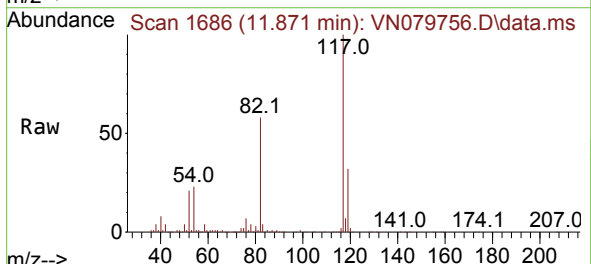
Instrument :
MSVOA_N
ClientSampleId :

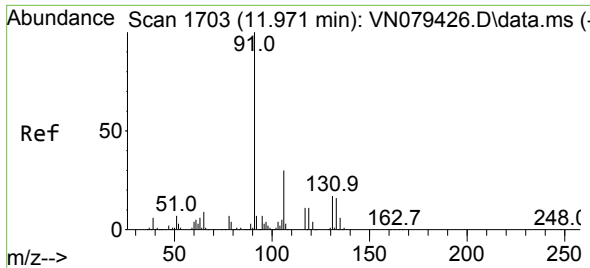
Tgt Ion: 95 Resp: 289291
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion: 117 Resp: 582695
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 31.9 25.6 38.4

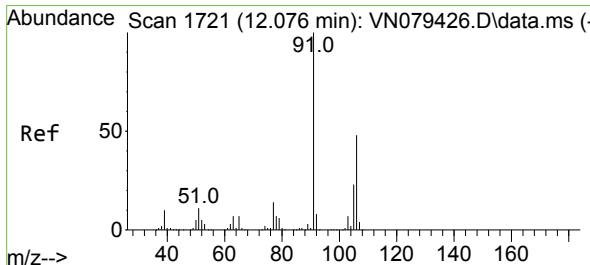
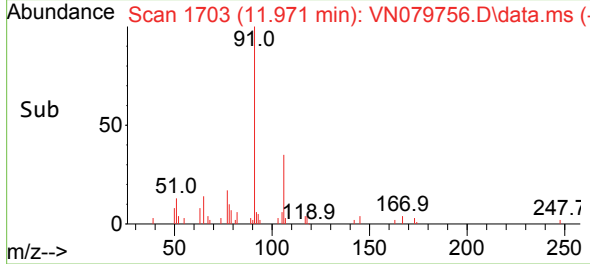
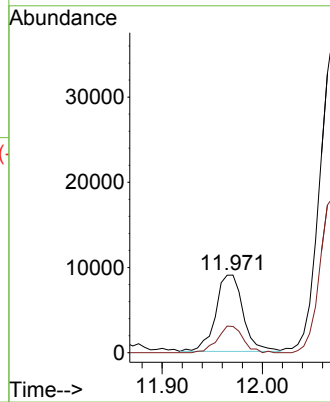
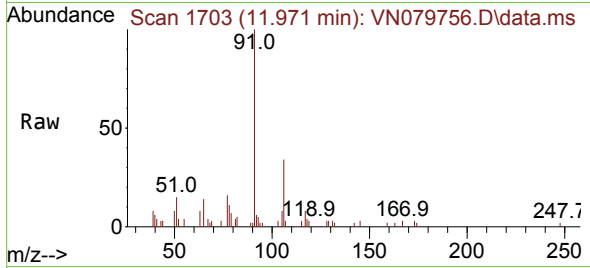




#67
Ethyl Benzene
Concen: 0.748 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

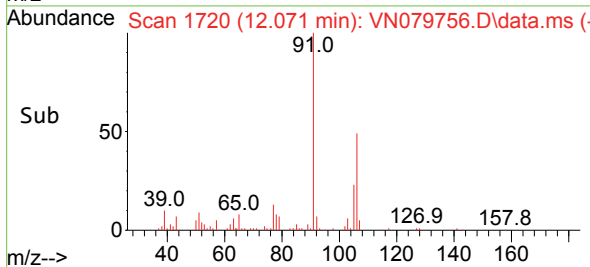
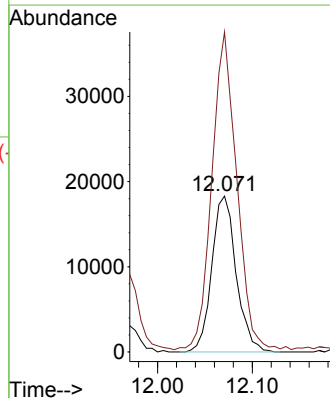
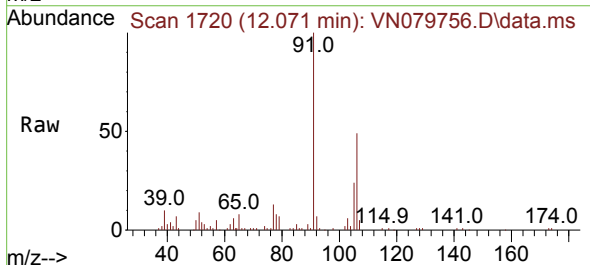
Instrument :
MSVOA_N
ClientSampleId :

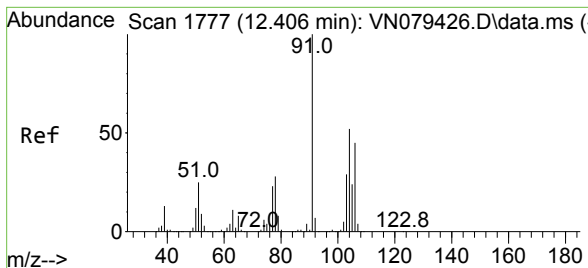
Tgt Ion: 91 Resp: 16995
Ion Ratio Lower Upper
91 100
106 34.3 25.6 38.4



#68
m/p-Xylenes
Concen: 3.889 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion:106 Resp: 32684
Ion Ratio Lower Upper
106 100
91 207.4 159.6 239.4





#69

o-Xylene

Concen: 2.718 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.006 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

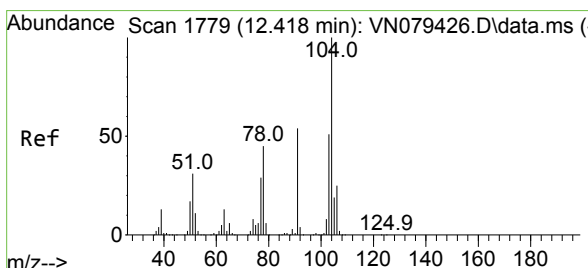
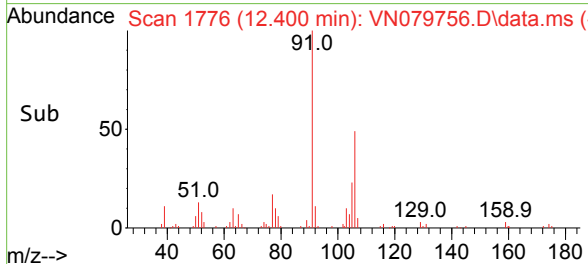
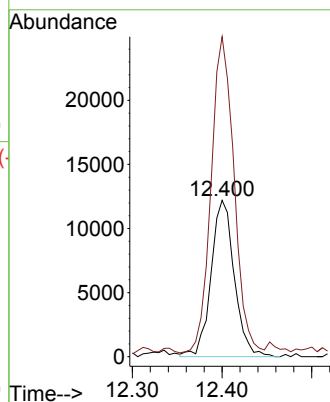
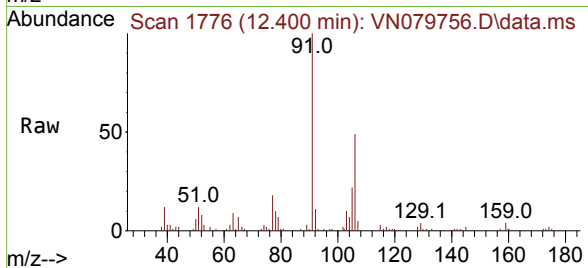
ClientSampleId :

Tgt Ion:106 Resp: 21961

Ion Ratio Lower Upper

106 100

91 198.9 105.2 315.5



#70

Styrene

Concen: 0.375 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

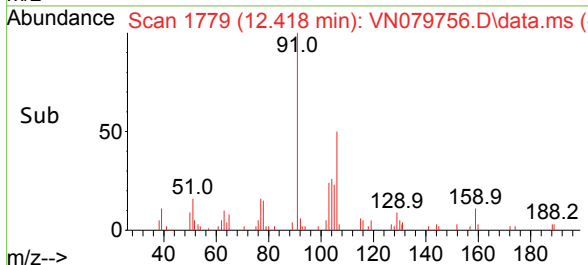
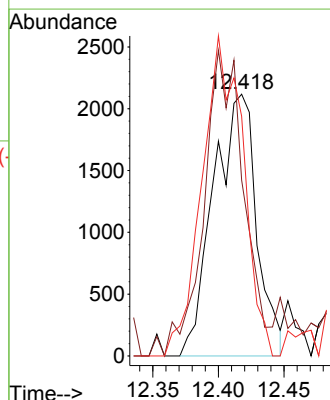
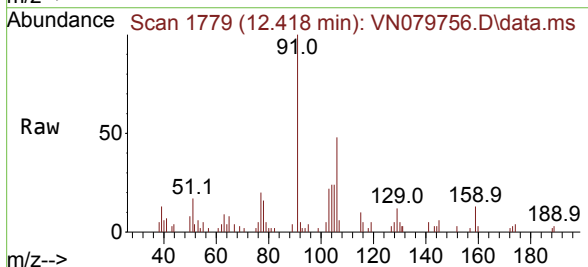
Tgt Ion:104 Resp: 4856

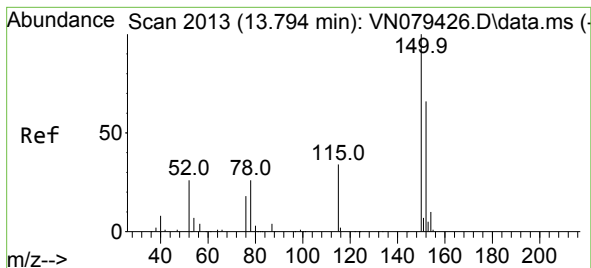
Ion Ratio Lower Upper

104 100

78 108.8 39.5 59.3#

103 115.6 43.2 64.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

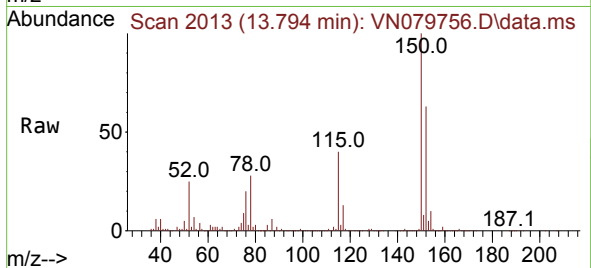
Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

ClientSampleId :



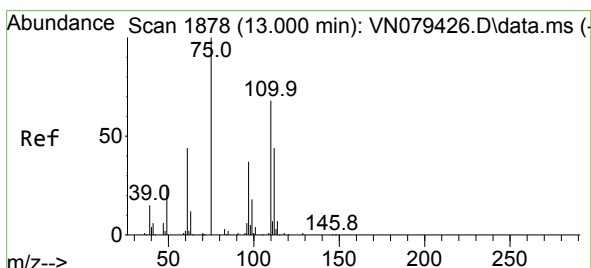
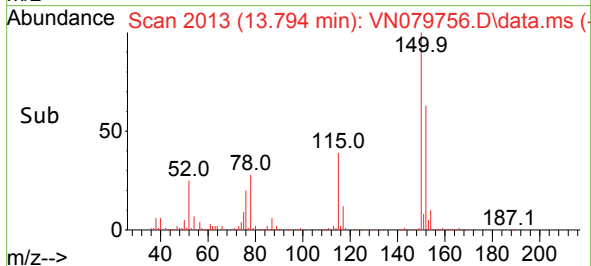
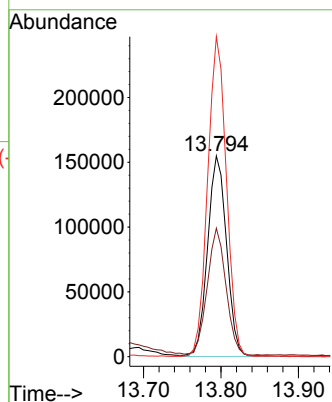
Tgt Ion:152 Resp: 263688

Ion Ratio Lower Upper

152 100

115 62.2 32.3 96.8

150 156.5 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 22.297 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079756.D

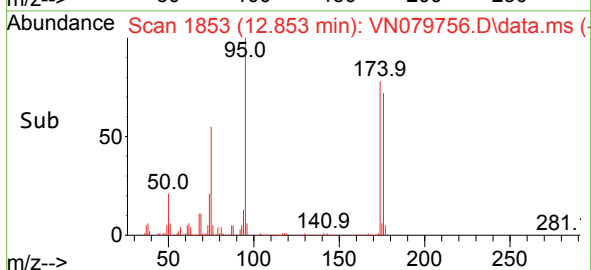
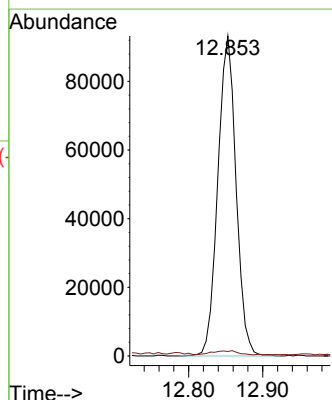
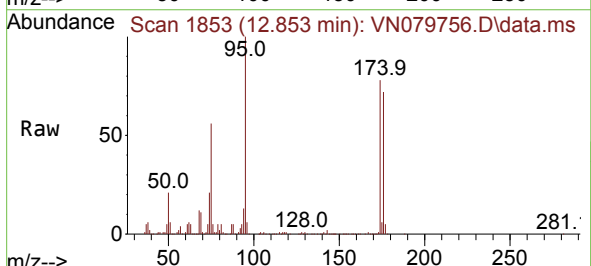
Acq: 31 Oct 2023 20:07

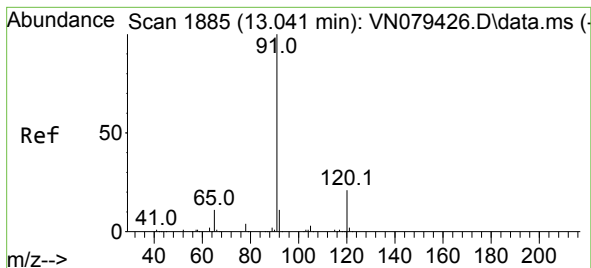
Tgt Ion: 75 Resp: 159652

Ion Ratio Lower Upper

75 100

77 1.8 84.5 253.5#





#78

n-propylbenzene

Concen: 0.250 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

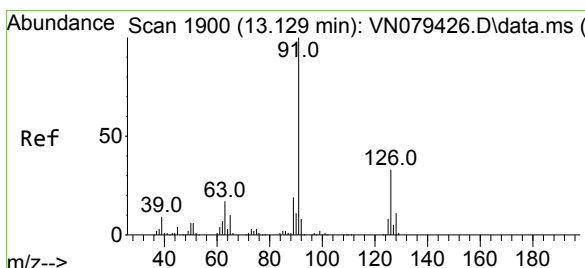
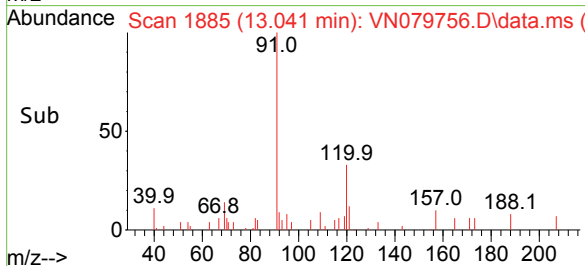
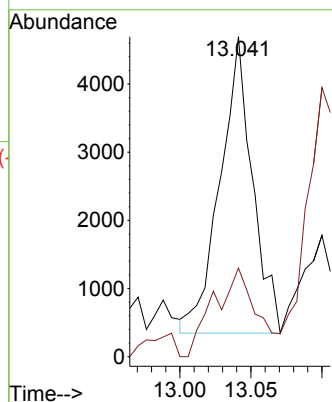
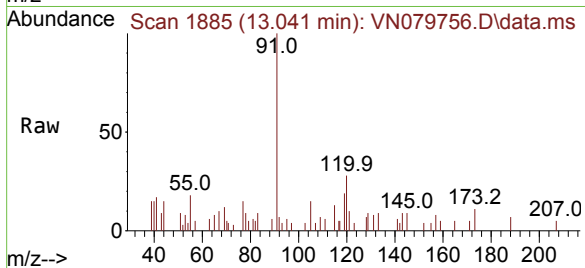
ClientSampleId :

Tgt Ion: 91 Resp: 6883

Ion Ratio Lower Upper

91 100

120 40.0 11.5 34.4#



#79

2-Chlorotoluene

Concen: 0.210 ug/l

RT: 13.100 min Scan# 1895

Delta R.T. -0.029 min

Lab File: VN079756.D

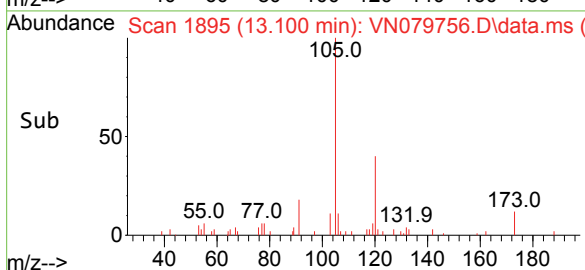
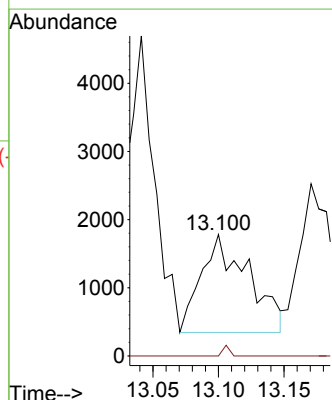
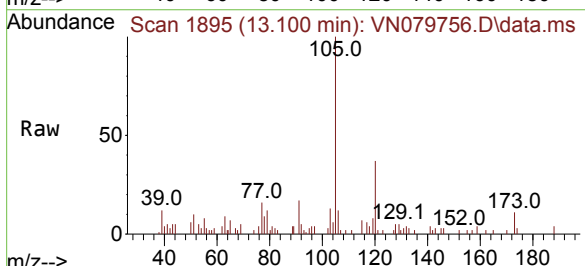
Acq: 31 Oct 2023 20:07

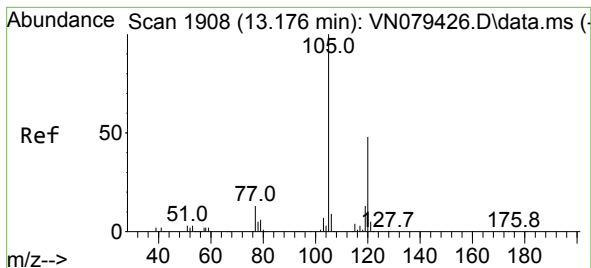
Tgt Ion: 91 Resp: 3599

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 1.422 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

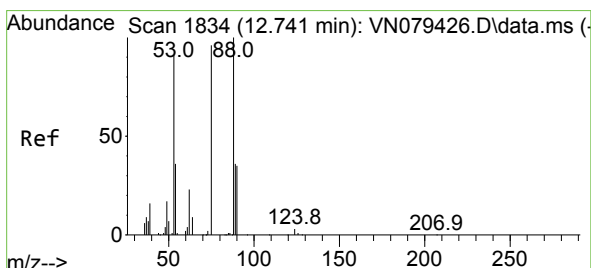
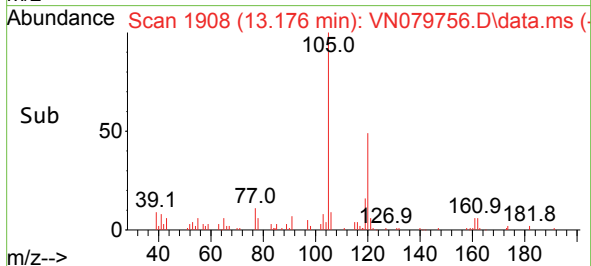
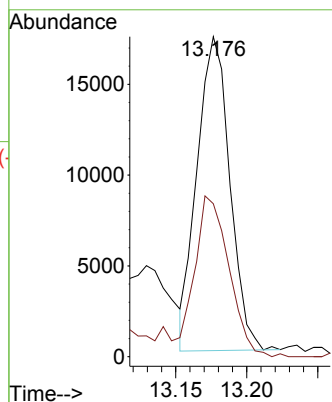
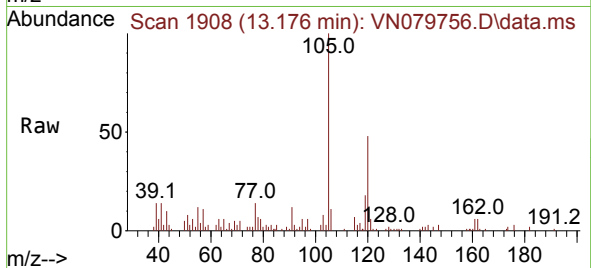
ClientSampleId :

Tgt Ion:105 Resp: 27688

Ion Ratio Lower Upper

105 100

120 54.1 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 67.259 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

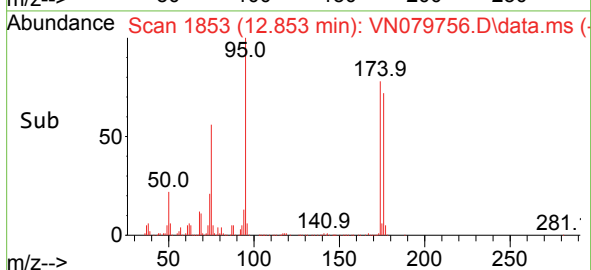
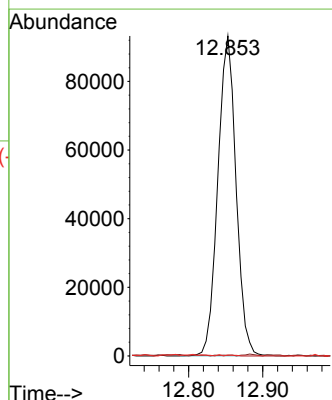
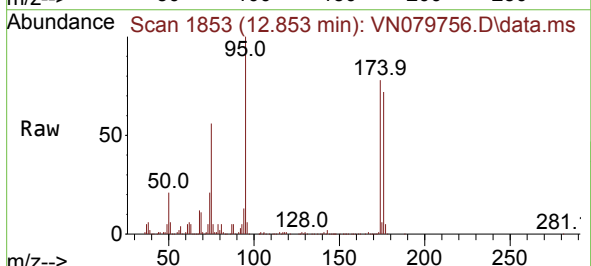
Tgt Ion: 75 Resp: 159652

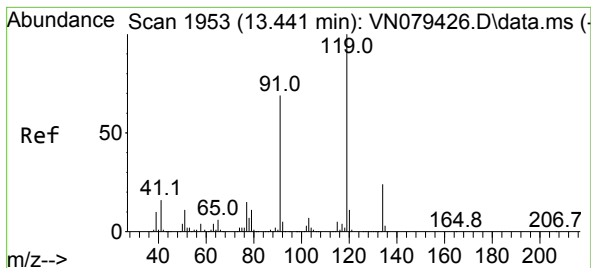
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.1 38.8 58.2#





#83

tert-Butylbenzene

Concen: 0.383 ug/l

RT: 13.671 min Scan# 1953

Delta R.T. 0.230 min

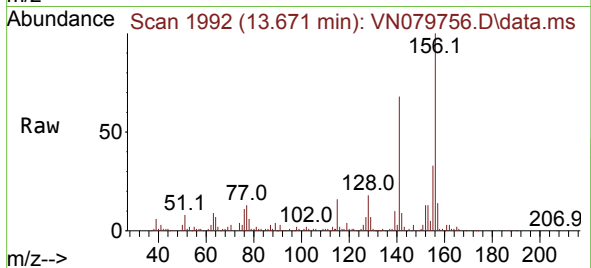
Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

ClientSampleId :



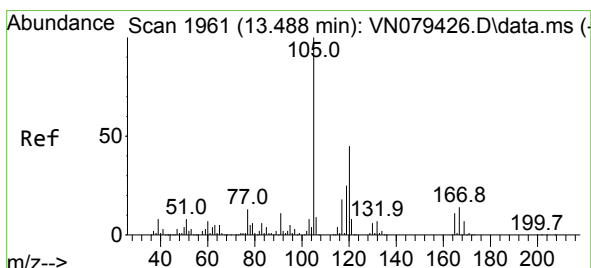
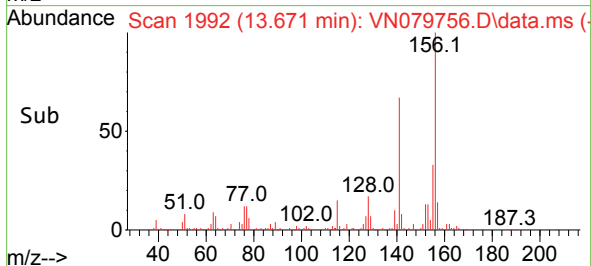
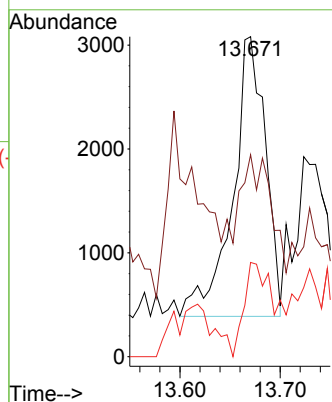
Tgt Ion:119 Resp: 6117

Ion Ratio Lower Upper

119 100

91 37.4 33.9 101.7

134 31.2 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 3.084 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VN079756.D

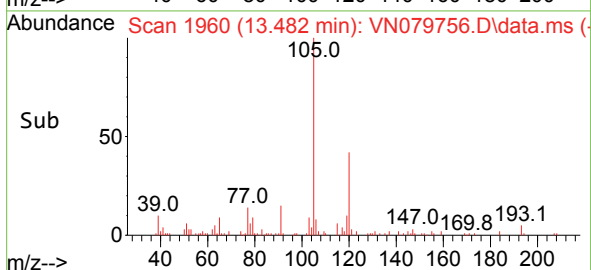
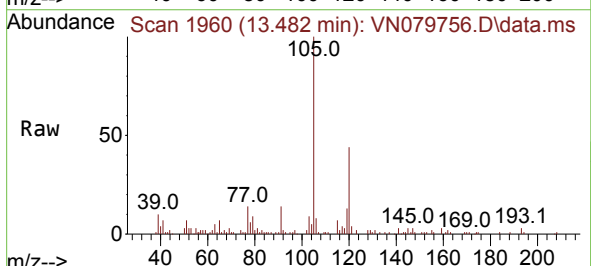
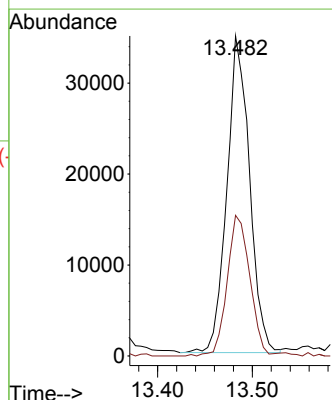
Acq: 31 Oct 2023 20:07

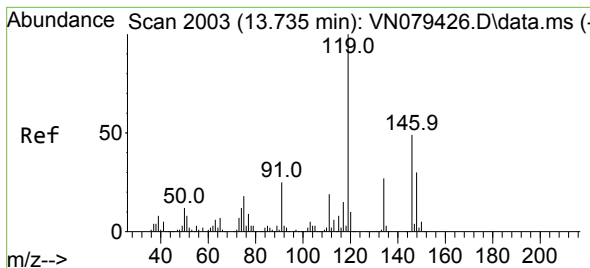
Tgt Ion:105 Resp: 57926

Ion Ratio Lower Upper

105 100

120 44.4 22.0 66.0

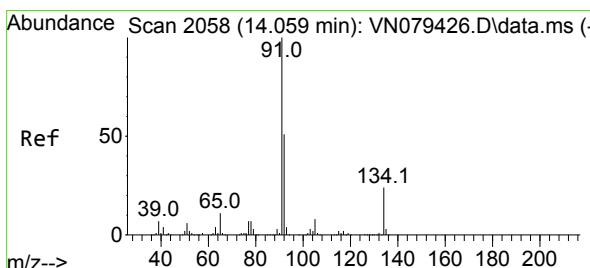
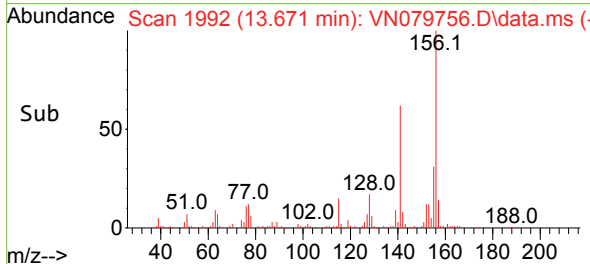
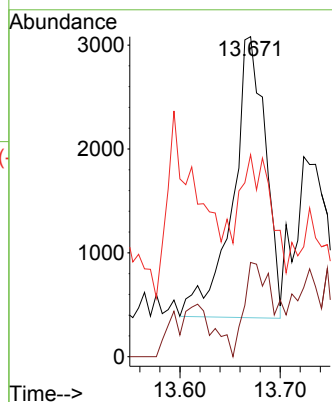
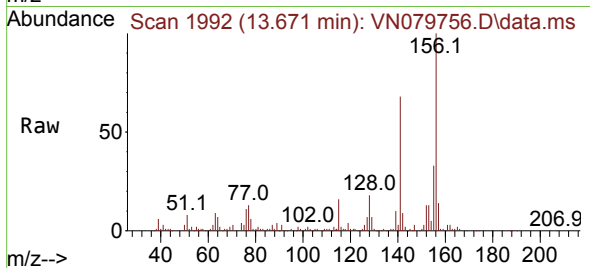




#86
p-Isopropyltoluene
Concen: 0.348 ug/l
RT: 13.671 min Scan# 1992
Delta R.T. -0.064 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

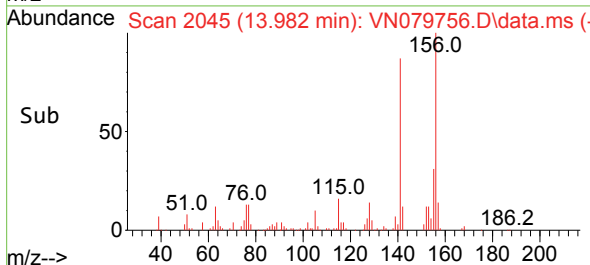
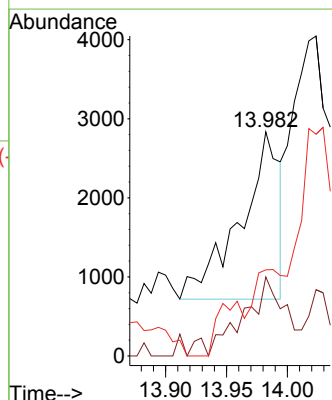
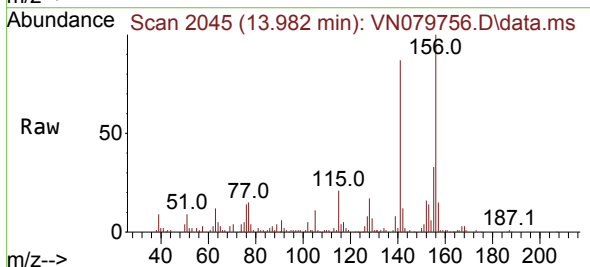
Instrument :
MSVOA_N
ClientSampleId :

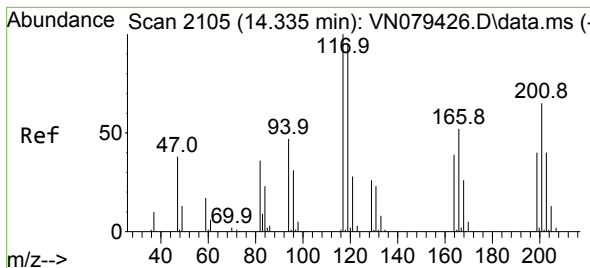
Tgt Ion:119 Resp: 6171
Ion Ratio Lower Upper
119 100
134 30.9 12.6 37.8
91 36.5 12.4 37.2



#89
n-Butylbenzene
Concen: 0.337 ug/l
RT: 13.982 min Scan# 2045
Delta R.T. -0.077 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Tgt Ion: 91 Resp: 4743
Ion Ratio Lower Upper
91 100
92 47.4 26.4 79.0
134 24.4 12.6 37.6





#90

Hexachloroethane

Concen: 0.376 ug/l

RT: 14.341 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

Instrument :

MSVOA_N

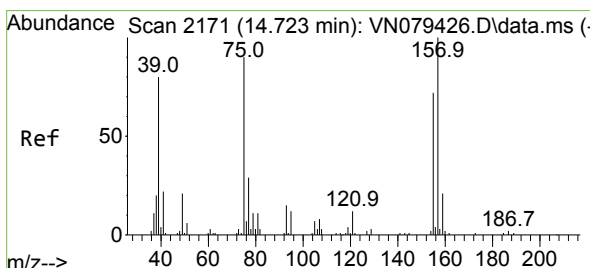
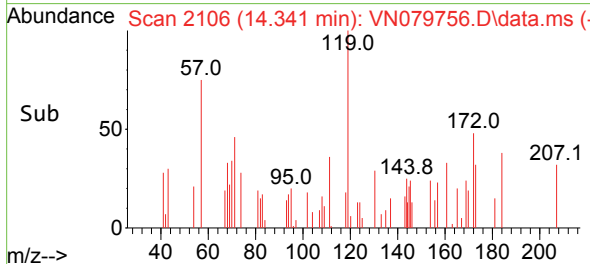
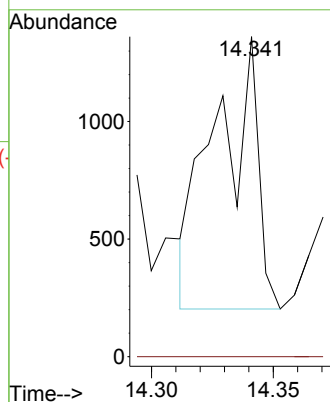
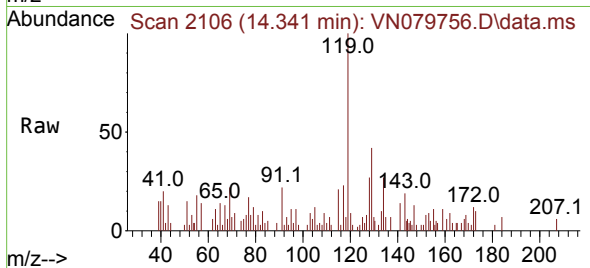
ClientSampleId :

Tgt Ion:117 Resp: 1407

Ion Ratio Lower Upper

117 100

201 0.0 29.3 88.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.253 ug/l

RT: 14.741 min Scan# 2174

Delta R.T. 0.018 min

Lab File: VN079756.D

Acq: 31 Oct 2023 20:07

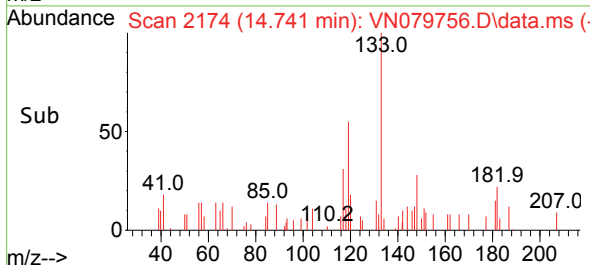
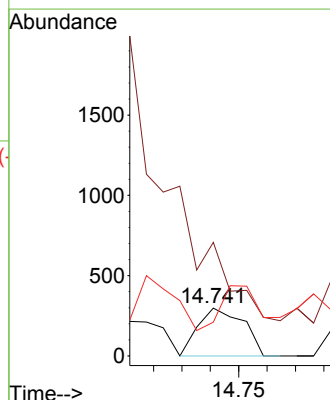
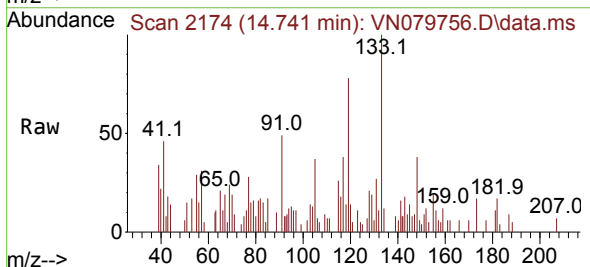
Tgt Ion: 75 Resp: 330

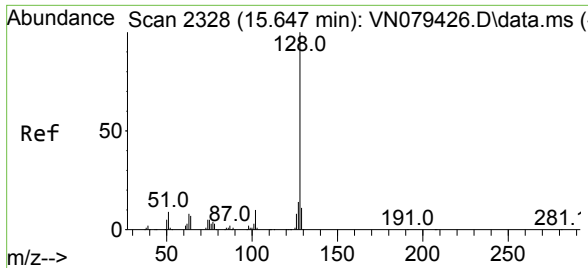
Ion Ratio Lower Upper

75 100

155 0.0 39.1 117.2#

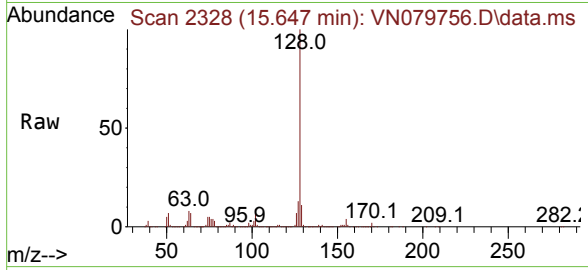
157 0.0 50.3 150.9#





#95
Naphthalene
Concen: 100.685 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079756.D
Acq: 31 Oct 2023 20:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	805240
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	11.4	8.7	13.1

