

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079061.D
 Acq On : 28 Aug 2023 12:34
 Operator : JC\MD
 Sample : VN0828WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 04:54:27 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)

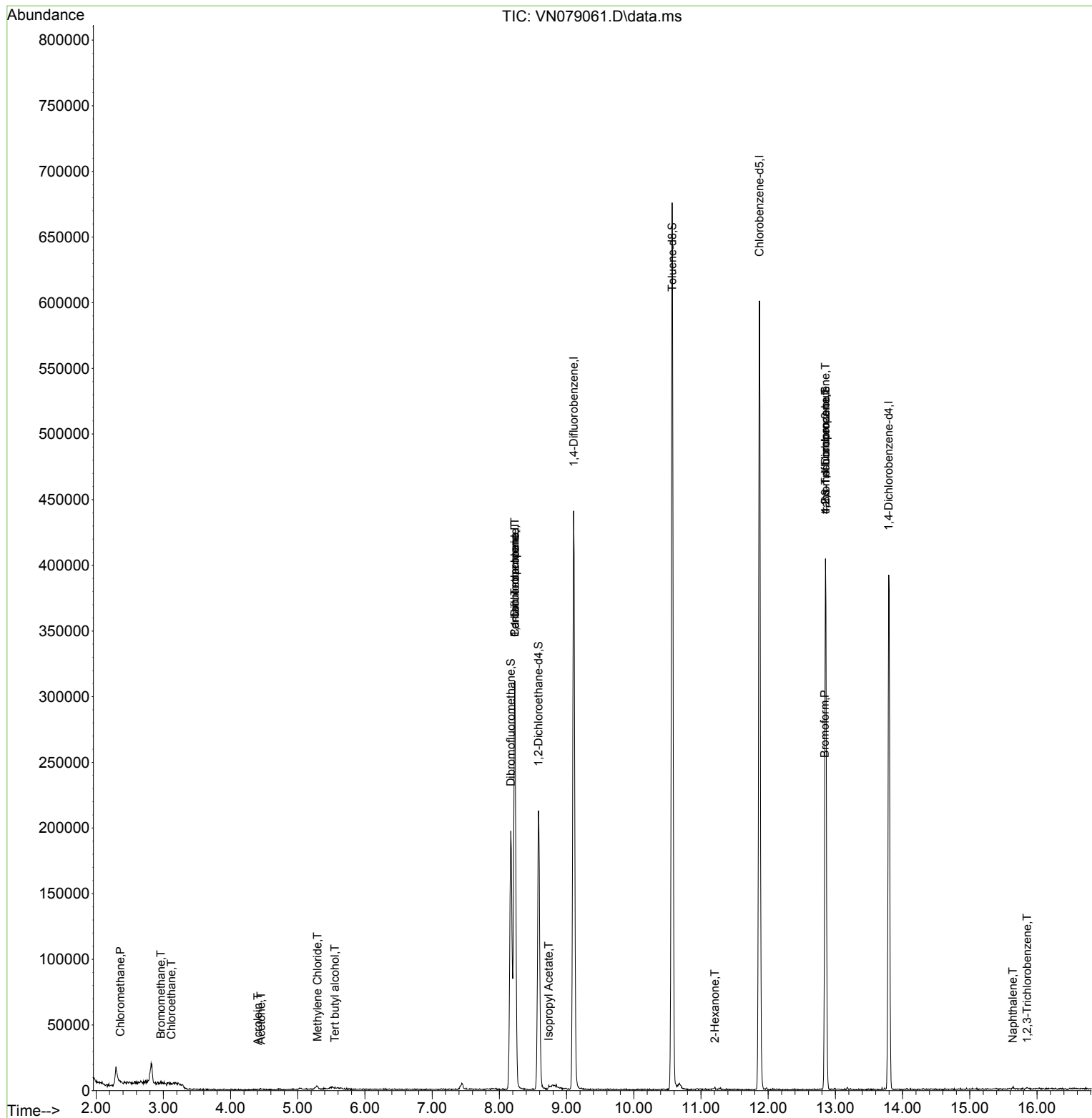
Internal Standards						
1) Pentafluorobenzene	8.229	168	228287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	369663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	334418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	166295	46.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.620%		
35) Dibromofluoromethane	8.171	113	140071	56.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.580%		
50) Toluene-d8	10.570	98	445154	48.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.360%		
62) 4-Bromofluorobenzene	12.853	95	133167	44.094	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	997	0.225	ug/l #	42
5) Bromomethane	2.965	94	542	0.243	ug/l	94
6) Chloroethane	3.118	64	863	0.318	ug/l #	43
11) Tert butyl alcohol	5.553	59	183	0.307	ug/l #	72
13) Acrolein	4.406	56	57	6.996	ug/l #	16
16) Acetone	4.453	43	498	0.340	ug/l #	40
20) Methylene Chloride	5.294	84	1472	0.471	ug/l #	78
31) Cyclohexane	8.229	56	6091	Below Cal	#	31
36) 1,1-Dichloropropene	8.229	75	19264	5.146	ug/l #	47
38) Carbon Tetrachloride	8.229	117	24770	6.604	ug/l #	16
43) Isopropyl Acetate	8.735	43	1837	0.248	ug/l #	49
59) 2-Hexanone	11.206	43	963	0.303	ug/l	70
71) Bromoform	12.841	173	572	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	74364	30.624	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74364	78.231	ug/l #	15
95) Naphthalene	15.641	128	1834	2.949	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.852	180	470	0.350	ug/l #	50

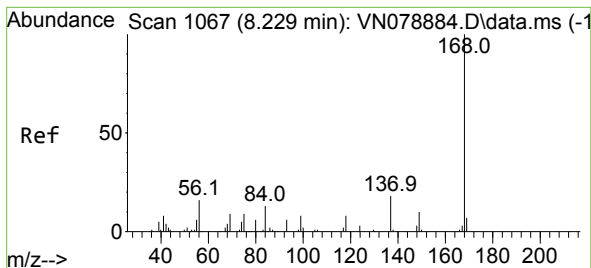
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.001 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

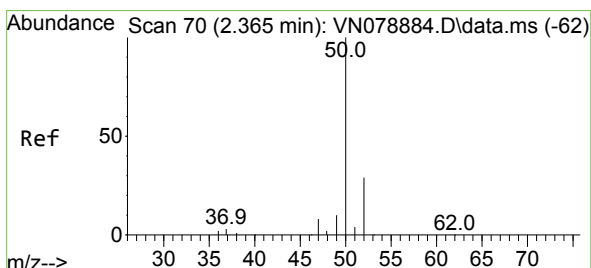
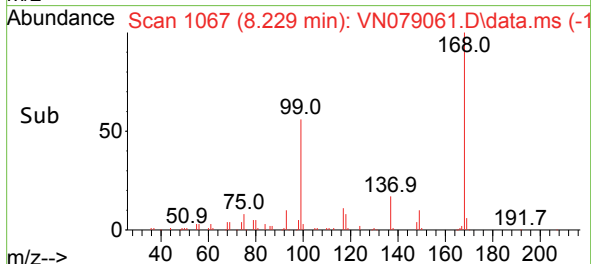
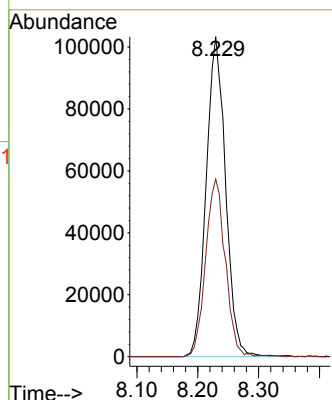
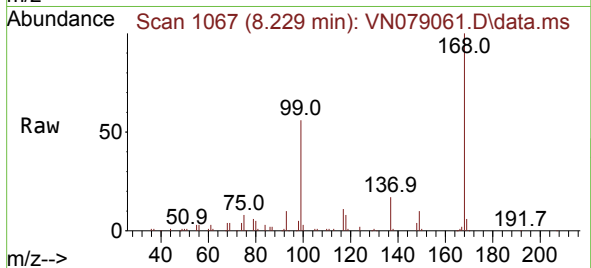
ClientSampleId :

Tgt Ion:168 Resp: 228287

Ion Ratio Lower Upper

168 100

99 55.6 53.0 79.6



#3

Chloromethane

Concen: 0.225 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN079061.D

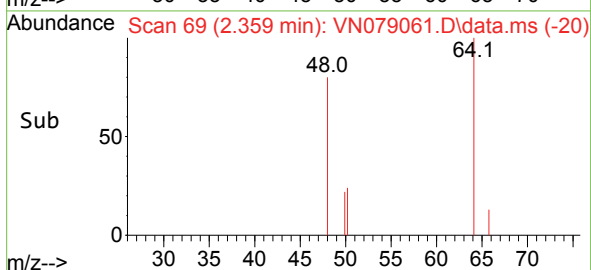
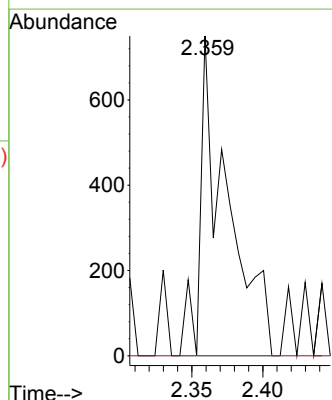
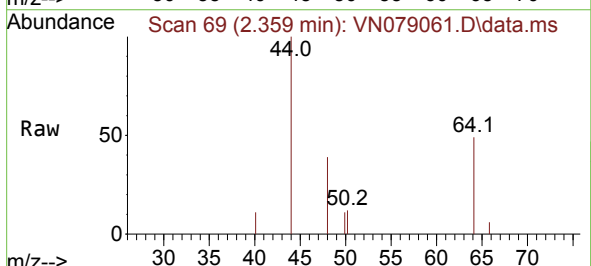
Acq: 28 Aug 2023 12:34

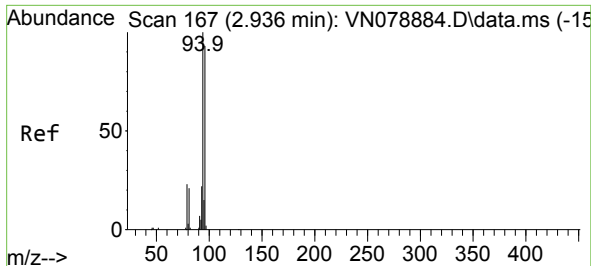
Tgt Ion: 50 Resp: 997

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

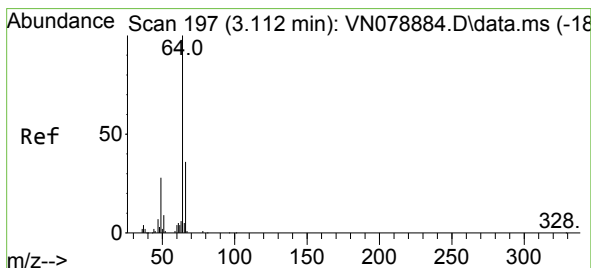
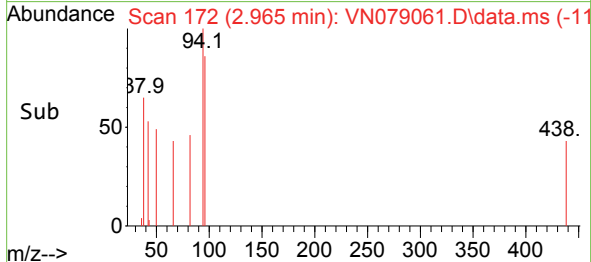
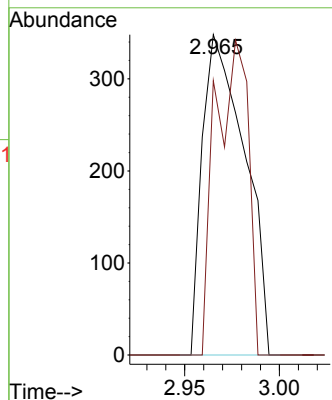
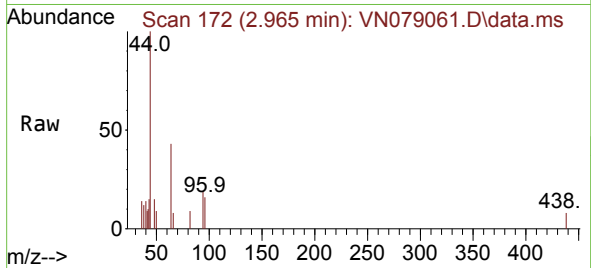




#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

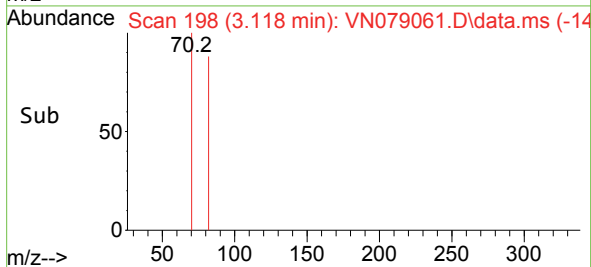
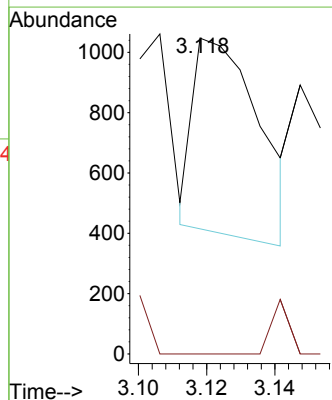
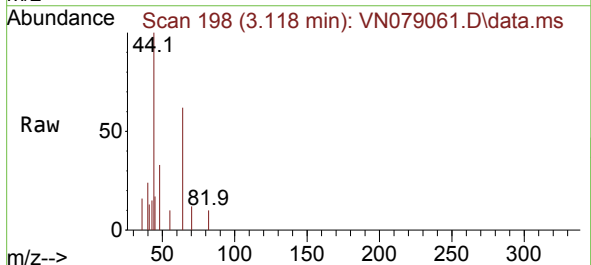
Instrument :
MSVOA_N
ClientSampleId :

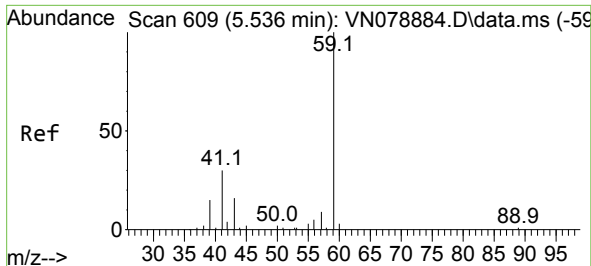
Tgt Ion: 94 Resp: 542
Ion Ratio Lower Upper
94 100
96 85.6 73.1 109.7



#6
Chloroethane
Concen: 0.318 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

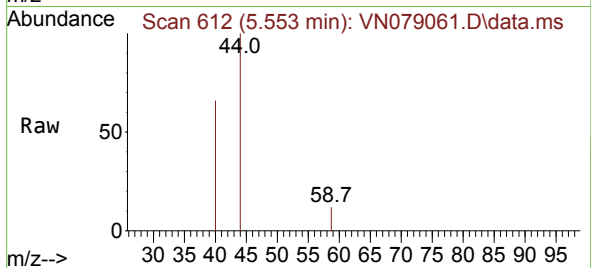
Tgt Ion: 64 Resp: 863
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



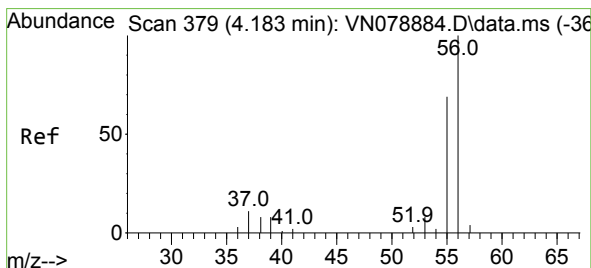
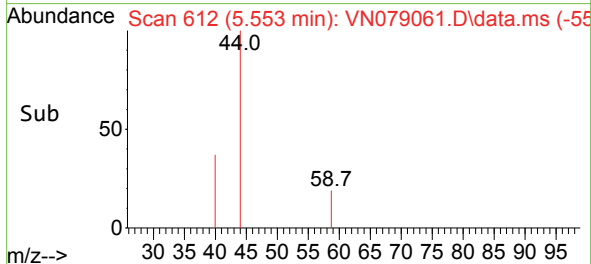
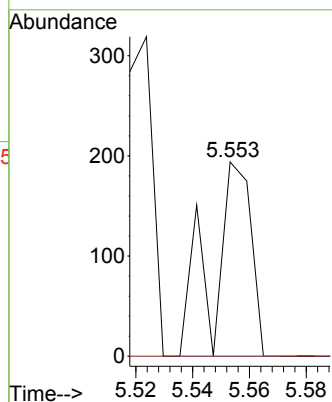


#11
Tert butyl alcohol
Concen: 0.307 ug/l
RT: 5.553 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Instrument :
MSVOA_N
ClientSampleId :

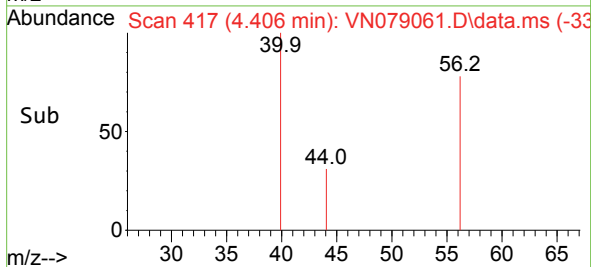
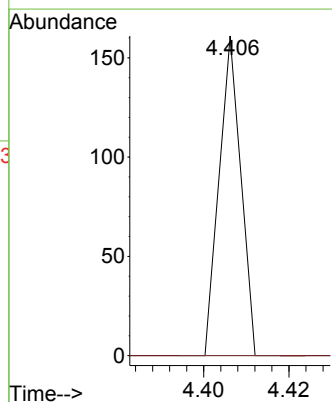
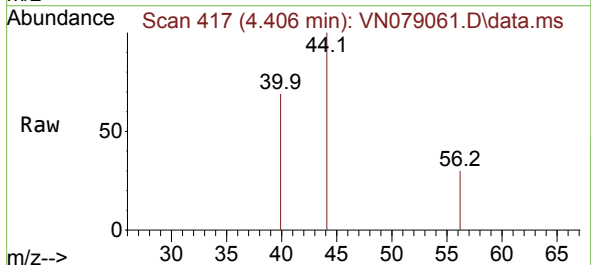


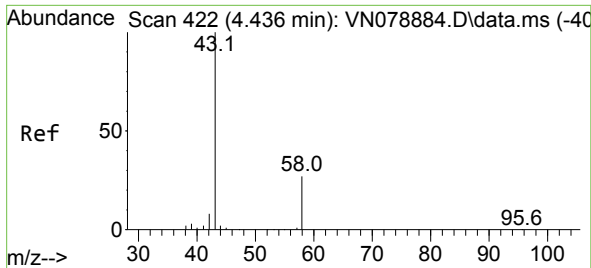
Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 6.996 ug/l
RT: 4.406 min Scan# 417
Delta R.T. 0.211 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 0.340 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

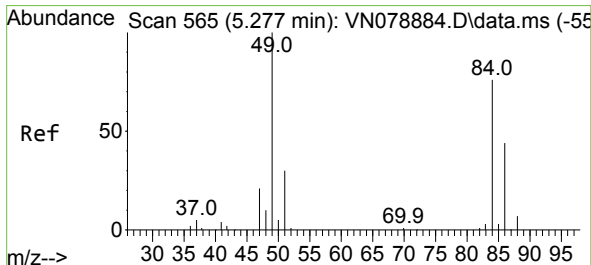
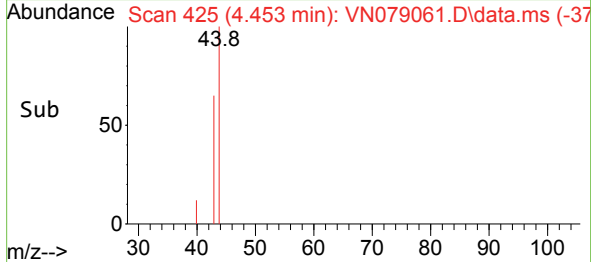
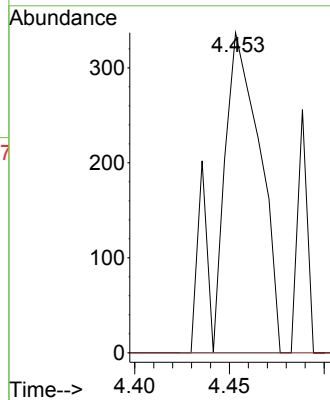
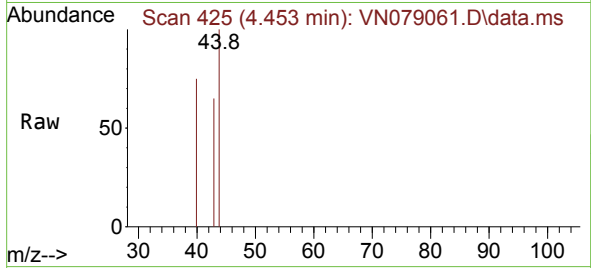
ClientSampleId :

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 0.471 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.011 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Tgt Ion: 84 Resp: 1472

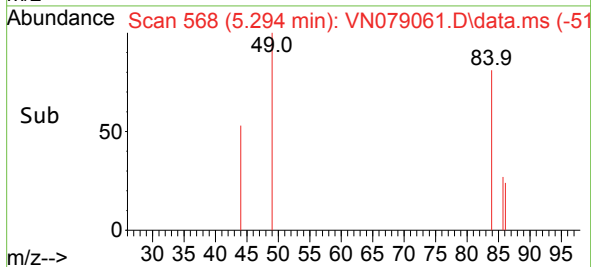
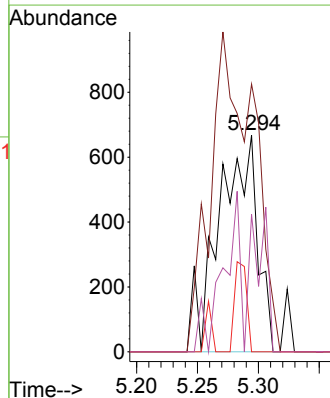
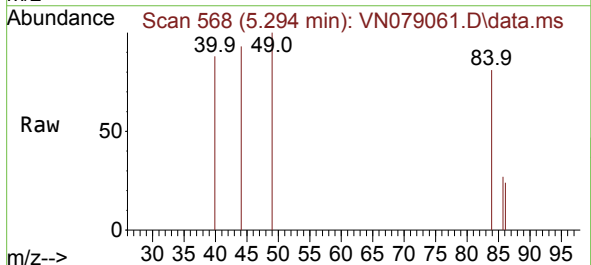
Ion Ratio Lower Upper

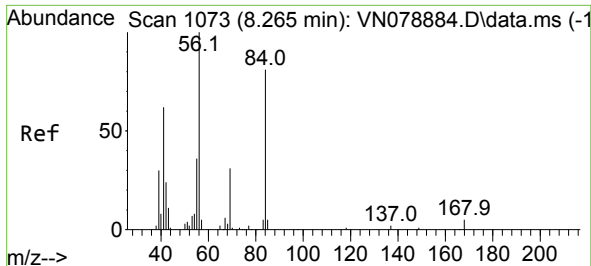
84 100

49 123.5 79.7 119.5#

51 0.0 25.2 37.8#

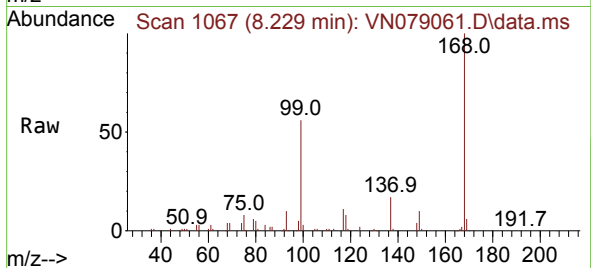
86 63.5 53.3 79.9



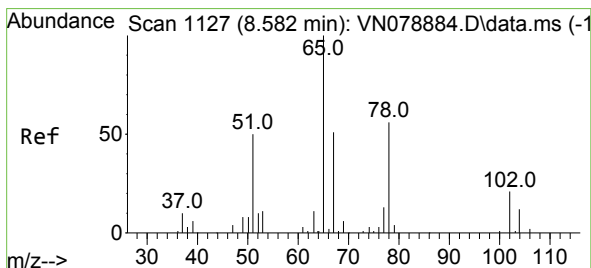
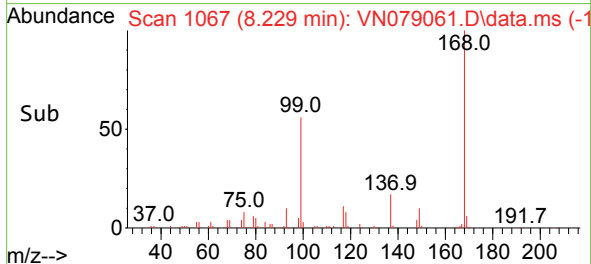
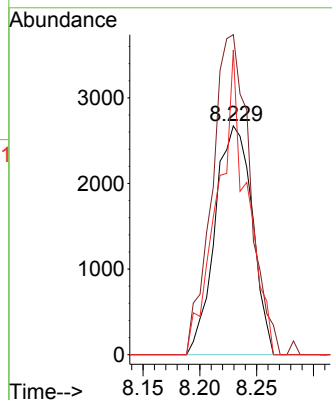


#31
Cyclohexane
Concen: Below Cal
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Instrument :
MSVOA_N
ClientSampleId :

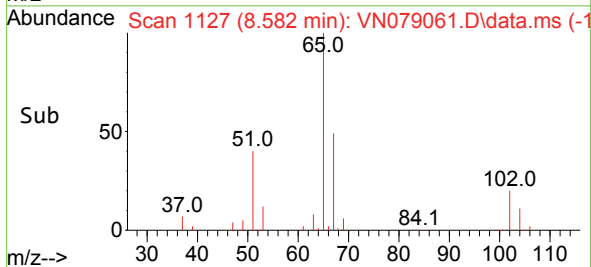
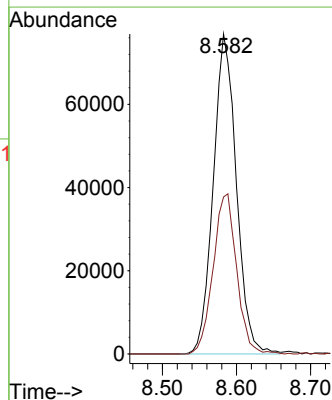
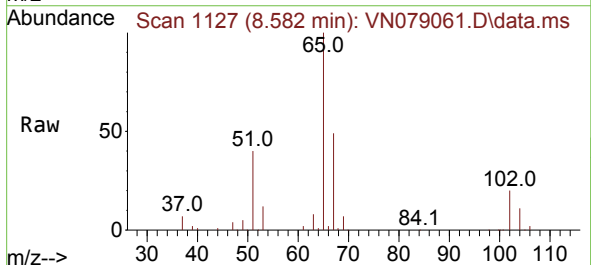


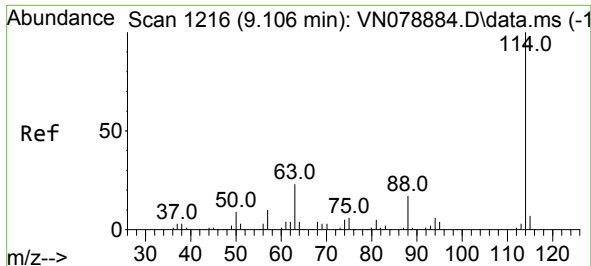
Tgt Ion: 56 Resp: 6091
Ion Ratio Lower Upper
56 100
69 139.8 26.8 40.2#
84 133.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.813 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Tgt Ion: 65 Resp: 166295
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# 11

Delta R.T. -0.006 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

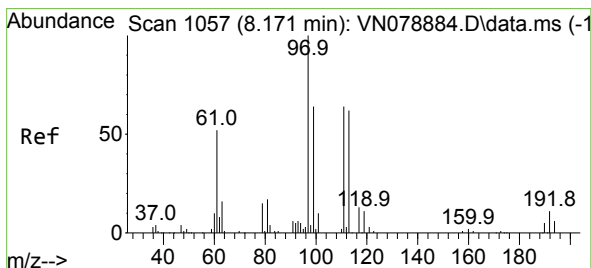
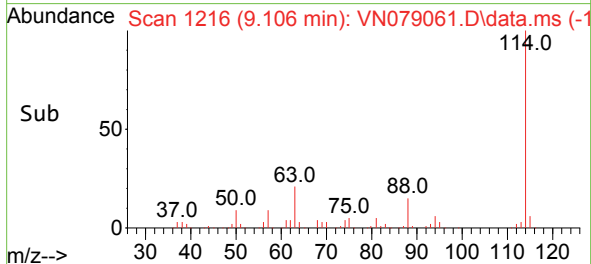
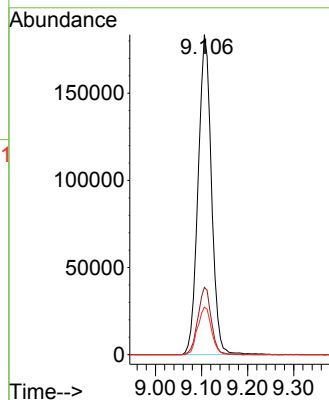
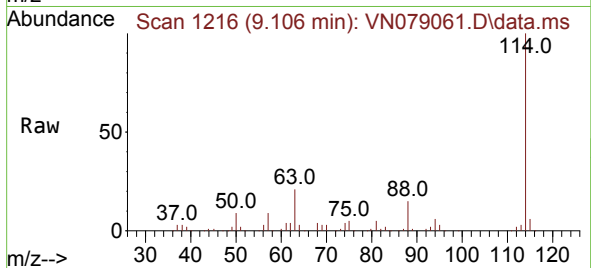
Tgt Ion:114 Resp: 369663

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.290 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

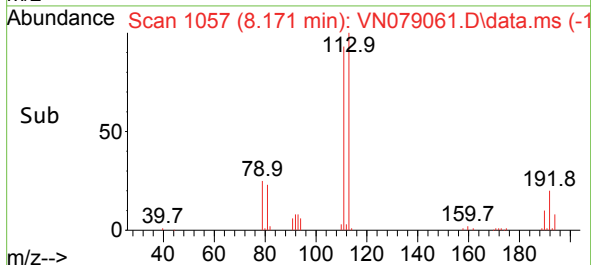
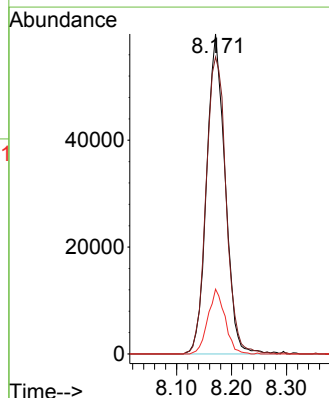
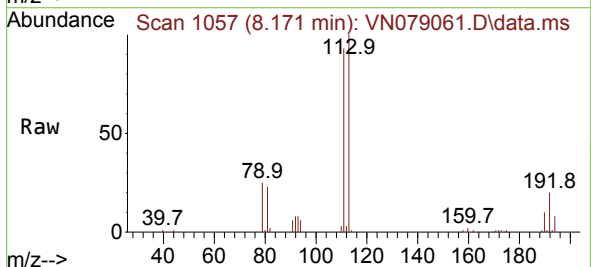
Tgt Ion:113 Resp: 140071

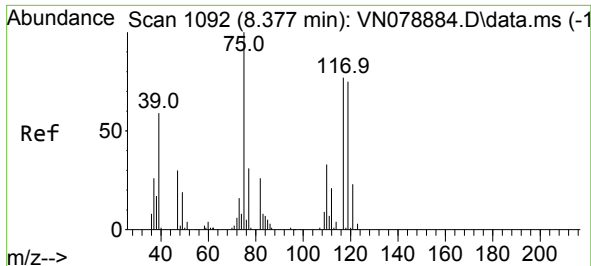
Ion Ratio Lower Upper

113 100

111 100.4 82.6 123.8

192 18.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.146 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079061.D

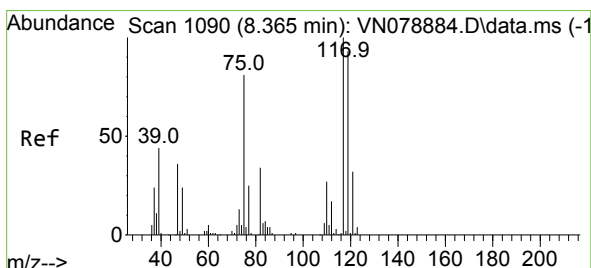
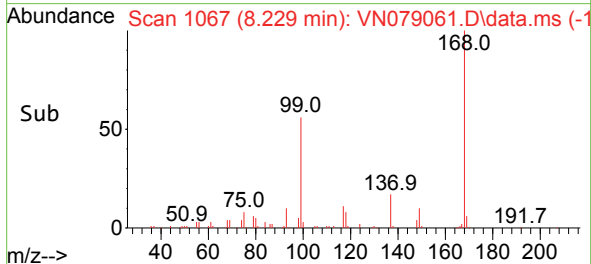
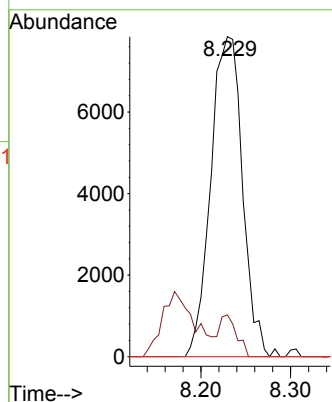
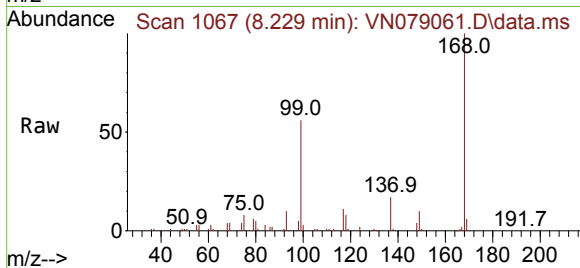
Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	19264
Ion Ratio	Lower	Upper	
75	100		
110	7.5	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.604 ug/l

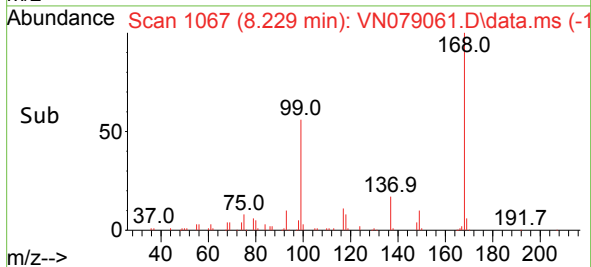
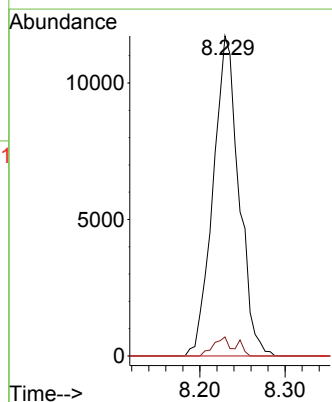
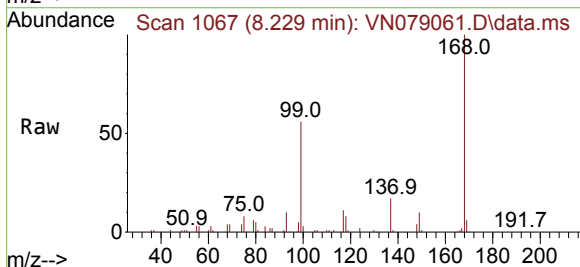
RT: 8.229 min Scan# 1067

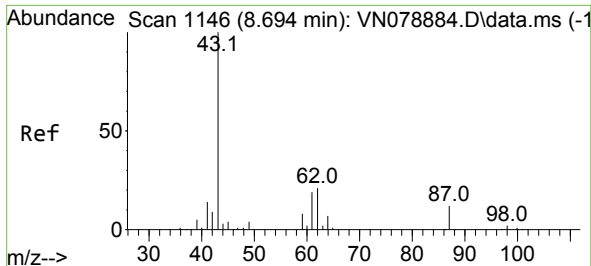
Delta R.T. -0.142 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Tgt Ion:	117	Resp:	24770
Ion Ratio	Lower	Upper	
117	100		
119	5.9	77.3	115.9#
121	0.0	23.3	34.9#





#43

Isopropyl Acetate

Concen: 0.248 ug/l

RT: 8.735 min Scan# 1146

Delta R.T. 0.041 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

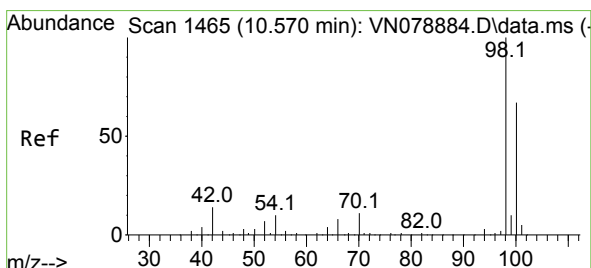
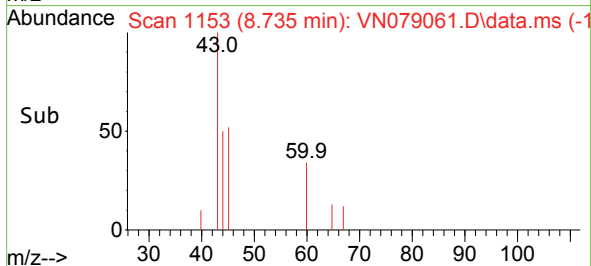
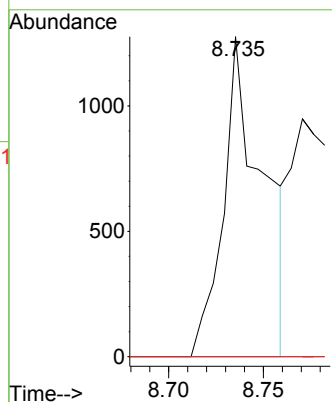
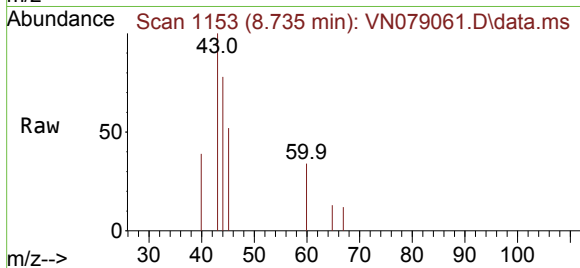
Tgt Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#



#50

Toluene-d8

Concen: 48.179 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079061.D

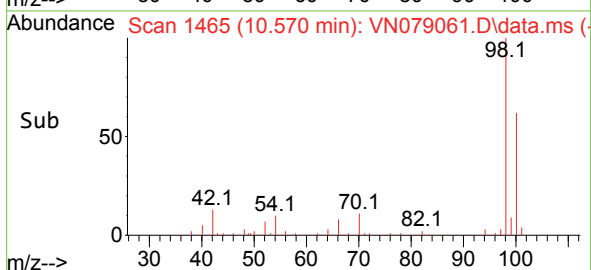
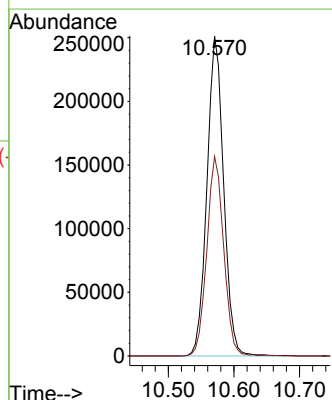
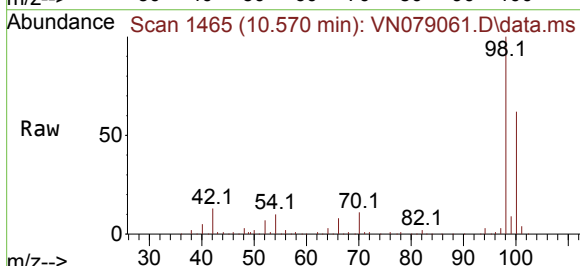
Acq: 28 Aug 2023 12:34

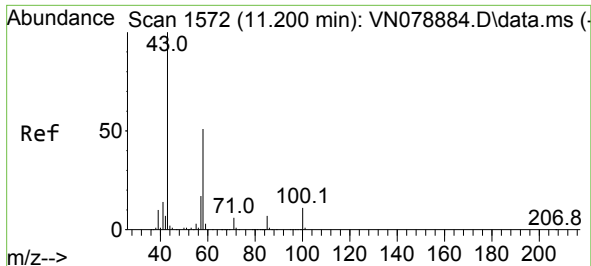
Tgt Ion: 98 Resp: 445154

Ion Ratio Lower Upper

98 100

100 63.0 52.0 78.0

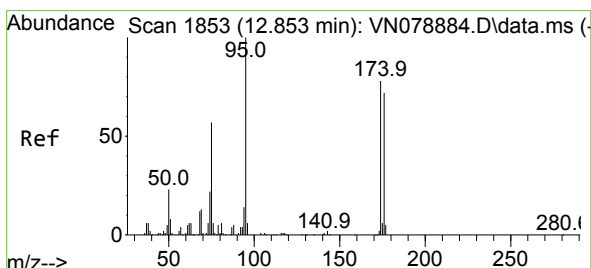
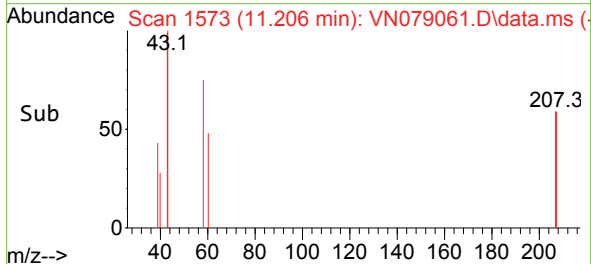
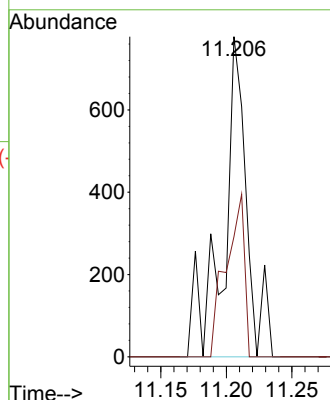
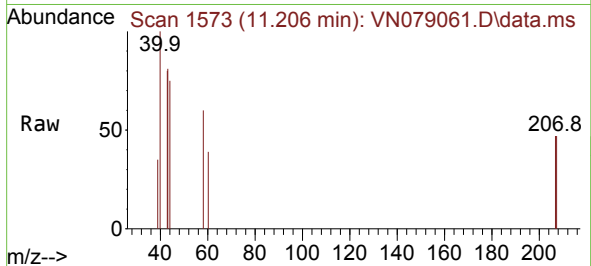




#59
2-Hexanone
Concen: 0.303 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

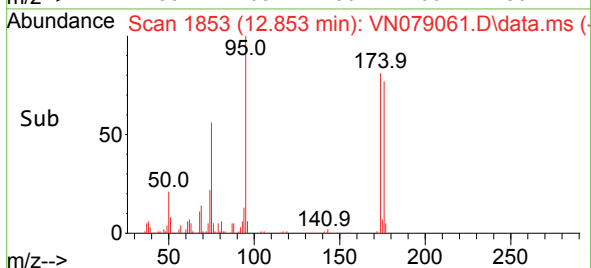
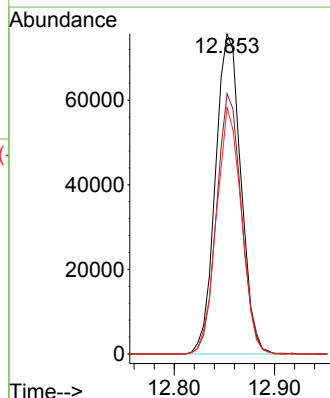
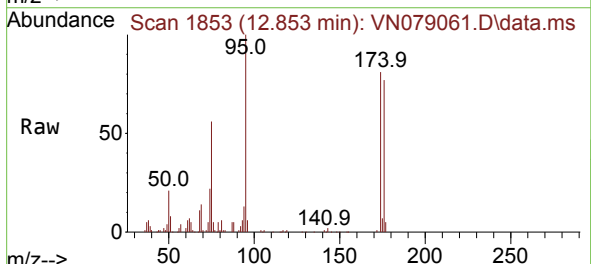
Instrument :
MSVOA_N
ClientSampleId :

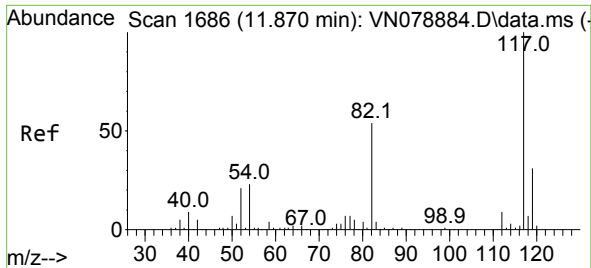
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 40.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 44.094 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Tgt Ion: 95 Resp: 133167
Ion Ratio Lower Upper
95 100
174 79.8 0.0 143.8
176 75.7 0.0 135.8

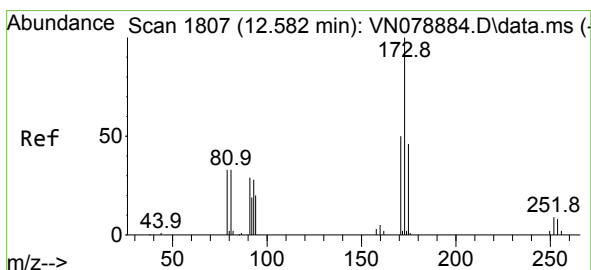
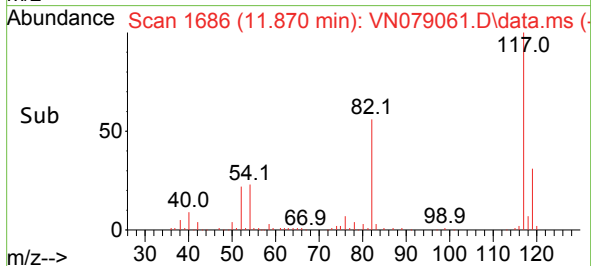
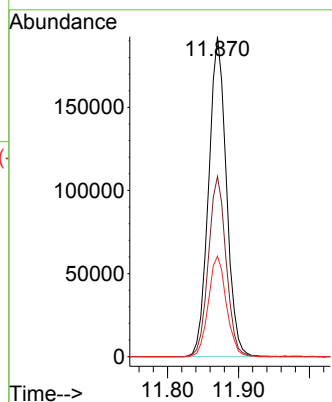
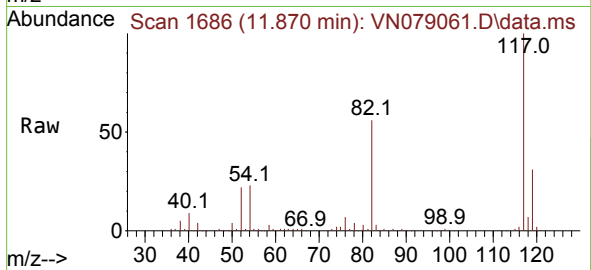




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

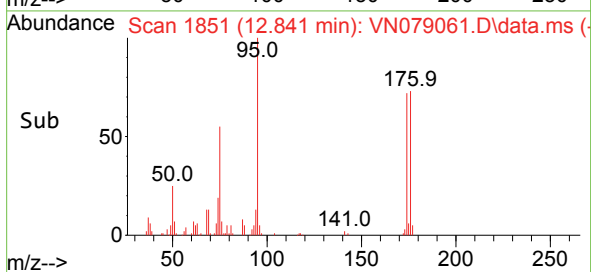
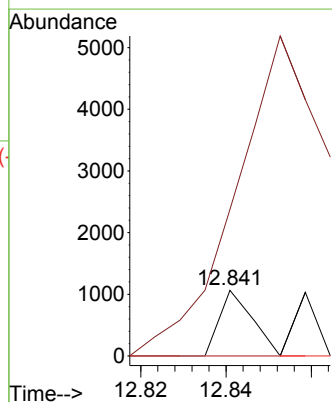
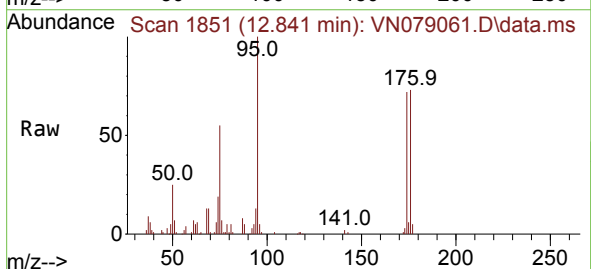
Instrument :
MSVOA_N
ClientSampleId :

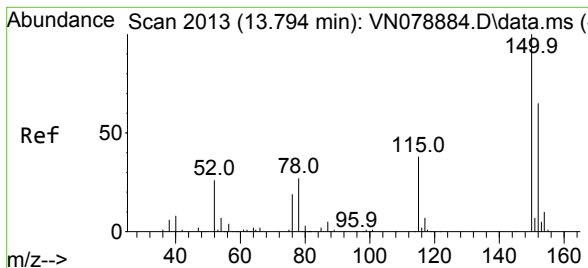
Tgt Ion:117 Resp: 334418
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 31.4 25.6 38.4



#71
Bromoform
Concen: 0.292 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

Tgt Ion:173 Resp: 572
Ion Ratio Lower Upper
173 100
175 1074.1 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN079061.D

Acq: 28 Aug 2023 12:34

Instrument :

MSVOA_N

ClientSampleId :

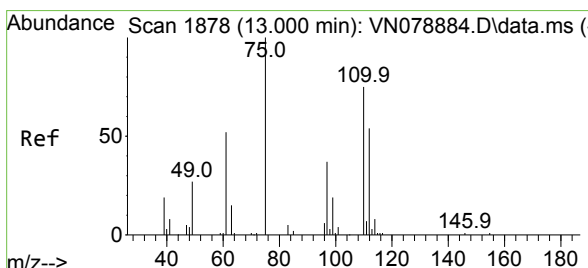
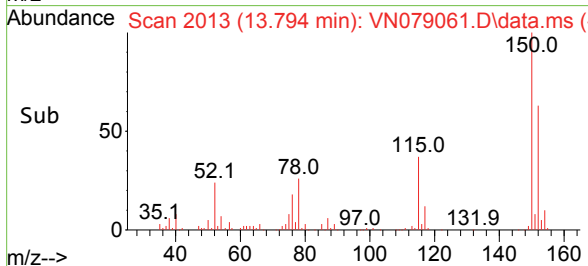
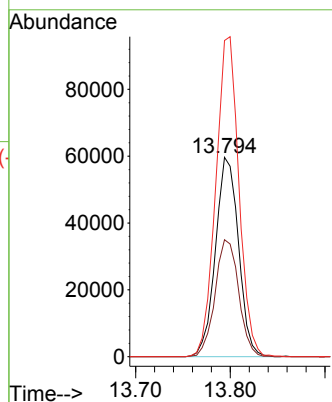
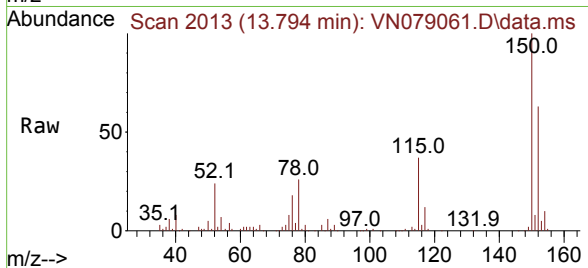
Tgt Ion:152 Resp: 100780

Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 160.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 30.624 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079061.D

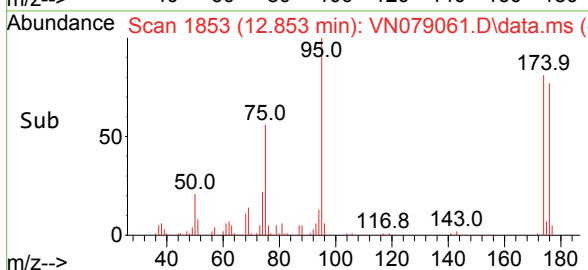
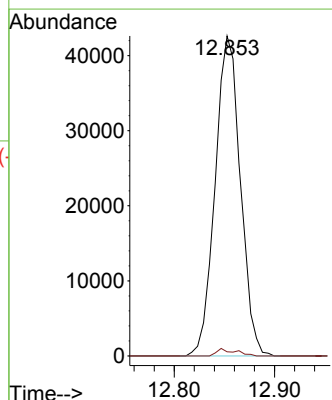
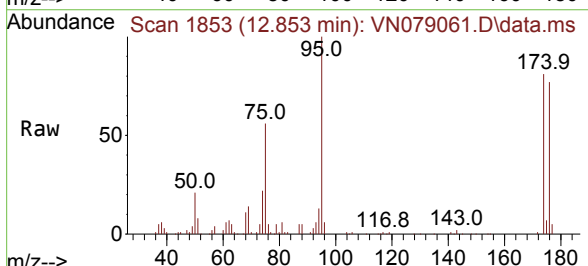
Acq: 28 Aug 2023 12:34

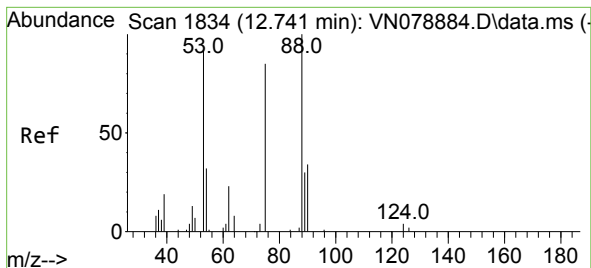
Tgt Ion: 75 Resp: 74364

Ion Ratio Lower Upper

75 100

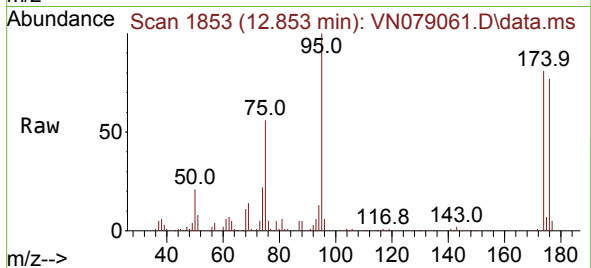
77 1.7 84.5 253.5#



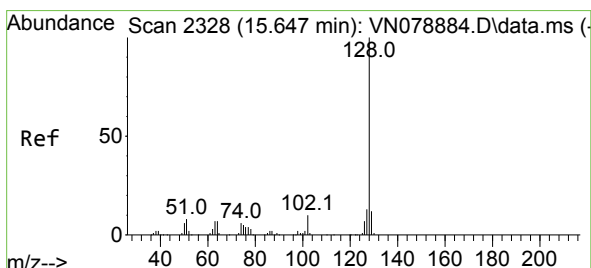
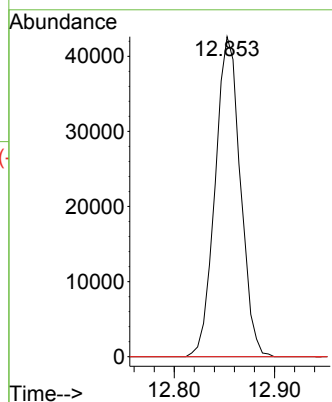
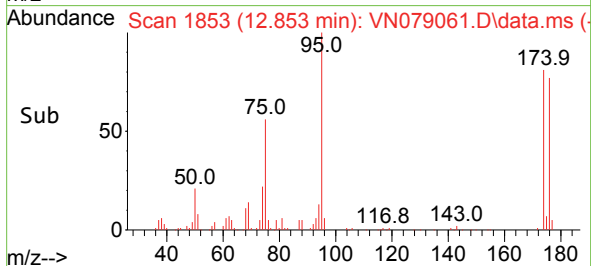


#81
trans-1,4-Dichloro-2-butene
Concen: 78.231 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34

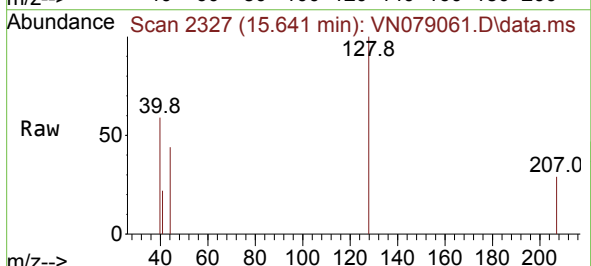
Instrument :
MSVOA_N
ClientSampleId :



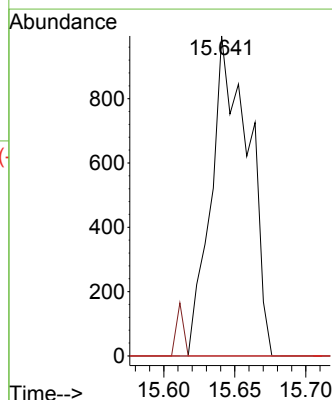
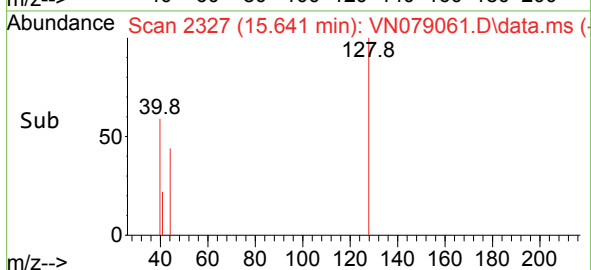
Tgt Ion: 75 Resp: 74364
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

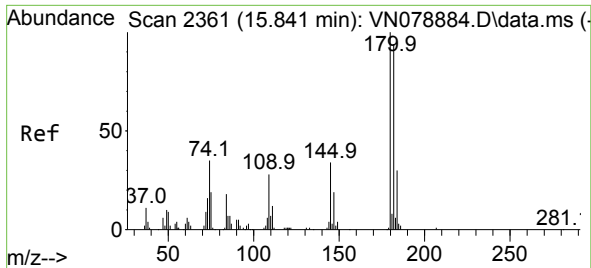


#95
Naphthalene
Concen: 2.949 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN079061.D
Acq: 28 Aug 2023 12:34



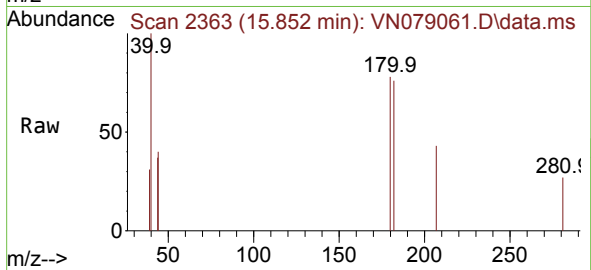
Tgt Ion: 128 Resp: 1834
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.350 ug/l
 RT: 15.852 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VN079061.D
 Acq: 28 Aug 2023 12:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	470
Ion	Ratio	Lower	Upper
180	100		
182	48.7	46.2	138.6
145	0.0	17.5	52.6#

