

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103123\
 Data File : VN079744.D
 Acq On : 31 Oct 2023 15:19
 Operator : JC\MD
 Sample : 05143-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

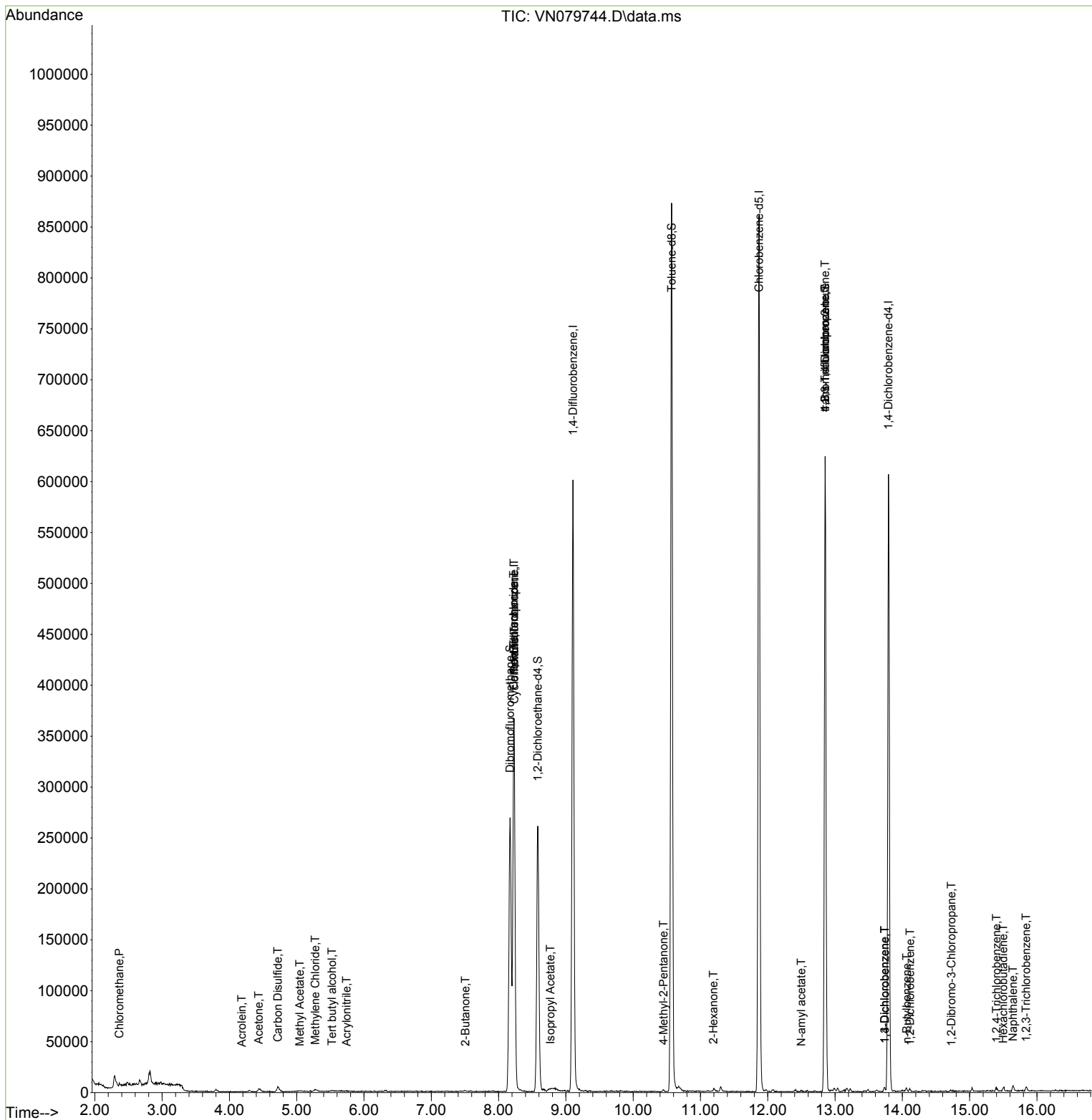
Quant Time: Nov 01 01:21:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:23:24 2023
 Response via : Initial Calibration

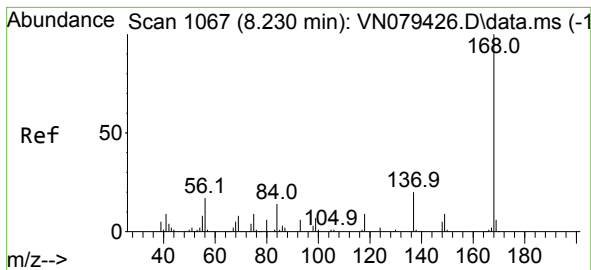
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	259301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	488178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	488939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214528	51.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	192538	55.196	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.400%			
50) Toluene-d8	10.570	98	589351	45.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.640%			
62) 4-Bromofluorobenzene	12.853	95	208435	50.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.800%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1469	0.354	ug/l #	72
11) Tert butyl alcohol	5.524	59	559	1.012	ug/l #	72
13) Acrolein	4.183	56	444	0.799	ug/l #	38
15) Acrylonitrile	5.741	53	554	0.326	ug/l #	77
16) Acetone	4.436	43	4597	2.580	ug/l	93
17) Carbon Disulfide	4.718	76	2852	0.328	ug/l #	75
18) Methyl Acetate	5.047	43	1799	0.250	ug/l #	42
20) Methylene Chloride	5.277	84	990	0.281	ug/l	84
25) 2-Butanone	7.506	43	1553	0.635	ug/l #	37
31) Cyclohexane	8.235	56	7063	1.243	ug/l #	31
36) 1,1-Dichloropropene	8.229	75	24499	4.734	ug/l #	49
38) Carbon Tetrachloride	8.224	117	27217	5.274	ug/l #	20
43) Isopropyl Acetate	8.771	43	3162	0.386	ug/l #	49
51) 4-Methyl-2-Pentanone	10.453	43	1623	0.318	ug/l #	72
59) 2-Hexanone	11.194	43	3080	0.821	ug/l #	45
74) N-amyl acetate	12.500	43	1148	0.209	ug/l #	54
76) 1,2,3-Trichloropropane	12.853	75	115317	27.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115317	83.891	ug/l #	15
87) 1,3-Dichlorobenzene	13.741	146	1206	0.219	ug/l	78
88) 1,4-Dichlorobenzene	13.741	146	1206	0.220	ug/l	75
89) n-Butylbenzene	14.064	91	2533	0.311	ug/l	94
91) 1,2-Dichlorobenzene	14.117	146	1307	0.244	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.729	75	237	0.314	ug/l #	35
93) 1,2,4-Trichlorobenzene	15.400	180	1333	0.836	ug/l #	72
94) Hexachlorobutadiene	15.500	225	1185	0.837	ug/l	84
95) Naphthalene	15.647	128	5101	1.101	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	933	0.524	ug/l #	14

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

Quant Time: Nov 01 01:21:11 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN079744.D

Acq: 31 Oct 2023 15:19

Instrument :

MSVOA_N

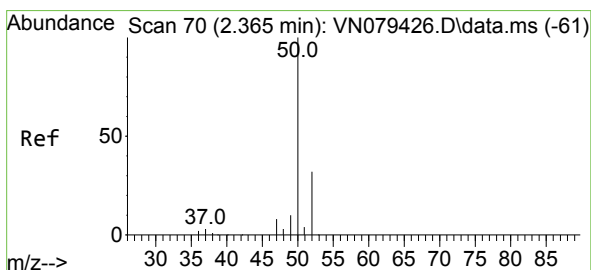
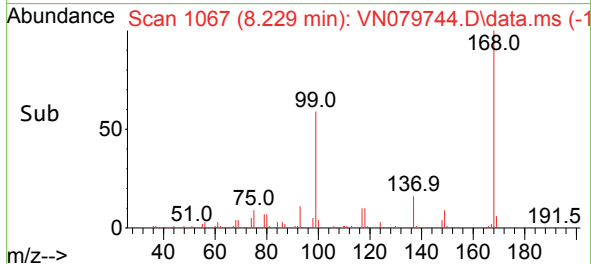
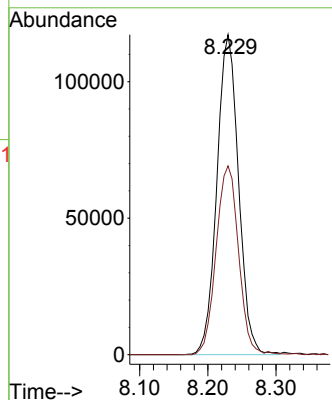
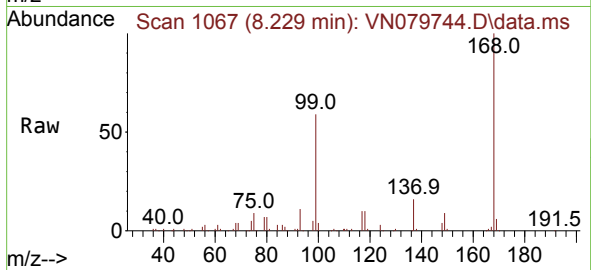
ClientSampleId :

Tgt Ion:168 Resp: 259301

Ion Ratio Lower Upper

168 100

99 59.0 53.0 79.6



#3

Chloromethane

Concen: 0.354 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079744.D

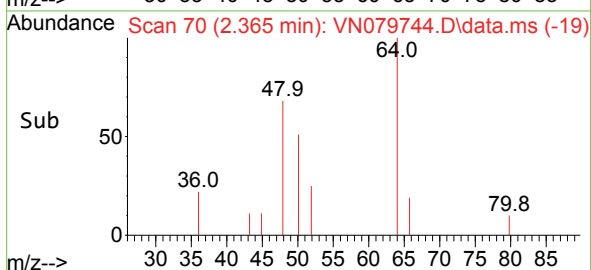
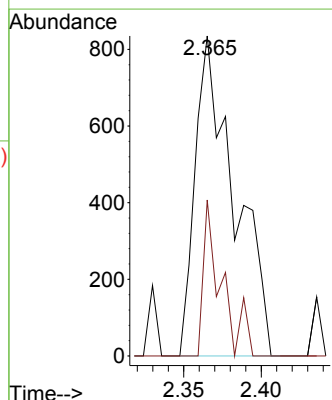
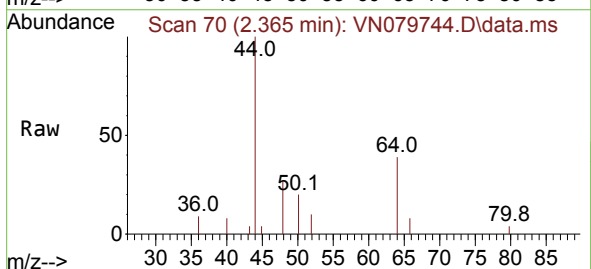
Acq: 31 Oct 2023 15:19

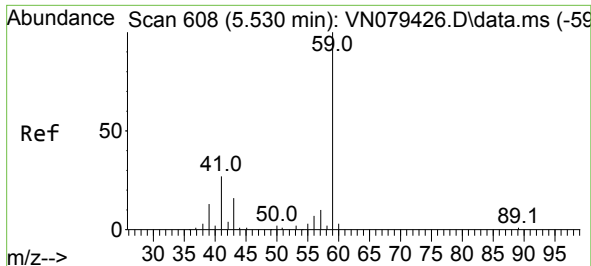
Tgt Ion: 50 Resp: 1469

Ion Ratio Lower Upper

50 100

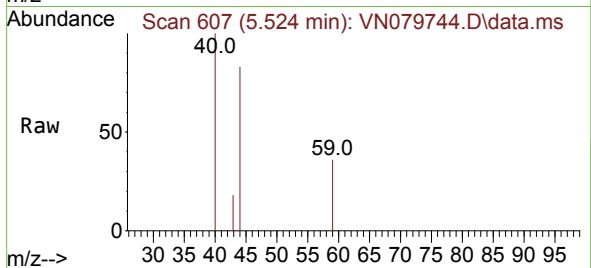
52 48.7 26.5 39.7#



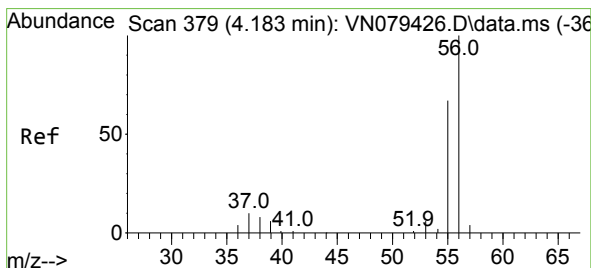
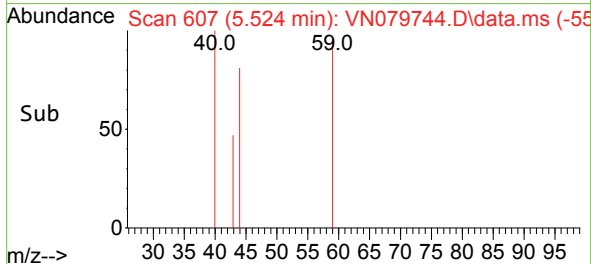
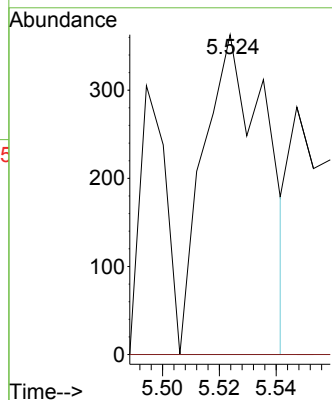


#11
Tert butyl alcohol
Concen: 1.012 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

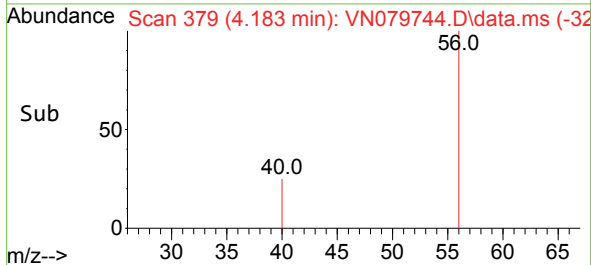
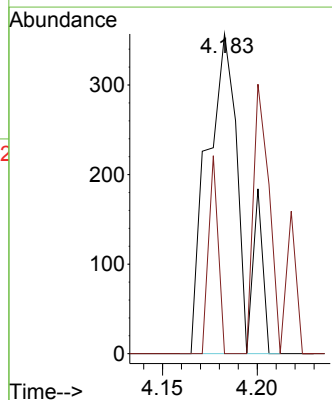
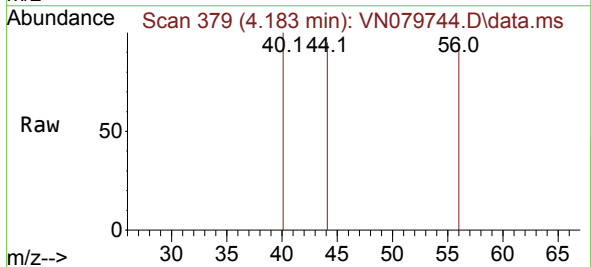


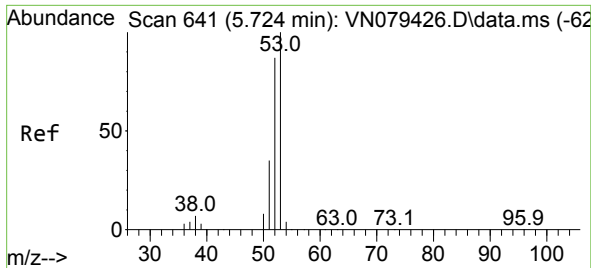
Tgt Ion: 59 Resp: 559
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.799 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

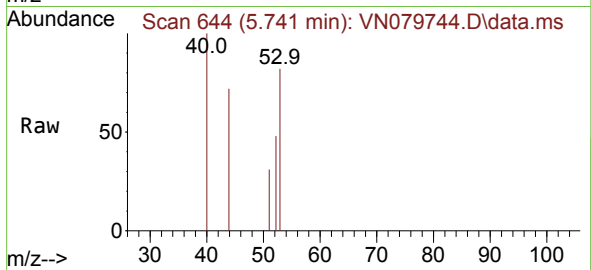
Tgt Ion: 56 Resp: 444
Ion Ratio Lower Upper
56 100
55 17.6 54.5 81.7#



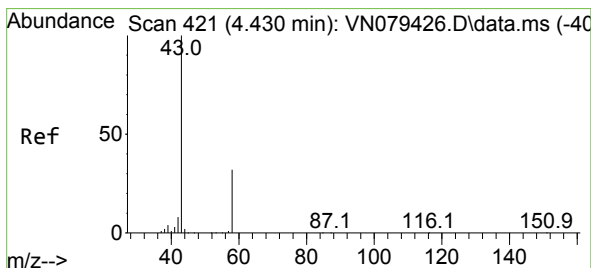
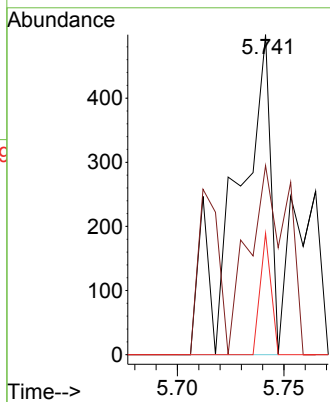
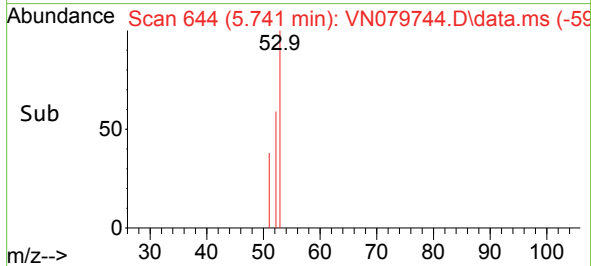


#15
Acrylonitrile
Concen: 0.326 ug/l
RT: 5.741 min Scan# 641
Delta R.T. 0.017 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

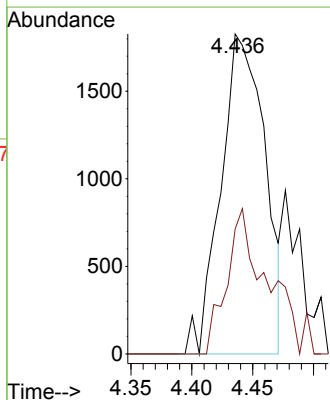
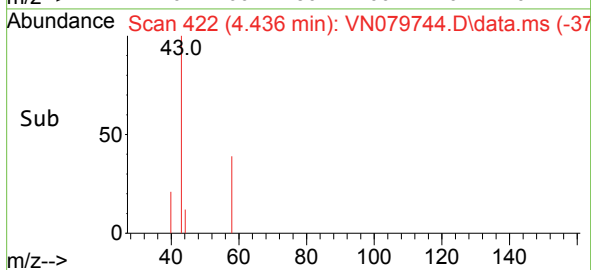
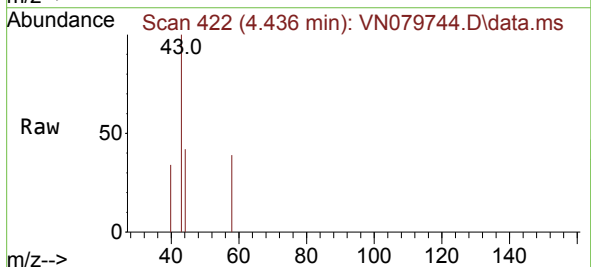


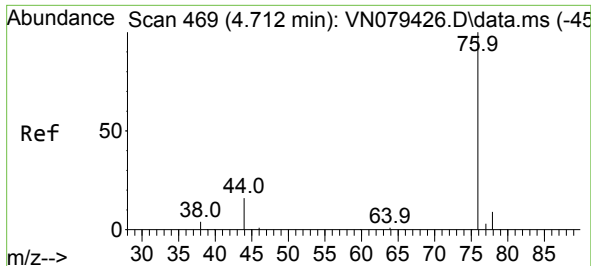
Tgt Ion: 53 Resp: 554
Ion Ratio Lower Upper
53 100
52 67.7 65.3 97.9
51 12.1 28.9 43.3#



#16
Acetone
Concen: 2.580 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

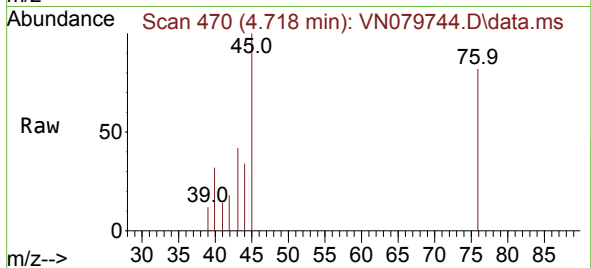
Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
58 39.0 28.0 42.0



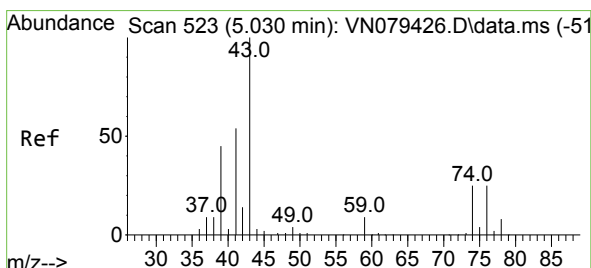
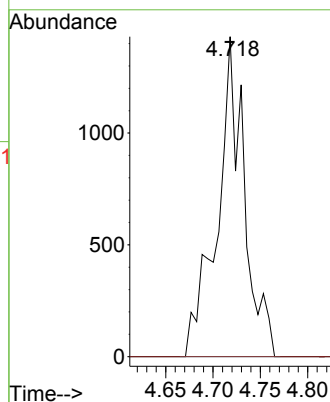
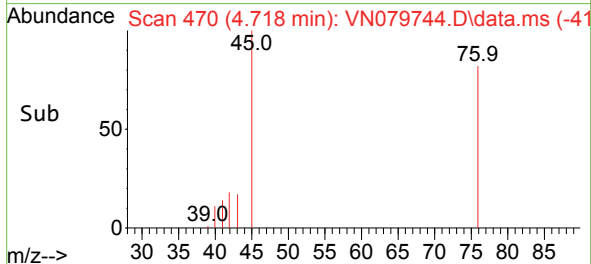


#17
Carbon Disulfide
Concen: 0.328 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

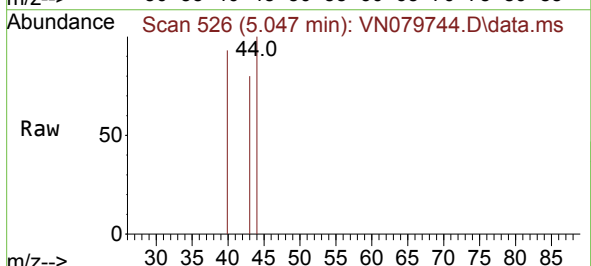
Instrument :
MSVOA_N
ClientSampleId :



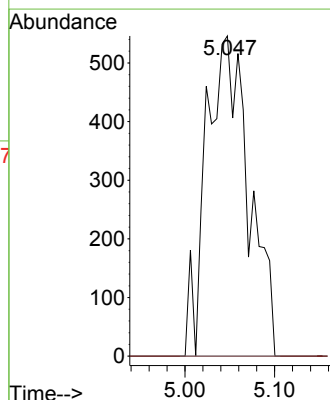
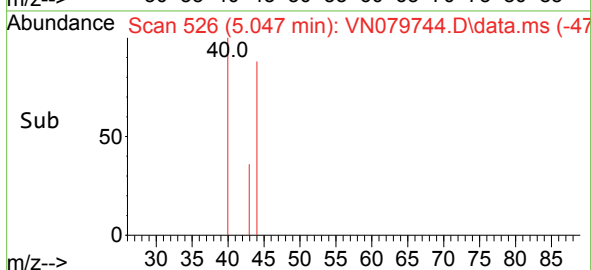
Tgt Ion: 76 Resp: 2852
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

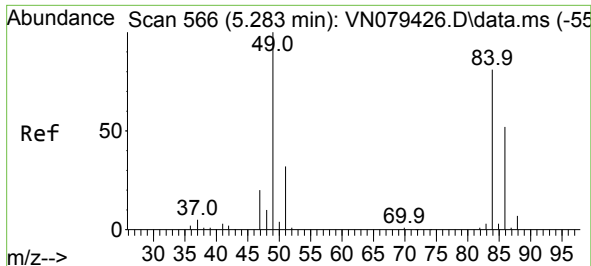


#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.017 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19



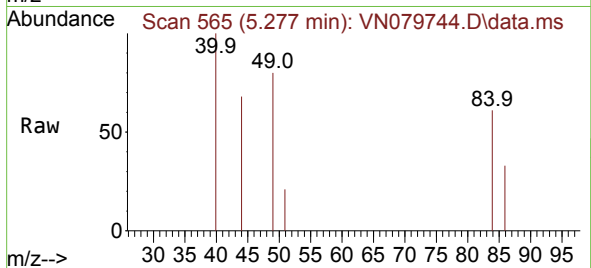
Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



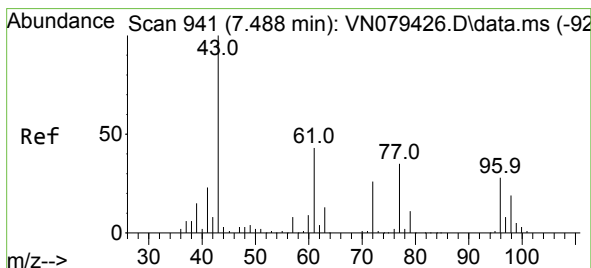
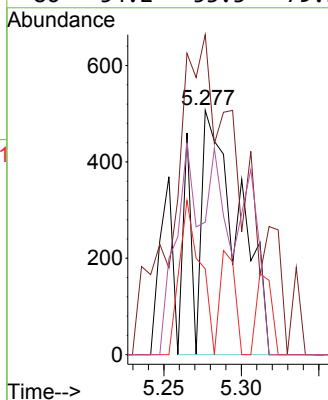
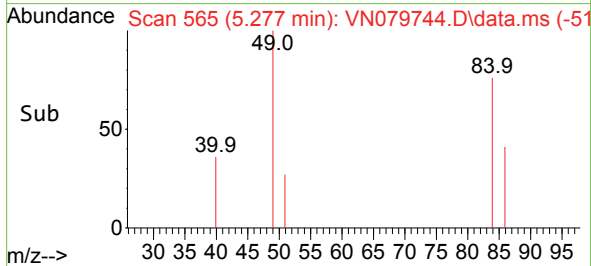


#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

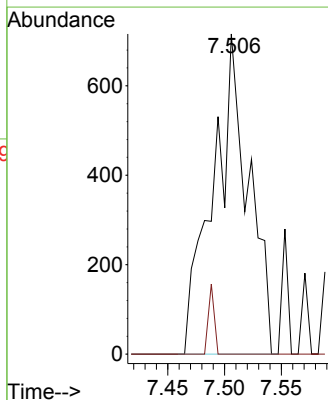
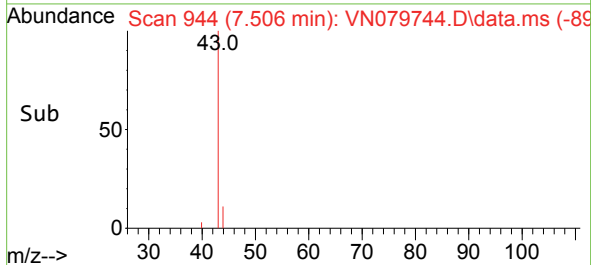
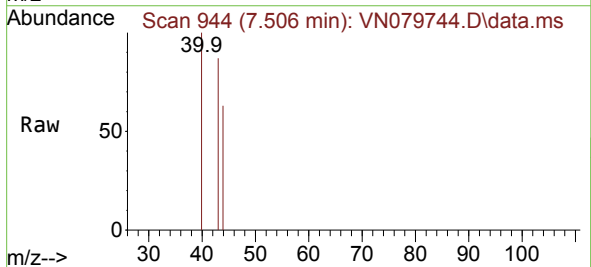


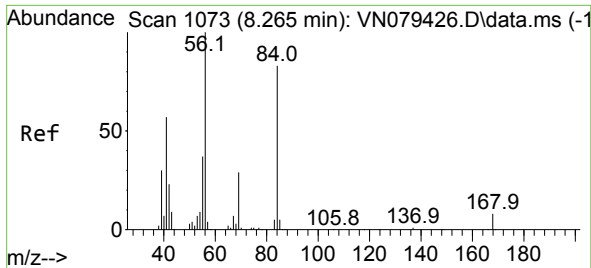
Tgt Ion:	84	Resp:	990
Ion	Ratio	Lower	Upper
84	100		
49	79.9	79.7	119.5
51	35.1	25.2	37.8
86	54.2	53.3	79.9



#25
2-Butanone
Concen: 0.635 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

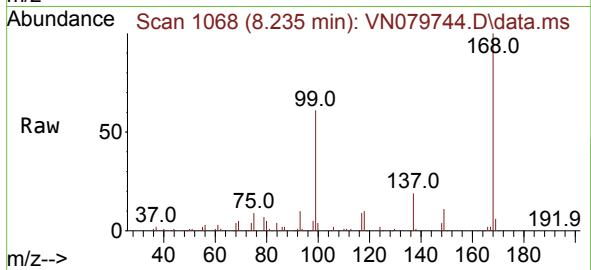
Tgt Ion:	43	Resp:	1553
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2#



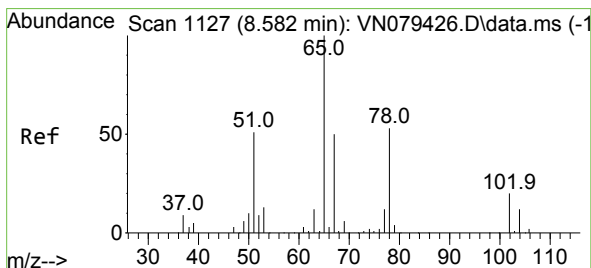
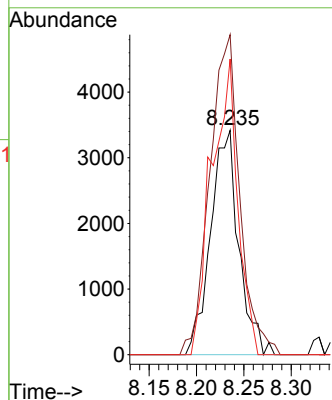
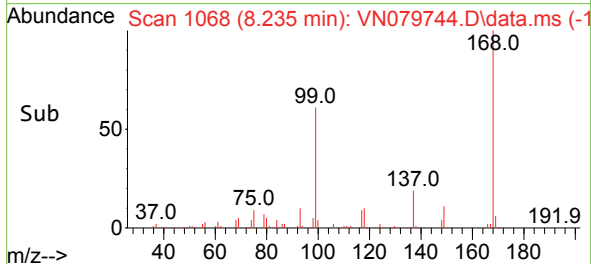


#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

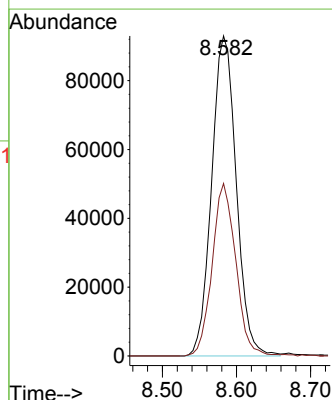
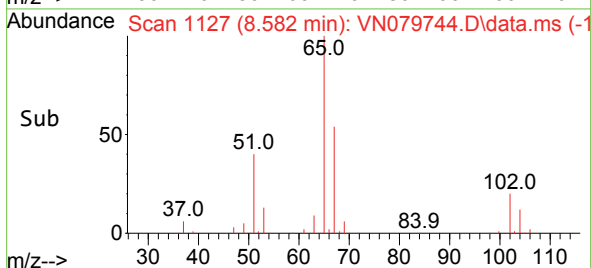
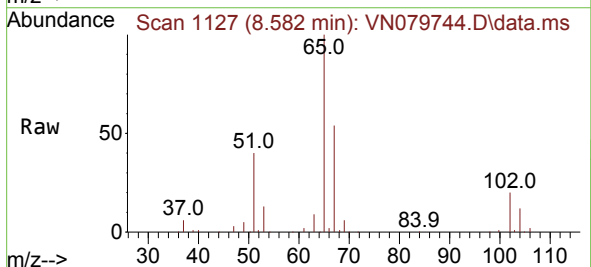


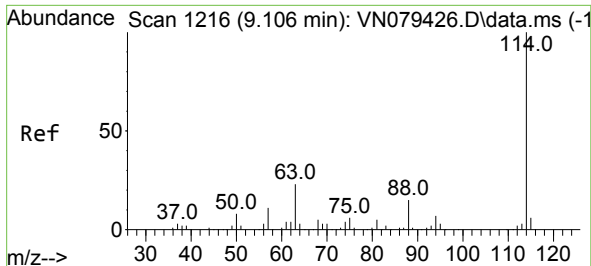
Tgt Ion: 56 Resp: 7063
Ion Ratio Lower Upper
56 100
69 142.6 26.8 40.2#
84 131.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 51.519 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion: 65 Resp: 214528
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

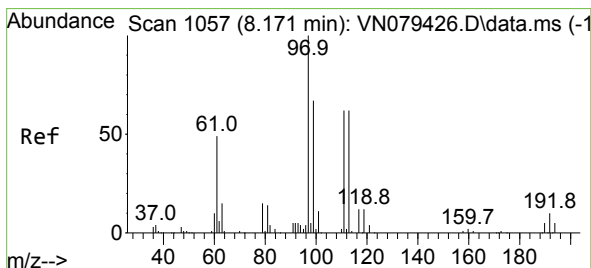
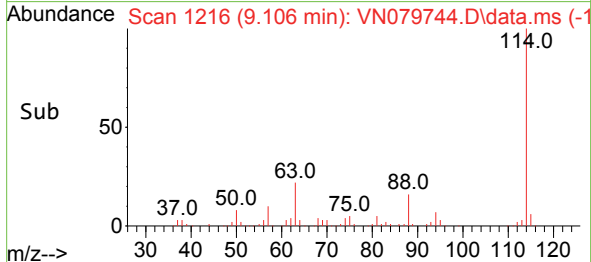
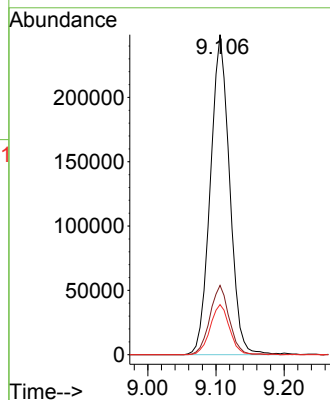
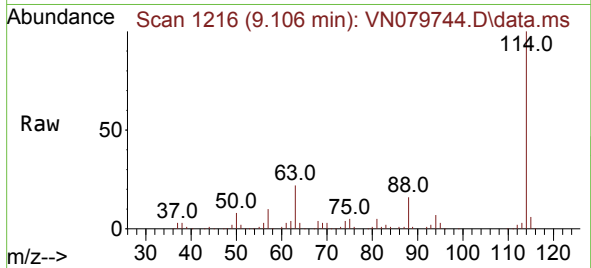




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

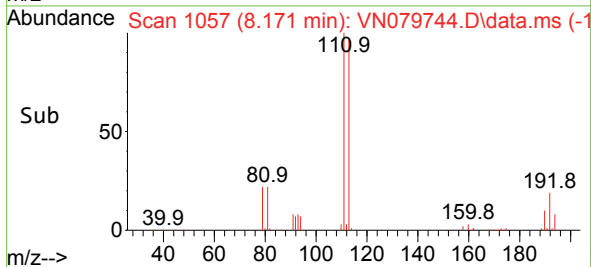
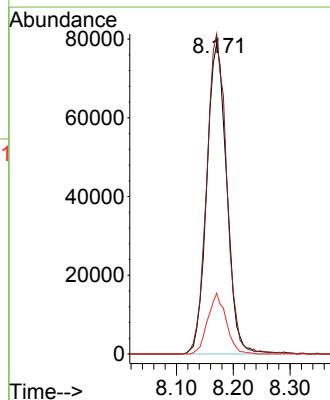
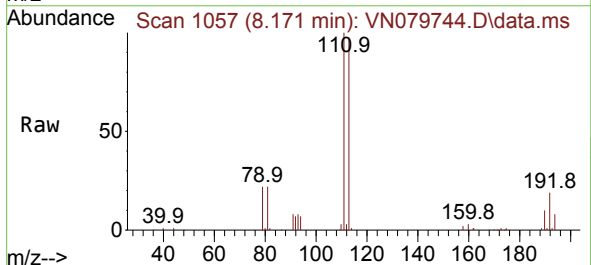
Instrument :
MSVOA_N
ClientSampleId :

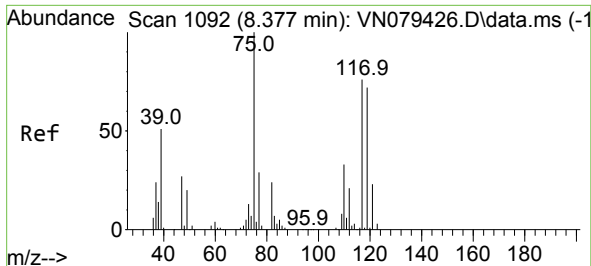
Tgt Ion:114 Resp: 488178
Ion Ratio Lower Upper
114 100
63 21.7 0.0 36.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.196 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion:113 Resp: 192538
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

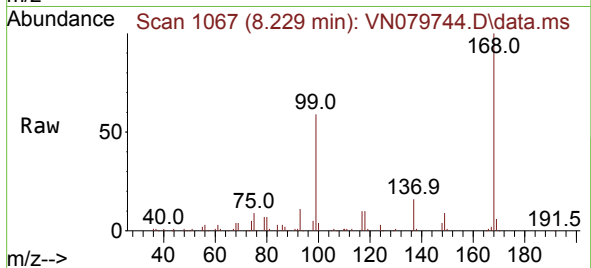
Lab File: VN079744.D

Acq: 31 Oct 2023 15:19

Instrument :

MSVOA_N

ClientSampleId :



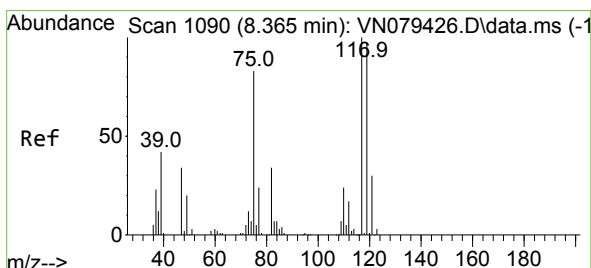
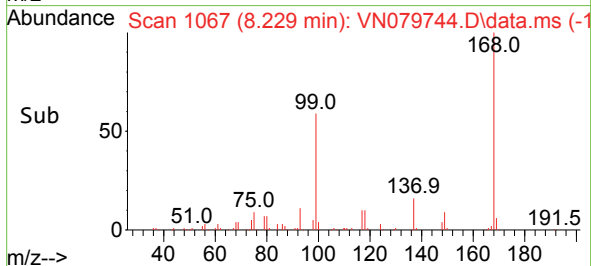
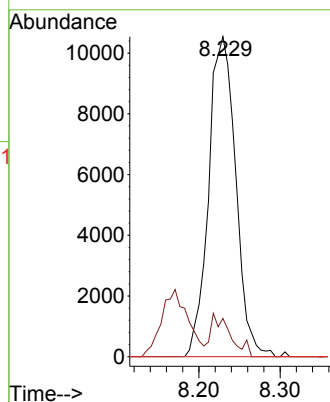
Tgt Ion: 75 Resp: 24499

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.274 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN079744.D

Acq: 31 Oct 2023 15:19

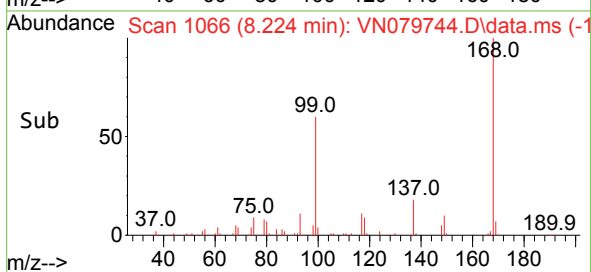
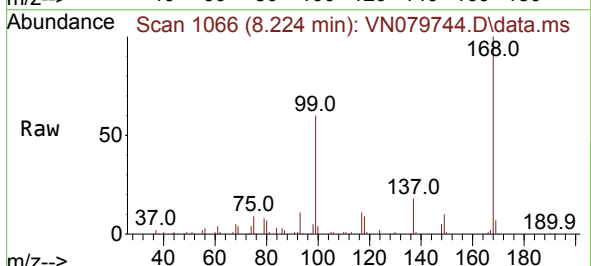
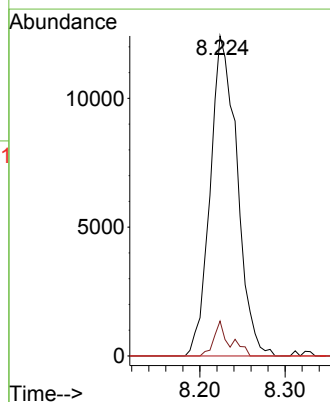
Tgt Ion: 117 Resp: 27217

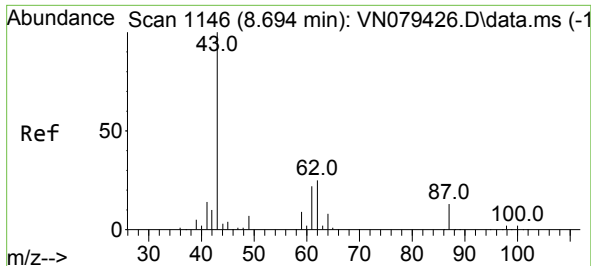
Ion Ratio Lower Upper

117 100

119 10.9 77.3 115.9#

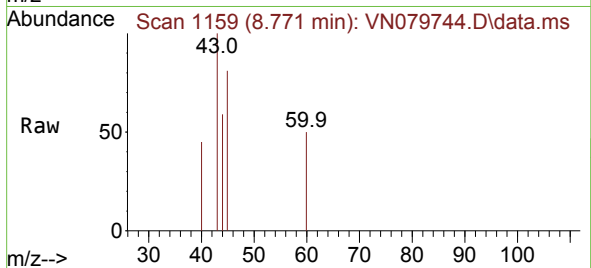
121 0.0 23.3 34.9#



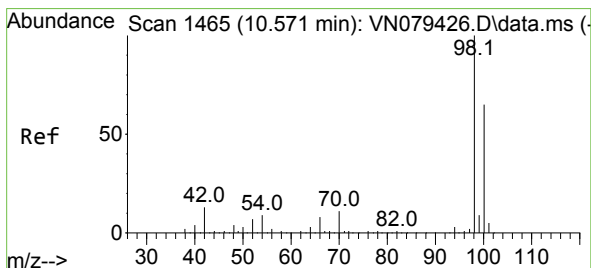
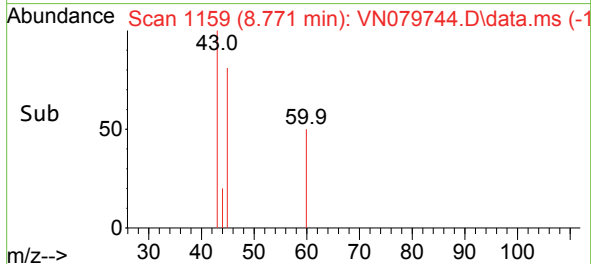
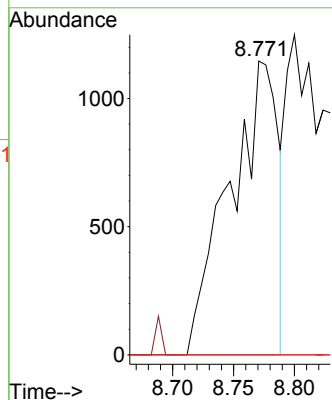


#43
Isopropyl Acetate
Concen: 0.386 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.077 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

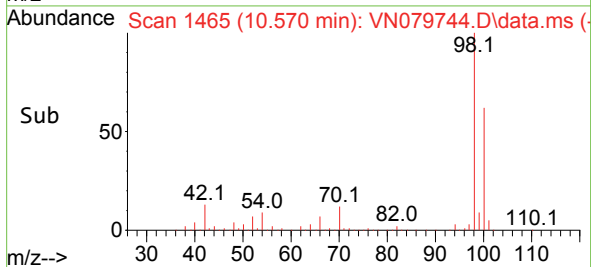
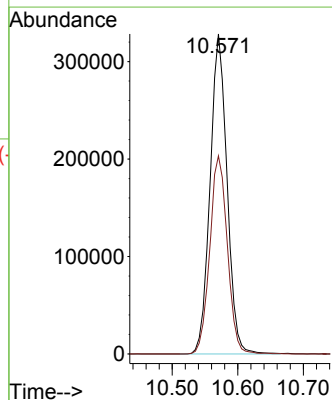
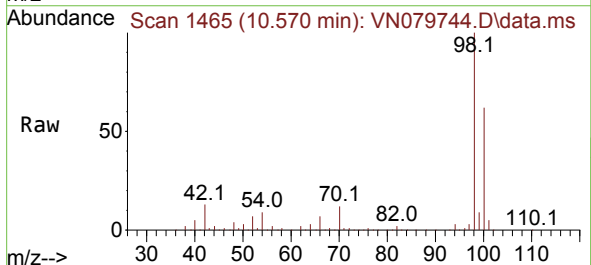


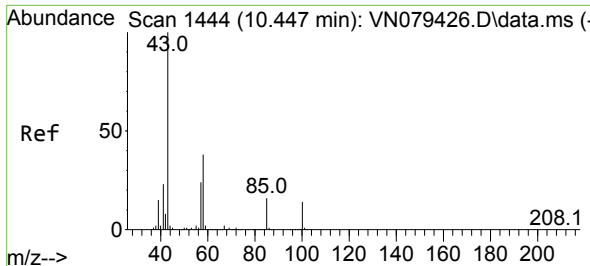
Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.321 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion: 98 Resp: 589351
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

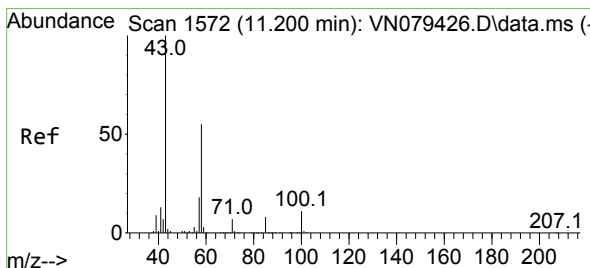
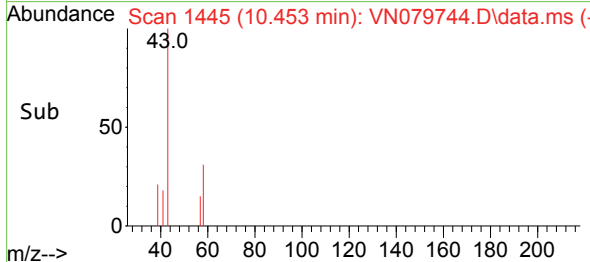
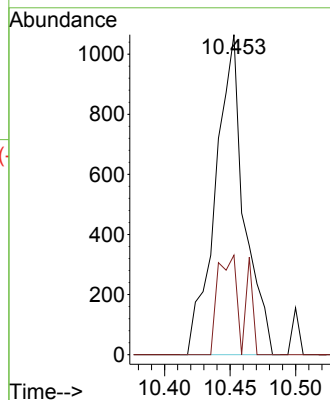
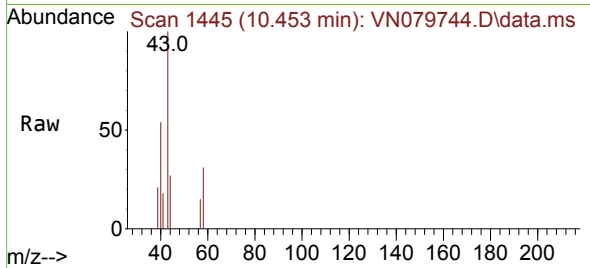




#51
4-Methyl-2-Pentanone
Concen: 0.318 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

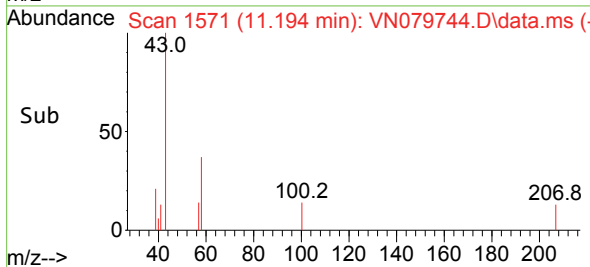
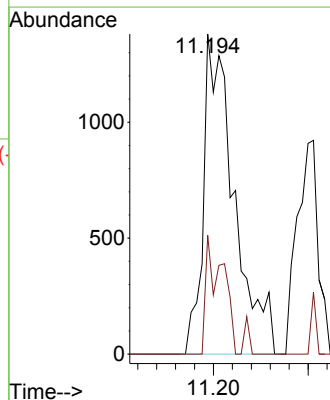
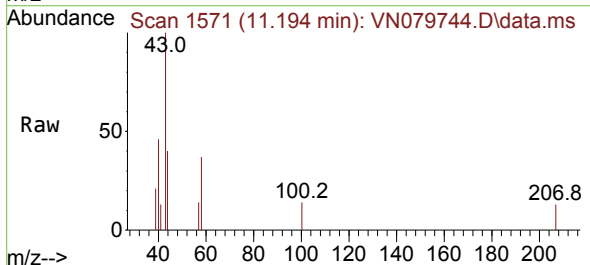
Instrument :
MSVOA_N
ClientSampleId :

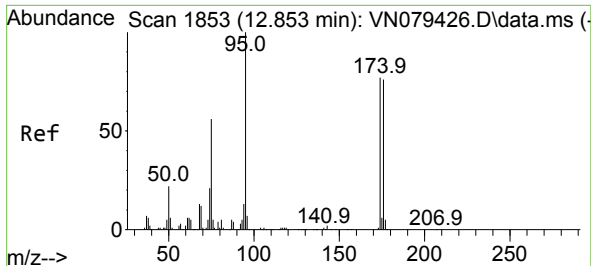
Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
58 27.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.821 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion: 43 Resp: 3080
Ion Ratio Lower Upper
43 100
58 20.5 31.7 95.1#

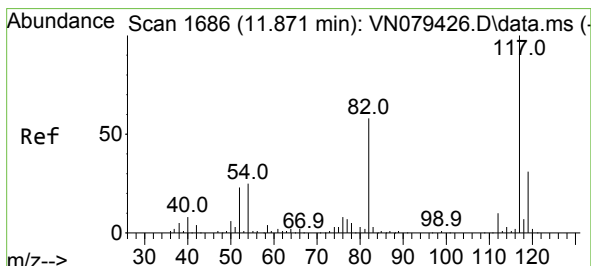
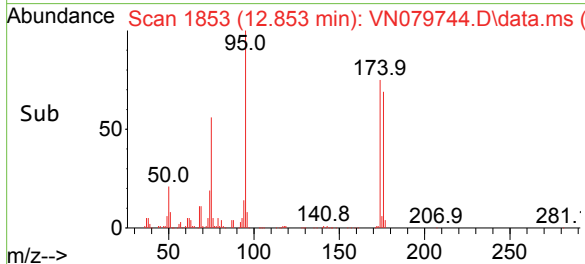
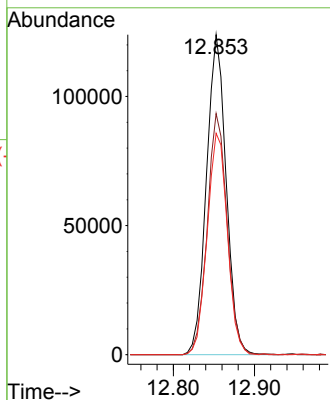
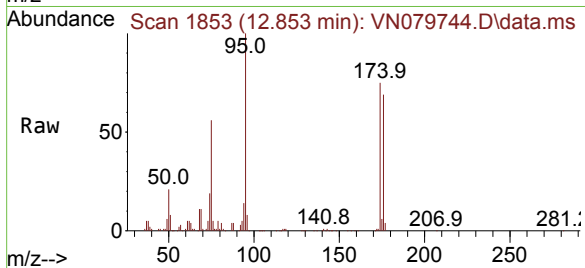




#62
4-Bromofluorobenzene
Concen: 50.899 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

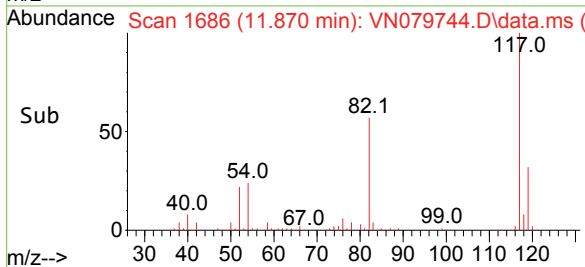
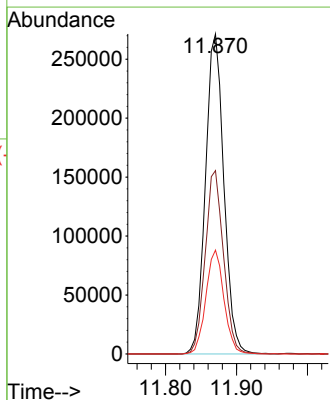
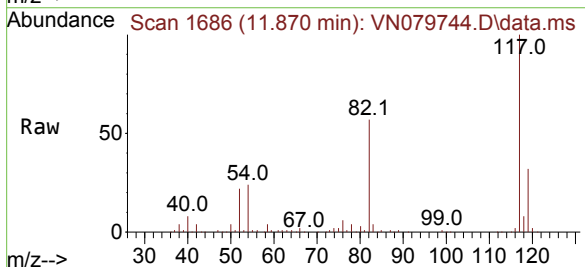
Instrument :
MSVOA_N
ClientSampleId :

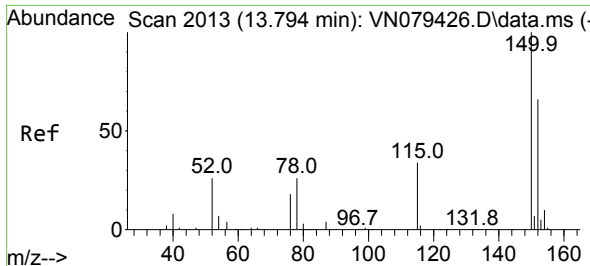
Tgt Ion: 95 Resp: 208435
Ion Ratio Lower Upper
95 100
174 76.1 0.0 143.8
176 71.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

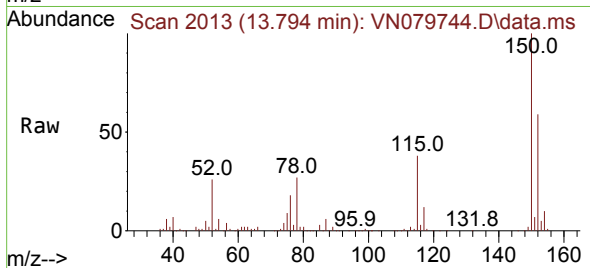
Tgt Ion: 117 Resp: 488939
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 32.5 25.6 38.4



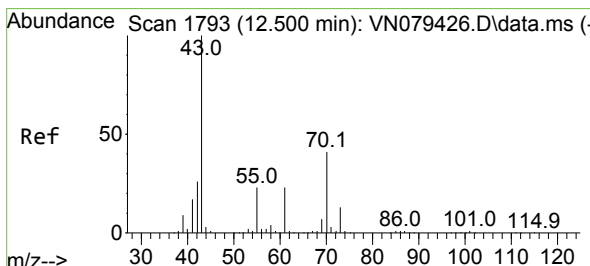
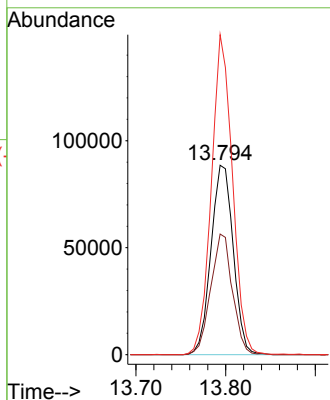
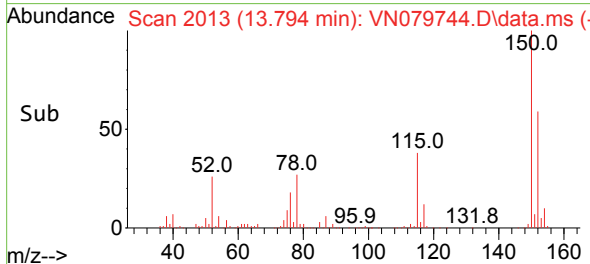


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079744.D
 Acq: 31 Oct 2023 15:19

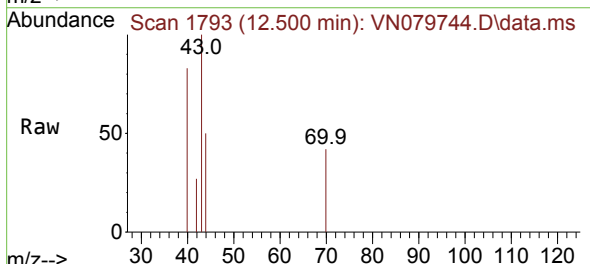
Instrument :
 MSVOA_N
 ClientSampleId :



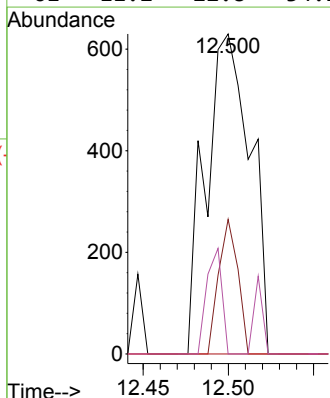
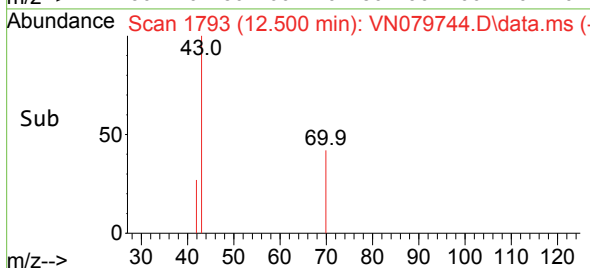
Tgt Ion:152 Resp: 152702
 Ion Ratio Lower Upper
 152 100
 115 62.1 32.3 96.8
 150 160.0 0.0 355.8

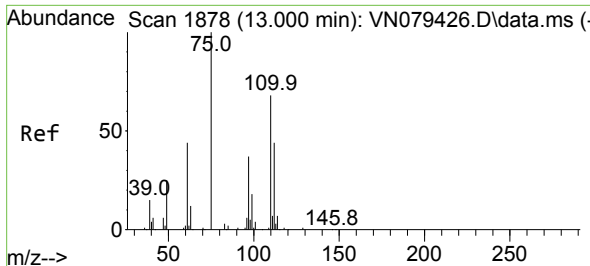


#74
 N-ethyl acetate
 Concen: 0.209 ug/l
 RT: 12.500 min Scan# 1793
 Delta R.T. -0.000 min
 Lab File: VN079744.D
 Acq: 31 Oct 2023 15:19



Tgt Ion: 43 Resp: 1148
 Ion Ratio Lower Upper
 43 100
 70 18.0 43.4 65.2#
 55 0.0 21.4 32.0#
 61 11.2 22.8 34.2#

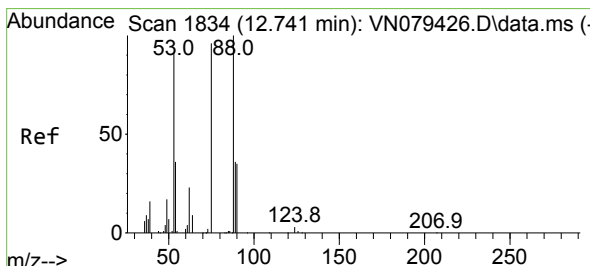
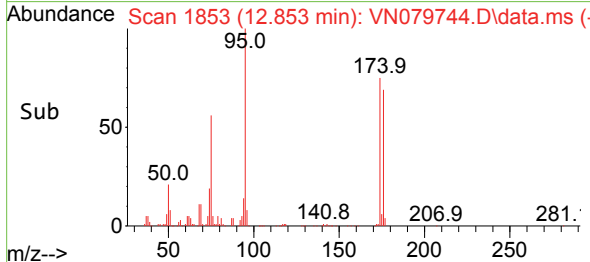
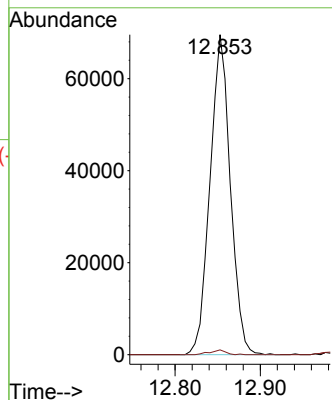
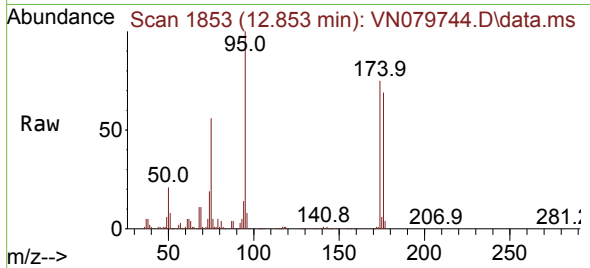




#76
1,2,3-Trichloropropane
Concen: 27.811 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

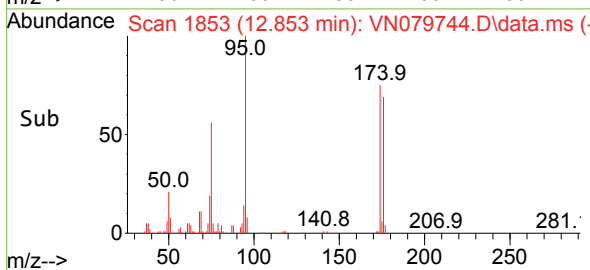
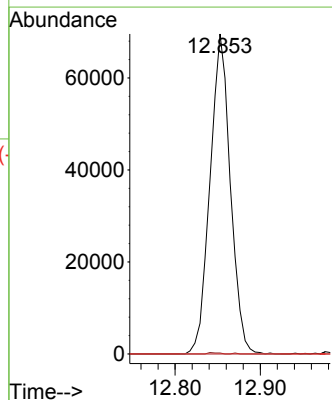
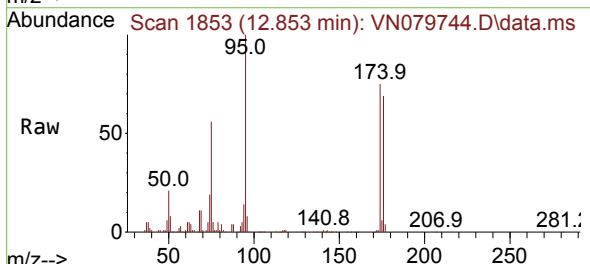
Instrument :
MSVOA_N
ClientSampleId :

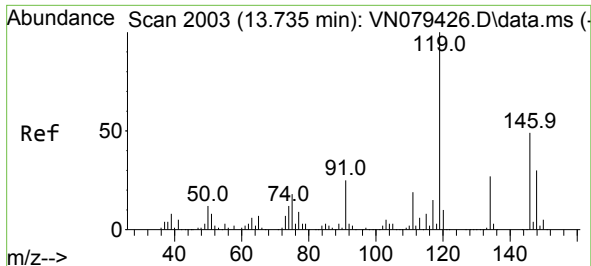
Tgt Ion: 75 Resp: 115317
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.891 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

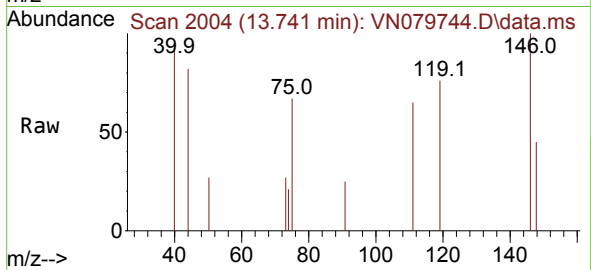
Tgt Ion: 75 Resp: 115317
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



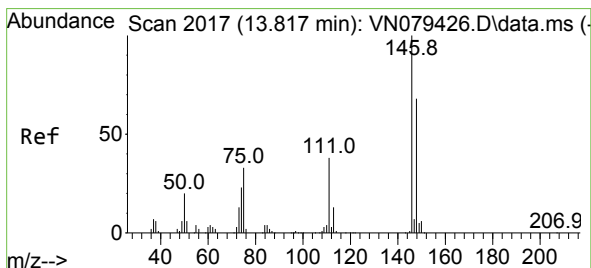
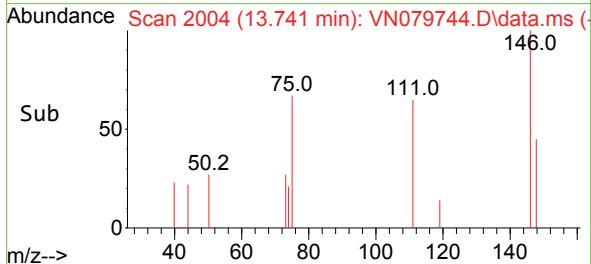
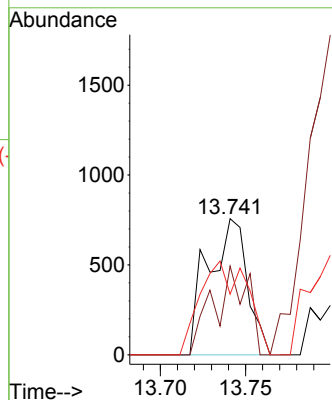


#87
1,3-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Instrument :
MSVOA_N
ClientSampleId :

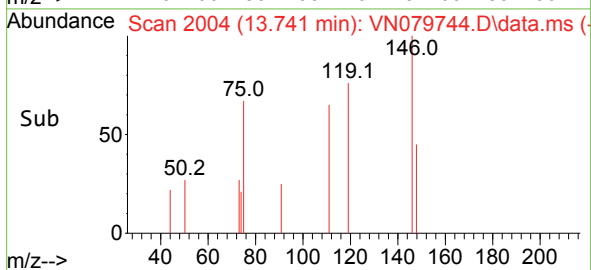
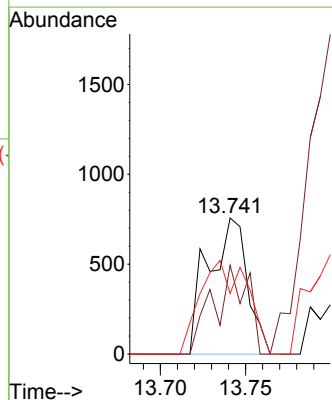
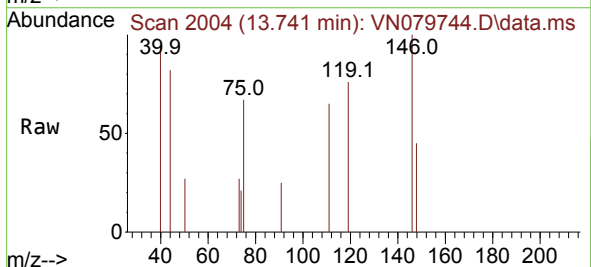


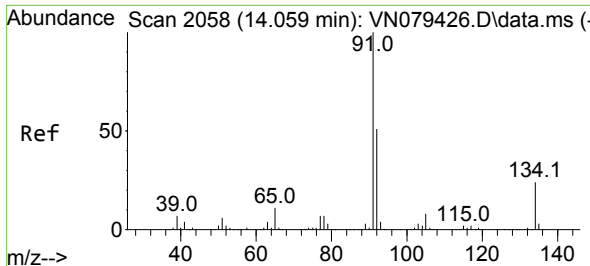
Tgt Ion:146 Resp: 1206
Ion Ratio Lower Upper
146 100
111 57.4 22.1 66.3
148 82.7 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.076 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion:146 Resp: 1206
Ion Ratio Lower Upper
146 100
111 57.4 20.6 61.8
148 82.7 31.6 94.8

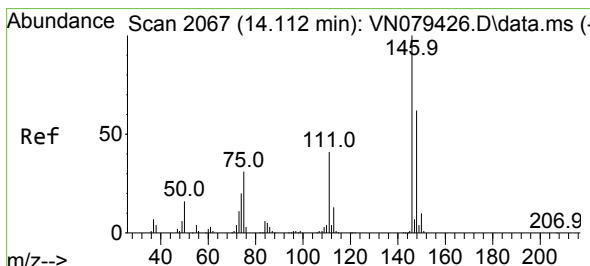
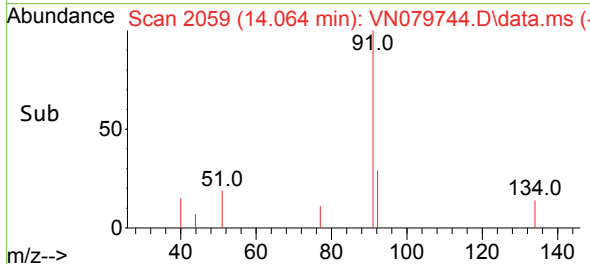
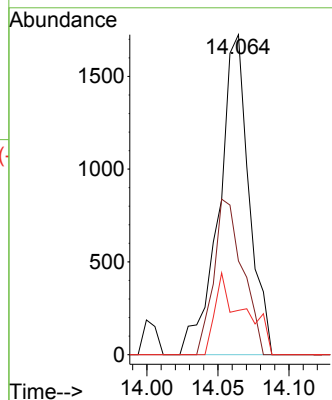
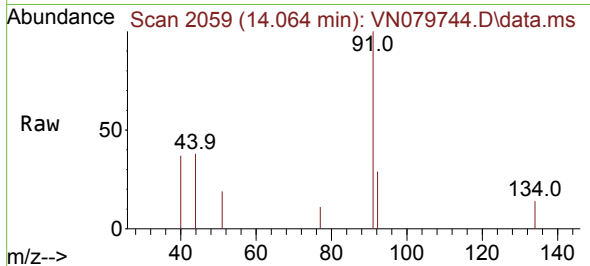




#89
n-Butylbenzene
Concen: 0.311 ug/l
RT: 14.064 min Scan# 2059
Delta R.T. 0.005 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

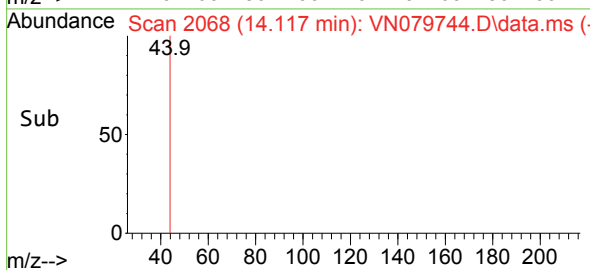
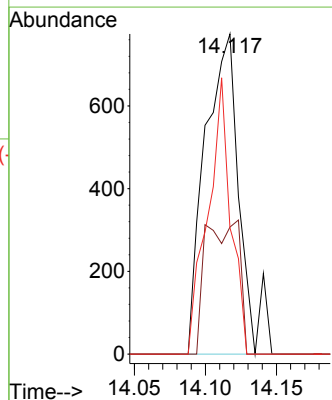
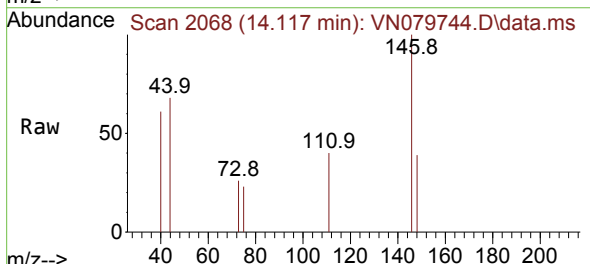
Instrument :
MSVOA_N
ClientSampleId :

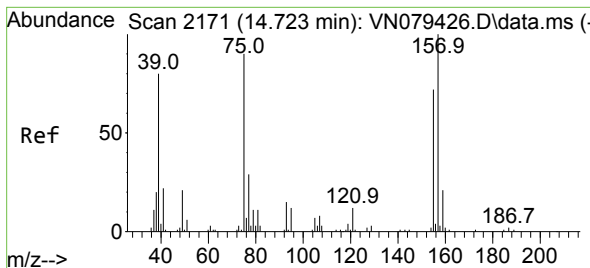
Tgt Ion: 91 Resp: 2533
Ion Ratio Lower Upper
91 100
92 46.7 26.4 79.0
134 24.3 12.6 37.6



#91
1,2-Dichlorobenzene
Concen: 0.244 ug/l
RT: 14.117 min Scan# 2068
Delta R.T. 0.005 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion: 146 Resp: 1307
Ion Ratio Lower Upper
146 100
111 40.8 22.0 66.0
148 57.4 31.8 95.3

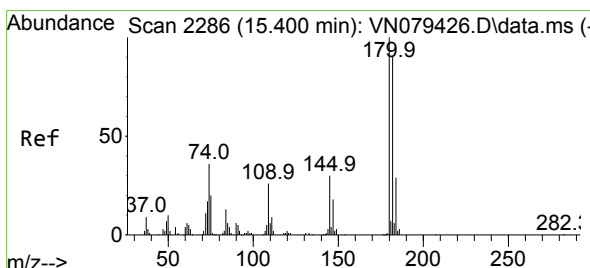
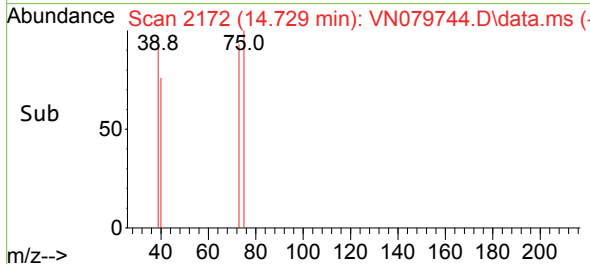
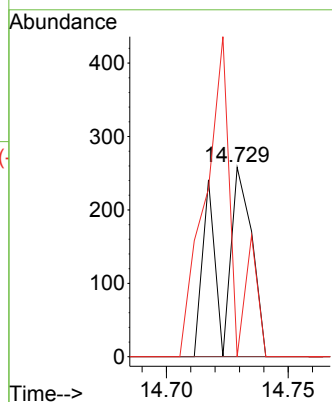
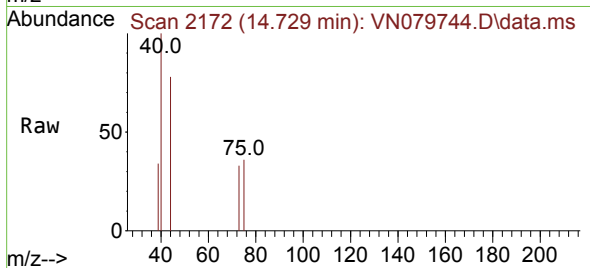




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.314 ug/l
RT: 14.729 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

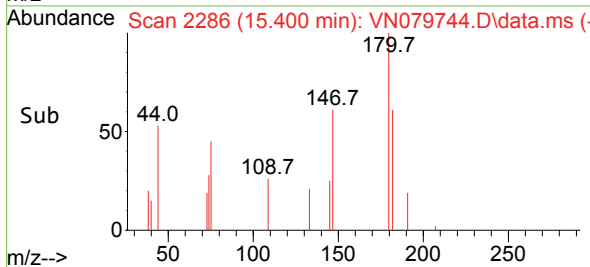
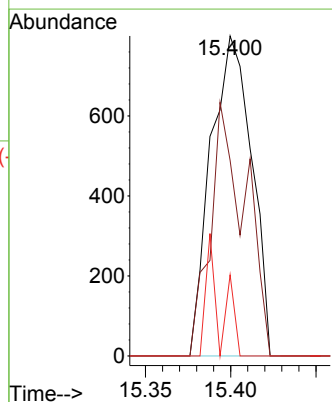
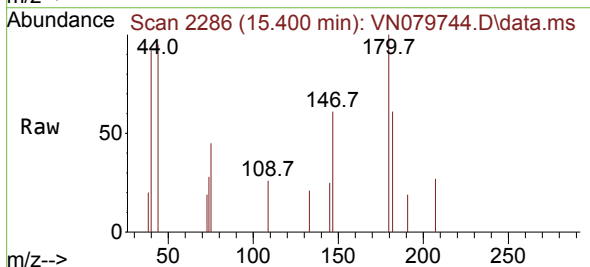
Instrument :
MSVOA_N
ClientSampleId :

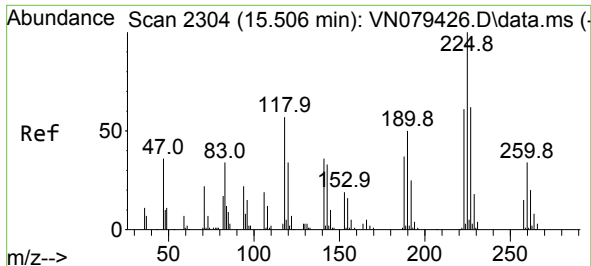
Tgt Ion: 75 Resp: 237
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 147.3 50.3 150.9



#93
1,2,4-Trichlorobenzene
Concen: 0.836 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

Tgt Ion: 180 Resp: 1333
Ion Ratio Lower Upper
180 100
182 68.2 46.1 138.2
145 13.5 16.6 49.8#

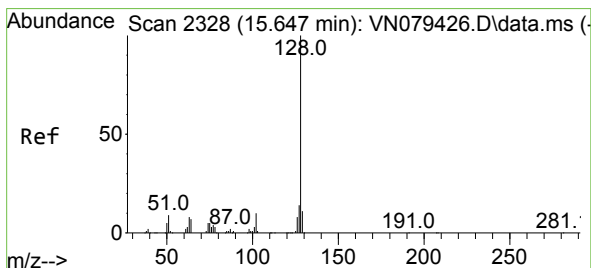
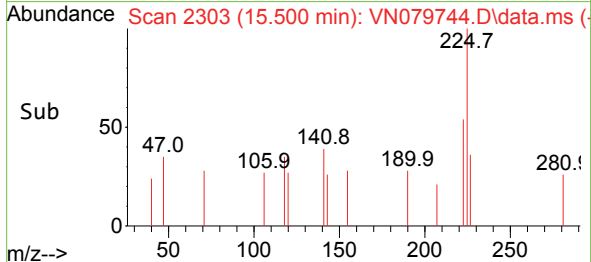
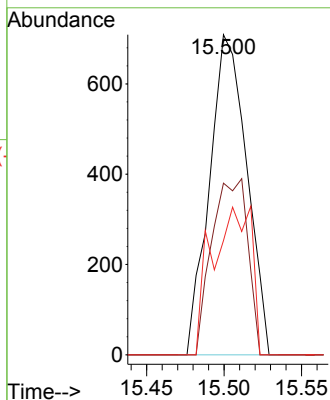
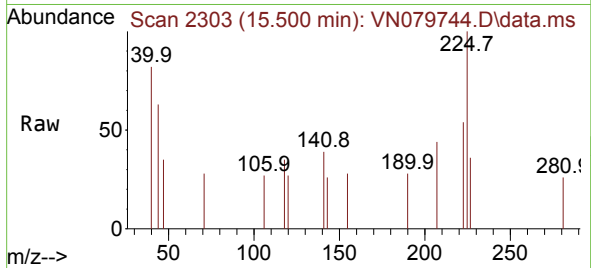




#94
Hexachlorobutadiene
Concen: 0.837 ug/l
RT: 15.500 min Scan# 21185
Delta R.T. -0.006 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

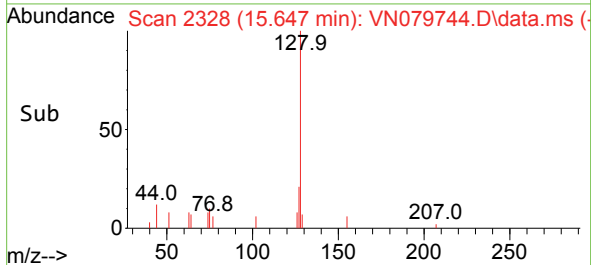
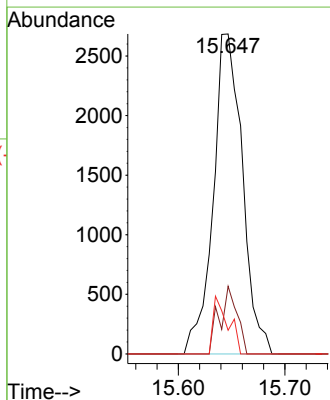
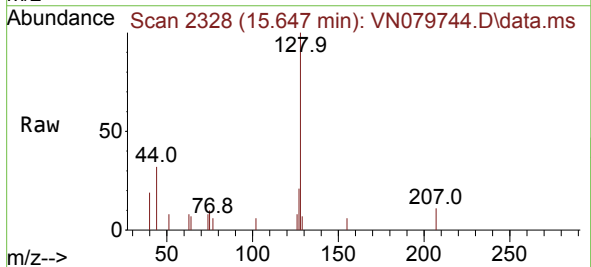
Instrument :
MSVOA_N
ClientSampleId :

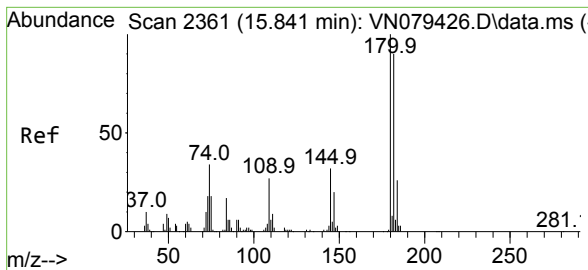
Tgt Ion:	225	Resp:	1185
Ion	Ratio	Lower	Upper
225	100		
223	52.9	31.3	93.8
227	49.0	31.9	95.9



#95
Naphthalene
Concen: 1.101 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079744.D
Acq: 31 Oct 2023 15:19

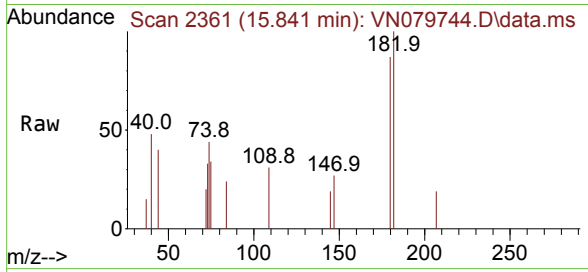
Tgt Ion:	128	Resp:	5101
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	9.3	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN079744.D
 Acq: 31 Oct 2023 15:19

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 933
 Ion Ratio Lower Upper
 180 100
 182 198.5 46.2 138.6#
 145 22.4 17.5 52.6

