

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082423\
 Data File : VN079038.D
 Acq On : 24 Aug 2023 17:54
 Operator : JC\MD
 Sample : VIBLK
 Misc : 6.72g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 02:56:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

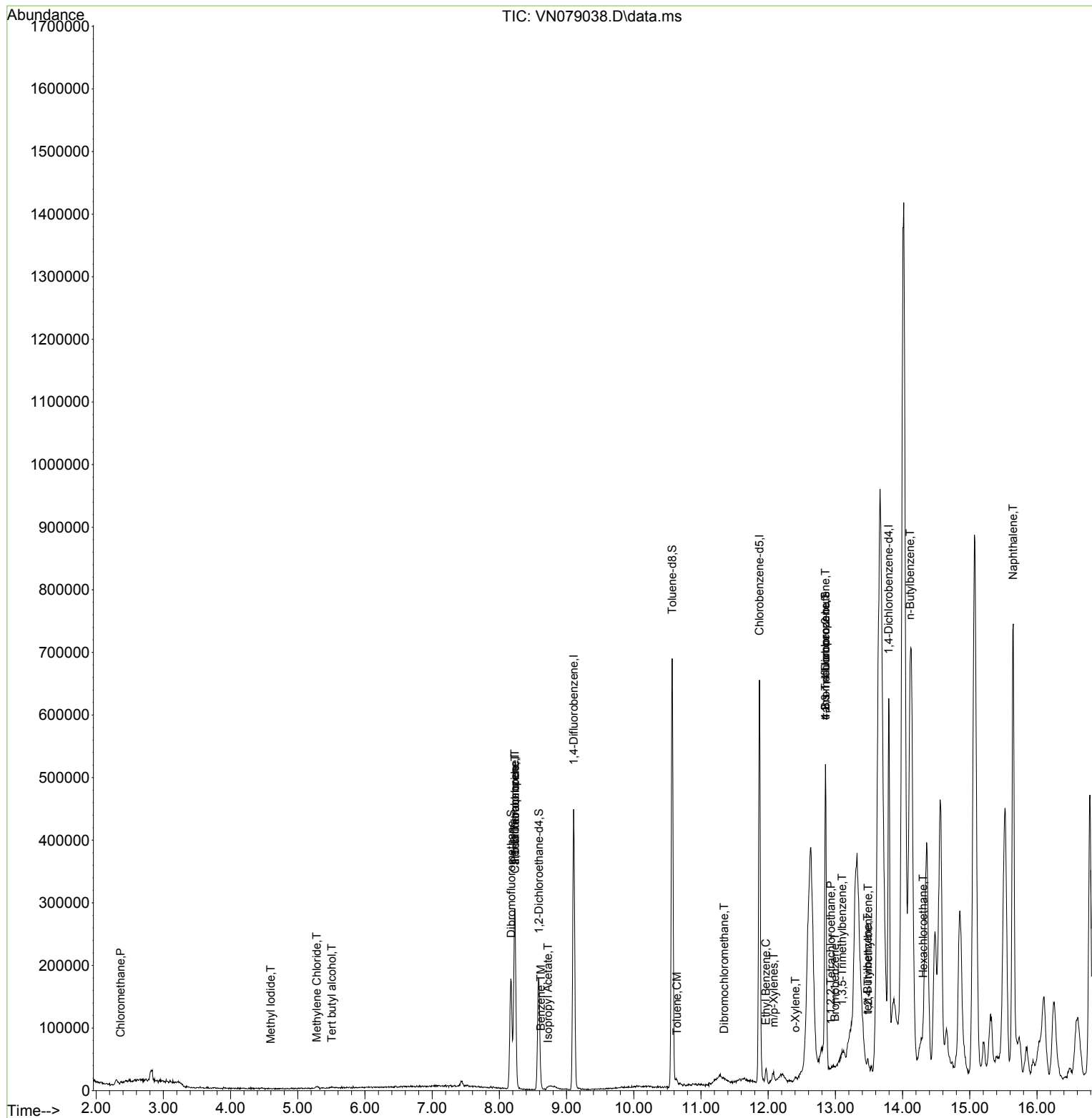
Internal Standards						
1) Pentafluorobenzene	8.230	168	216274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	385453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	356277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	146515	43.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.080%		
35) Dibromofluoromethane	8.177	113	124971	48.165	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.320%		
50) Toluene-d8	10.571	98	468919	48.672	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.853	95	158157	50.224	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.440%		
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	934	0.223	ug/l #	42
10) Methyl Iodide	4.600	142	572	0.214	ug/l #	1
11) Tert butyl alcohol	5.506	59	605	1.071	ug/l #	50
20) Methylene Chloride	5.283	84	1673	0.565	ug/l #	86
31) Cyclohexane	8.230	56	5964	Below Cal	#	52
36) 1,1-Dichloropropene	8.230	75	17956	4.601	ug/l #	40
38) Carbon Tetrachloride	8.235	117	21765	5.565	ug/l #	16
40) Benzene	8.618	78	3161	0.274	ug/l #	89
43) Isopropyl Acetate	8.724	43	2723	0.353	ug/l #	49
52) Toluene	10.641	92	3130	0.442	ug/l #	72
60) Dibromochloromethane	11.347	129	1101	0.368	ug/l	77
67) Ethyl Benzene	11.965	91	15728	1.140	ug/l	95
68) m/p-Xylenes	12.082	106	4125	0.800	ug/l	93
69) o-Xylene	12.406	106	1772	0.353	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	1613	0.368	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	87296	24.863	ug/l #	1
77) Bromobenzene	12.994	156	933	0.319	ug/l #	4
80) 1,3,5-Trimethylbenzene	13.100	105	6142	0.638	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.853	75	87296	63.514	ug/l #	15
83) tert-Butylbenzene	13.482	119	2655	0.328	ug/l	85
84) 1,2,4-Trimethylbenzene	13.488	105	6799	0.713	ug/l	97
89) n-Butylbenzene	14.112	91	2299	0.314	ug/l #	15
90) Hexachloroethane	14.306	117	726	0.407	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.706	75	427	Below Cal	#	4
95) Naphthalene	15.647	128	594421	86.537	ug/l	97

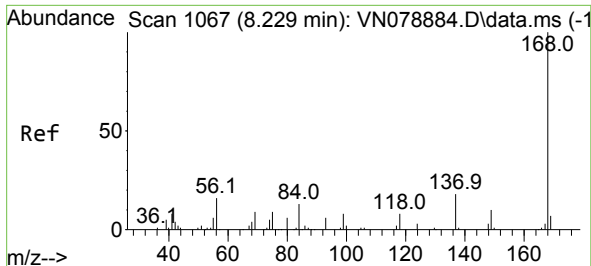
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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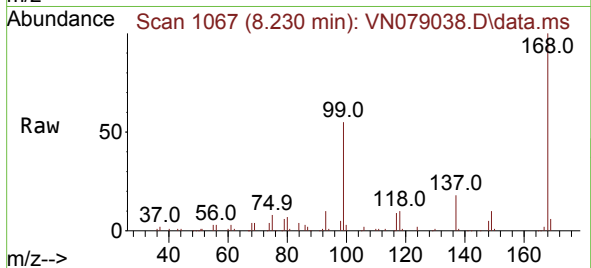
Quant Time: Aug 25 02:56:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 16 02:42:02 2023
Response via : Initial Calibration



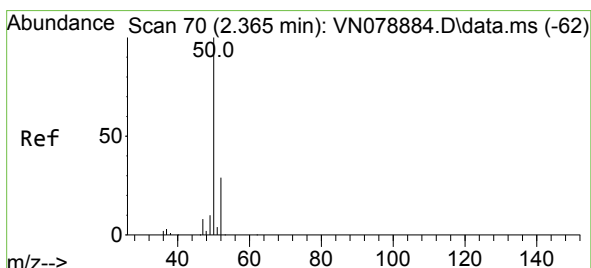
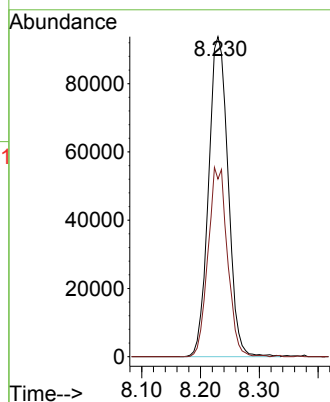
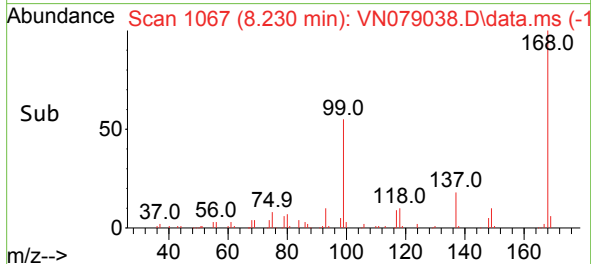


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :

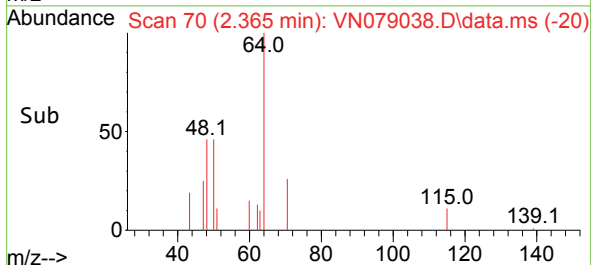
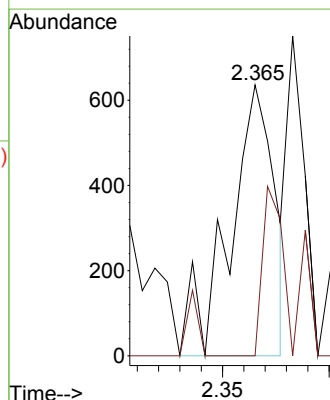
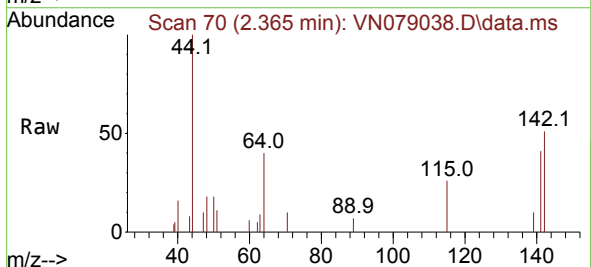


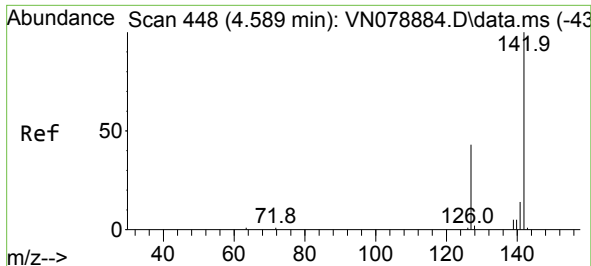
Tgt Ion:168 Resp: 216274
Ion Ratio Lower Upper
168 100
99 55.5 53.0 79.6



#3
Chloromethane
Concen: 0.223 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

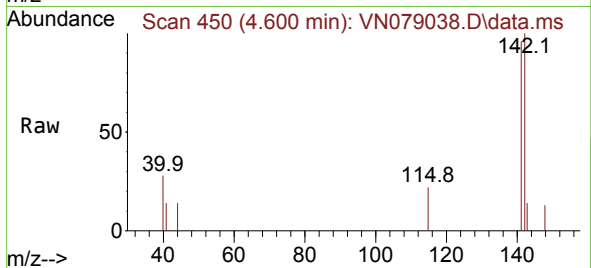
Tgt Ion: 50 Resp: 934
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



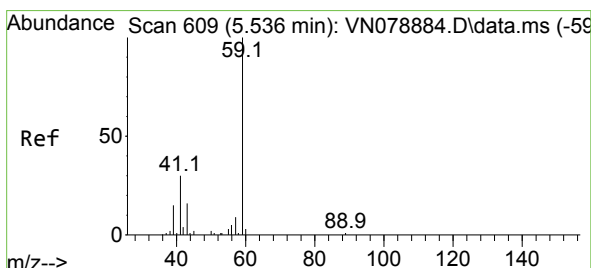
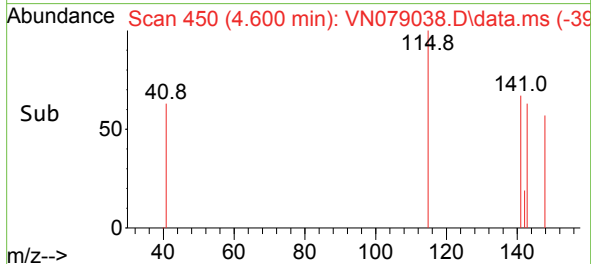
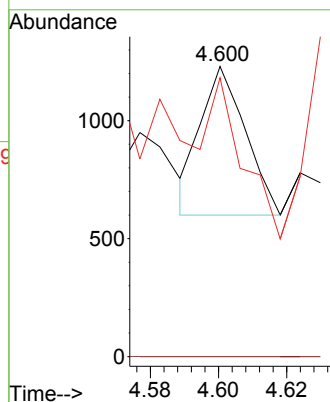


#10
Methyl Iodide
Concen: 0.214 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :

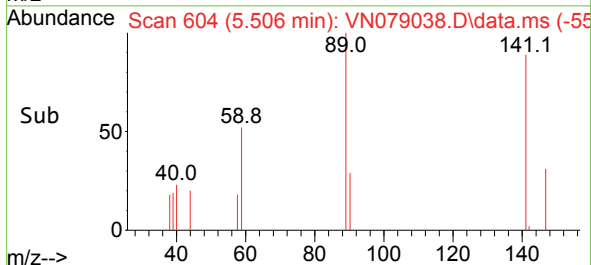
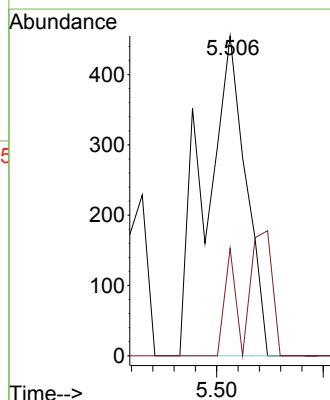
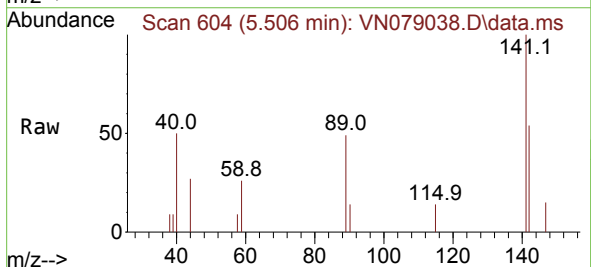


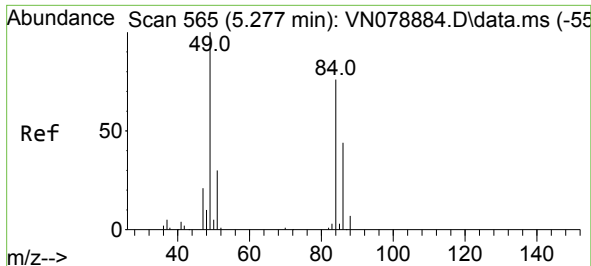
Tgt Ion:142 Resp: 572
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 108.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.071 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

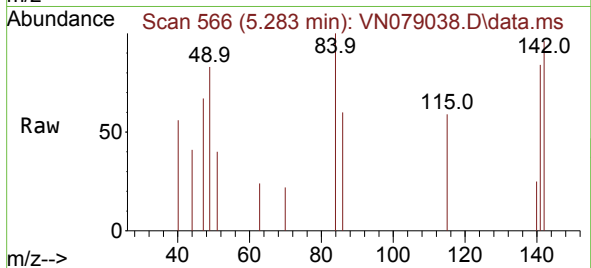
Tgt Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 29.1 8.2 12.4#



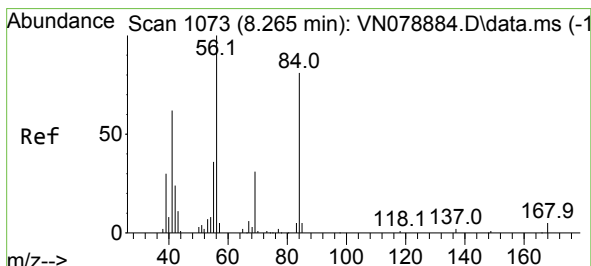
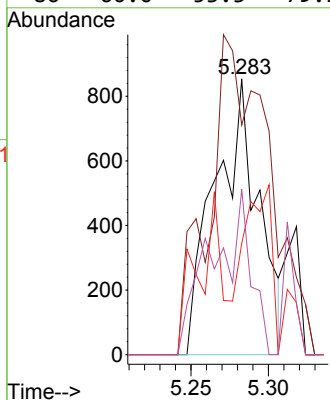
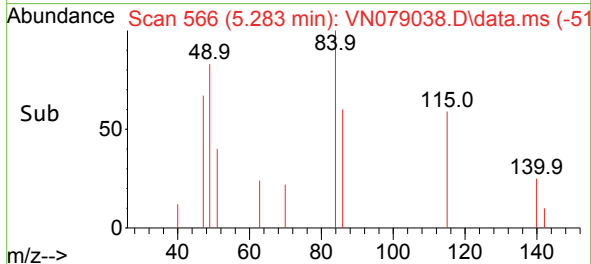


#20
Methylene Chloride
Concen: 0.565 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

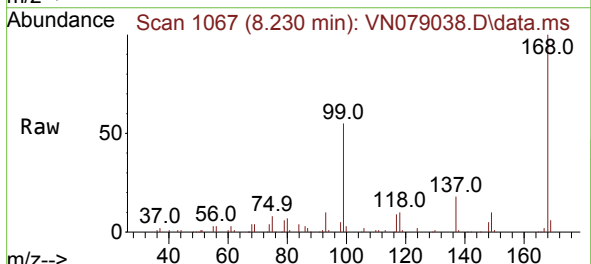
Instrument :
MSVOA_N
ClientSampleId :



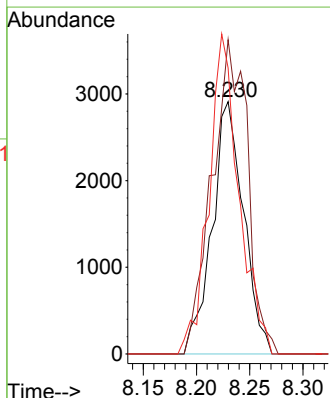
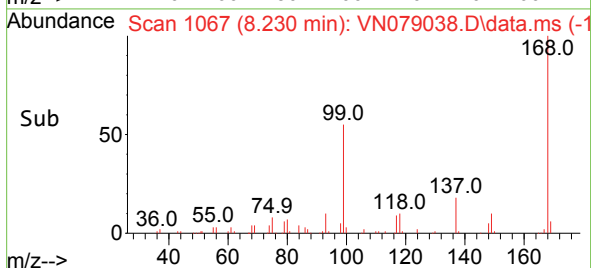
Tgt Ion:	84	Resp:	1673
Ion	Ratio	Lower	Upper
84	100		
49	83.3	79.7	119.5
51	40.3	25.2	37.8#
86	60.0	53.3	79.9

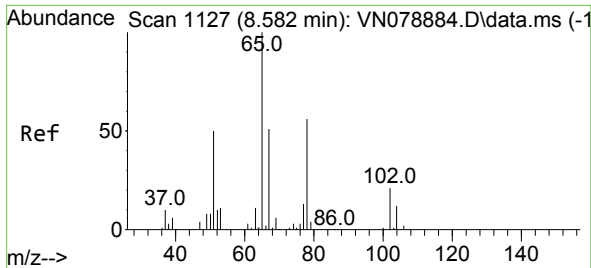


#31
Cyclohexane
Concen: Below Cal
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54



Tgt Ion:	56	Resp:	5964
Ion	Ratio	Lower	Upper
56	100		
69	124.5	26.8	40.2#
84	113.3	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 43.536 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

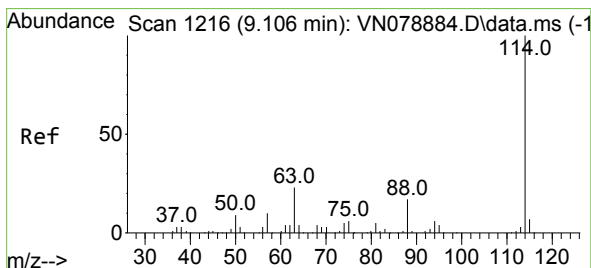
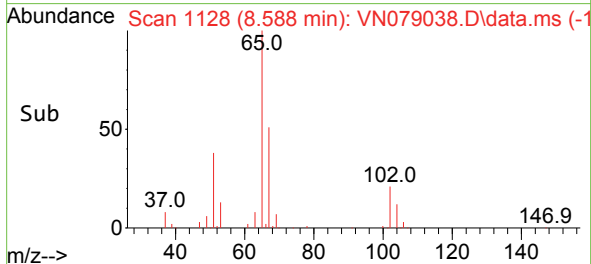
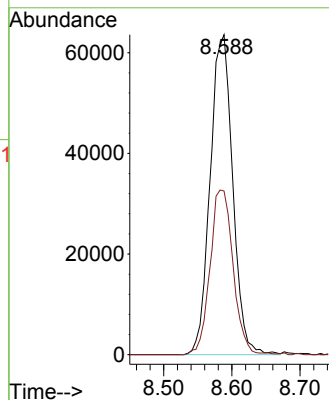
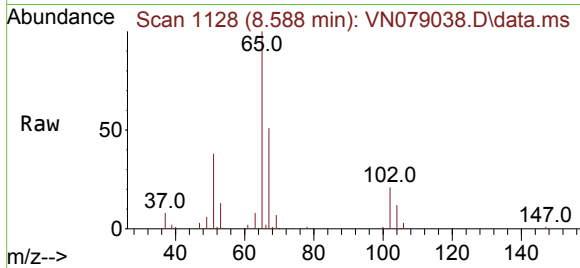
ClientSampleId :

Tgt Ion: 65 Resp: 146515

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

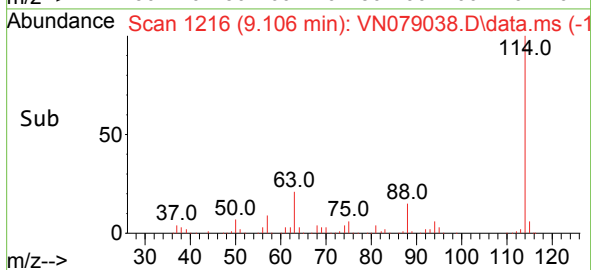
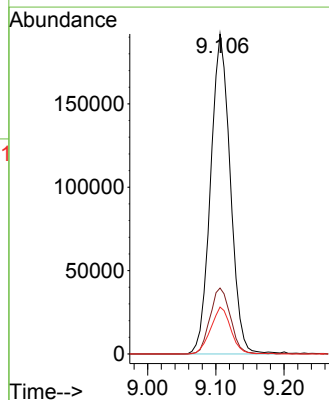
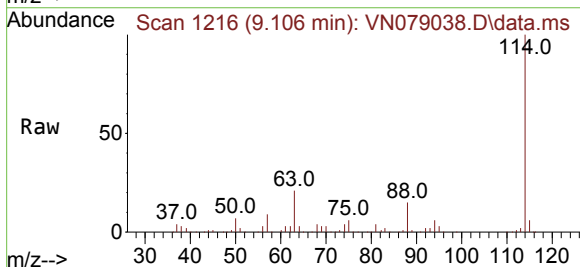
Tgt Ion: 114 Resp: 385453

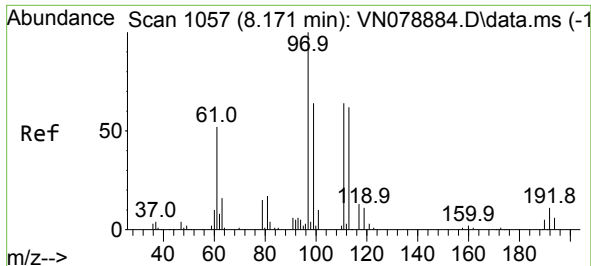
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.165 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

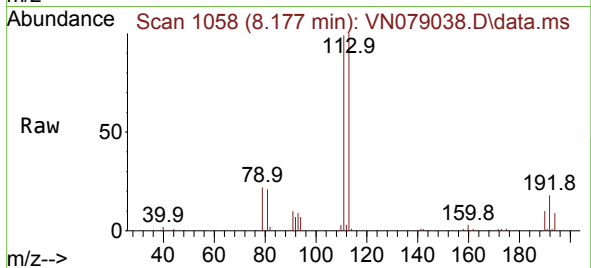
Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :



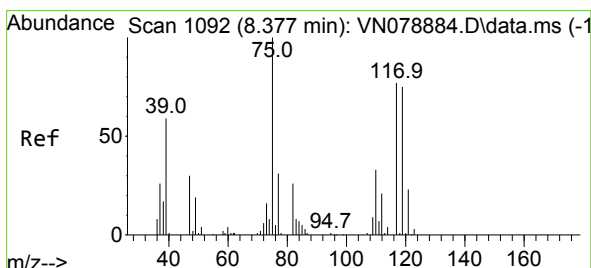
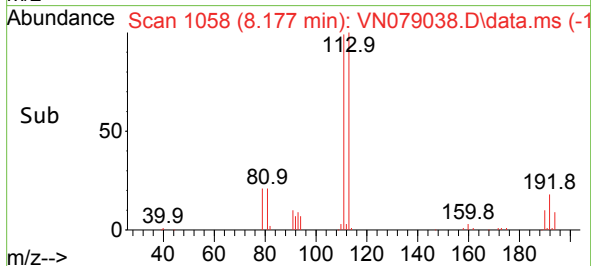
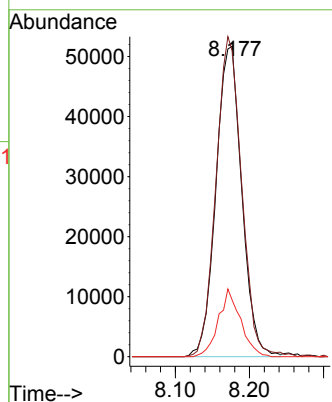
Tgt Ion:113 Resp: 124971

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 18.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

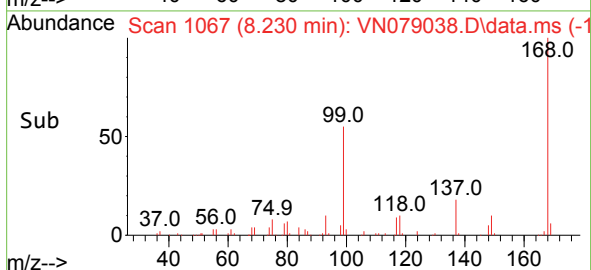
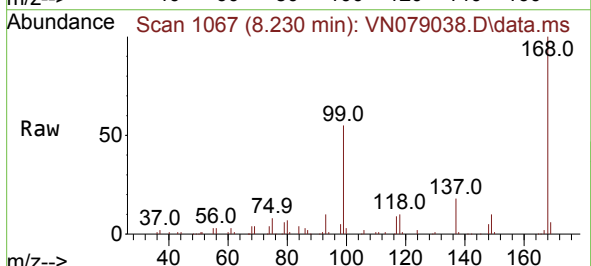
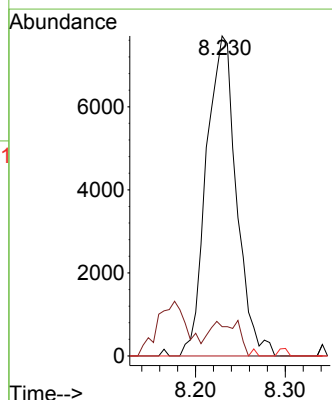
Tgt Ion: 75 Resp: 17956

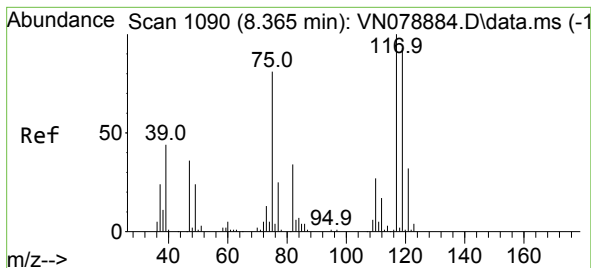
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.565 ug/l

RT: 8.235 min Scan# 1106

Delta R.T. -0.136 min

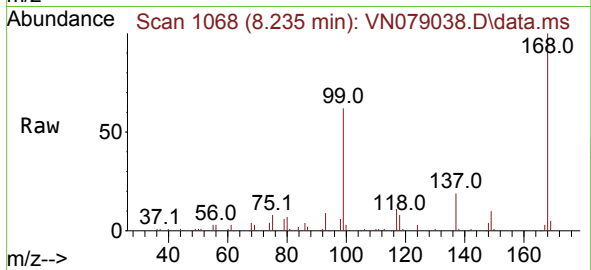
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Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :



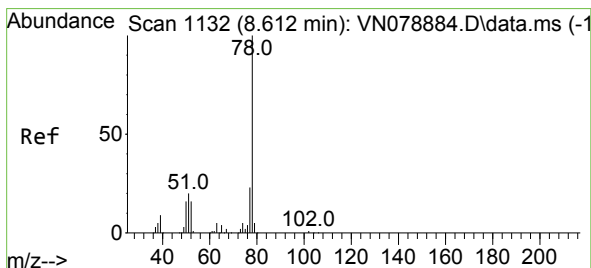
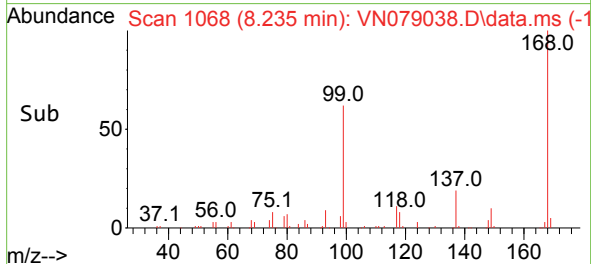
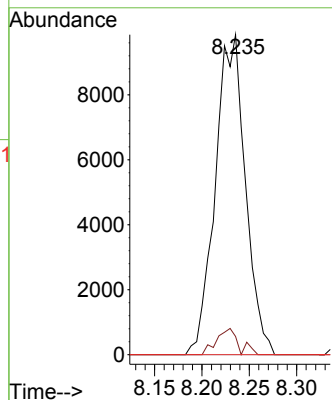
Tgt Ion:117 Resp: 21765

Ion Ratio Lower Upper

117 100

119 5.7 77.3 115.9#

121 0.0 23.3 34.9#



#40

Benzene

Concen: 0.274 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN079038.D

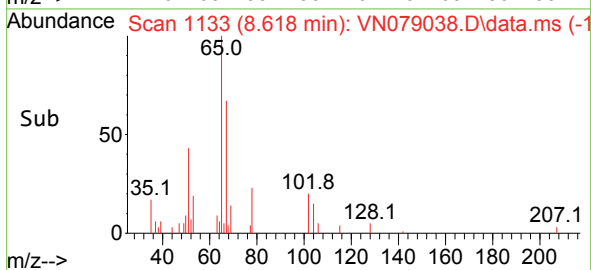
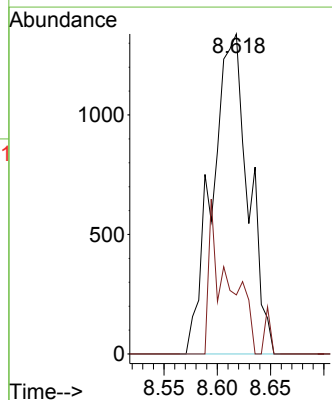
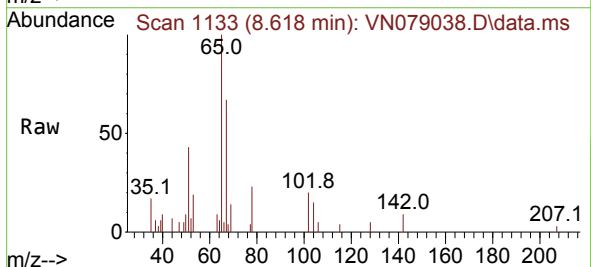
Acq: 24 Aug 2023 17:54

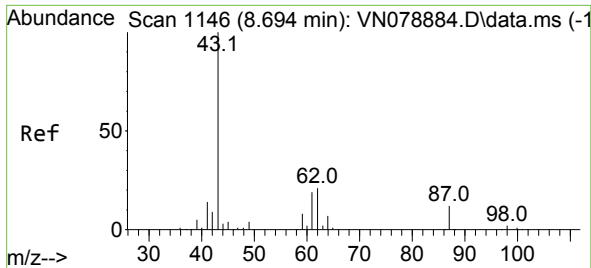
Tgt Ion: 78 Resp: 3161

Ion Ratio Lower Upper

78 100

77 18.4 19.0 28.6#

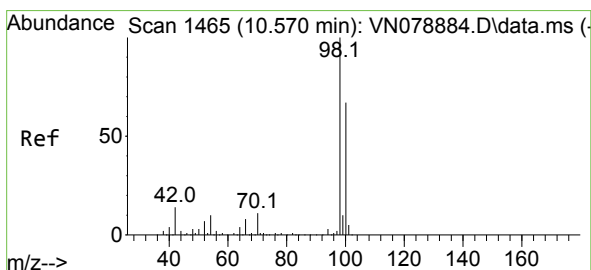
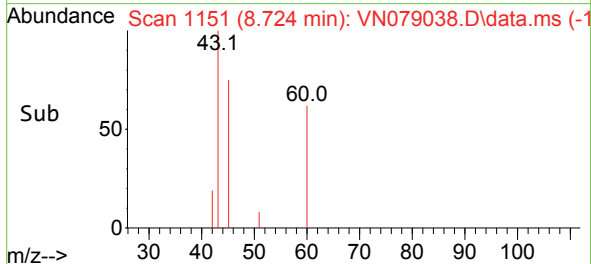
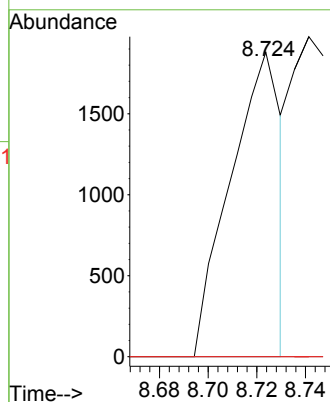
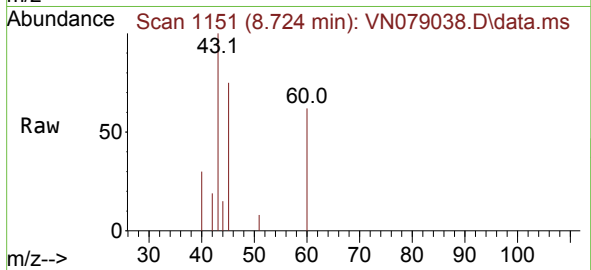




#43
Isopropyl Acetate
Concen: 0.353 ug/l
RT: 8.724 min Scan# 1146
Delta R.T. 0.030 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

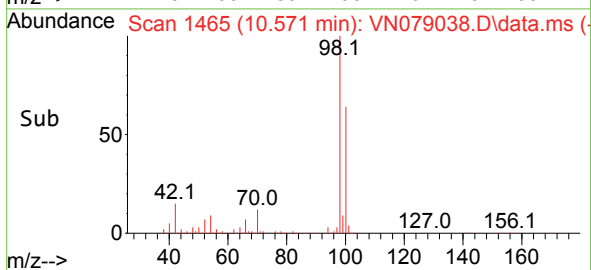
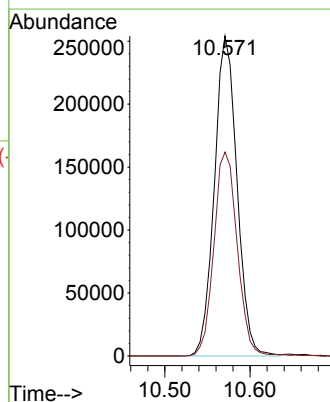
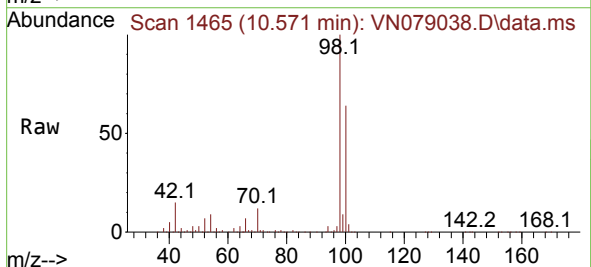
Instrument :
MSVOA_N
ClientSampleId :

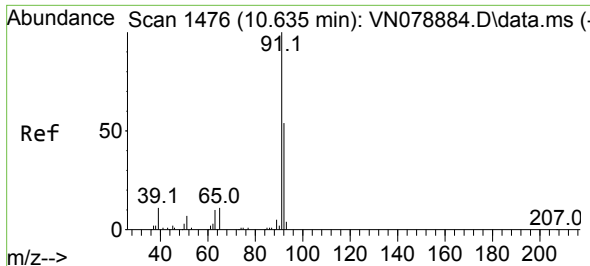
Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 48.672 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Tgt Ion: 98 Resp: 468919
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0

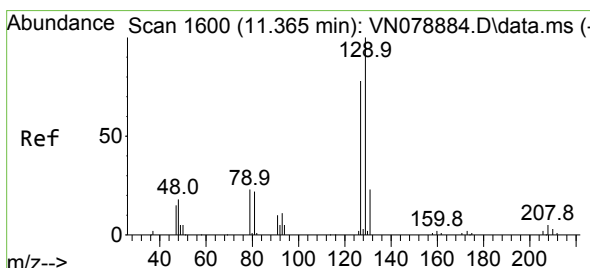
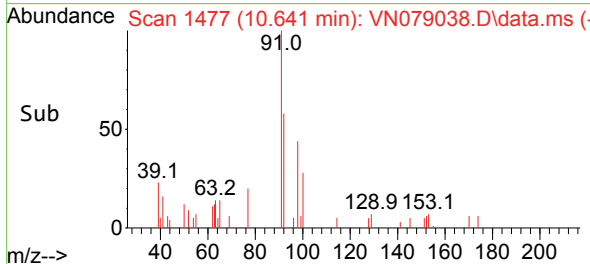
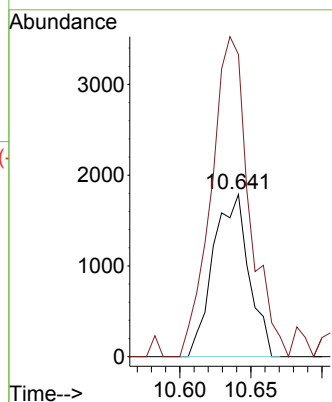
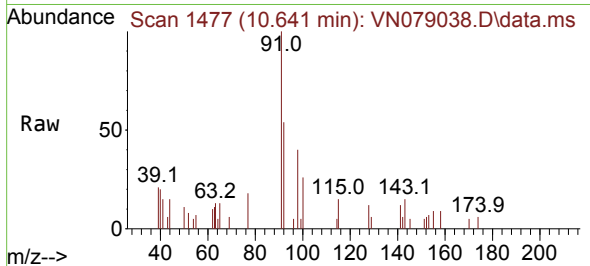




#52
Toluene
Concen: 0.442 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

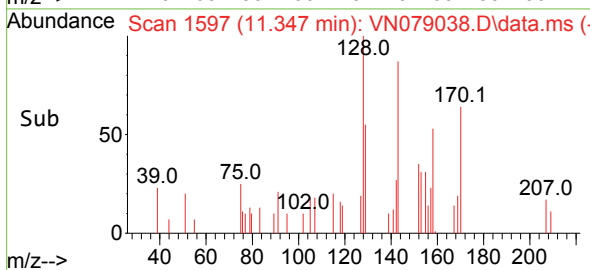
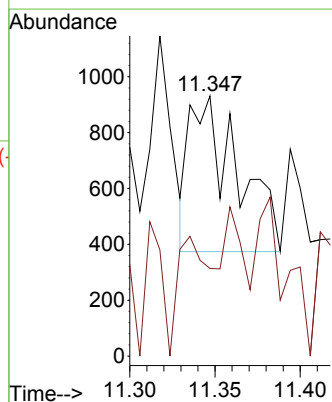
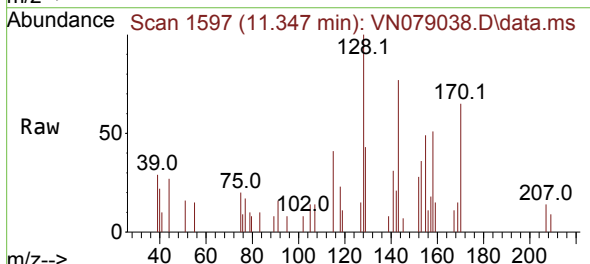
Instrument :
MSVOA_N
ClientSampleId :

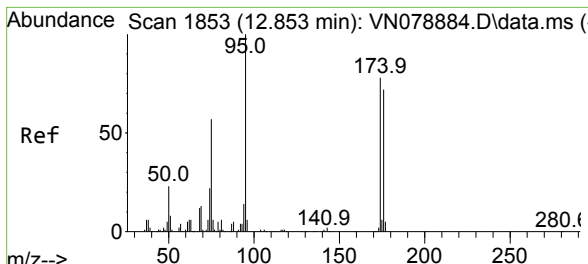
Tgt Ion: 92 Resp: 3130
Ion Ratio Lower Upper
92 100
91 210.6 137.4 206.0#



#60
Dibromochloromethane
Concen: 0.368 ug/l
RT: 11.347 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Tgt Ion: 129 Resp: 1101
Ion Ratio Lower Upper
129 100
127 57.0 38.6 116.0

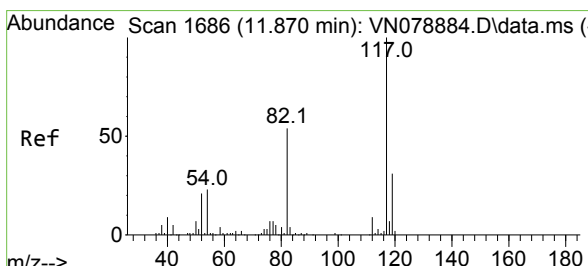
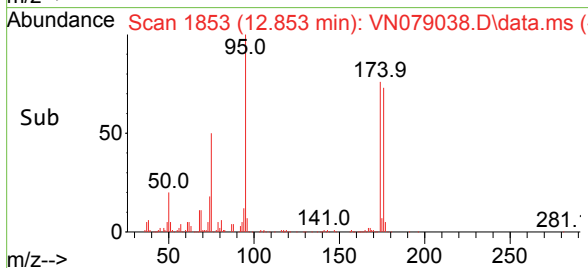
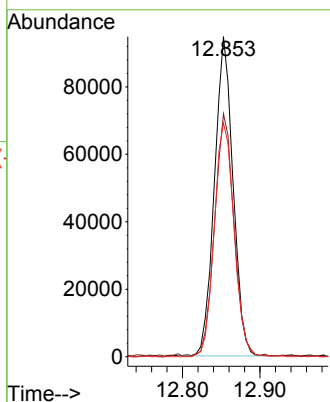
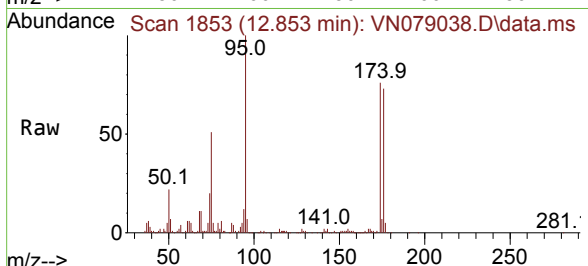




#62
 4-Bromofluorobenzene
 Concen: 50.224 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079038.D
 Acq: 24 Aug 2023 17:54

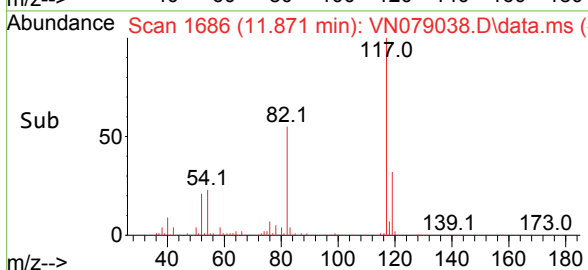
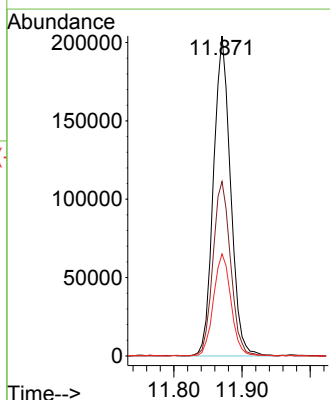
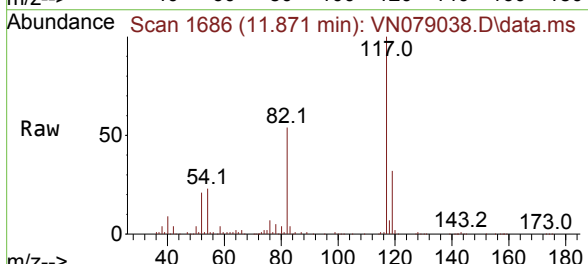
Instrument :
 MSVOA_N
 ClientSampleId :

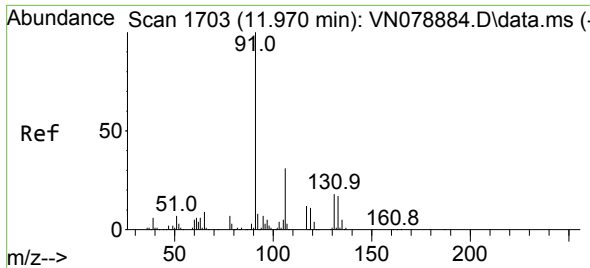
Tgt Ion:	95	Resp:	158157
Ion Ratio	Lower	Upper	
95	100		
174	78.9	0.0	143.8
176	78.0	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079038.D
 Acq: 24 Aug 2023 17:54

Tgt Ion:	117	Resp:	356277
Ion Ratio	Lower	Upper	
117	100		
82	54.5	44.0	66.0
119	31.9	25.6	38.4

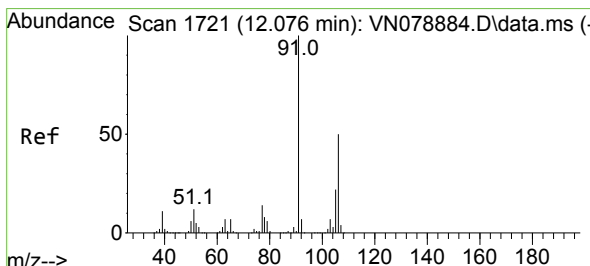
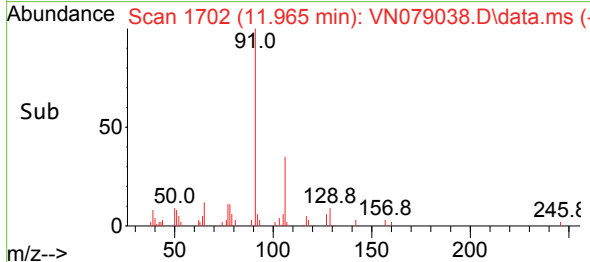
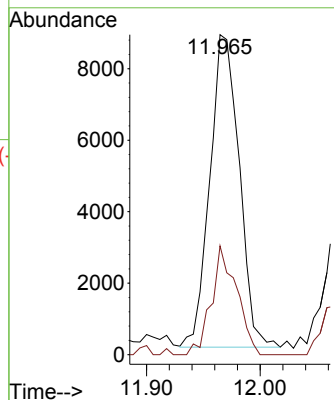
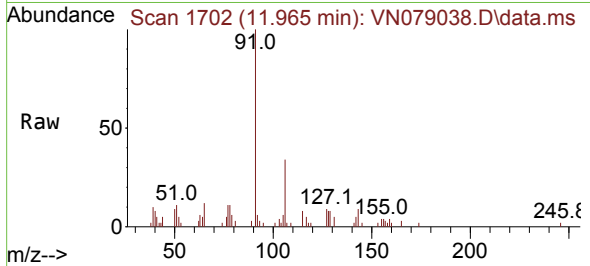




#67
Ethyl Benzene
Concen: 1.140 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

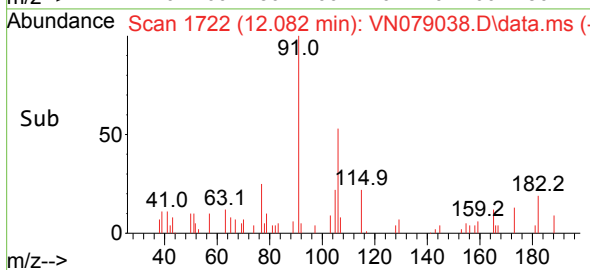
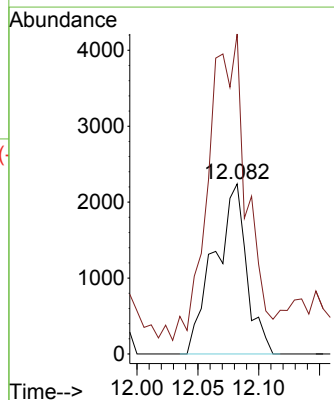
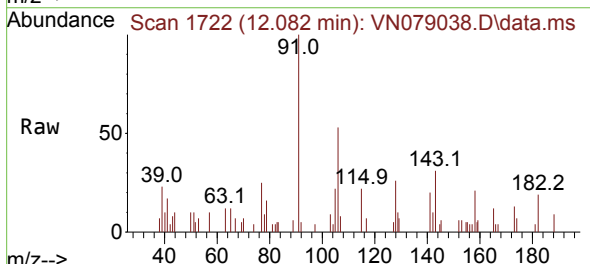
Instrument :
MSVOA_N
ClientSampleId :

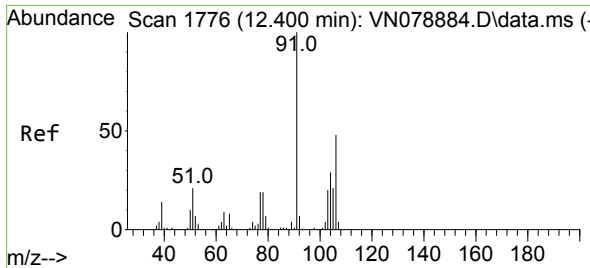
Tgt Ion: 91 Resp: 15728
Ion Ratio Lower Upper
91 100
106 34.8 25.6 38.4



#68
m/p-Xylenes
Concen: 0.800 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Tgt Ion: 106 Resp: 4125
Ion Ratio Lower Upper
106 100
91 210.3 159.6 239.4

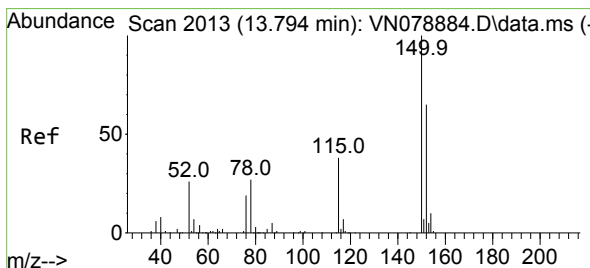
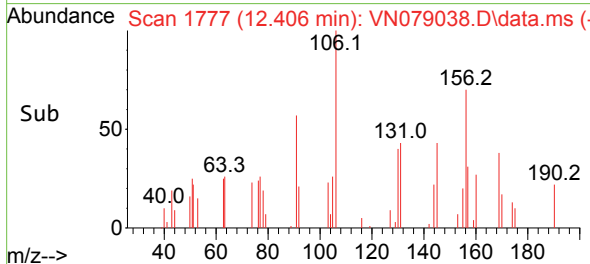
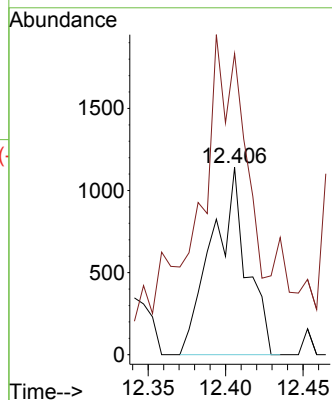
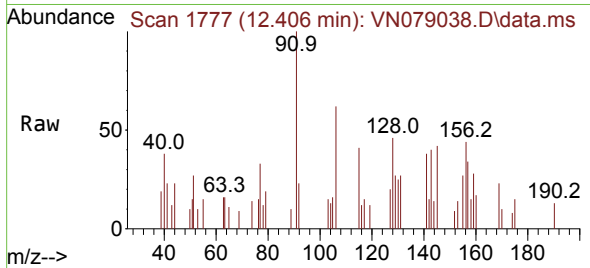




#69
o-Xylene
Concen: 0.353 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

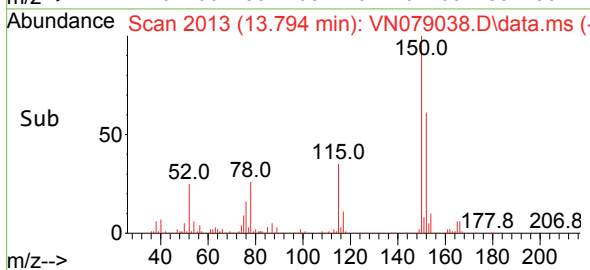
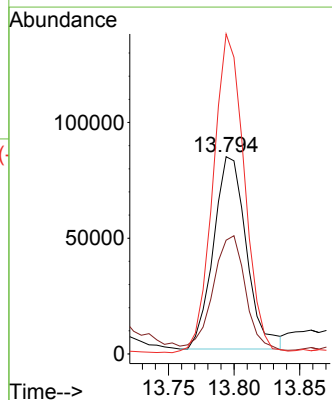
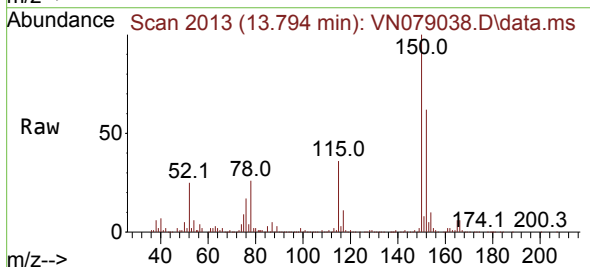
Instrument :
MSVOA_N
ClientSampleId :

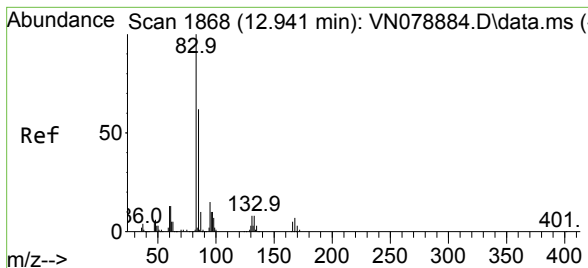
Tgt Ion:106 Resp: 1772
Ion Ratio Lower Upper
106 100
91 201.8 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Tgt Ion:152 Resp: 145718
Ion Ratio Lower Upper
152 100
115 58.3 32.3 96.8
150 156.8 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: 0.368 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN079038.D

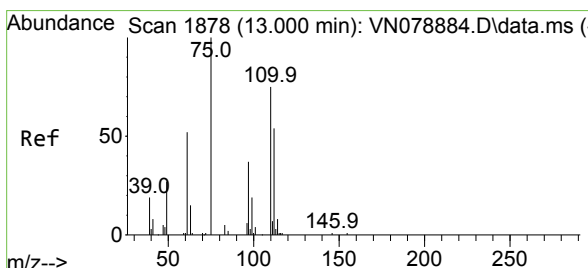
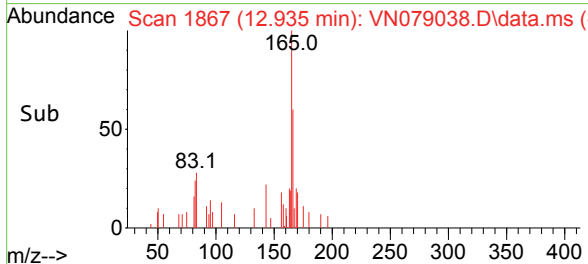
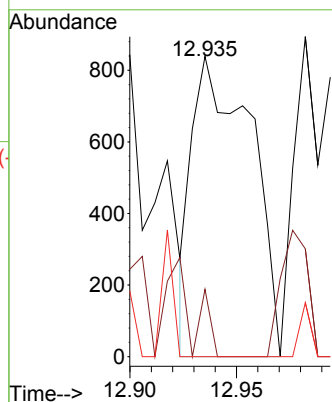
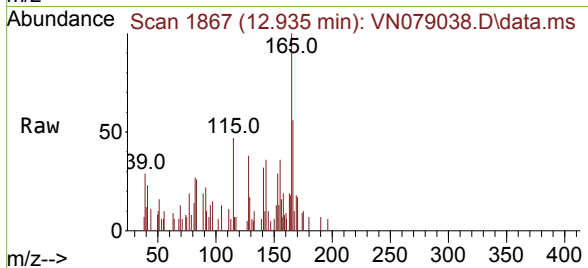
Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp: 1613
Ion Ratio	Lower Upper
83	100
131	14.8 5.0 15.0
85	7.7 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 24.863 ug/l

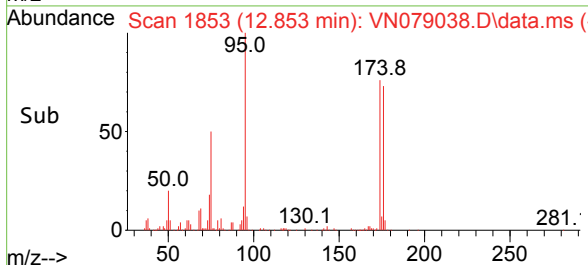
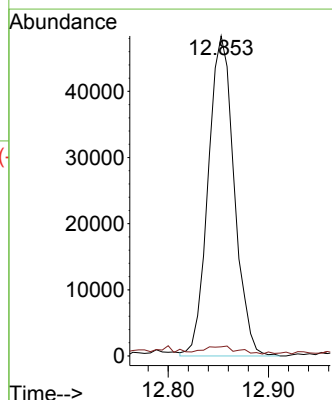
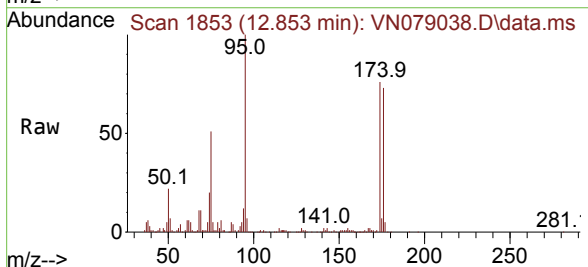
RT: 12.853 min Scan# 1853

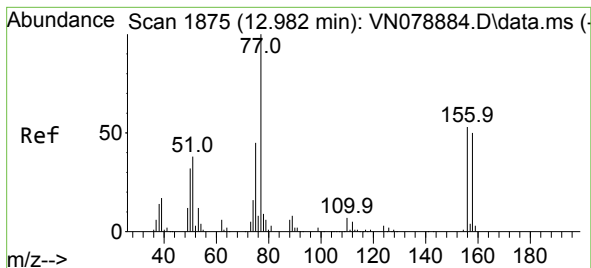
Delta R.T. -0.147 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

Tgt Ion: 75	Resp: 87296
Ion Ratio	Lower Upper
75	100
77	3.1 84.5 253.5#





#77

Bromobenzene

Concen: 0.319 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.012 min

Lab File: VN079038.D

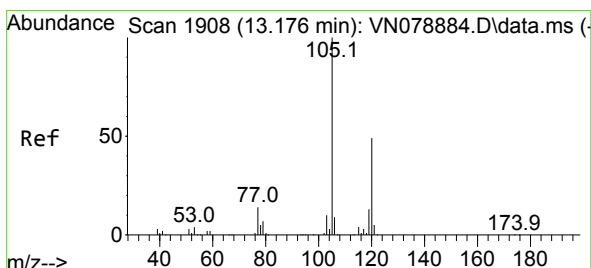
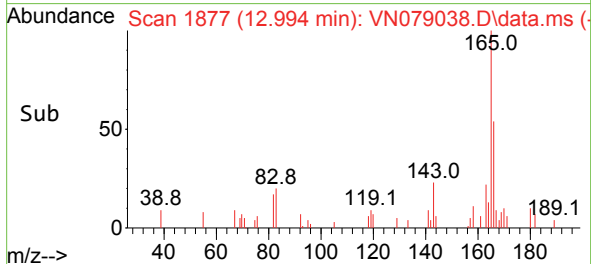
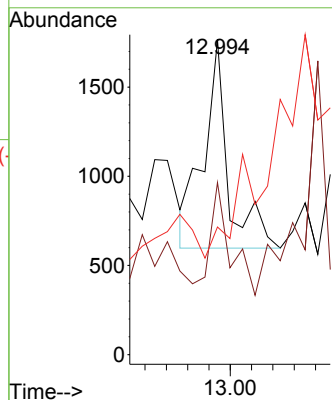
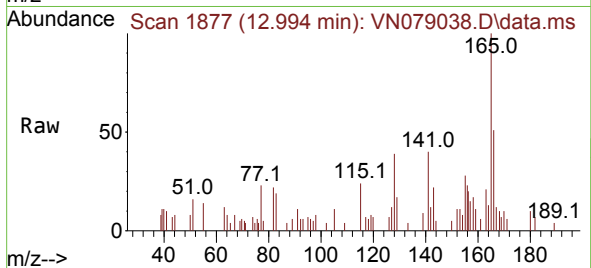
Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	156	Resp:	933
Ion Ratio	Lower	Upper	
156	100		
77	43.4	107.7	323.3#
158	29.3	48.4	145.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.638 ug/l

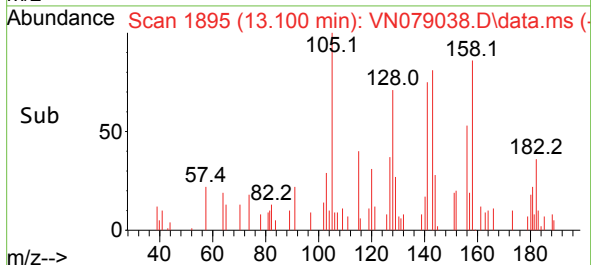
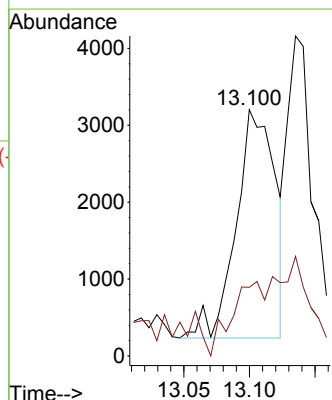
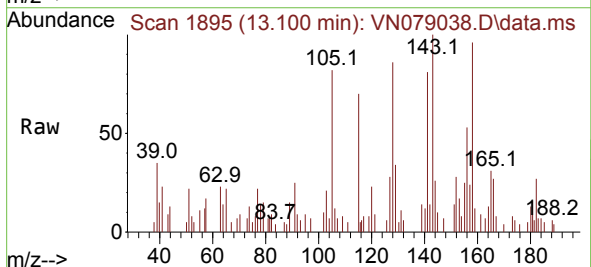
RT: 13.100 min Scan# 1895

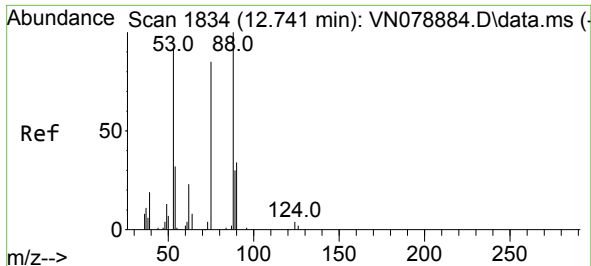
Delta R.T. -0.076 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

Tgt Ion:	105	Resp:	6142
Ion Ratio	Lower	Upper	
105	100		
120	27.6	24.1	72.3

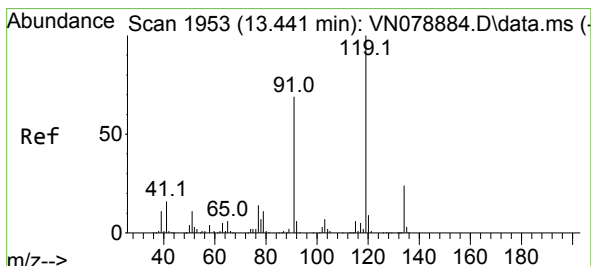
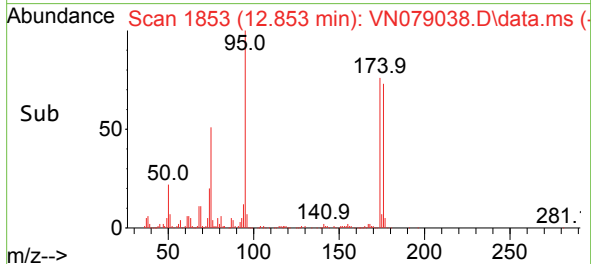
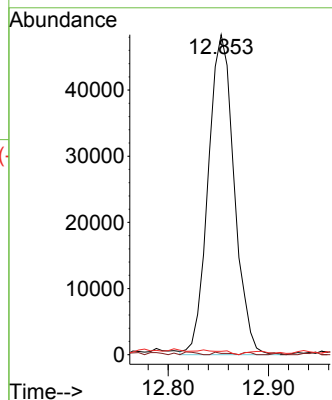
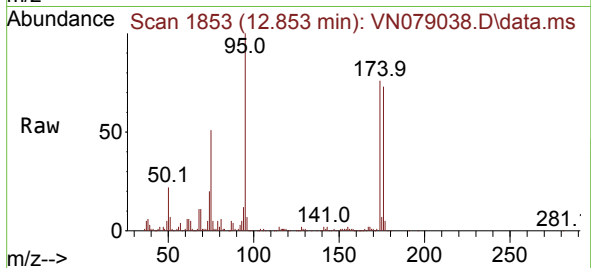




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.514 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079038.D
 Acq: 24 Aug 2023 17:54

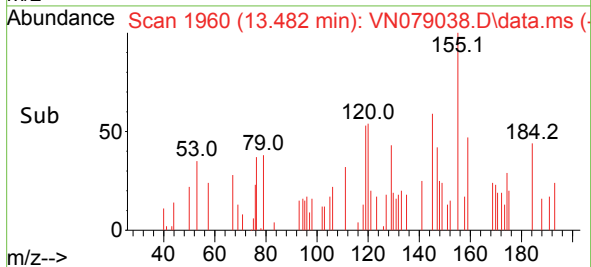
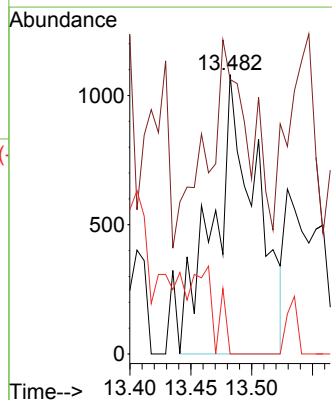
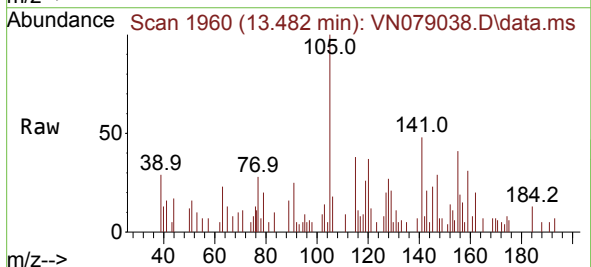
Instrument :
 MSVOA_N
 ClientSampleId :

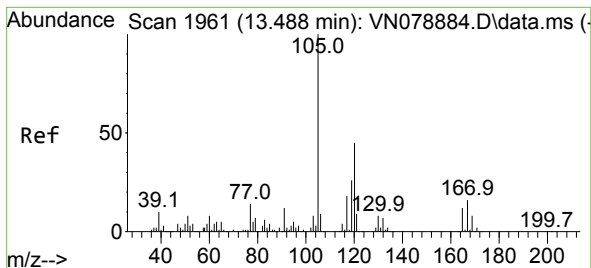
Tgt Ion: 75 Resp: 87296
 Ion Ratio Lower Upper
 75 100
 53 0.4 67.4 101.2#
 89 0.0 38.8 58.2#



#83
 tert-Butylbenzene
 Concen: 0.328 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.041 min
 Lab File: VN079038.D
 Acq: 24 Aug 2023 17:54

Tgt Ion: 119 Resp: 2655
 Ion Ratio Lower Upper
 119 100
 91 57.7 33.9 101.7
 134 15.9 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.713 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

Instrument :

MSVOA_N

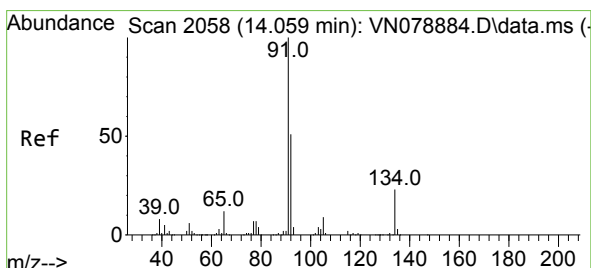
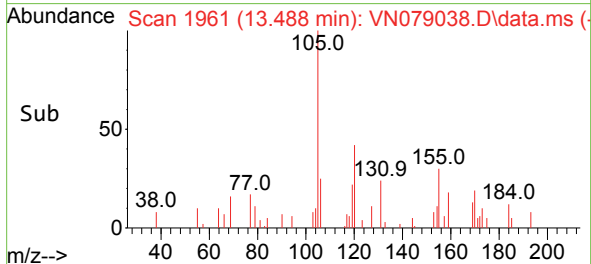
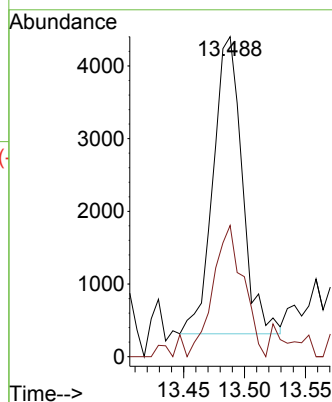
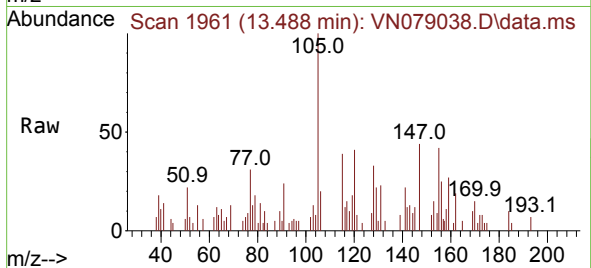
ClientSampleId :

Tgt Ion:105 Resp: 6799

Ion Ratio Lower Upper

105 100

120 45.9 22.0 66.0



#89

n-Butylbenzene

Concen: 0.314 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.053 min

Lab File: VN079038.D

Acq: 24 Aug 2023 17:54

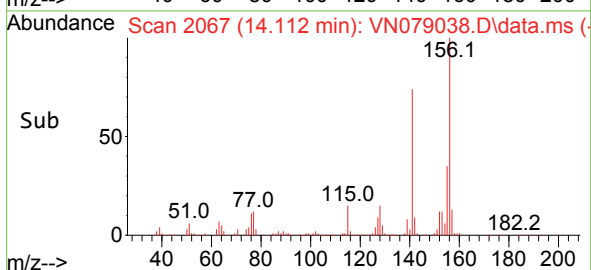
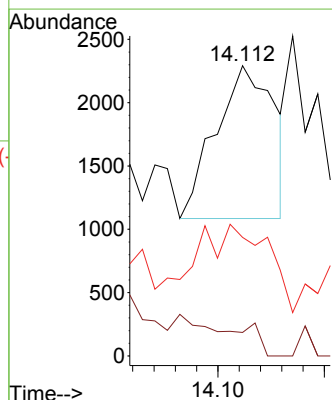
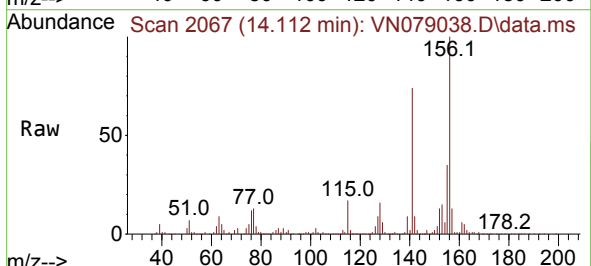
Tgt Ion: 91 Resp: 2299

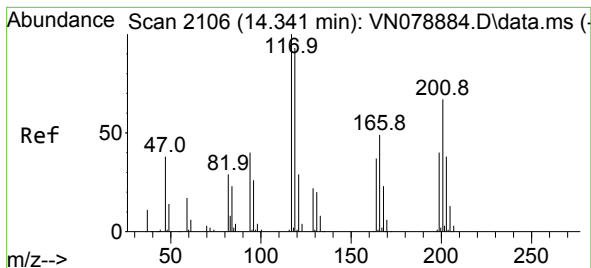
Ion Ratio Lower Upper

91 100

92 0.0 26.4 79.0#

134 78.9 12.6 37.6#

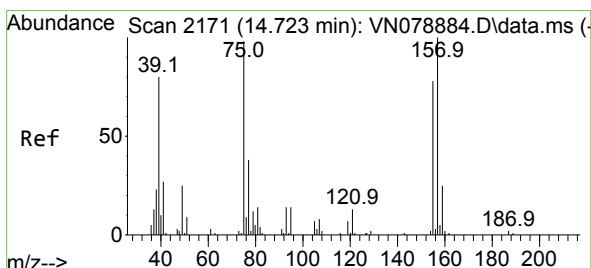
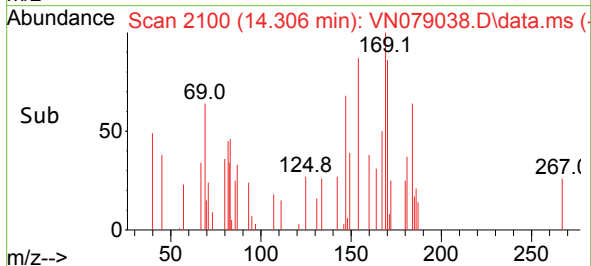
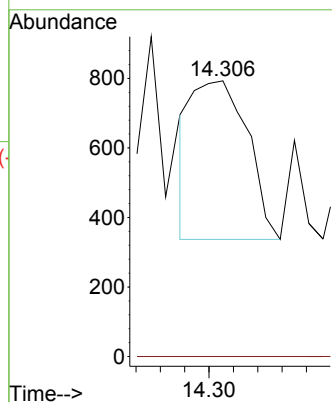
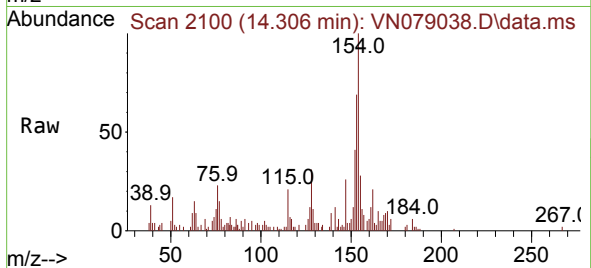




#90
Hexachloroethane
Concen: 0.407 ug/l
RT: 14.306 min Scan# 2106
Delta R.T. -0.029 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

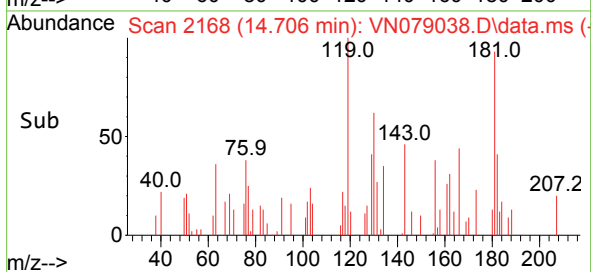
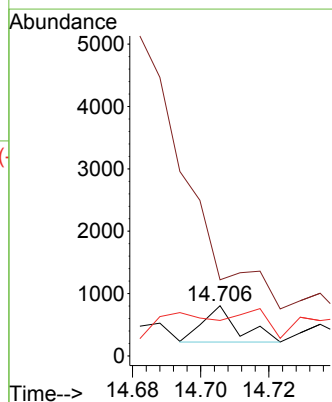
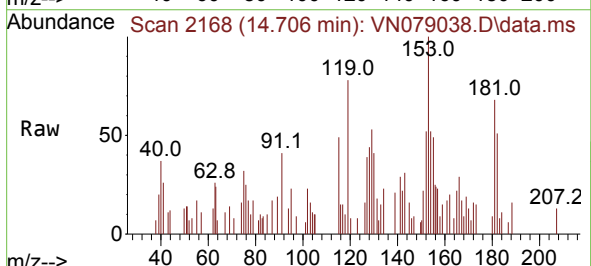
Instrument :
MSVOA_N
ClientSampleId :

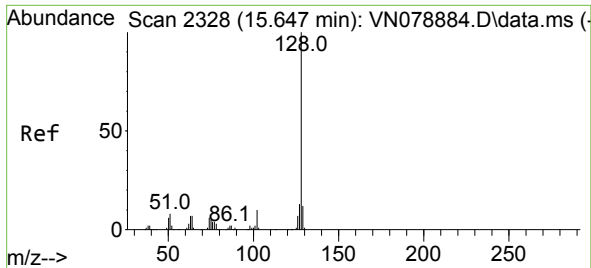
Tgt Ion:117 Resp: 726
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.706 min Scan# 2168
Delta R.T. -0.017 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Tgt Ion: 75 Resp: 427
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#





#95
Naphthalene
Concen: 86.537 ug/l
RT: 15.647 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079038.D
Acq: 24 Aug 2023 17:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 594421
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 11.6 8.7 13.1

