

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079840.D
 Acq On : 03 Nov 2023 11:30
 Operator : JC\MD
 Sample : VN1103WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 00:48:52 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)

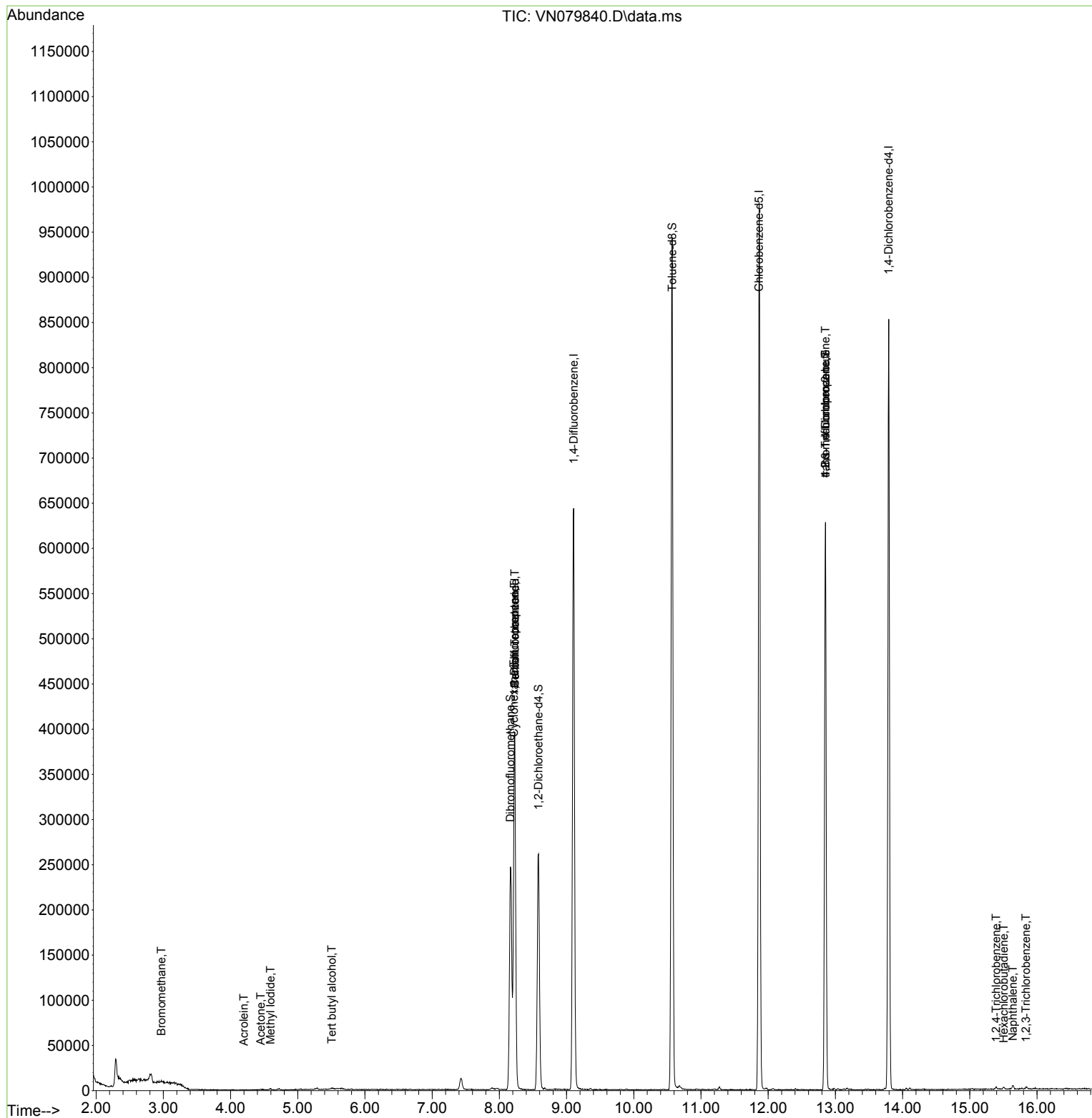
Internal Standards						
1) Pentafluorobenzene	8.229	168	276691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	541925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	537557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	215932	51.224	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.440%	
35) Dibromofluoromethane	8.165	113	181210	47.245	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.500%	
50) Toluene-d8	10.570	98	633246	44.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.700%	
62) 4-Bromofluorobenzene	12.853	95	211524	45.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1546	Below Cal	#	60
5) Bromomethane	2.971	94	1339	0.505	ug/l	92
10) Methyl Iodide	4.594	142	1690	0.470	ug/l #	56
11) Tert butyl alcohol	5.506	59	555	1.031	ug/l #	72
13) Acrolein	4.200	56	57	2.692	ug/l #	1
16) Acetone	4.447	43	457	0.309	ug/l #	40
31) Cyclohexane	8.218	56	7453	1.338	ug/l #	36
36) 1,1-Dichloropropene	8.223	75	26240	4.791	ug/l #	47
38) Carbon Tetrachloride	8.229	117	29735	5.387	ug/l #	16
76) 1,2,3-Trichloropropane	12.853	75	117520	23.612	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117520	64.243	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	862	0.262	ug/l	71
94) Hexachlorobutadiene	15.505	225	763	0.512	ug/l #	60
95) Naphthalene	15.641	128	4320	0.387	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.835	180	1126	0.349	ug/l #	89

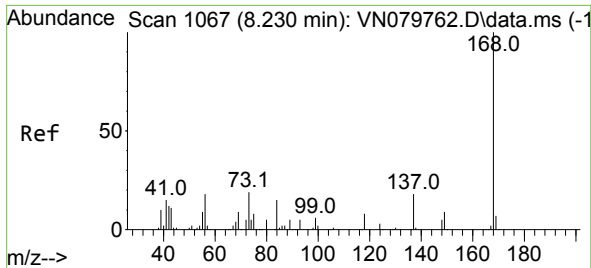
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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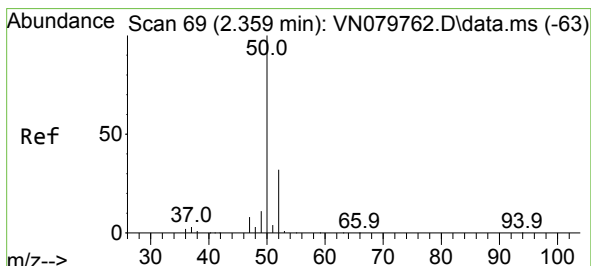
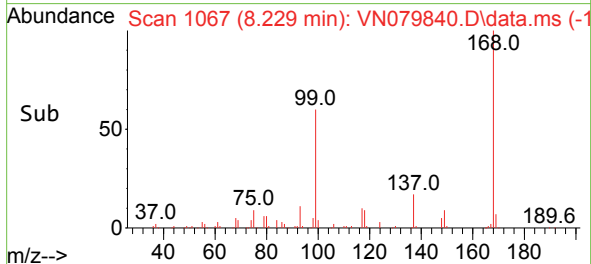
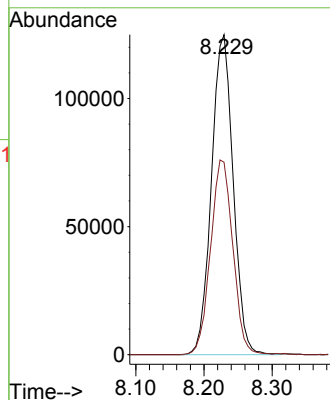
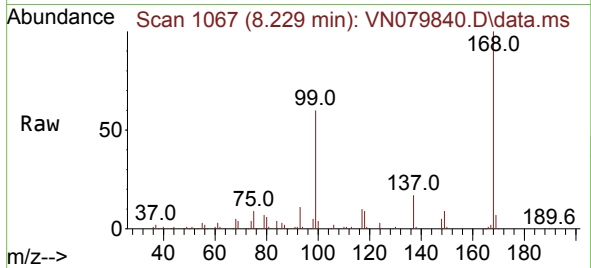




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

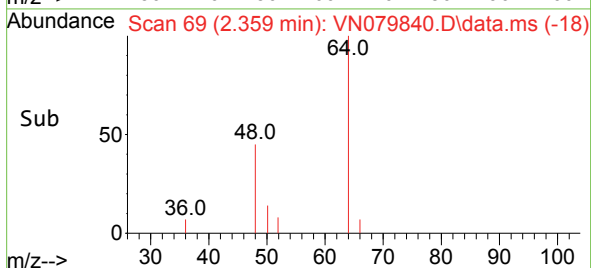
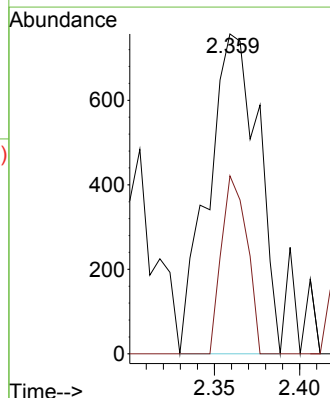
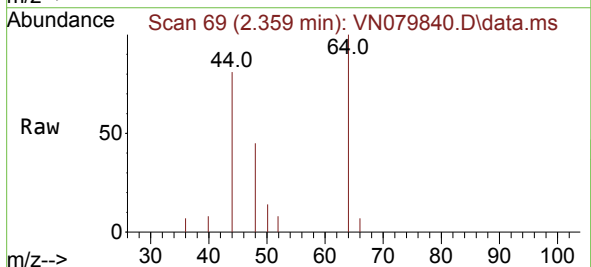
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 276691
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Tgt Ion: 50 Resp: 1546
Ion Ratio Lower Upper
50 100
52 55.6 26.5 39.7#

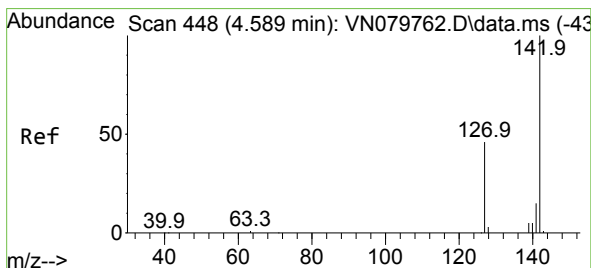
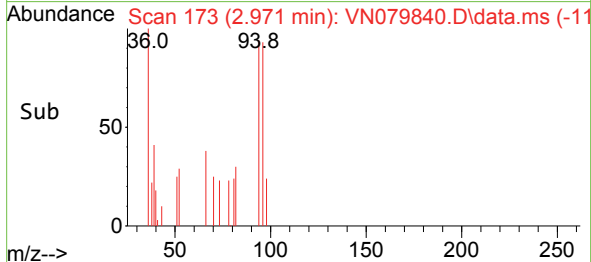
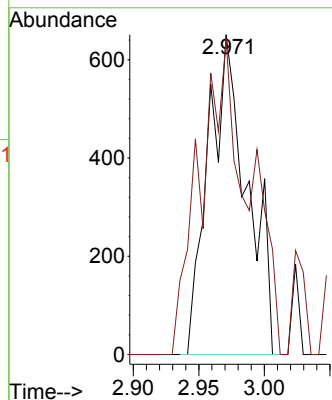
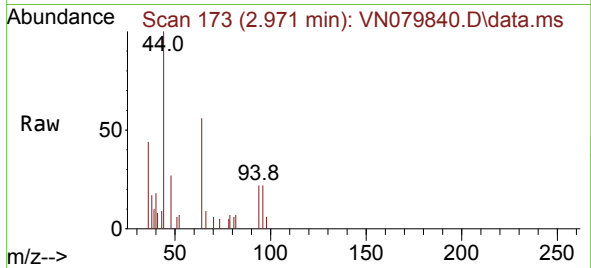




#5
Bromomethane
Concen: 0.505 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

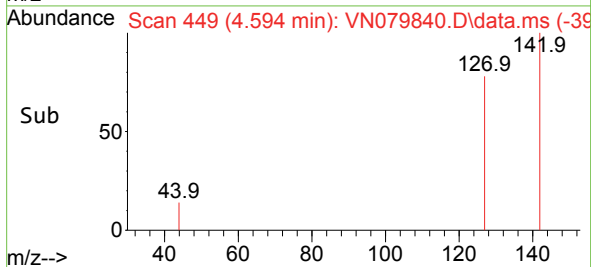
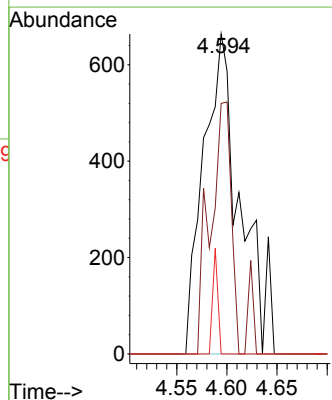
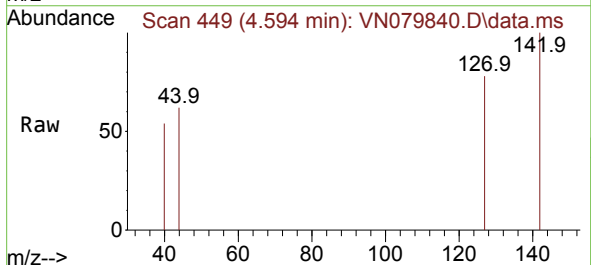
Instrument :
MSVOA_N
ClientSampleId :

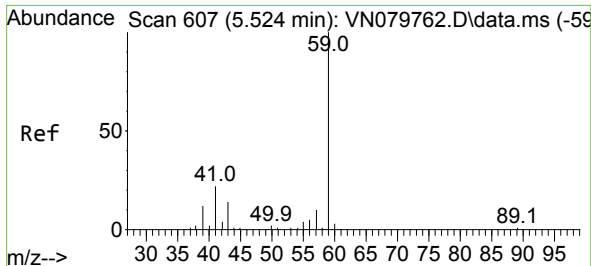
Tgt Ion: 94 Resp: 1339
Ion Ratio Lower Upper
94 100
96 98.6 73.1 109.7



#10
Methyl Iodide
Concen: 0.470 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Tgt Ion:142 Resp: 1690
Ion Ratio Lower Upper
142 100
127 78.3 37.6 56.4#
141 0.0 11.4 17.0#

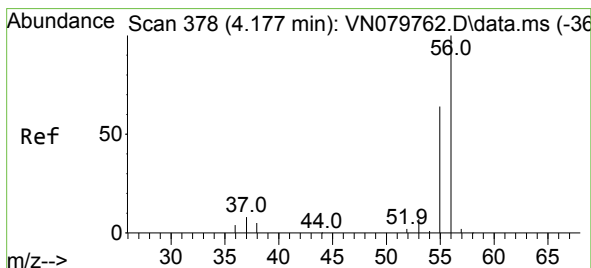
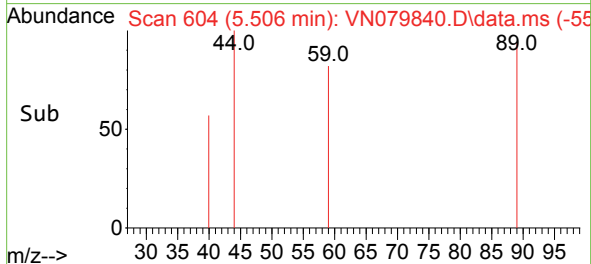
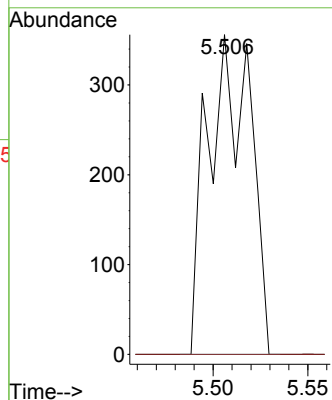
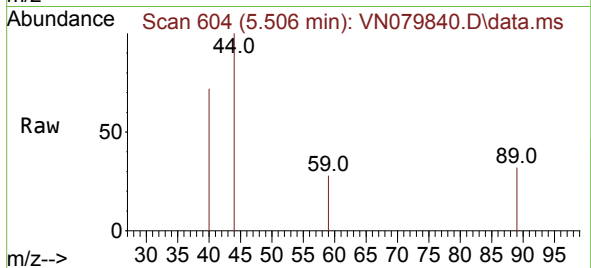




#11
Tert butyl alcohol
Concen: 1.031 ug/l
RT: 5.506 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

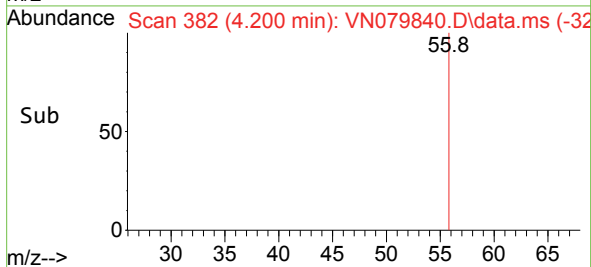
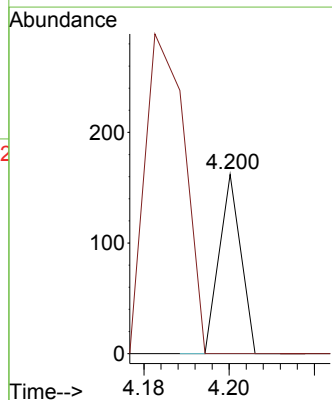
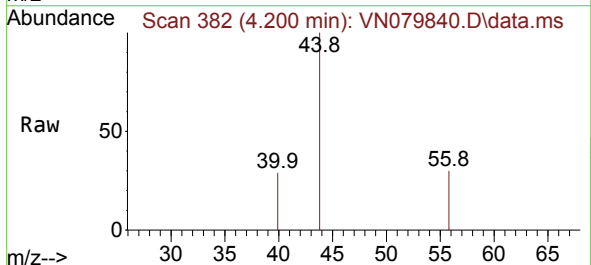
Instrument :
MSVOA_N
ClientSampleId :

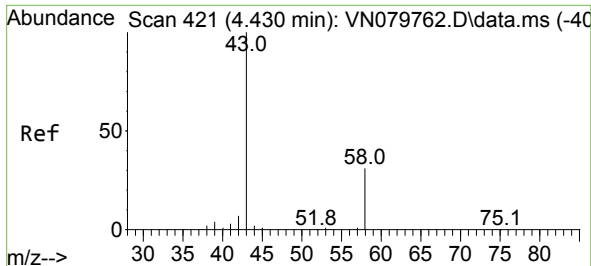
Tgt Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.692 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.017 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 326.3 54.5 81.7#

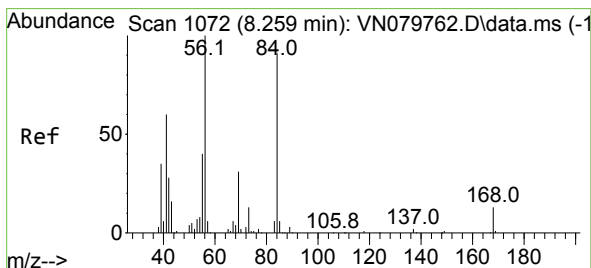
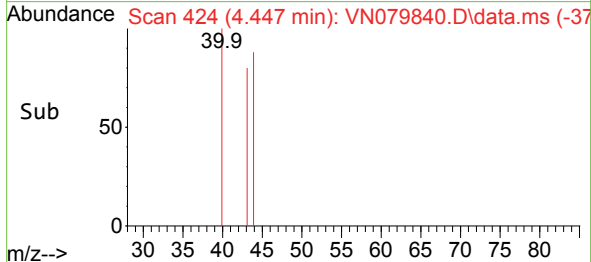
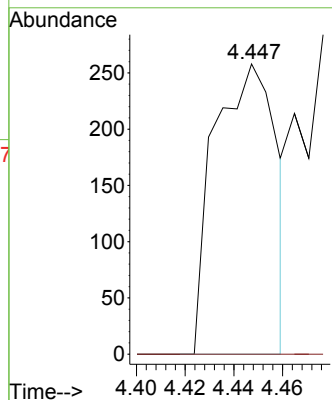
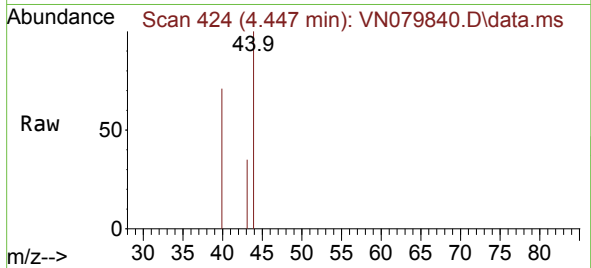




#16
Acetone
Concen: 0.309 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

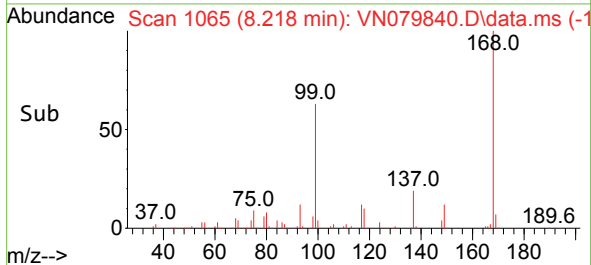
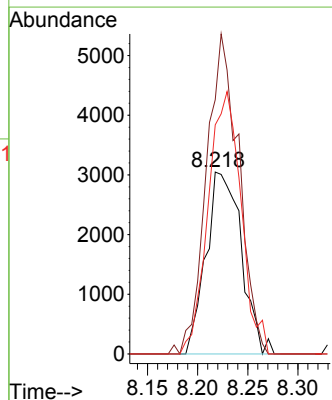
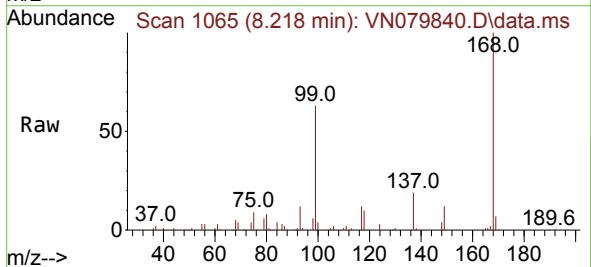
Instrument :
MSVOA_N
ClientSampleId :

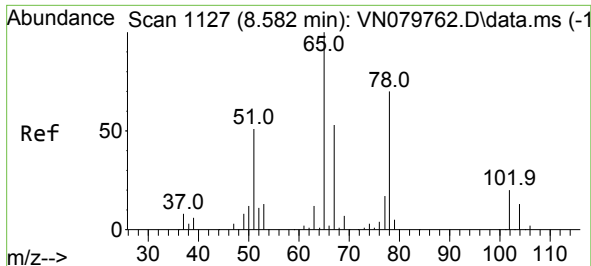
Tgt Ion: 43 Resp: 457
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Tgt Ion: 56 Resp: 7453
Ion Ratio Lower Upper
56 100
69 139.8 26.8 40.2#
84 125.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.224 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079840.D

Acq: 03 Nov 2023 11:30

Instrument :

MSVOA_N

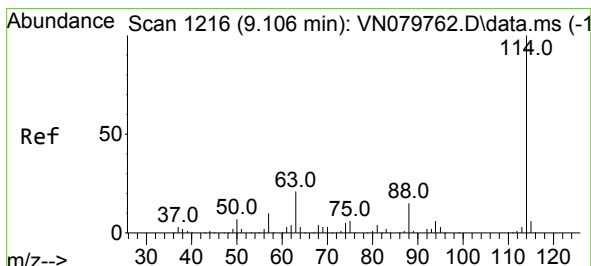
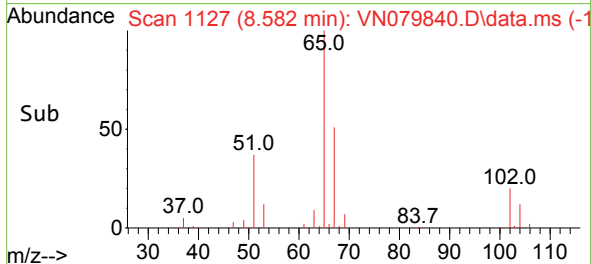
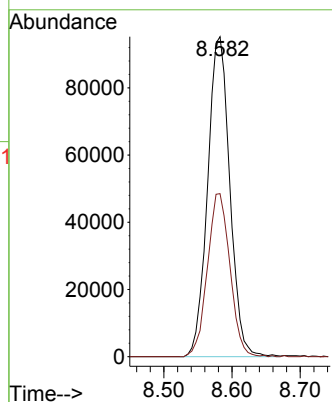
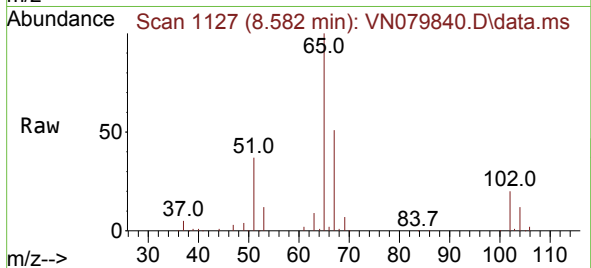
ClientSampleId :

Tgt Ion: 65 Resp: 215932

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079840.D

Acq: 03 Nov 2023 11:30

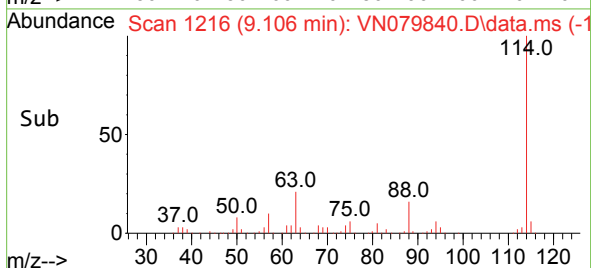
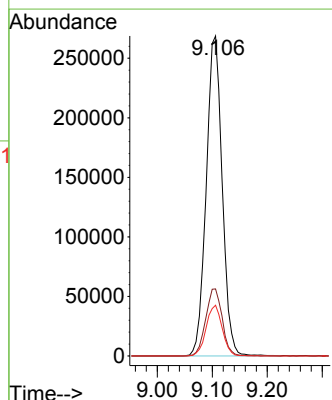
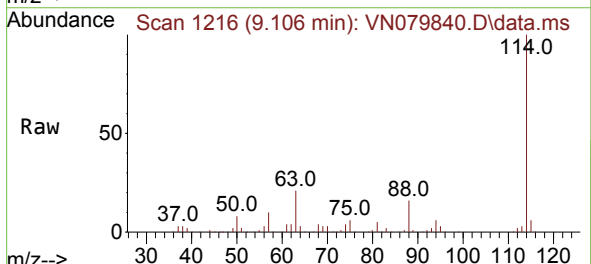
Tgt Ion: 114 Resp: 541925

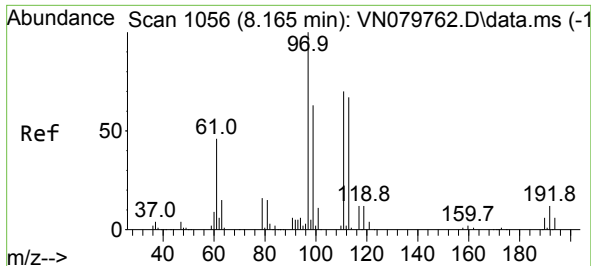
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

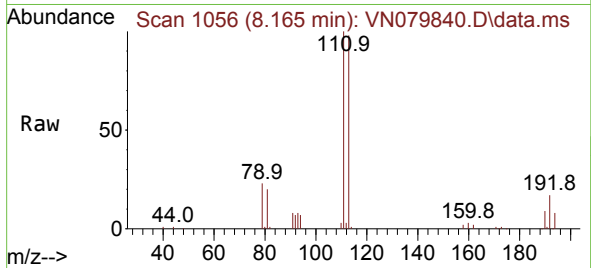
88 15.8 0.0 30.6



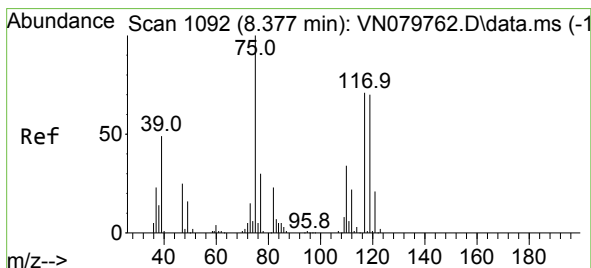
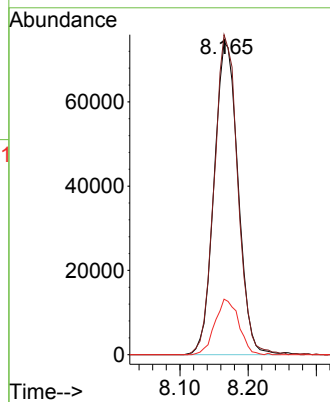
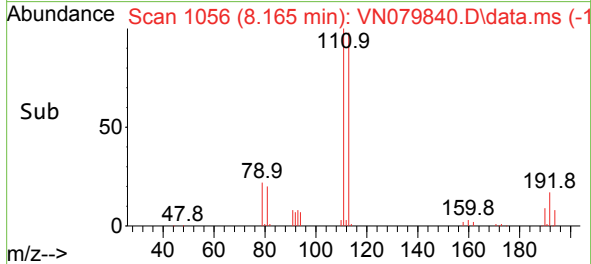


#35
Dibromofluoromethane
Concen: 47.245 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Instrument :
MSVOA_N
ClientSampleId :

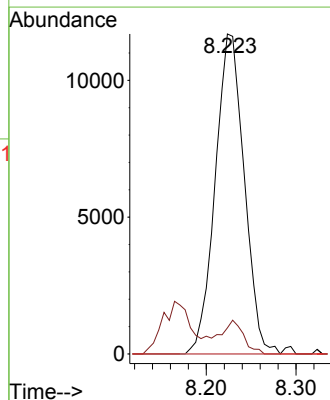
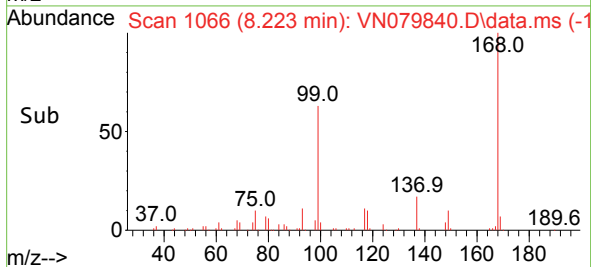
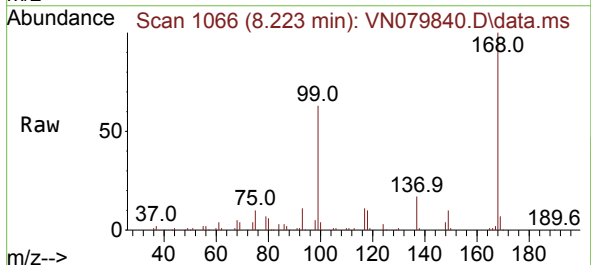


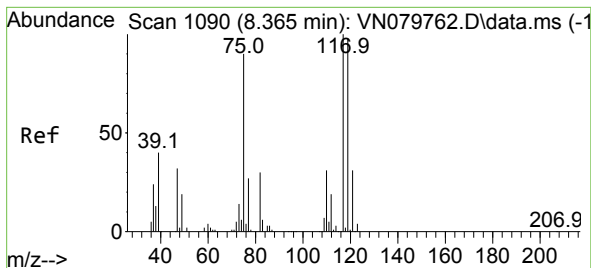
Tgt Ion:113 Resp: 181210
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

Tgt Ion: 75 Resp: 26240
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.387 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.130 min

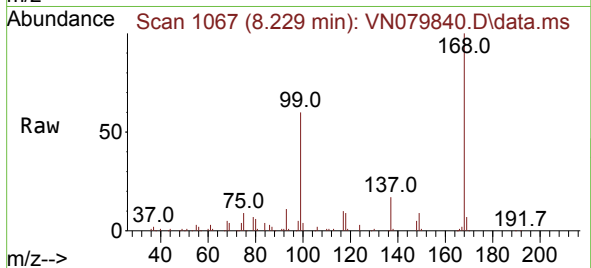
Lab File: VN079840.D

Acq: 03 Nov 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :



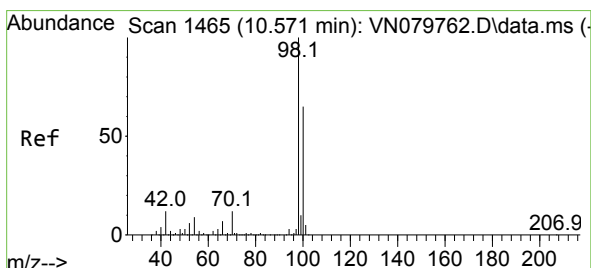
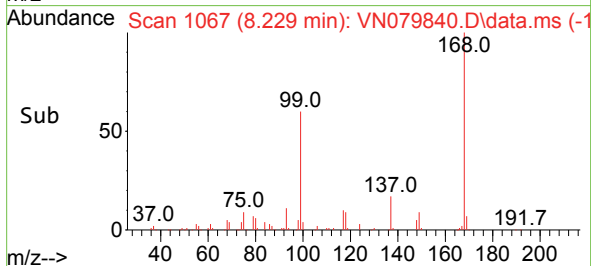
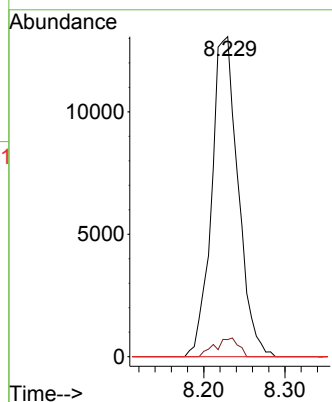
Tgt Ion:117 Resp: 29735

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 44.848 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079840.D

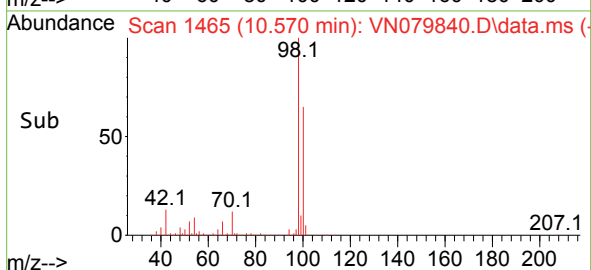
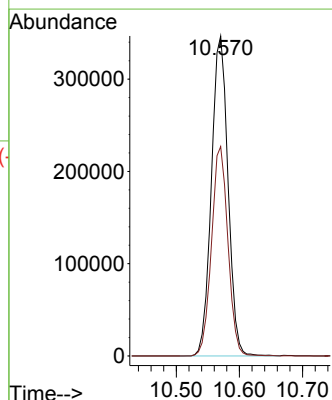
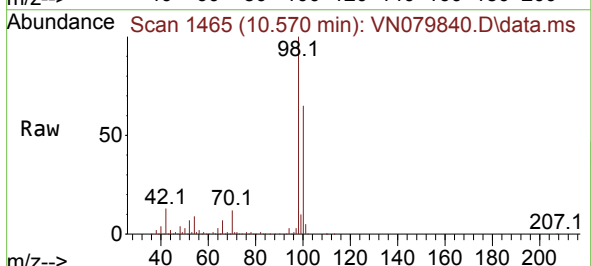
Acq: 03 Nov 2023 11:30

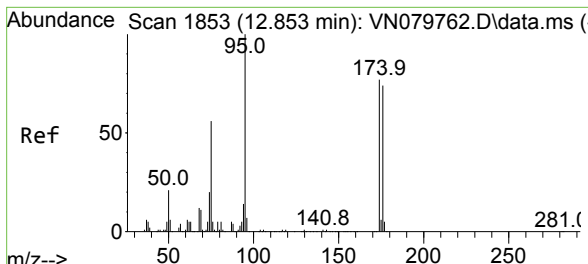
Tgt Ion: 98 Resp: 633246

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

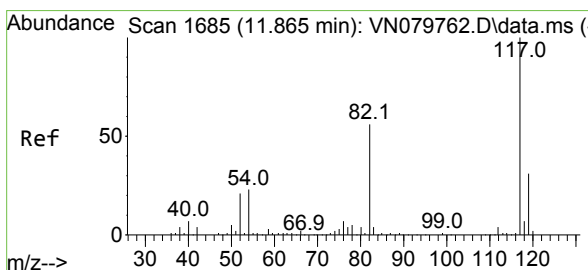
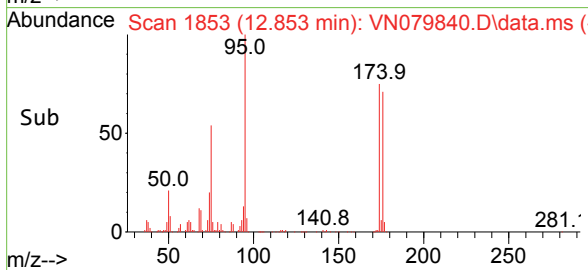
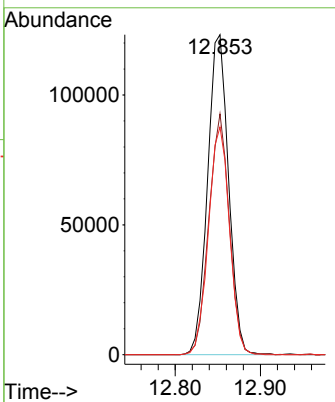
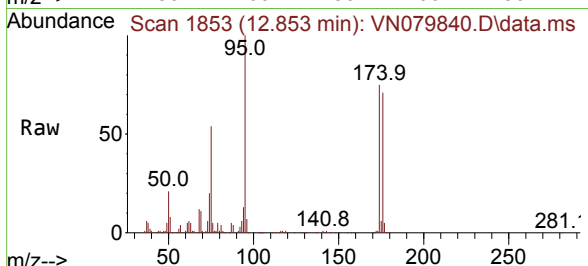




#62
 4-Bromofluorobenzene
 Concen: 45.170 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079840.D
 Acq: 03 Nov 2023 11:30

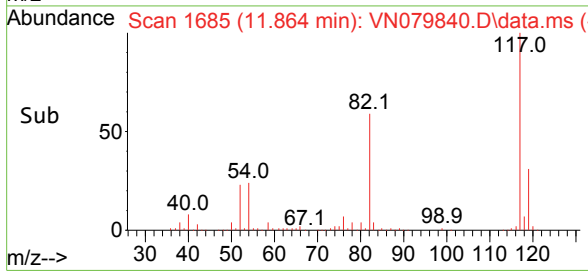
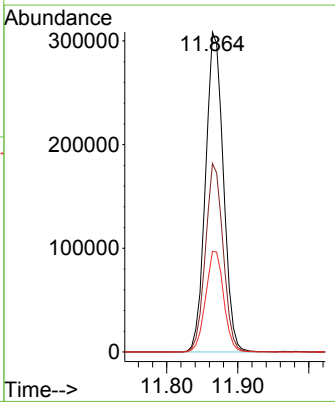
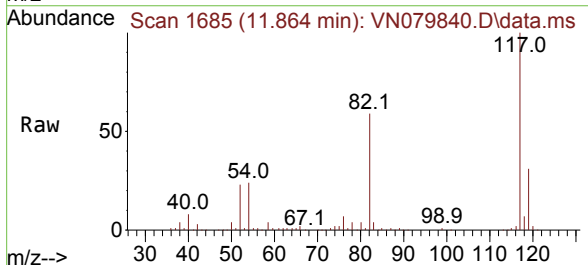
Instrument :
 MSVOA_N
 ClientSampleId :

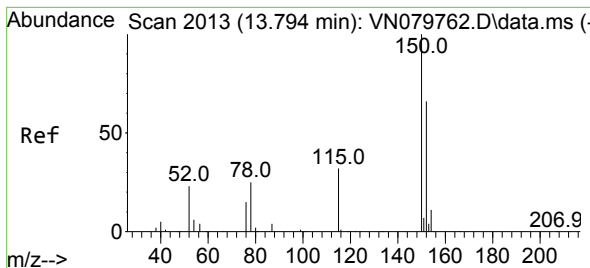
Tgt Ion:	95	Resp:	211524
Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	143.8
176	71.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.864 min Scan# 1685
 Delta R.T. -0.006 min
 Lab File: VN079840.D
 Acq: 03 Nov 2023 11:30

Tgt Ion:	117	Resp:	537557
Ion	Ratio	Lower	Upper
117	100		
82	58.9	44.0	66.0
119	31.4	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: VN079840.D

Acq: 03 Nov 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

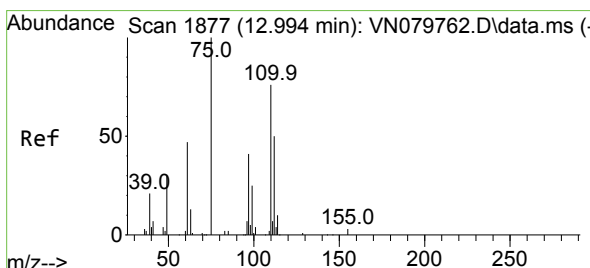
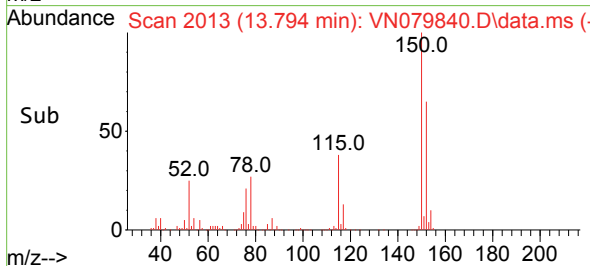
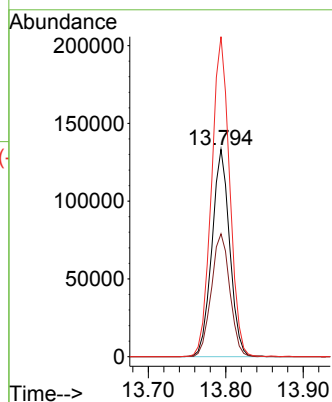
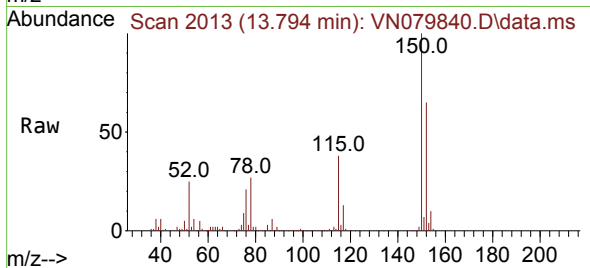
Tgt Ion:152 Resp: 212000

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 157.3 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 23.612 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079840.D

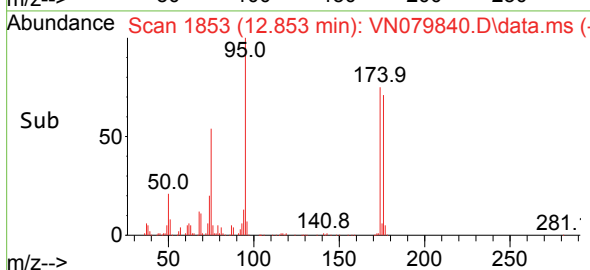
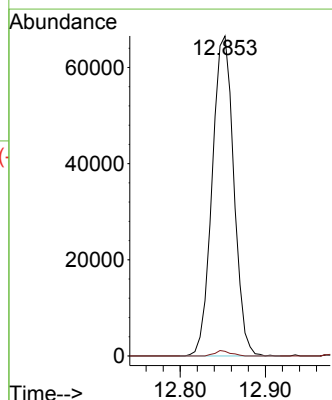
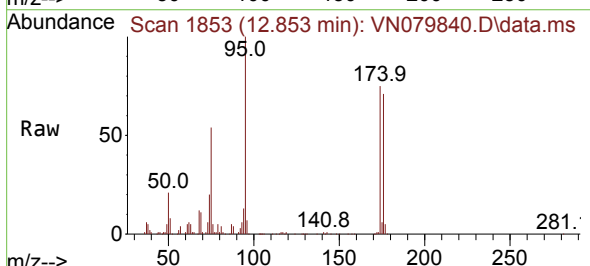
Acq: 03 Nov 2023 11:30

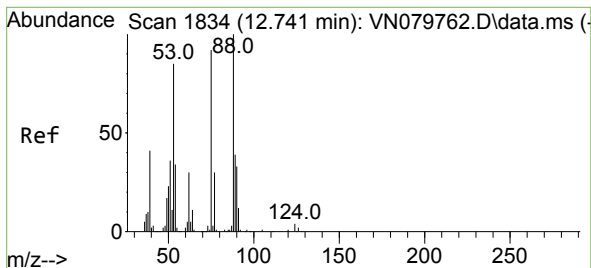
Tgt Ion: 75 Resp: 117520

Ion Ratio Lower Upper

75 100

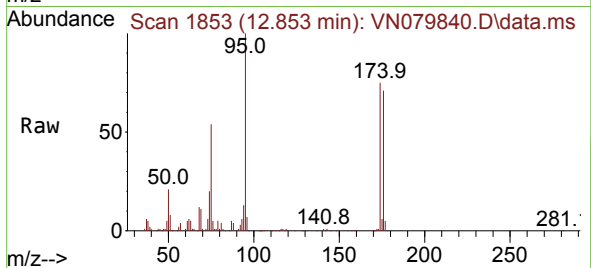
77 1.2 84.5 253.5#



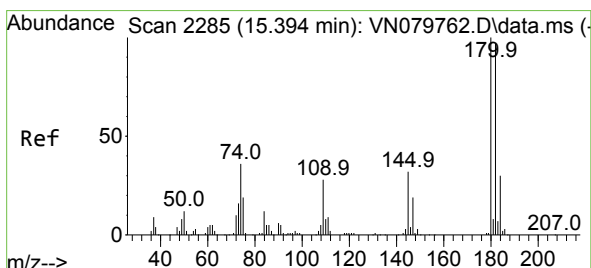
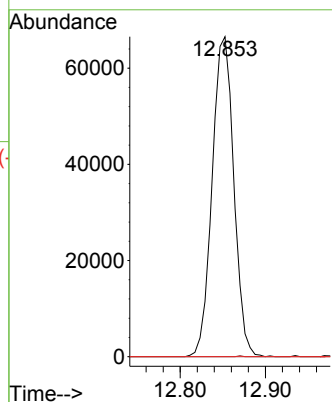
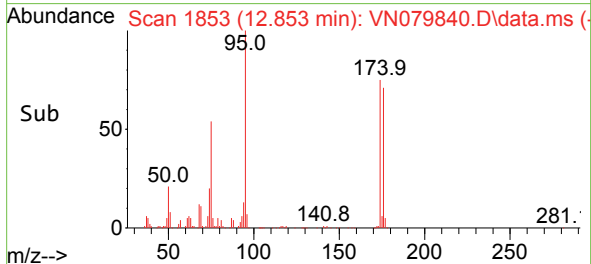


#81
trans-1,4-Dichloro-2-butene
Concen: 64.243 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30

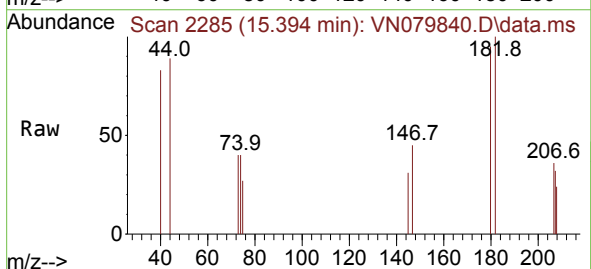
Instrument :
MSVOA_N
ClientSampleId :



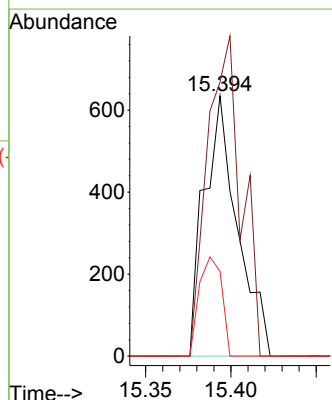
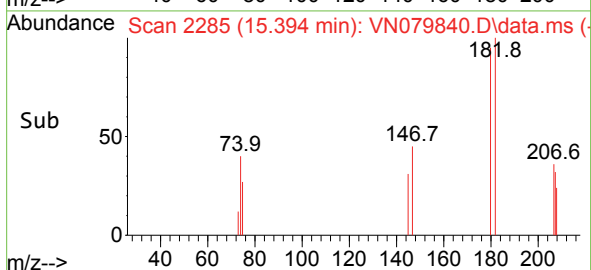
Tgt Ion: 75 Resp: 117520
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

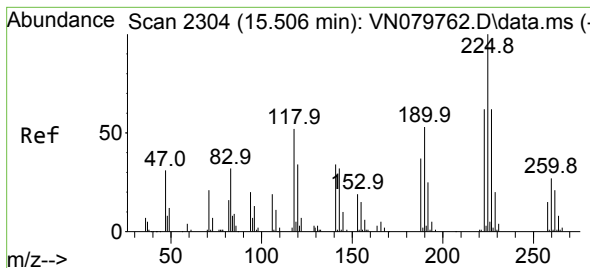


#93
1,2,4-Trichlorobenzene
Concen: 0.262 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.000 min
Lab File: VN079840.D
Acq: 03 Nov 2023 11:30



Tgt Ion:180 Resp: 862
Ion Ratio Lower Upper
180 100
182 124.9 46.1 138.2
145 25.8 16.6 49.8





#94

Hexachlorobutadiene

Concen: 0.512 ug/l

RT: 15.505 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079840.D

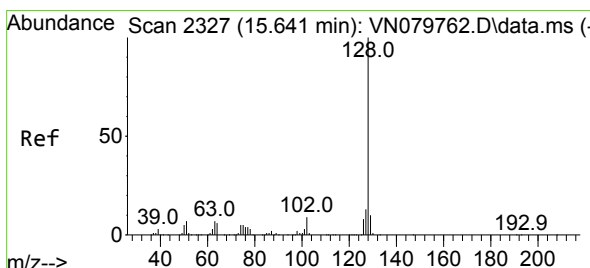
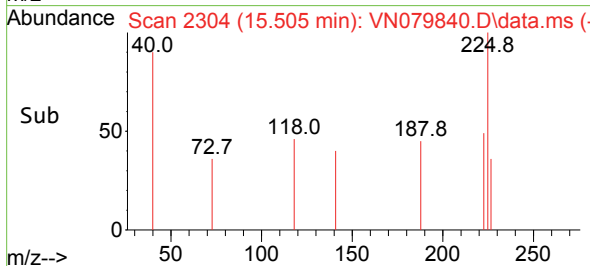
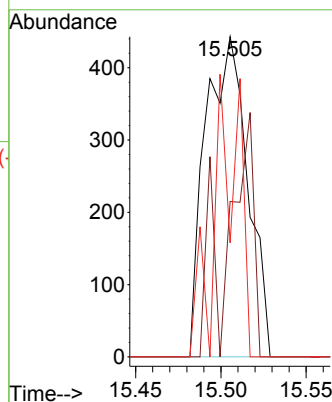
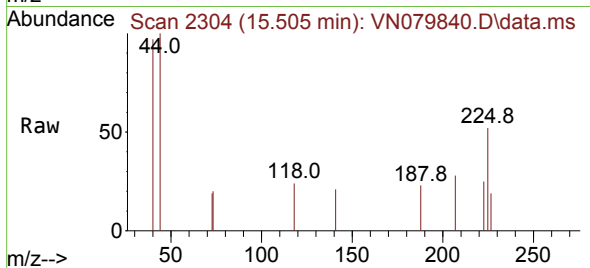
Acq: 03 Nov 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	225	Resp:	763
Ion	Ratio	Lower	Upper
225	100		
223	12.8	31.3	93.8#
227	51.5	31.9	95.9



#95

Naphthalene

Concen: 0.387 ug/l

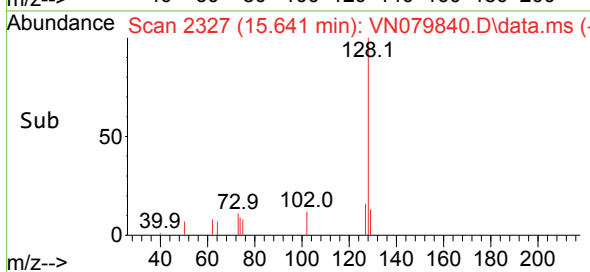
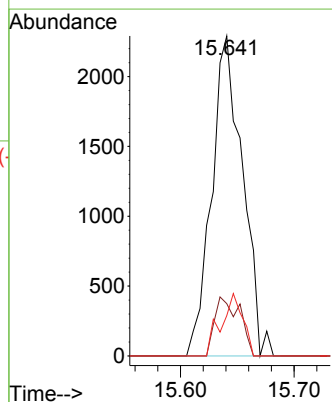
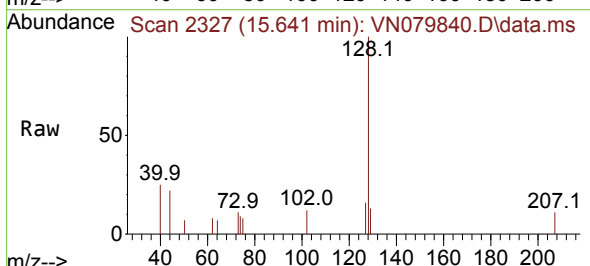
RT: 15.641 min Scan# 2327

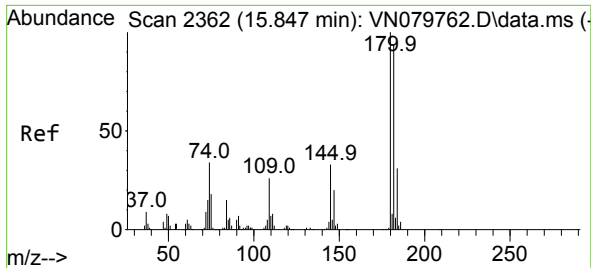
Delta R.T. -0.000 min

Lab File: VN079840.D

Acq: 03 Nov 2023 11:30

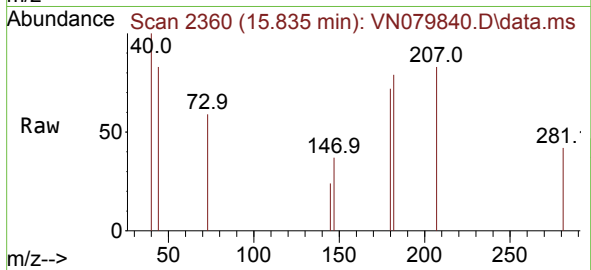
Tgt Ion:	128	Resp:	4320
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.0	15.0
129	13.8	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.349 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079840.D
 Acq: 03 Nov 2023 11:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1126
Ion	Ratio	Lower	Upper
180	100		
182	89.1	46.2	138.6
145	17.5	17.5	52.6#

