

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110723\
 Data File : VN079960.D
 Acq On : 07 Nov 2023 13:07
 Operator : JC\MD
 Sample : VN1107MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

Quant Time: Nov 08 04:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

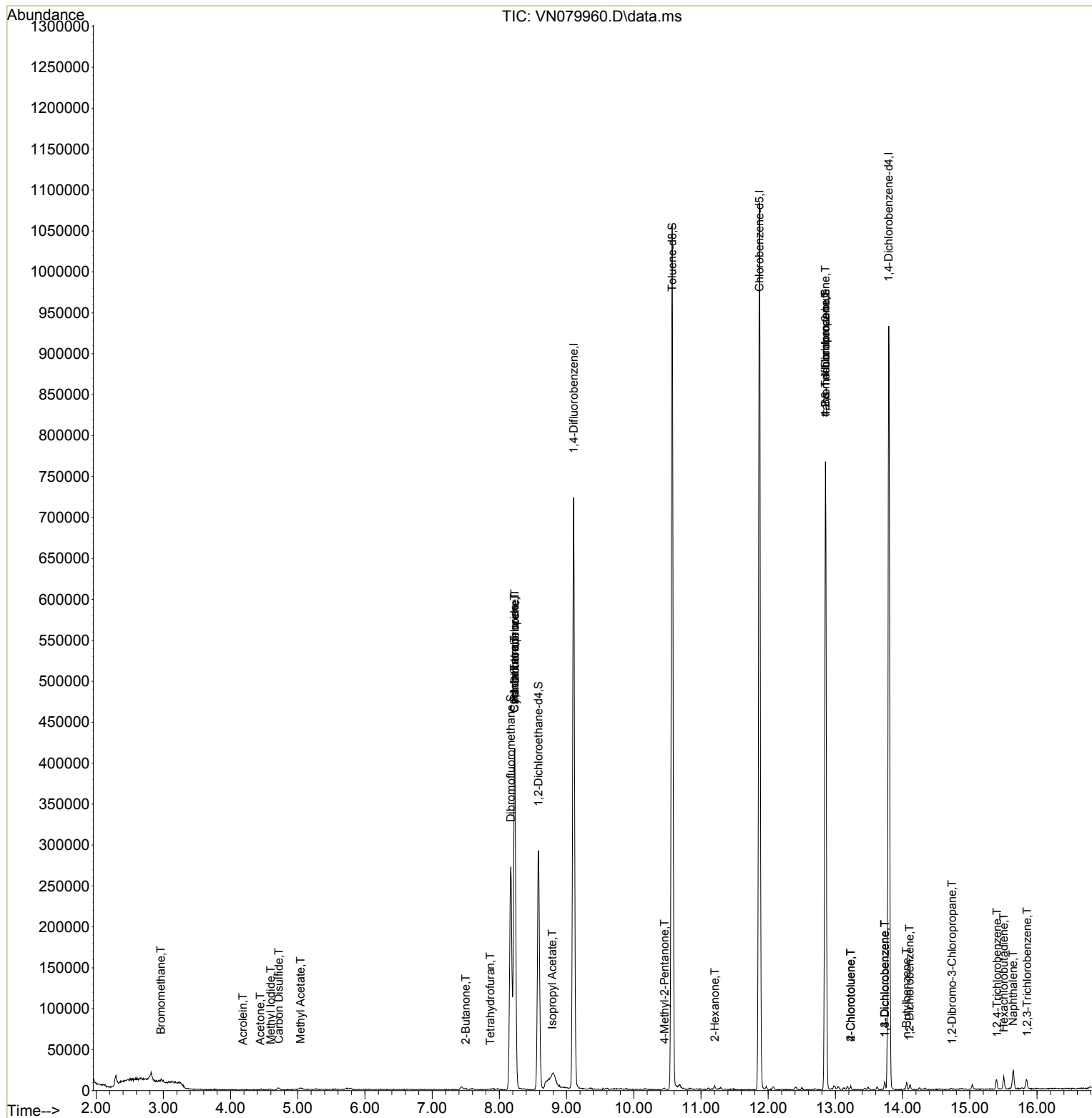
Internal Standards						
1) Pentafluorobenzene	8.230	168	292528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	592808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	598137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	241217	54.124	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.240%			
35) Dibromofluoromethane	8.171	113	198119	47.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.440%			
50) Toluene-d8	10.571	98	711878	46.089	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.180%			
62) 4-Bromofluorobenzene	12.853	95	259946	50.745	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1457	Below Cal	#	81
5) Bromomethane	2.965	94	1877	0.670	ug/l	94
10) Methyl Iodide	4.600	142	1080	0.284	ug/l #	69
13) Acrolein	4.183	56	619	3.715	ug/l #	61
16) Acetone	4.442	43	1602	1.023	ug/l #	40
17) Carbon Disulfide	4.718	76	5333	0.587	ug/l #	75
18) Methyl Acetate	5.042	43	5111	0.682	ug/l #	75
25) 2-Butanone	7.500	43	1289	0.562	ug/l #	37
29) Tetrahydrofuran	7.865	42	473	0.317	ug/l #	20
31) Cyclohexane	8.224	56	7453	1.266	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	28455	4.750	ug/l #	47
38) Carbon Tetrachloride	8.224	117	32623	5.403	ug/l #	15
43) Isopropyl Acetate	8.788	43	52566	5.456	ug/l #	50
51) 4-Methyl-2-Pentanone	10.459	43	2078	0.383	ug/l #	75
59) 2-Hexanone	11.206	43	3281	0.791	ug/l	77
76) 1,2,3-Trichloropropane	12.853	75	141652	25.265	ug/l #	1
79) 2-Chlorotoluene	13.229	91	3193	0.241	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.853	75	141652	68.741	ug/l #	15
82) 4-Chlorotoluene	13.229	91	3193	0.242	ug/l	89
87) 1,3-Dichlorobenzene	13.735	146	2581	0.313	ug/l	98
88) 1,4-Dichlorobenzene	13.735	146	2581	0.308	ug/l	99
89) n-Butylbenzene	14.059	91	4367	0.389	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	2244	0.288	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.735	75	420	0.385	ug/l	84
93) 1,2,4-Trichlorobenzene	15.406	180	4040	1.090	ug/l	96
94) Hexachlorobutadiene	15.506	225	2543	1.514	ug/l	95
95) Naphthalene	15.647	128	21153	1.683	ug/l	97
96) 1,2,3-Trichlorobenzene	15.853	180	3932	1.083	ug/l	94

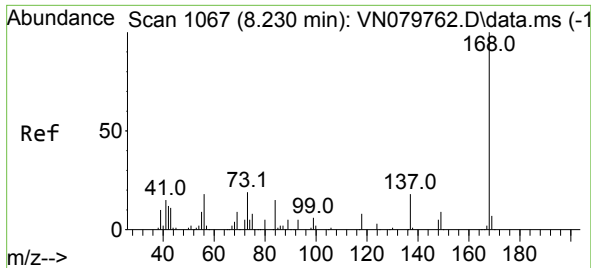
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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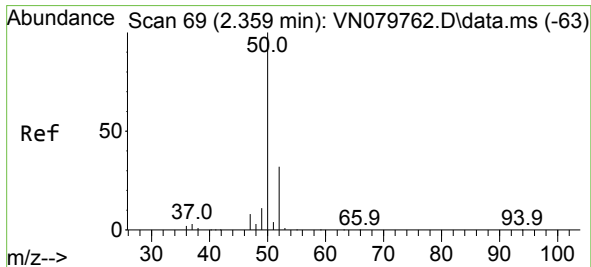
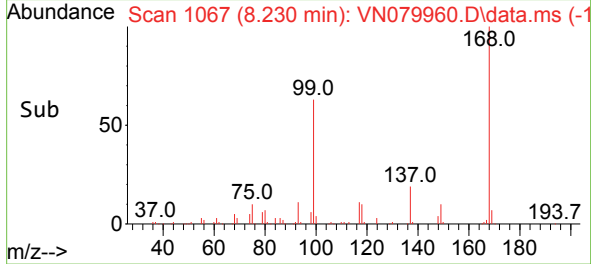
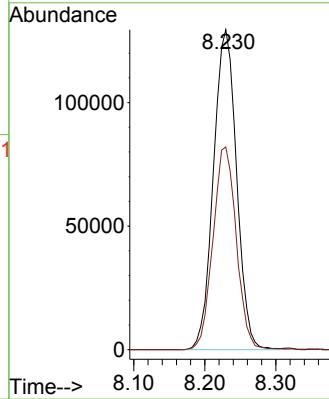
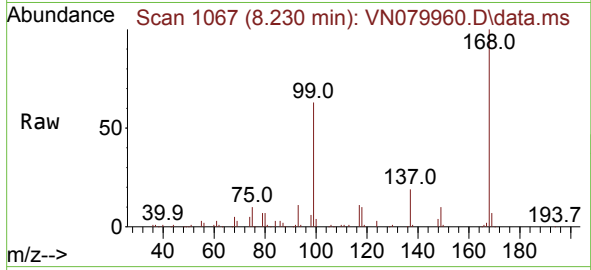




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

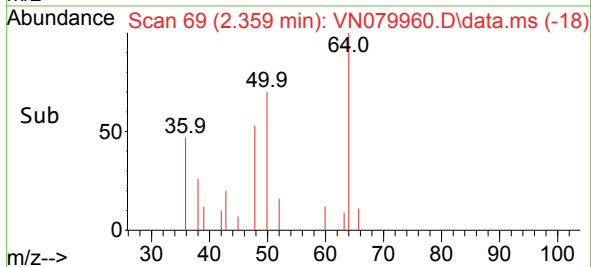
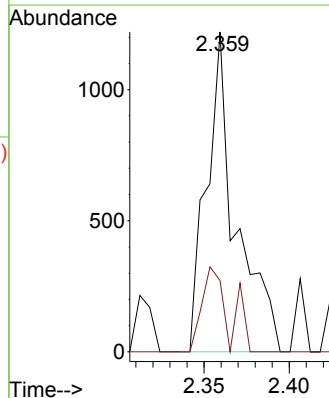
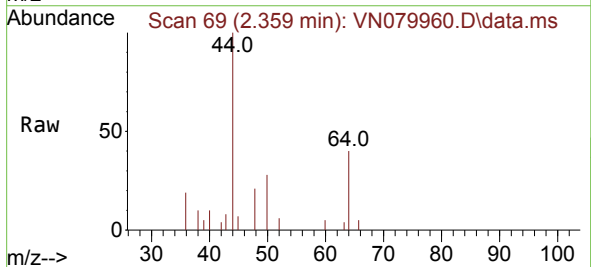
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

Tgt Ion:168 Resp: 292528
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 50 Resp: 1457
Ion Ratio Lower Upper
50 100
52 22.3 26.5 39.7#

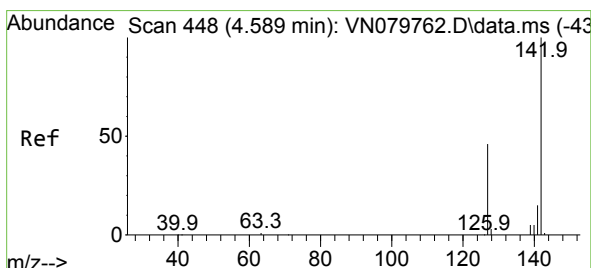
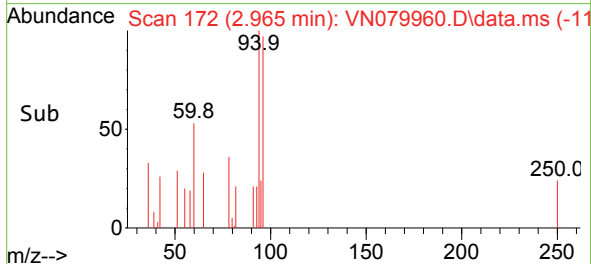
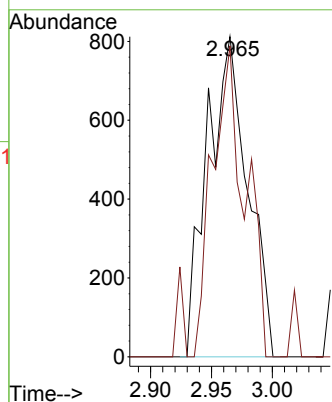
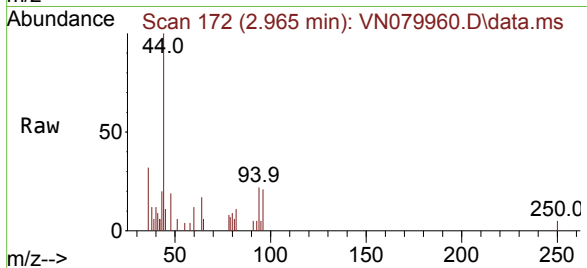




#5
Bromomethane
Concen: 0.670 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

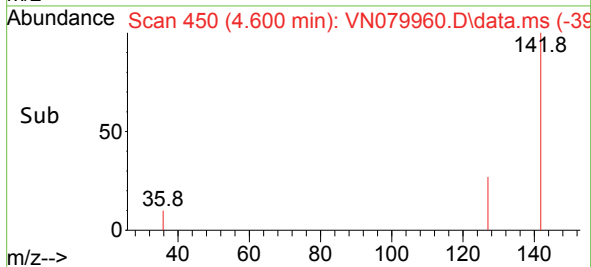
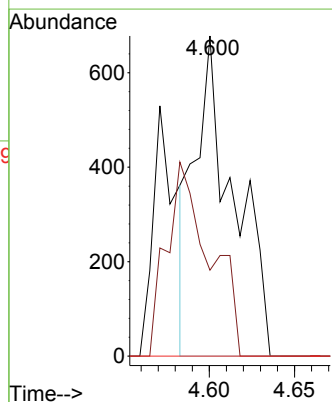
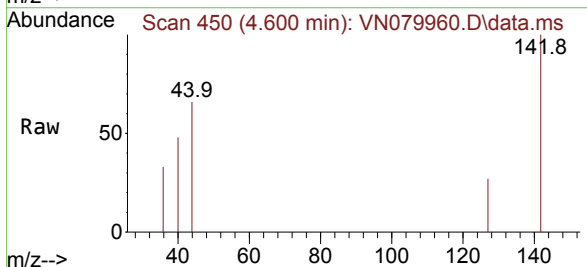
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

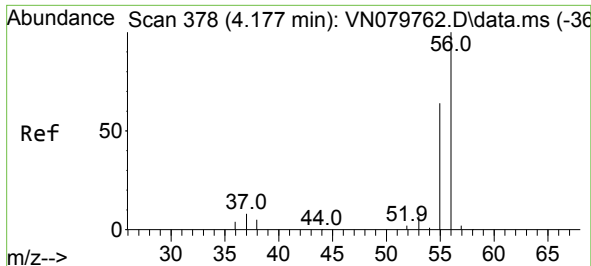
Tgt Ion: 94 Resp: 1877
Ion Ratio Lower Upper
94 100
96 97.2 73.1 109.7



#10
Methyl Iodide
Concen: 0.284 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion:142 Resp: 1080
Ion Ratio Lower Upper
142 100
127 26.8 37.6 56.4#
141 0.0 11.4 17.0#





#13

Acrolein

Concen: 3.715 ug/l

RT: 4.183 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

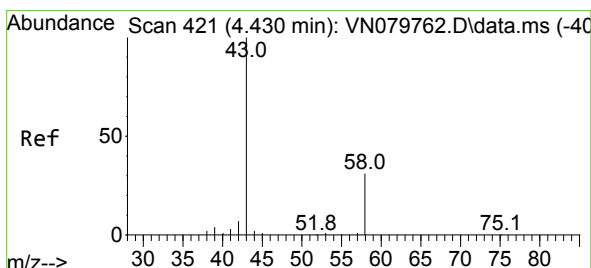
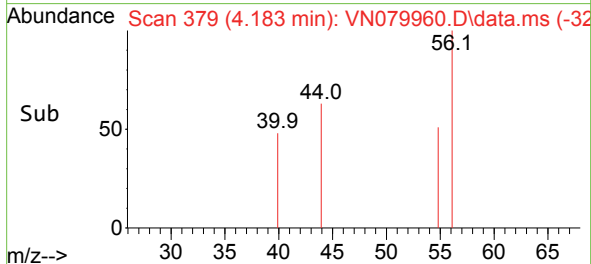
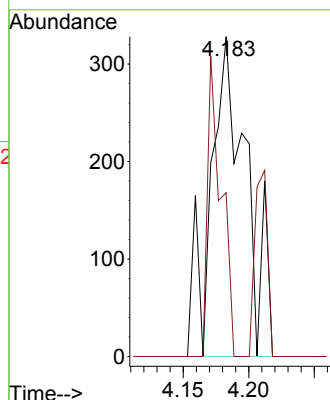
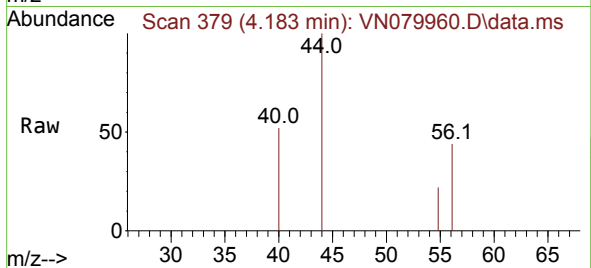
VN1107MBL01

Tgt Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 36.2 54.5 81.7#



#16

Acetone

Concen: 1.023 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN079960.D

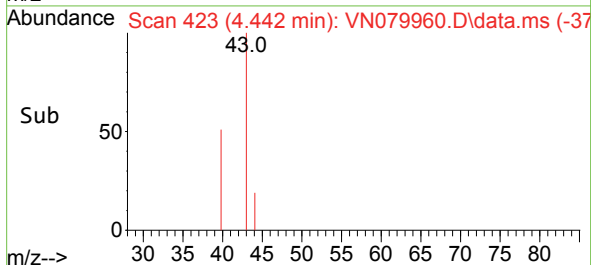
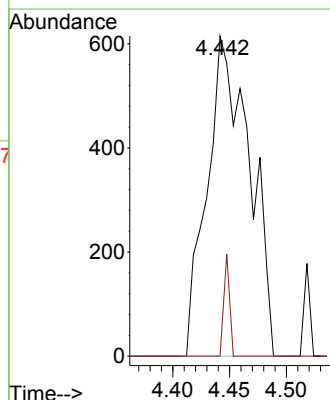
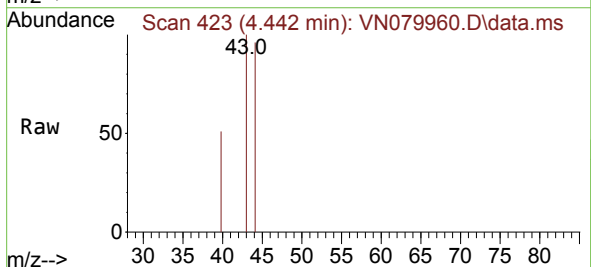
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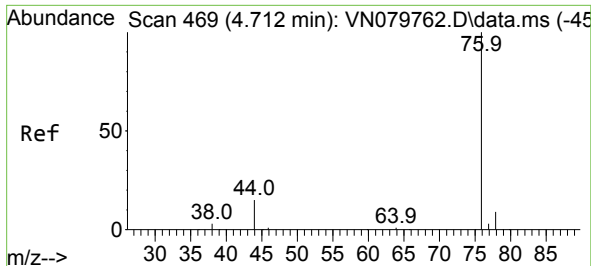
Tgt Ion: 43 Resp: 1602

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#

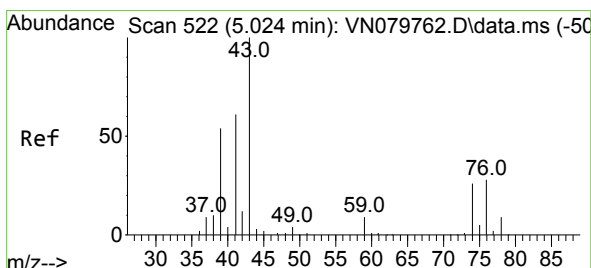
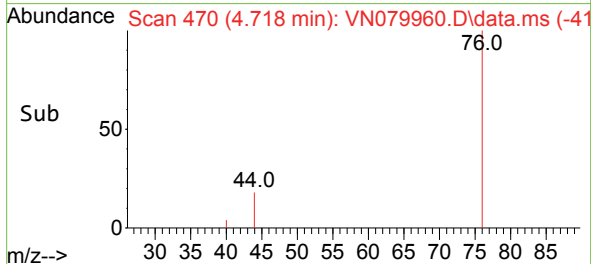
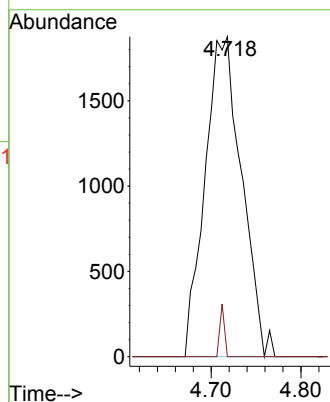
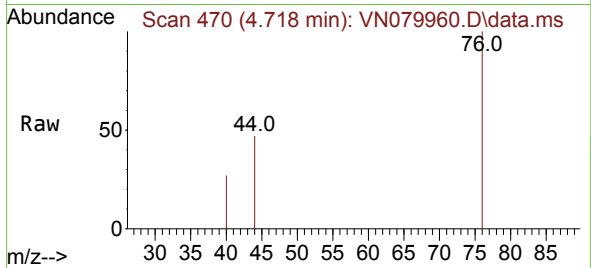




#17
Carbon Disulfide
Concen: 0.587 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

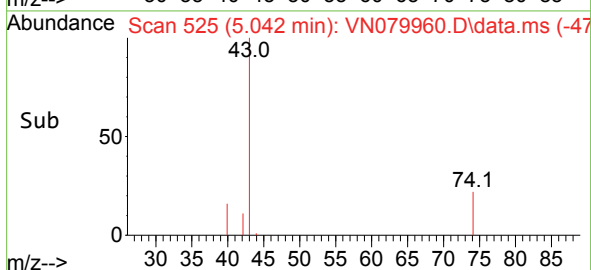
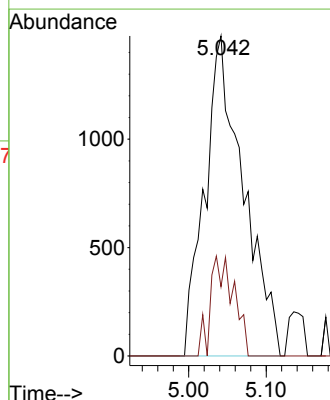
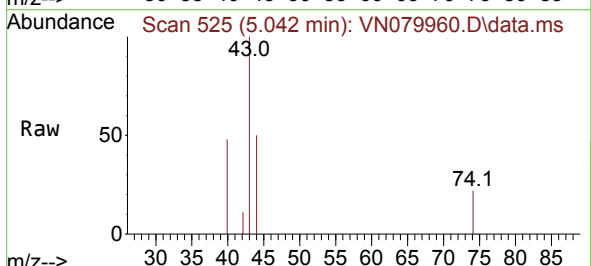
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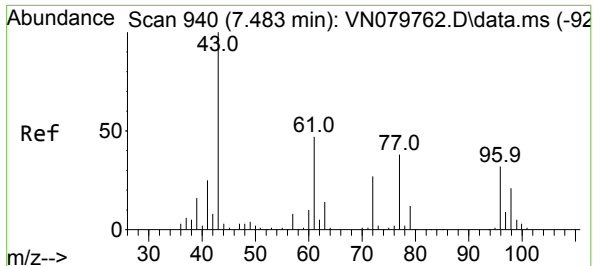
Tgt Ion: 76 Resp: 5333
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.682 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 43 Resp: 5111
Ion Ratio Lower Upper
43 100
74 19.0 26.2 39.4#

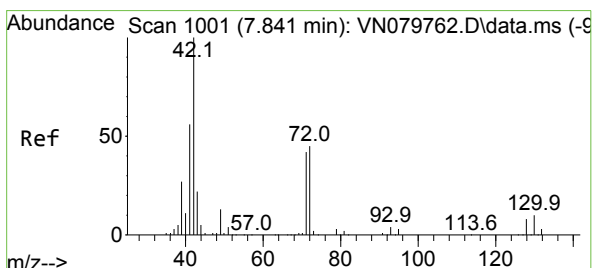
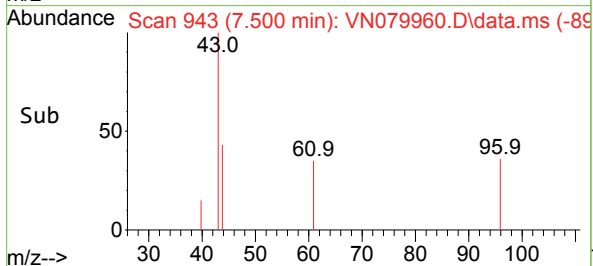
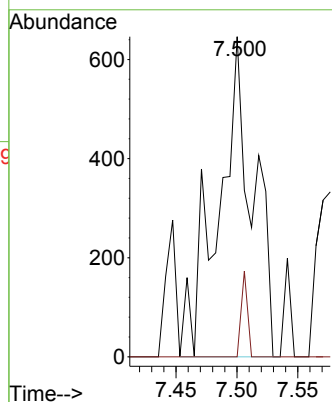
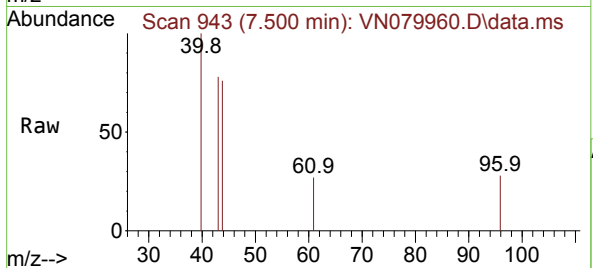




#25
2-Butanone
Concen: 0.562 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

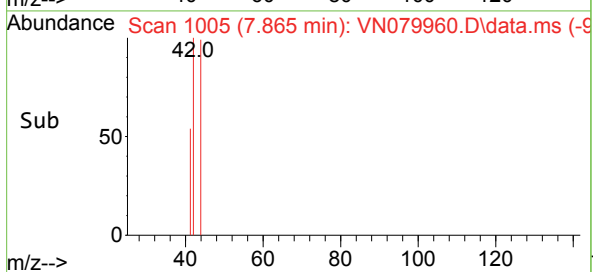
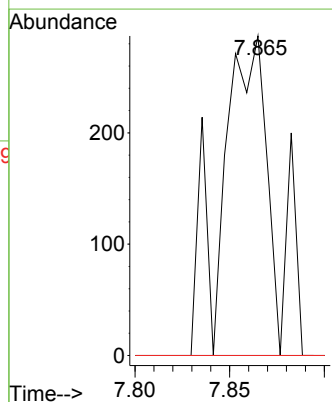
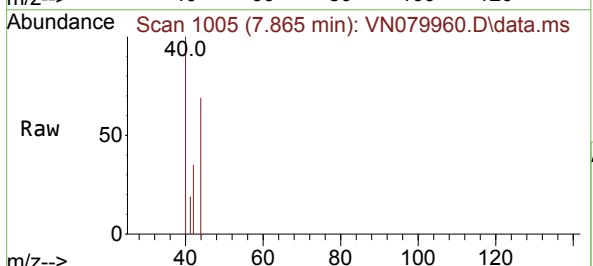
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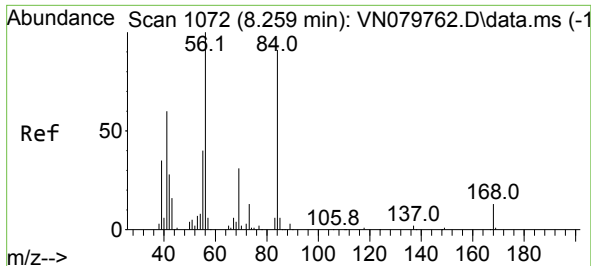
Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.317 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

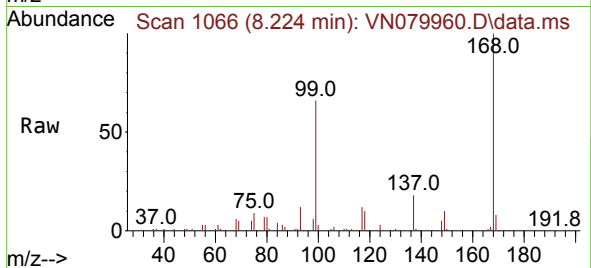
Tgt Ion: 42 Resp: 473
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



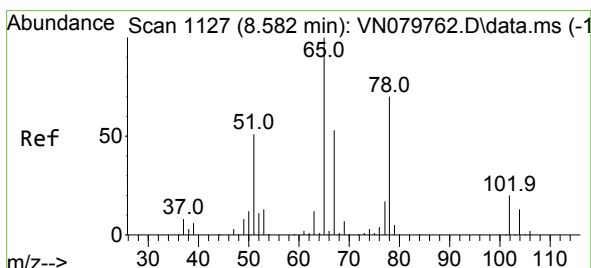
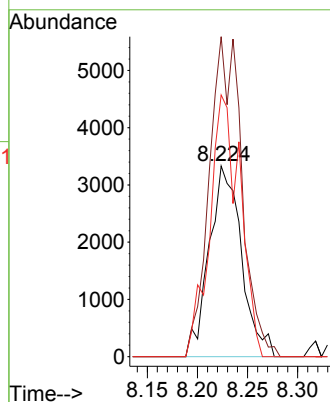
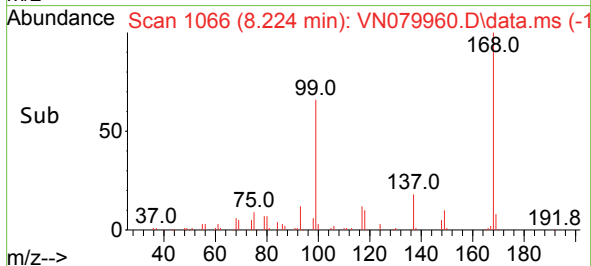


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

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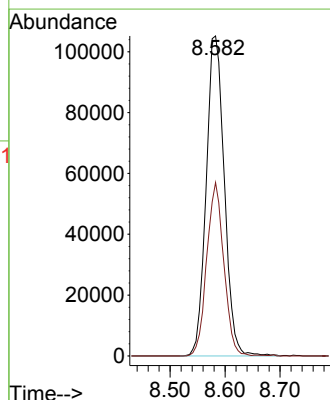
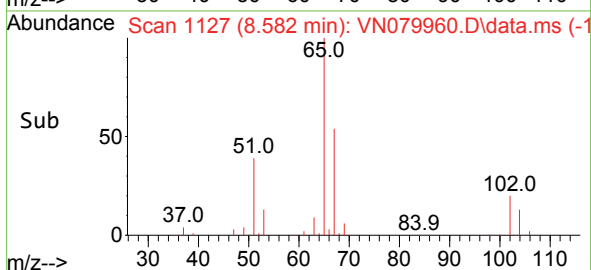
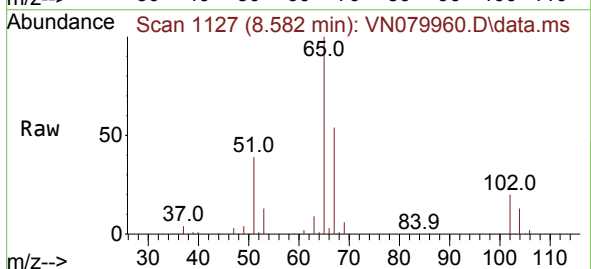


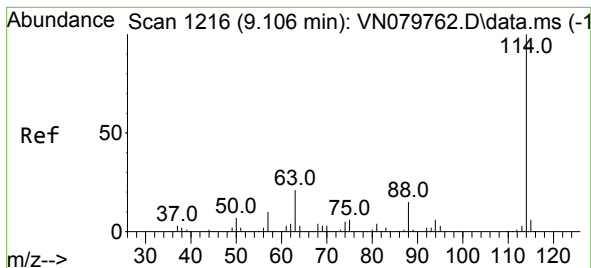
Tgt Ion: 56 Resp: 7453
Ion Ratio Lower Upper
56 100
69 167.7 26.8 40.2#
84 137.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.124 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 65 Resp: 241217
Ion Ratio Lower Upper
65 100
67 51.0 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: VN079960.D

Acq: 07 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

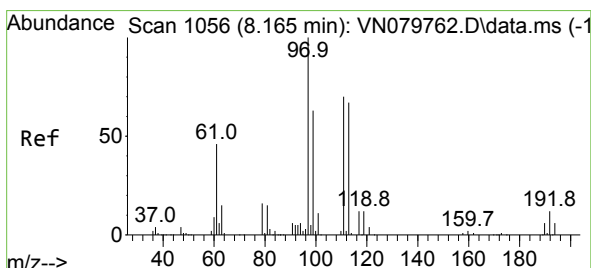
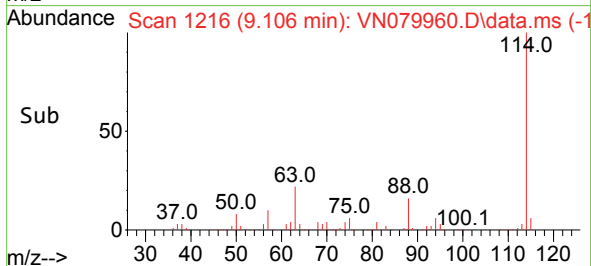
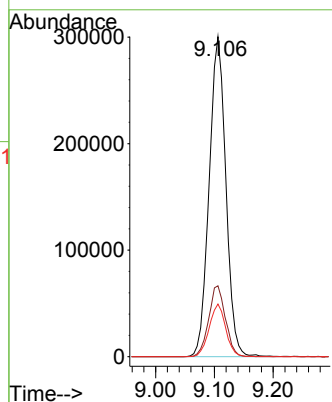
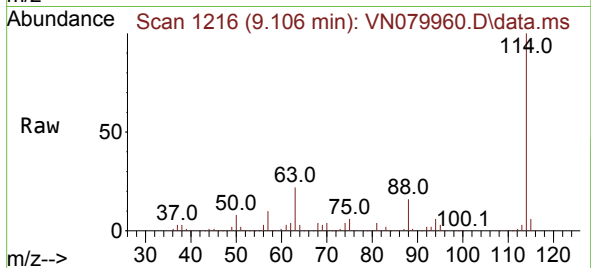
Tgt Ion:114 Resp: 592808

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.220 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

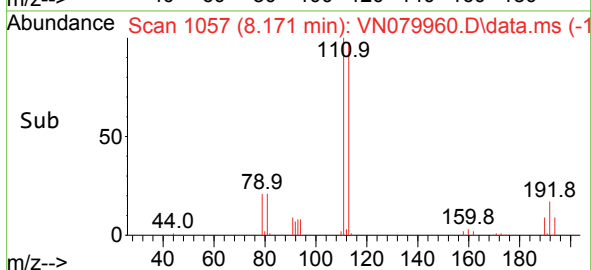
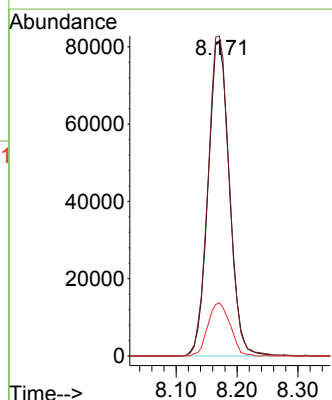
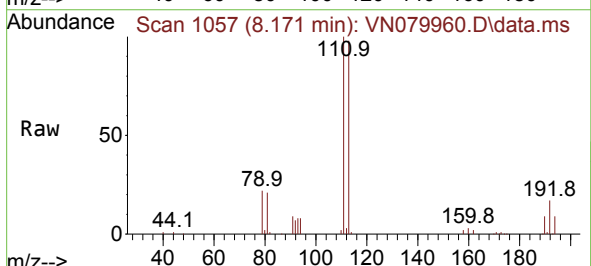
Tgt Ion:113 Resp: 198119

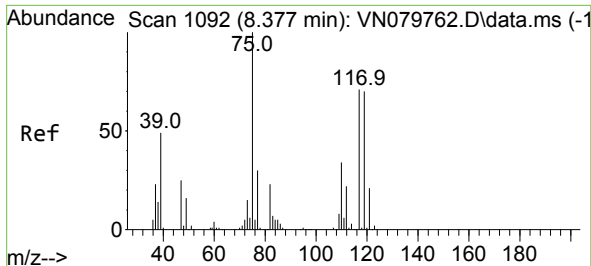
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 17.6 12.7 19.1

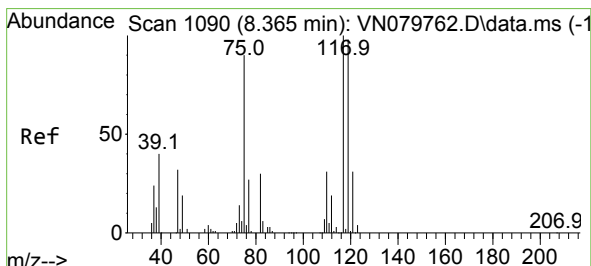
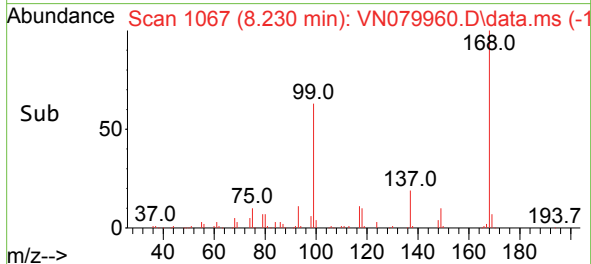
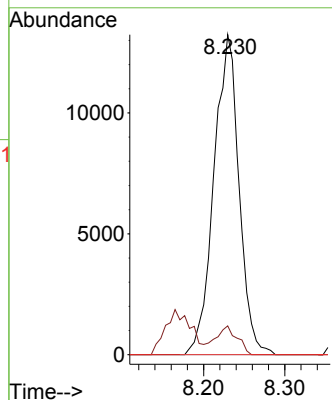
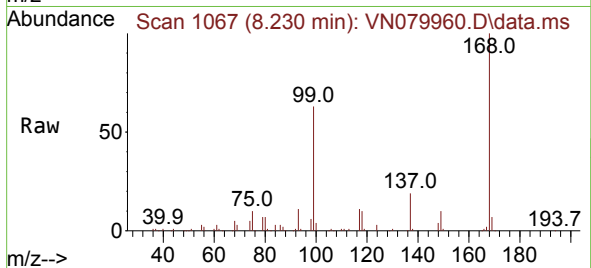




#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

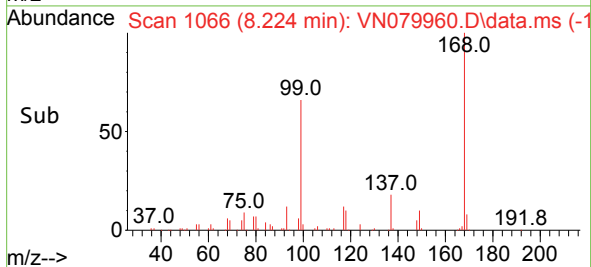
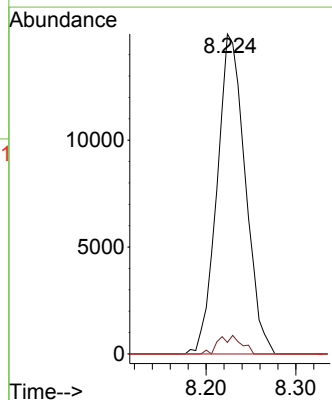
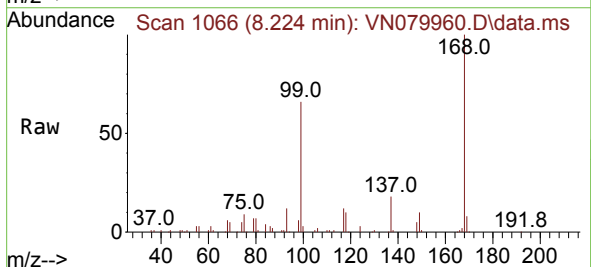
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

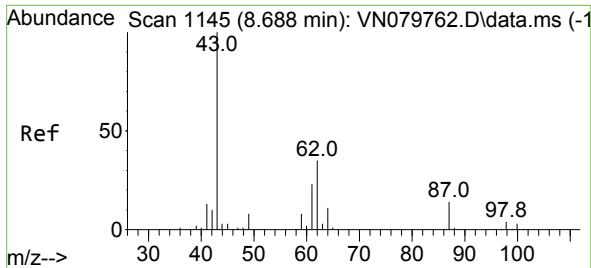
Tgt Ion: 75 Resp: 28455
Ion Ratio Lower Upper
75 100
110 7.8 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 117 Resp: 32623
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 23.3 34.9#

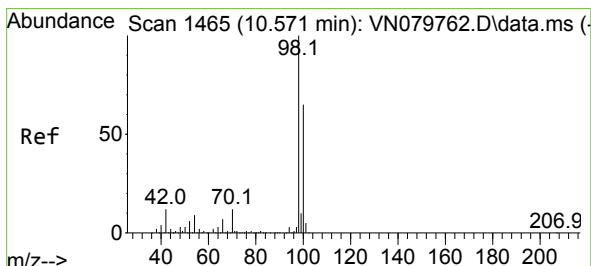
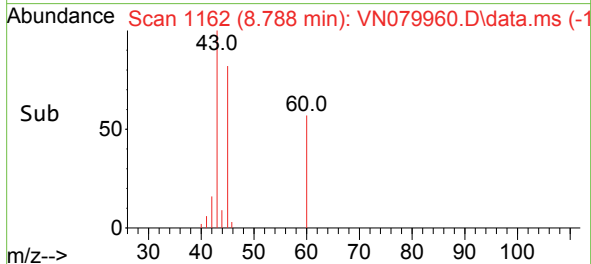
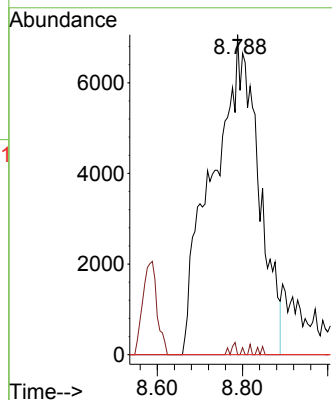
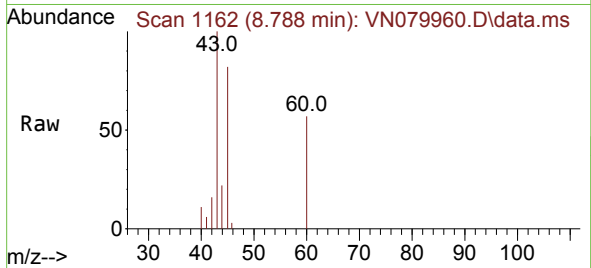




#43
Isopropyl Acetate
Concen: 5.456 ug/l
RT: 8.788 min Scan# 1162
Delta R.T. 0.100 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

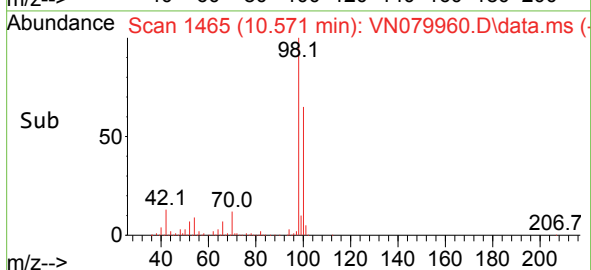
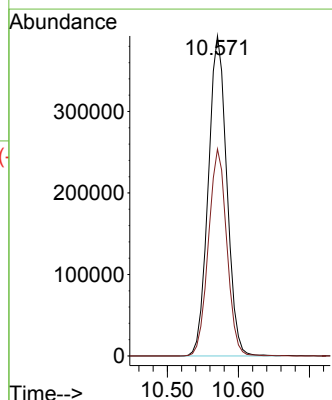
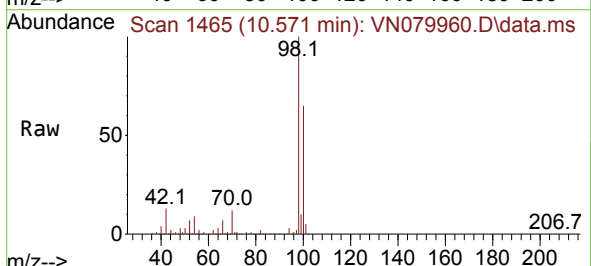
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

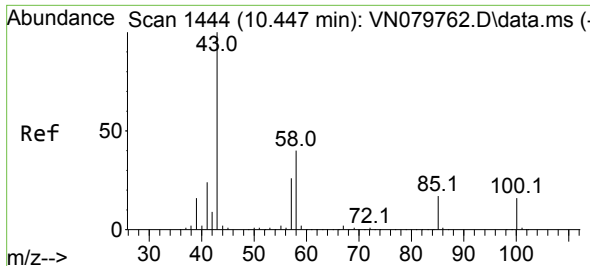
Tgt Ion: 43 Resp: 52566
Ion Ratio Lower Upper
43 100
61 0.4 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.089 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 98 Resp: 711878
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.383 ug/l

RT: 10.459 min Scan# 1446

Delta R.T. 0.012 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

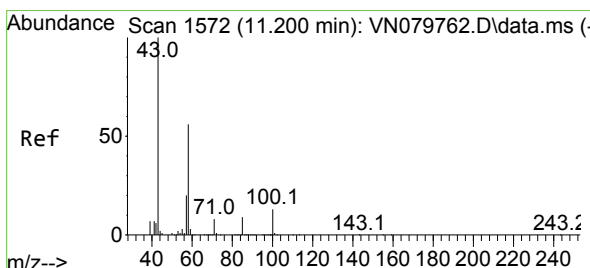
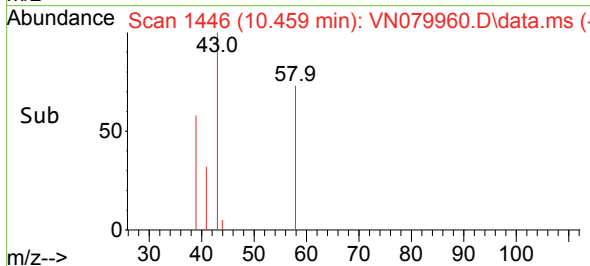
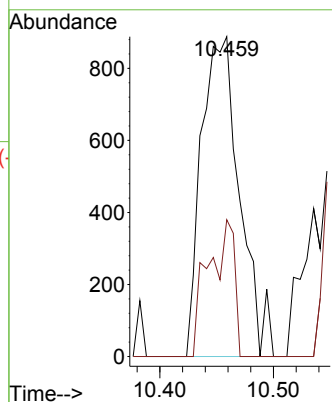
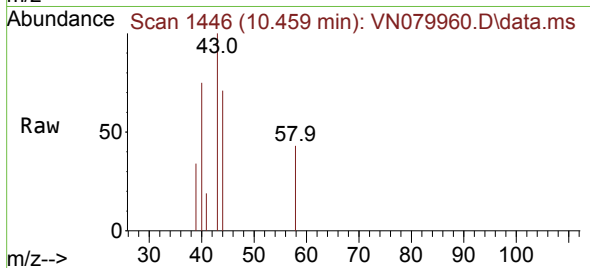
VN1107MBL01

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

58 29.1 36.6 54.8#



#59

2-Hexanone

Concen: 0.791 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079960.D

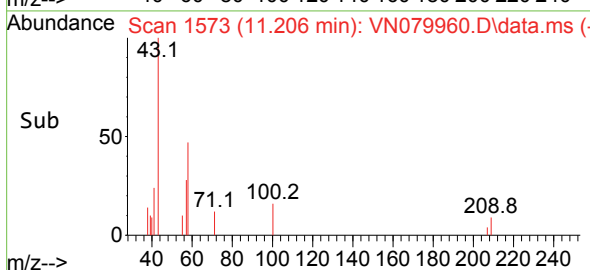
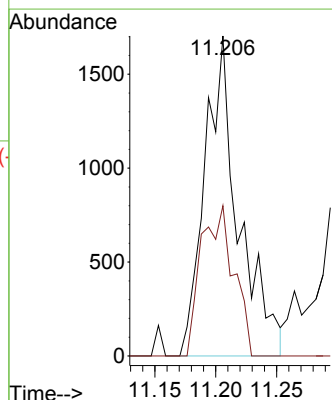
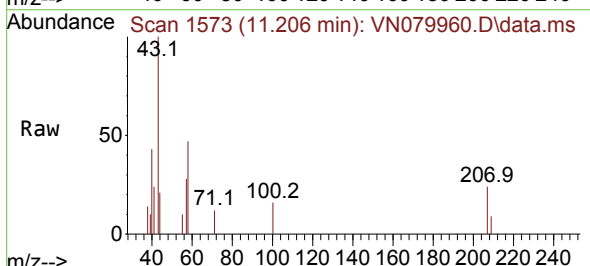
Acq: 07 Nov 2023 13:07

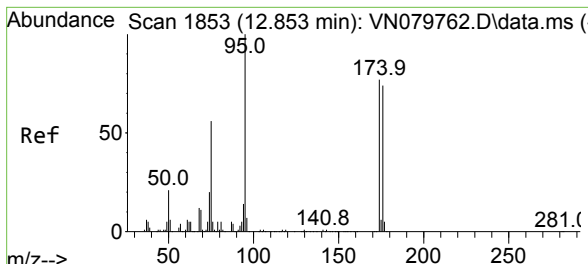
Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

43 100

58 45.3 31.7 95.1

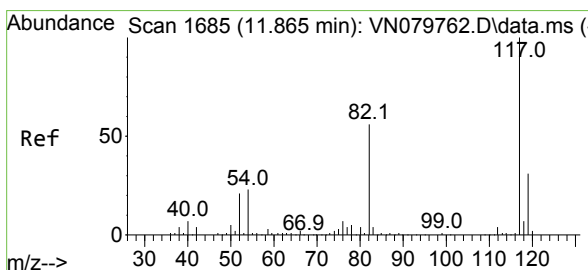
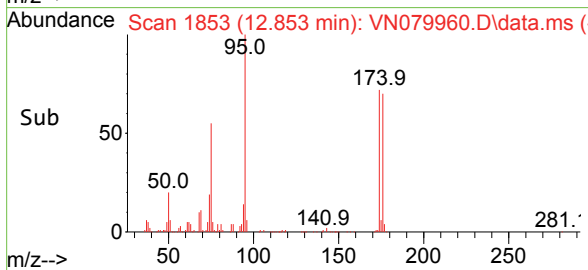
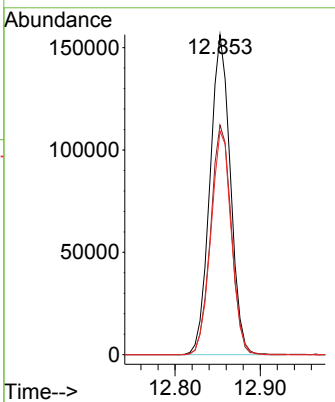
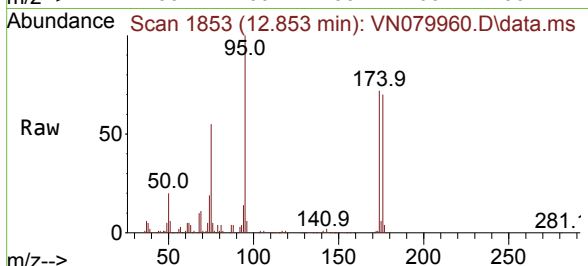




#62
 4-Bromofluorobenzene
 Concen: 50.745 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

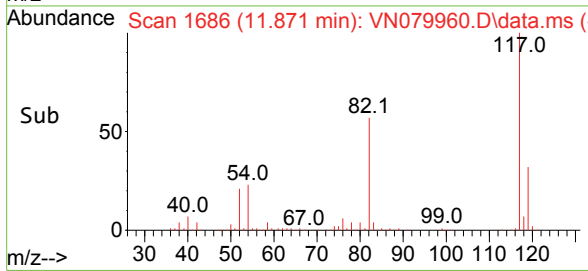
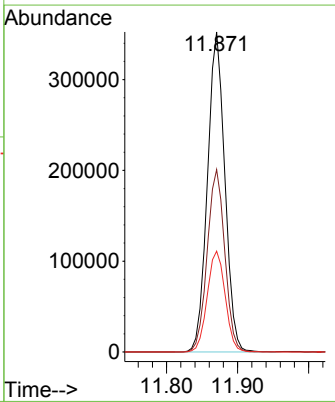
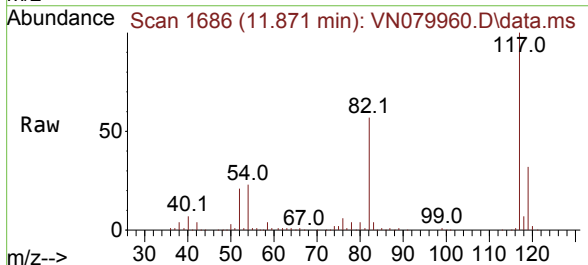
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

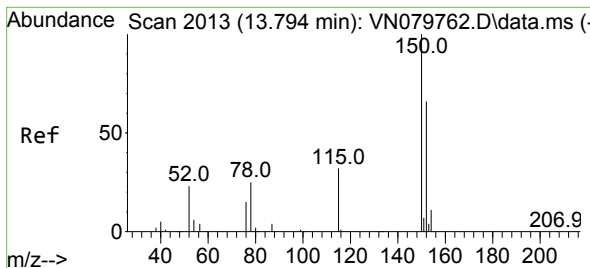
Tgt Ion:	95	Resp:	259946
Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	143.8
176	70.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

Tgt Ion:	117	Resp:	598137
Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.0	66.0
119	31.5	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

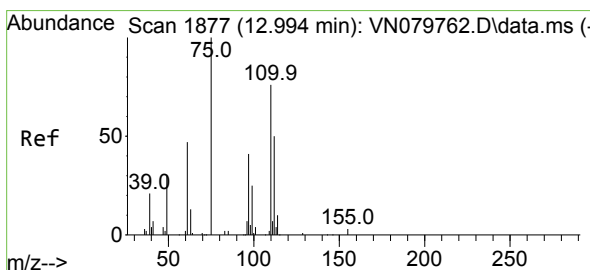
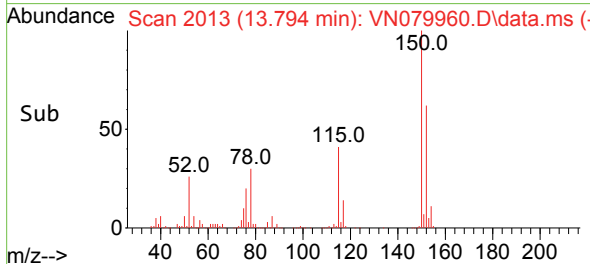
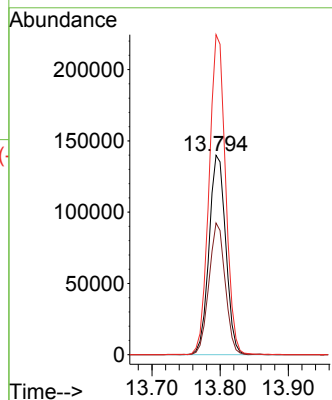
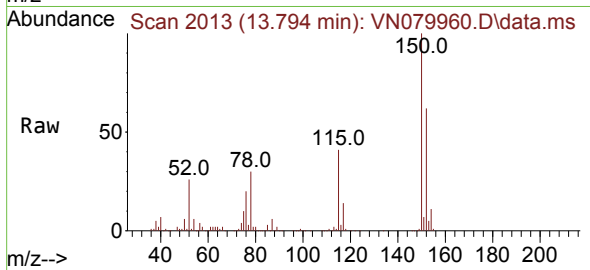
Tgt Ion:152 Resp: 238812

Ion Ratio Lower Upper

152 100

115 64.1 32.3 96.8

150 158.4 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.265 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079960.D

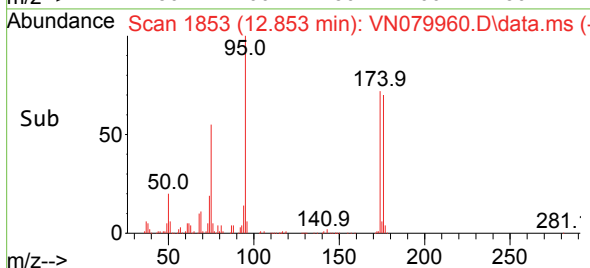
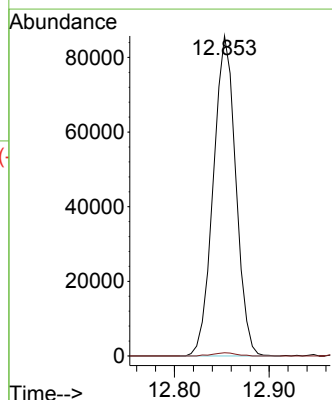
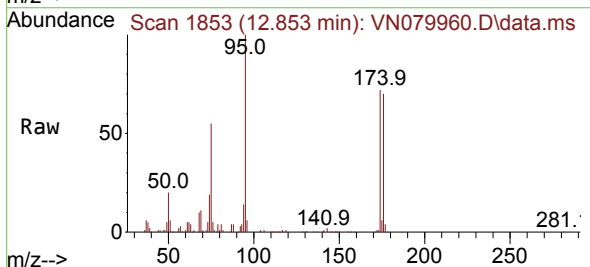
Acq: 07 Nov 2023 13:07

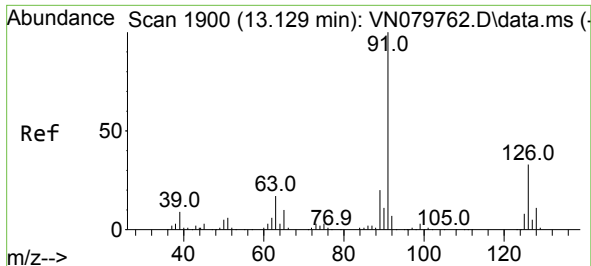
Tgt Ion: 75 Resp: 141652

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

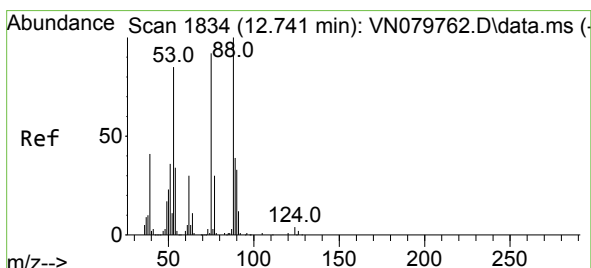
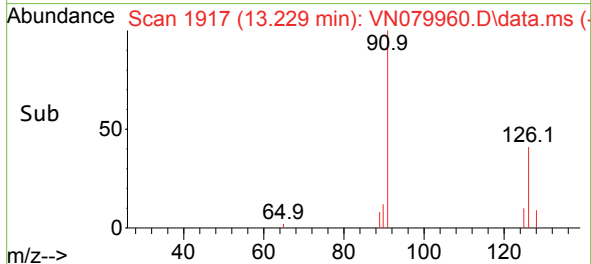
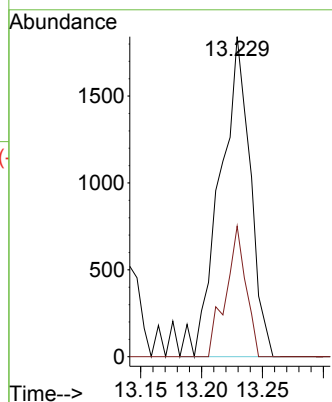
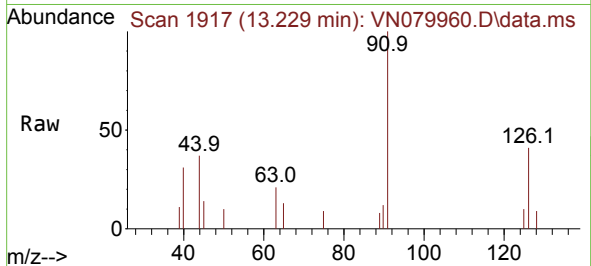




#79
2-Chlorotoluene
Concen: 0.241 ug/l
RT: 13.229 min Scan# 1900
Delta R.T. 0.100 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

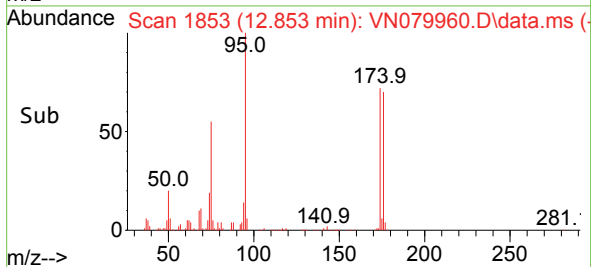
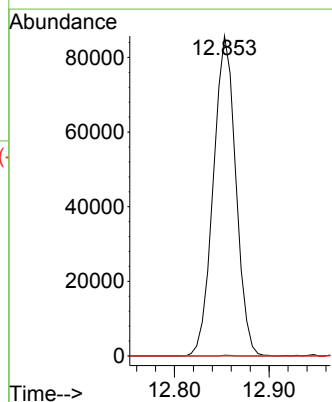
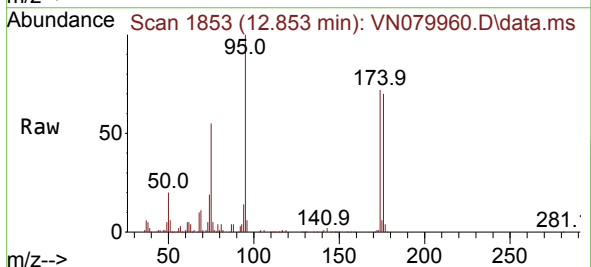
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

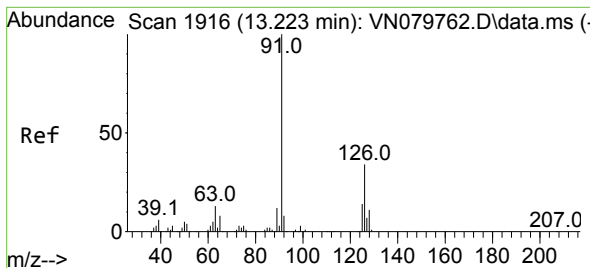
Tgt Ion: 91 Resp: 3193
Ion Ratio Lower Upper
91 100
126 27.2 16.3 48.8



#81
trans-1,4-Dichloro-2-butene
Concen: 68.741 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 75 Resp: 141652
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

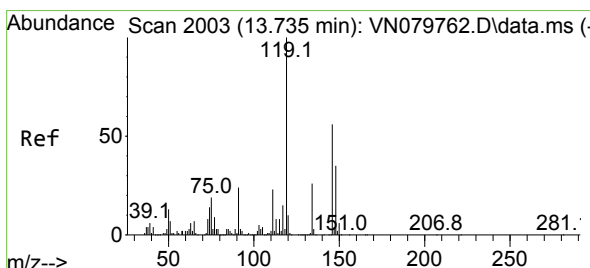
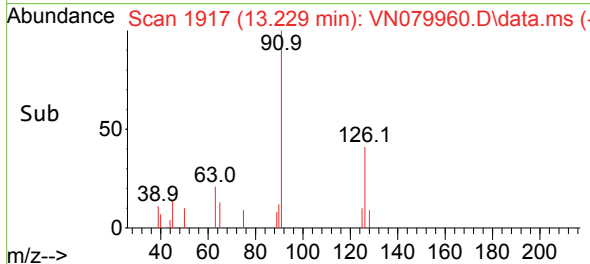
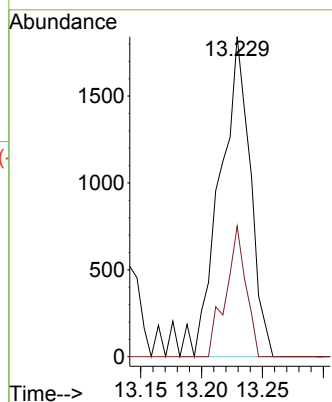
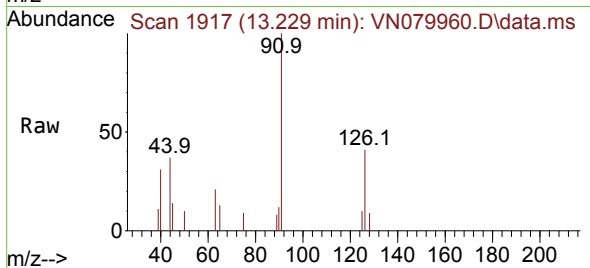




#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 13.229 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

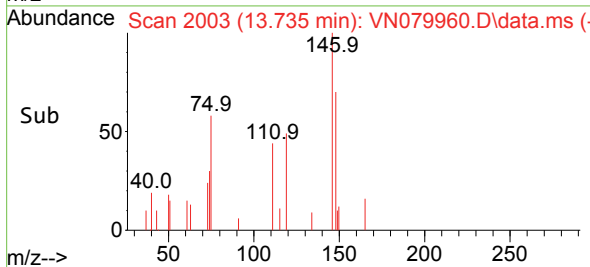
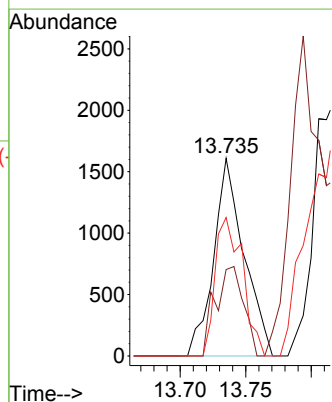
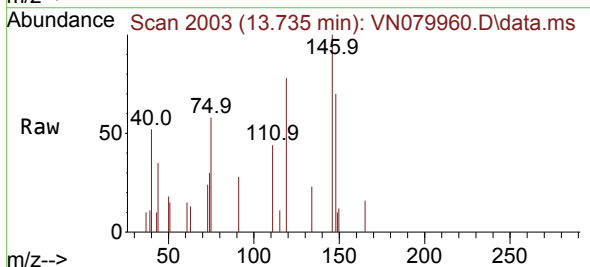
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

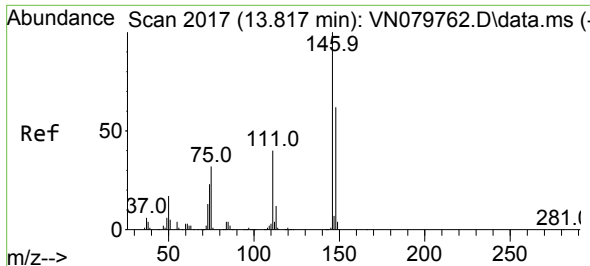
Tgt Ion: 91 Resp: 3193
Ion Ratio Lower Upper
91 100
126 27.2 16.7 50.0



#87
1,3-Dichlorobenzene
Concen: 0.313 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 146 Resp: 2581
Ion Ratio Lower Upper
146 100
111 42.2 22.1 66.3
148 63.4 32.0 96.0

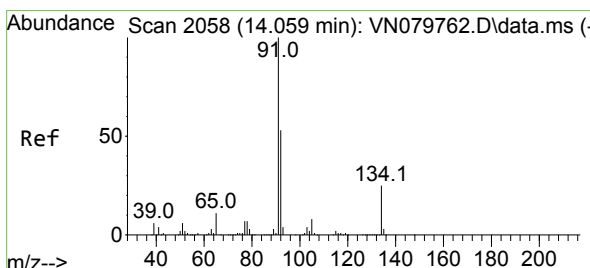
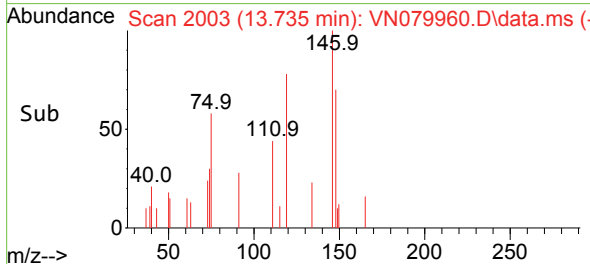
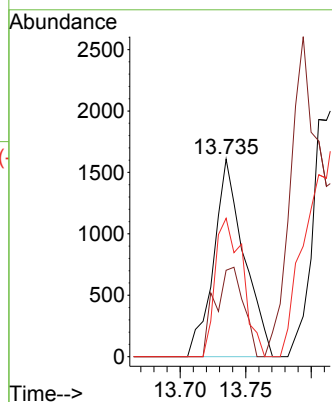
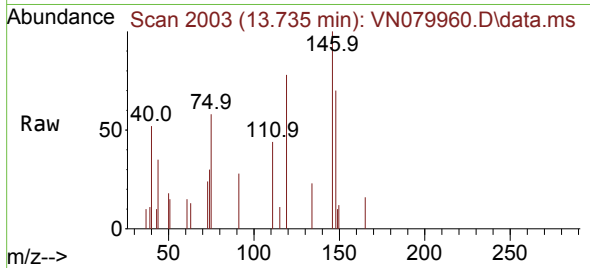




#88
1,4-Dichlorobenzene
Concen: 0.308 ug/l
RT: 13.735 min Scan# 2017
Delta R.T. -0.082 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

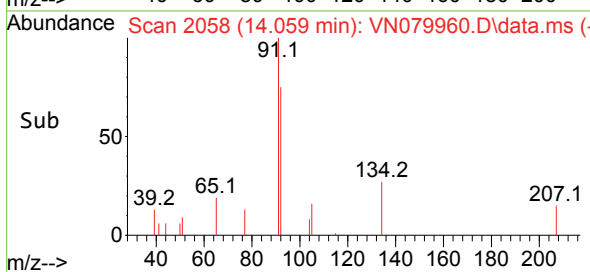
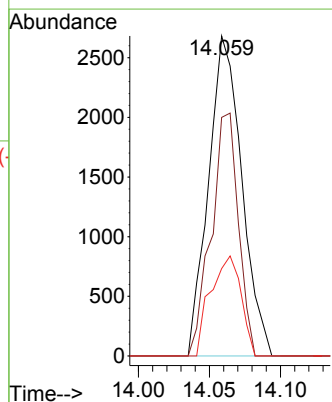
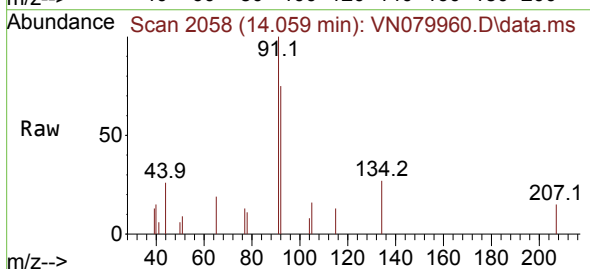
Instrument :
MSVOA_N
ClientSampleId :
VN1107MBL01

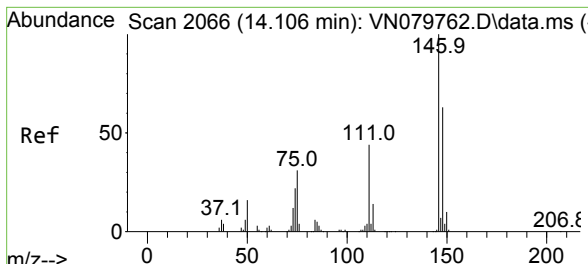
Tgt Ion:146 Resp: 2581
Ion Ratio Lower Upper
146 100
111 42.2 20.6 61.8
148 63.4 31.6 94.8



#89
n-Butylbenzene
Concen: 0.389 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079960.D
Acq: 07 Nov 2023 13:07

Tgt Ion: 91 Resp: 4367
Ion Ratio Lower Upper
91 100
92 61.8 26.4 79.0
134 28.6 12.6 37.6

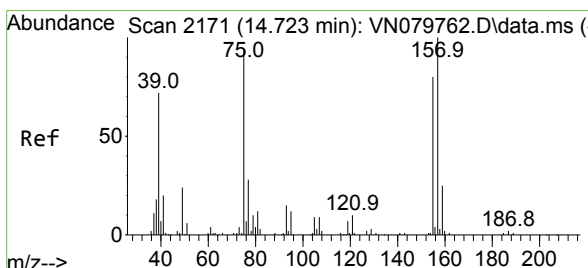
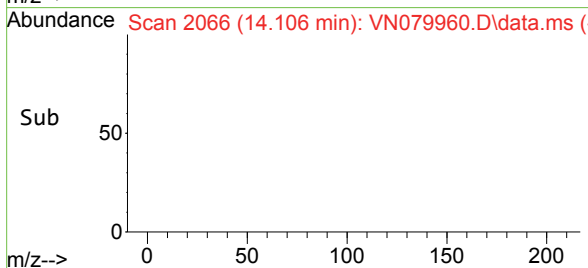
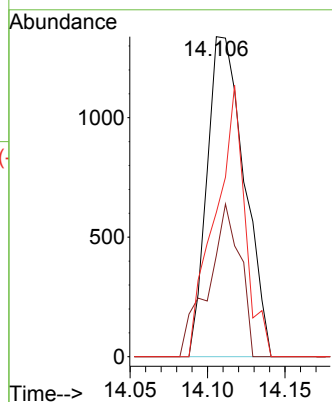
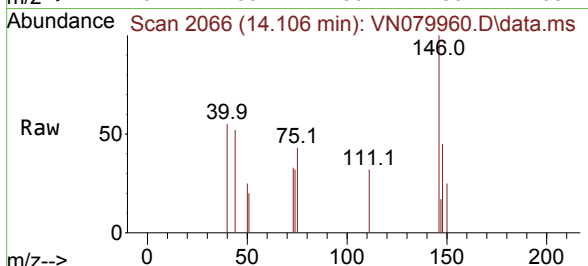




#91
 1,2-Dichlorobenzene
 Concen: 0.288 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. 0.000 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

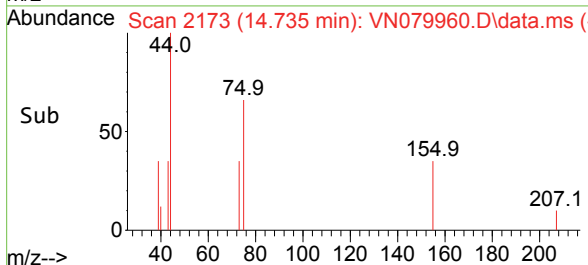
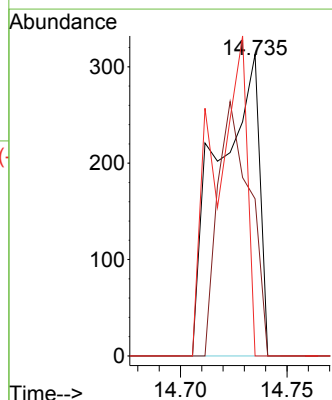
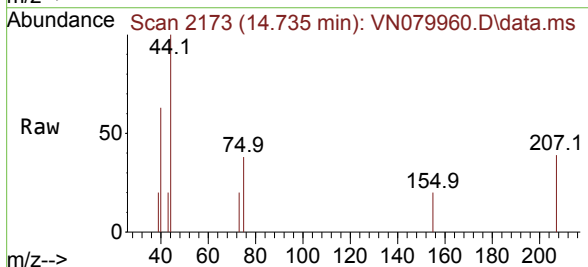
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

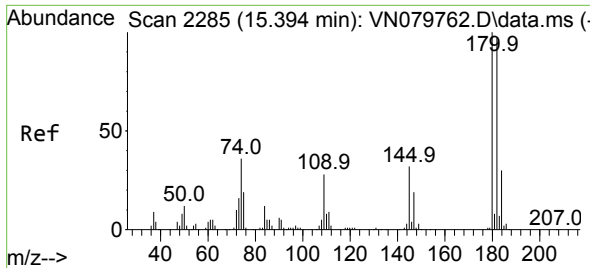
Tgt Ion:	146	Resp:	2244
Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.0	66.0
148	67.7	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.385 ug/l
 RT: 14.735 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

Tgt Ion:	75	Resp:	420
Ion	Ratio	Lower	Upper
75	100		
155	66.2	39.1	117.2
157	83.1	50.3	150.9

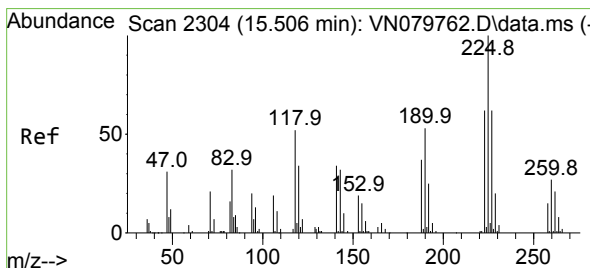
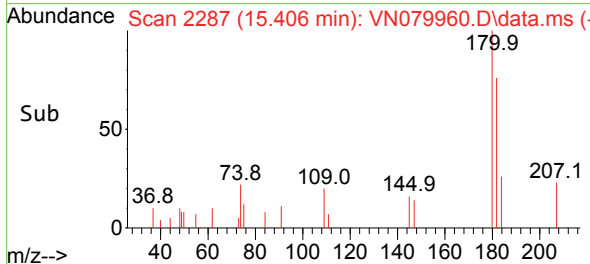
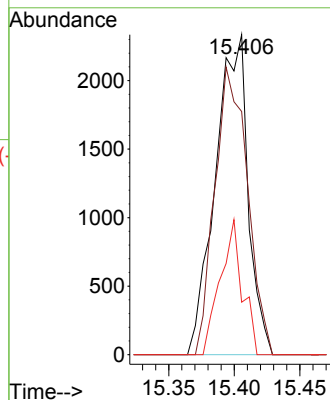
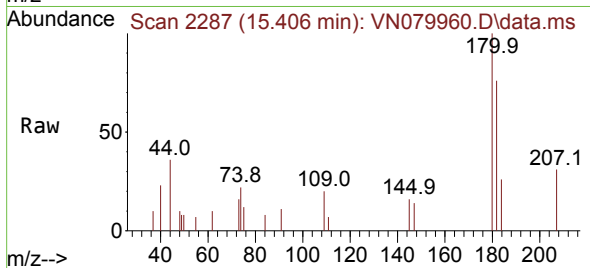




#93
 1,2,4-Trichlorobenzene
 Concen: 1.090 ug/l
 RT: 15.406 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

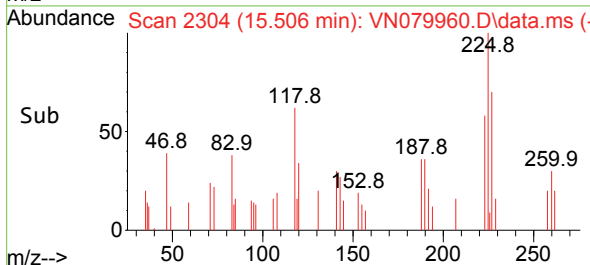
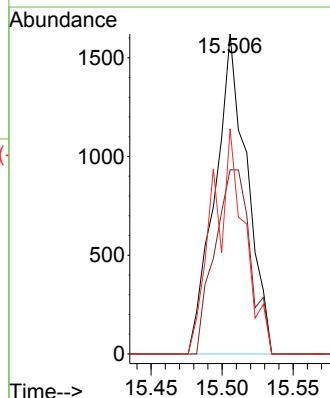
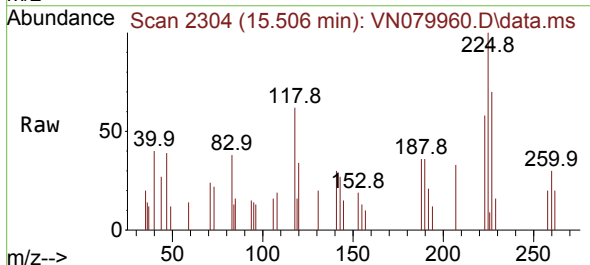
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107MBL01

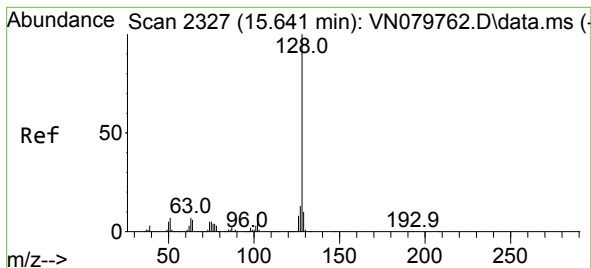
Tgt Ion:180 Resp: 4040
 Ion Ratio Lower Upper
 180 100
 182 89.8 46.1 138.2
 145 28.5 16.6 49.8



#94
 Hexachlorobutadiene
 Concen: 1.514 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.000 min
 Lab File: VN079960.D
 Acq: 07 Nov 2023 13:07

Tgt Ion:225 Resp: 2543
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.3 93.8
 227 69.7 31.9 95.9





#95

Naphthalene

Concen: 1.683 ug/l

RT: 15.647 min Scan# 21153

Delta R.T. 0.006 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1107MBL01

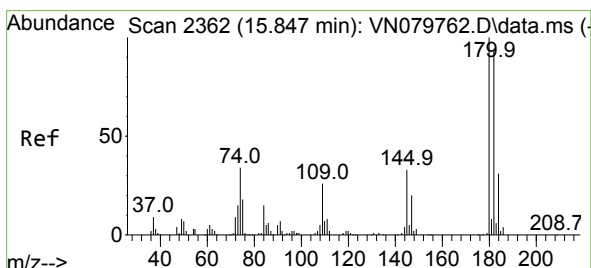
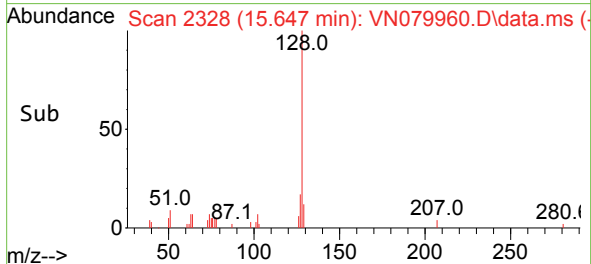
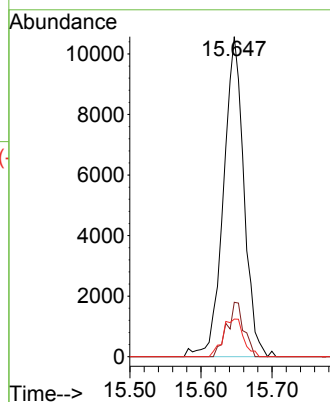
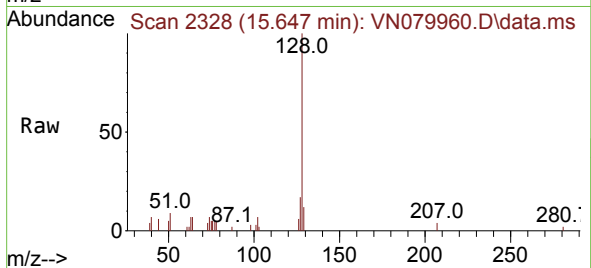
Tgt Ion:128 Resp: 21153

Ion Ratio Lower Upper

128 100

127 14.0 10.0 15.0

129 11.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.083 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN079960.D

Acq: 07 Nov 2023 13:07

Tgt Ion:180 Resp: 3932

Ion Ratio Lower Upper

180 100

182 95.8 46.2 138.6

145 42.7 17.5 52.6

