

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061623\
 Data File : VN078260.D
 Acq On : 16 Jun 2023 15:17
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 02:24:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

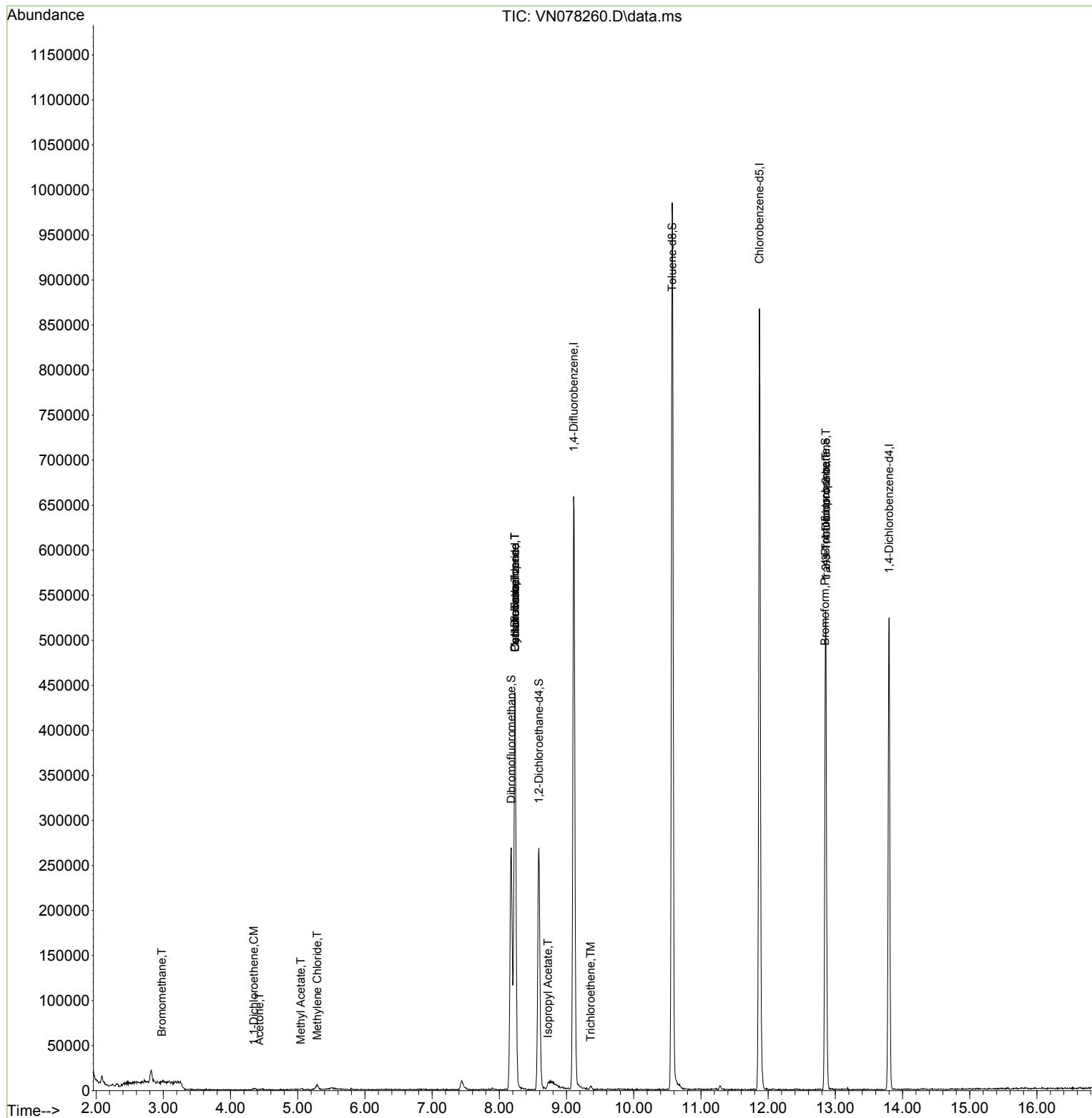
Internal Standards						
1) Pentafluorobenzene	8.236	168	311821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	583035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	510206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	140539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	223369	53.726	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.460%			
35) Dibromofluoromethane	8.177	113	194512	52.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	10.571	98	707536	49.786	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.853	95	194689	44.067	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.140%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1031	Below Cal	#	42
5) Bromomethane	2.977	94	1676	0.480	ug/l	96
12) 1,1-Dichloroethene	4.348	96	867	0.255	ug/l #	40
16) Acetone	4.430	43	320	0.267	ug/l #	40
18) Methyl Acetate	5.048	43	1641	0.298	ug/l #	66
20) Methylene Chloride	5.289	84	3612	0.913	ug/l #	85
31) Cyclohexane	8.236	56	7623	1.429	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	28021	5.299	ug/l #	50
38) Carbon Tetrachloride	8.236	117	34508	6.180	ug/l #	17
43) Isopropyl Acetate	8.724	43	5535	0.701	ug/l #	49
44) Trichloroethene	9.359	130	1612	0.387	ug/l	62
71) Bromoform	12.847	173	1512	0.583	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	147	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.859	75	104835	31.554	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	104835	96.944	ug/l #	15

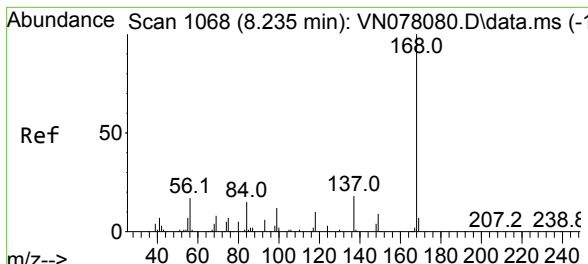
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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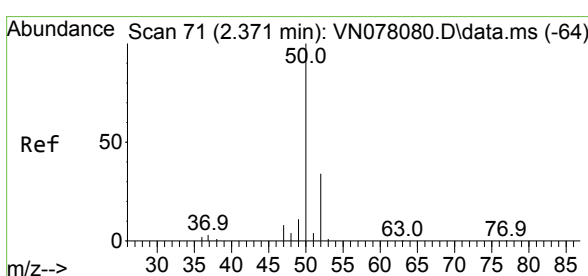
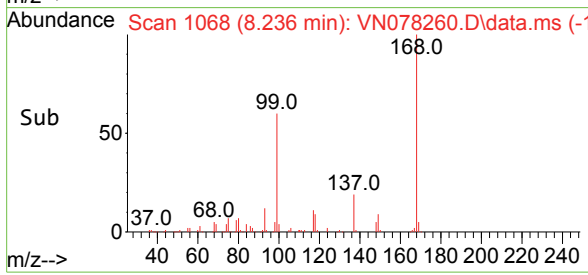
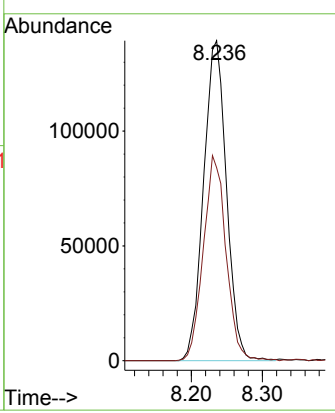
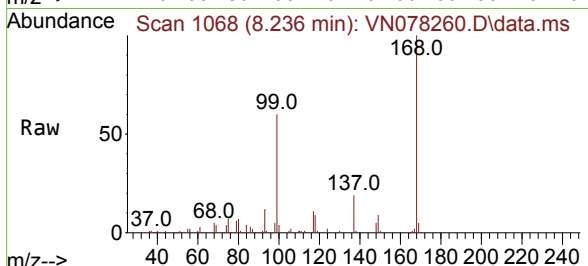


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. 0.001 min
 Lab File: VN078260.D
 Acq: 16 Jun 2023 15:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:168 Resp: 311821

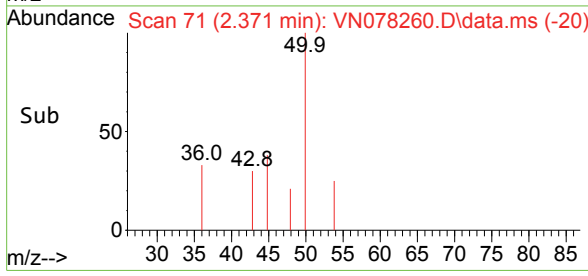
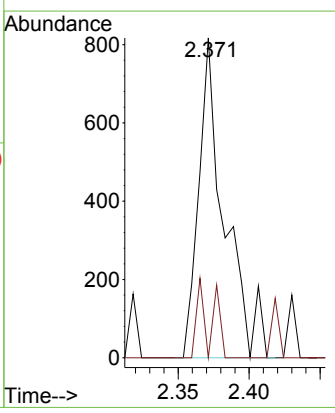
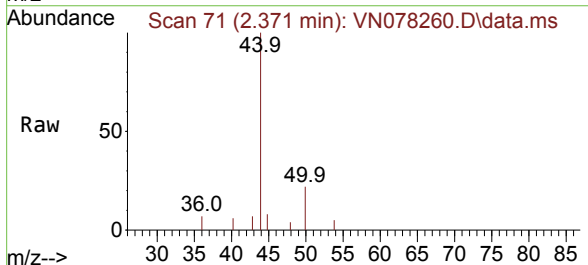
Ion	Ratio	Lower	Upper
168	100		
99	60.3	53.0	79.6

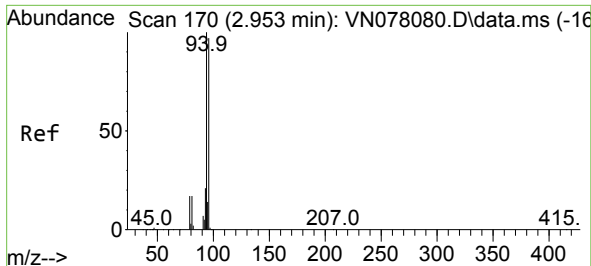


#3
 Chloromethane
 Concen: Below Cal
 RT: 2.371 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VN078260.D
 Acq: 16 Jun 2023 15:17

Tgt Ion: 50 Resp: 1031

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.5	39.7

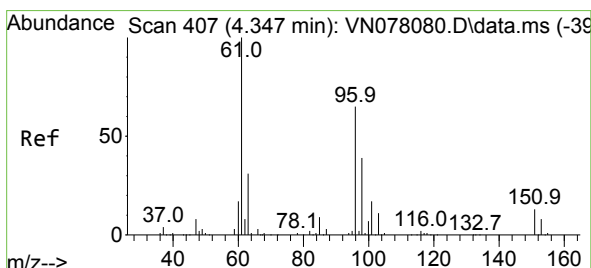
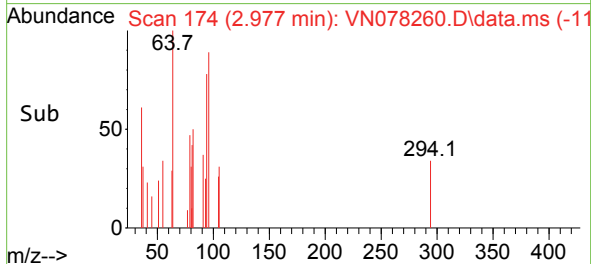
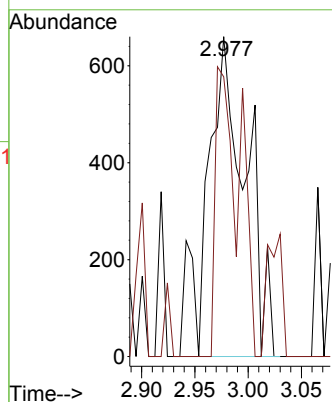
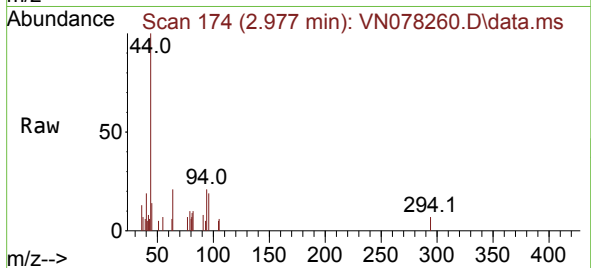




#5
Bromomethane
Concen: 0.480 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

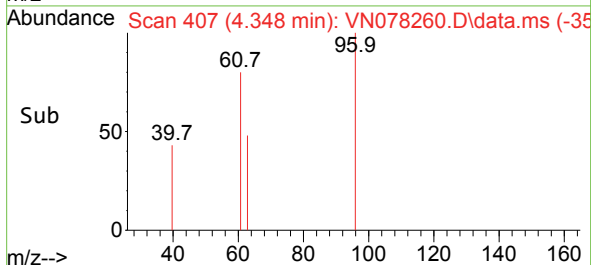
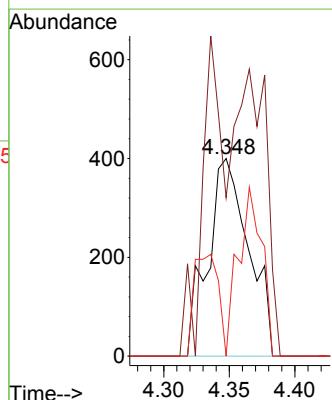
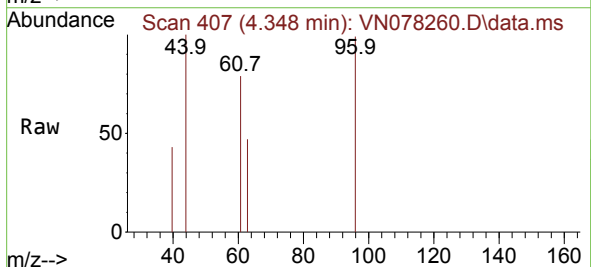
Instrument :
MSVOA_N
ClientSampleId :

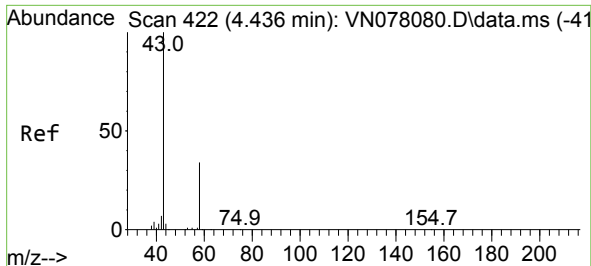
Tgt Ion: 94 Resp: 1676
Ion Ratio Lower Upper
94 100
96 87.4 73.1 109.7



#12
1,1-Dichloroethene
Concen: 0.255 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.000 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

Tgt Ion: 96 Resp: 867
Ion Ratio Lower Upper
96 100
61 80.3 112.7 169.1#
98 0.0 51.2 76.8#

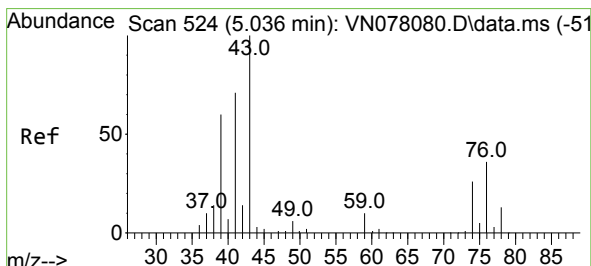
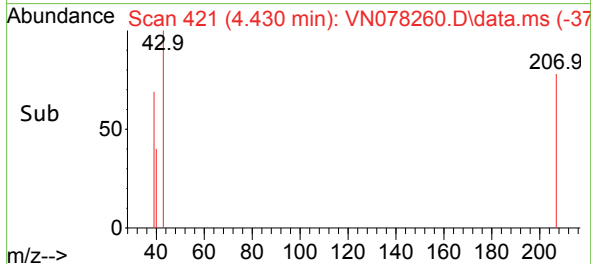
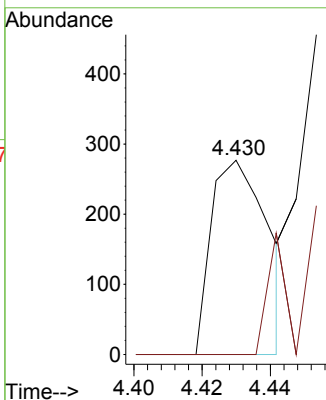
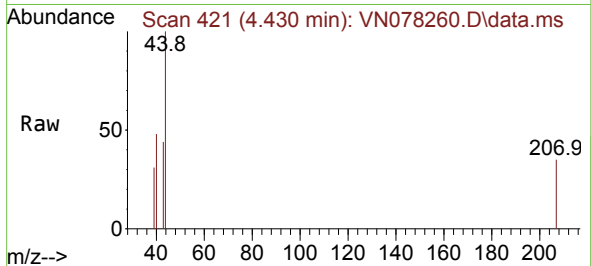




#16
Acetone
Concen: 0.267 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

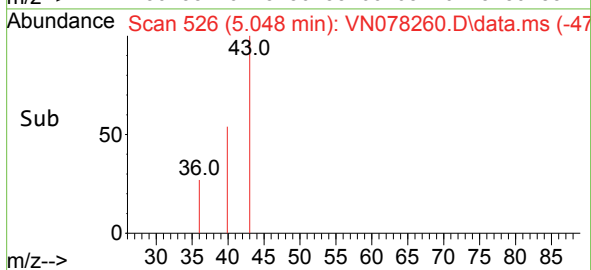
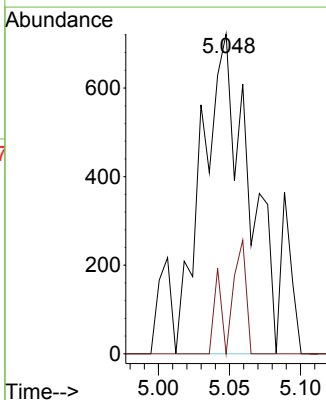
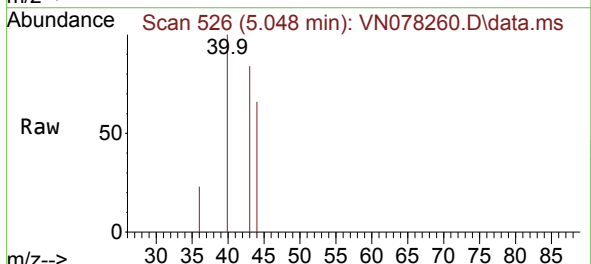
Instrument :
MSVOA_N
ClientSampleId :

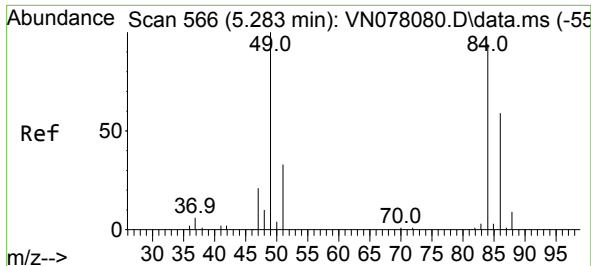
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.298 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

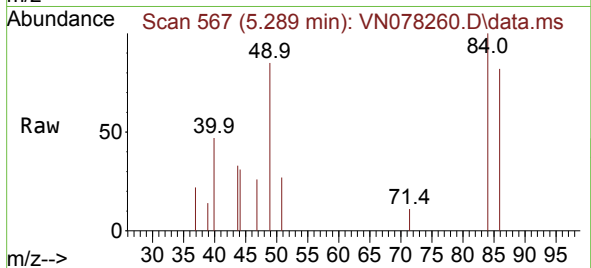
Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
74 13.5 26.2 39.4#



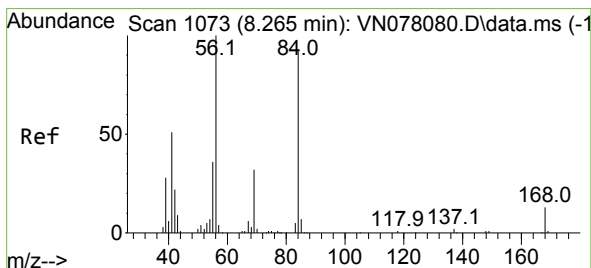
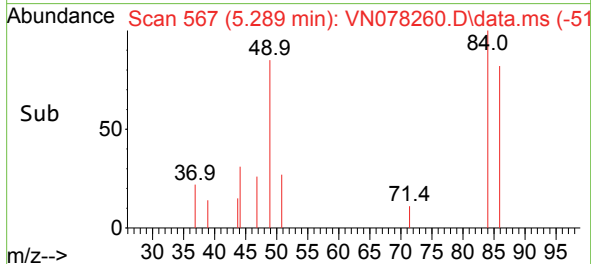
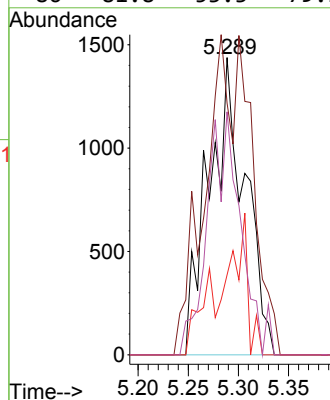


#20
Methylene Chloride
Concen: 0.913 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :

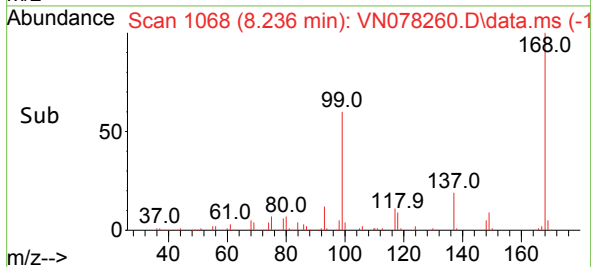
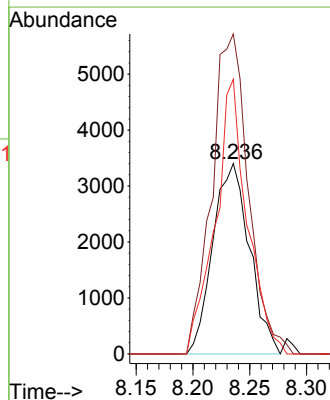
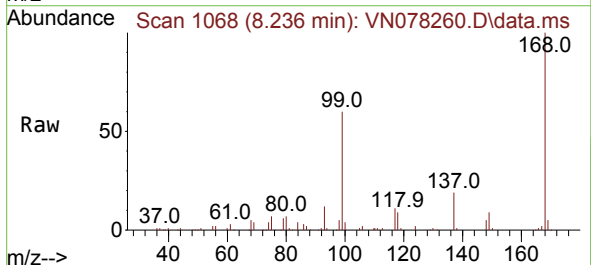


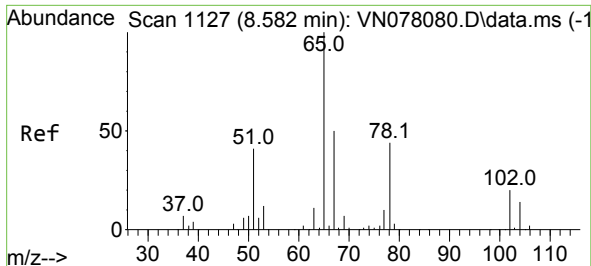
Tgt Ion:	84	Resp:	3612
Ion	Ratio	Lower	Upper
84	100		
49	84.7	79.7	119.5
51	26.9	25.2	37.8
86	81.8	53.3	79.9#



#31
Cyclohexane
Concen: 1.429 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

Tgt Ion:	56	Resp:	7623
Ion	Ratio	Lower	Upper
56	100		
69	168.0	26.8	40.2#
84	144.3	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.726 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

Instrument :

MSVOA_N

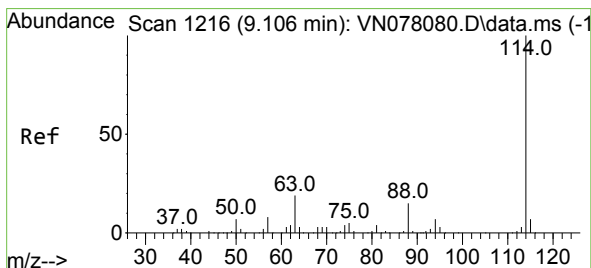
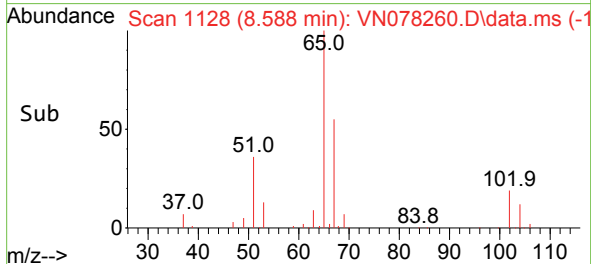
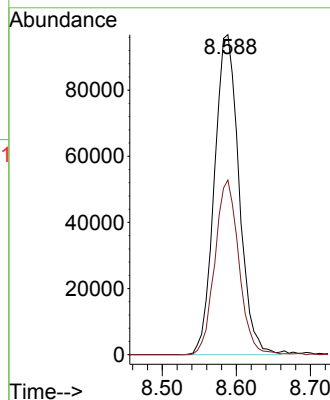
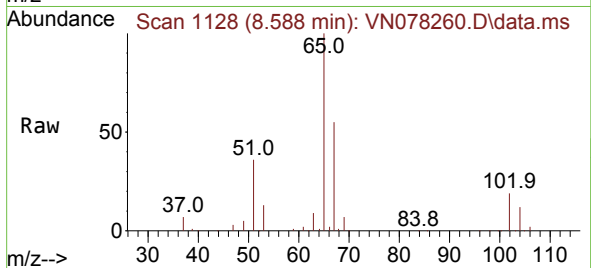
ClientSampleId :

Tgt Ion: 65 Resp: 223369

Ion Ratio Lower Upper

65 100

67 53.3 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: VN078260.D

Acq: 16 Jun 2023 15:17

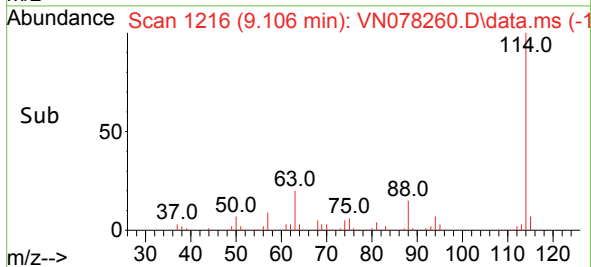
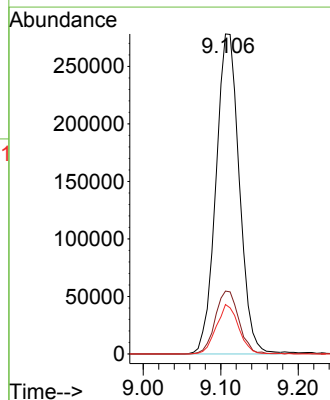
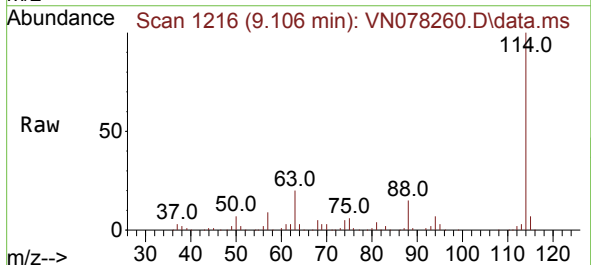
Tgt Ion: 114 Resp: 583035

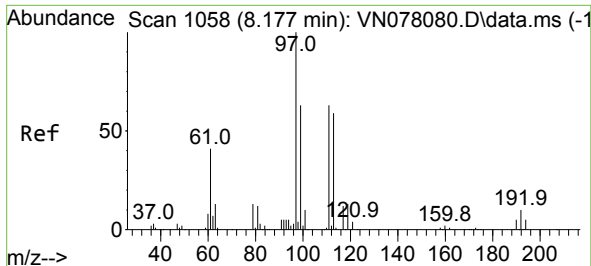
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

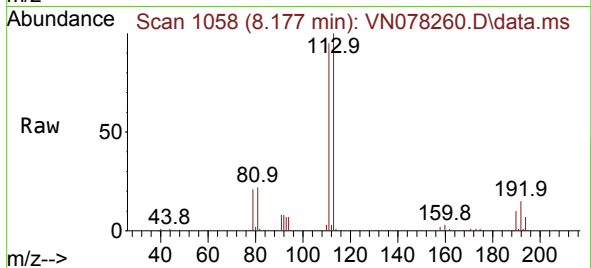
88 15.5 0.0 30.6



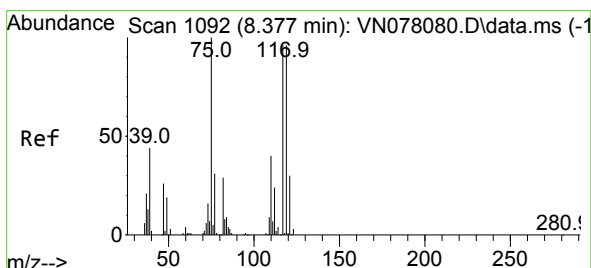
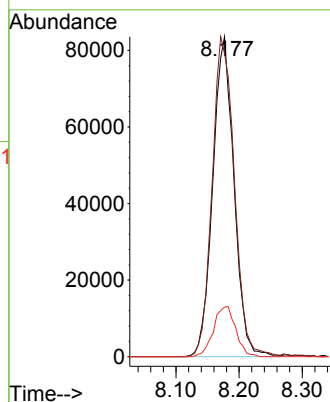
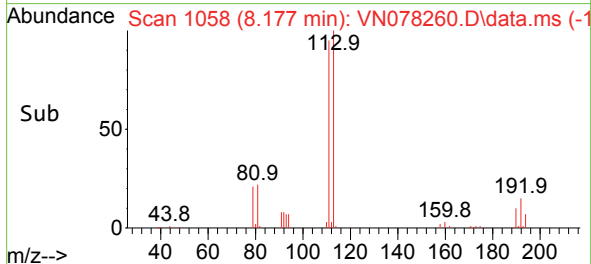


#35
Dibromofluoromethane
Concen: 52.764 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

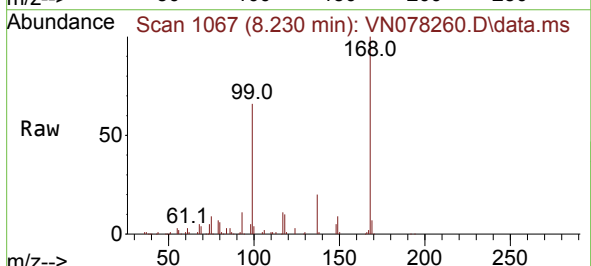
Instrument :
MSVOA_N
ClientSampleId :



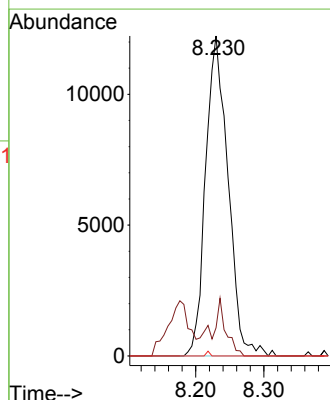
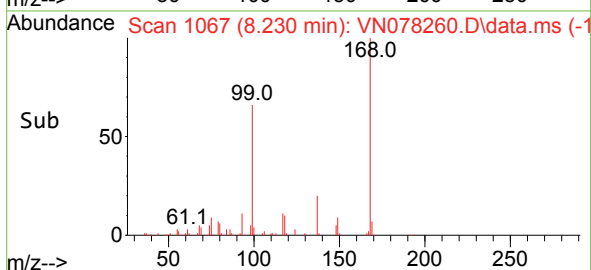
Tgt Ion:113 Resp: 194512
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 16.4 12.7 19.1

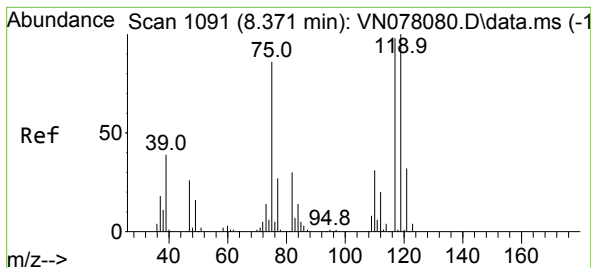


#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17



Tgt Ion: 75 Resp: 28021
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 8.236 min Scan# 1108

Delta R.T. -0.135 min

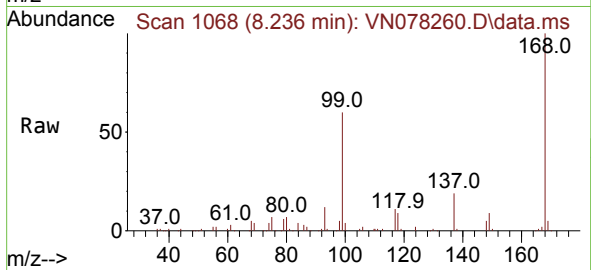
Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :



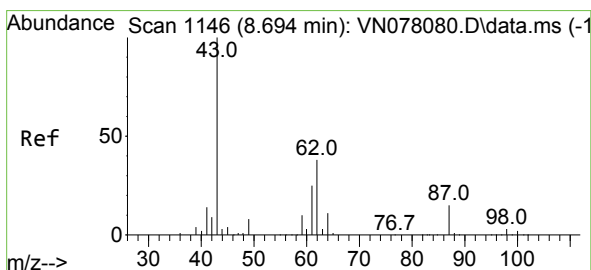
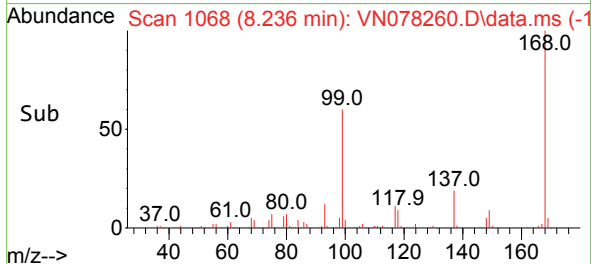
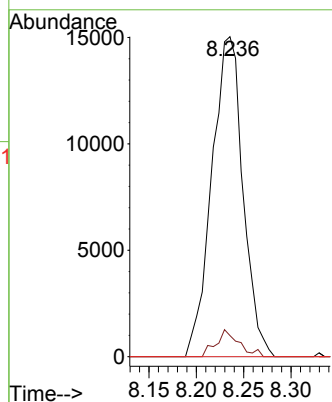
Tgt Ion:117 Resp: 34508

Ion Ratio Lower Upper

117 100

119 6.6 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.701 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

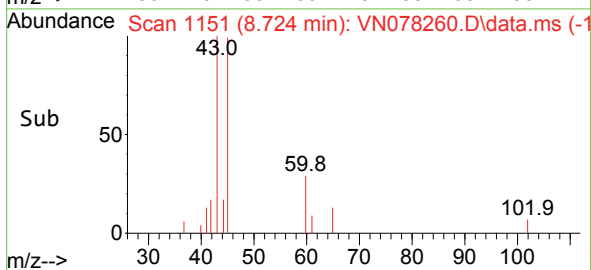
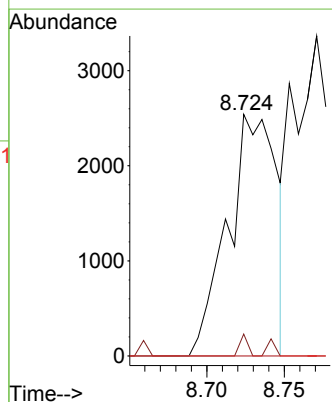
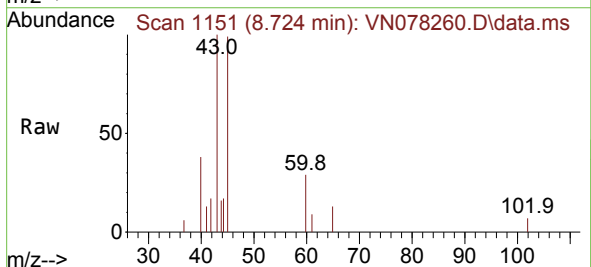
Tgt Ion: 43 Resp: 5535

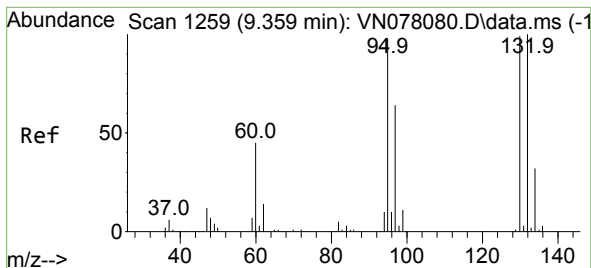
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 0.387 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

Instrument :

MSVOA_N

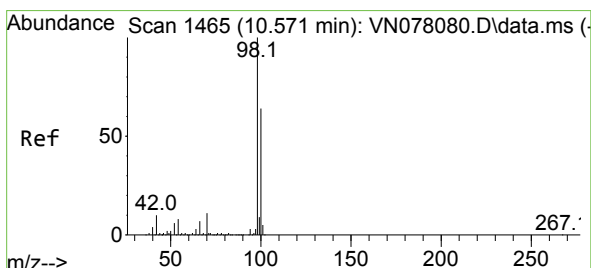
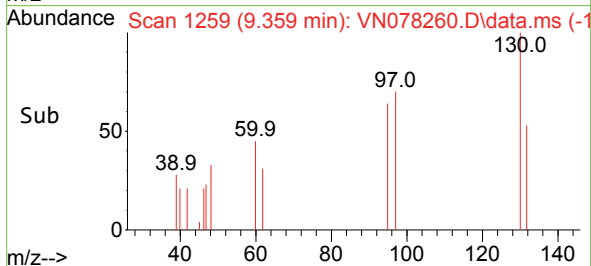
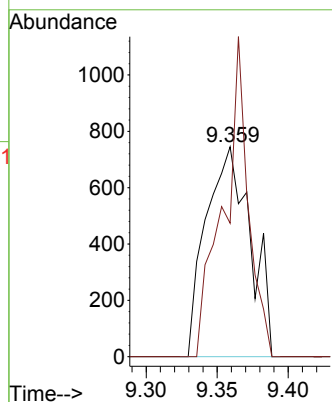
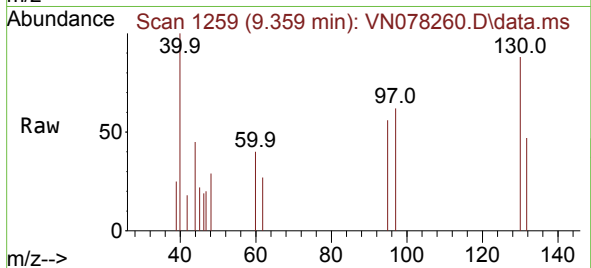
ClientSampleId :

Tgt Ion:130 Resp: 1612

Ion Ratio Lower Upper

130 100

95 63.6 0.0 204.6



#50

Toluene-d8

Concen: 49.786 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078260.D

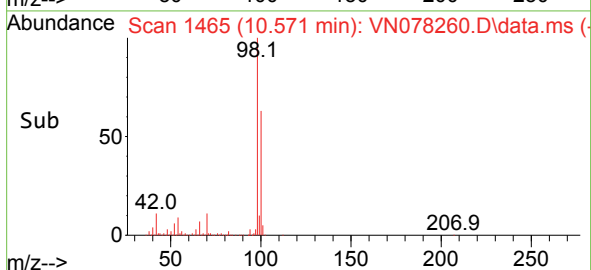
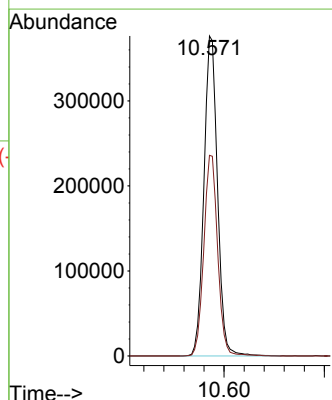
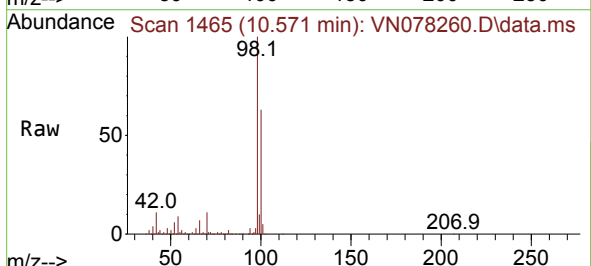
Acq: 16 Jun 2023 15:17

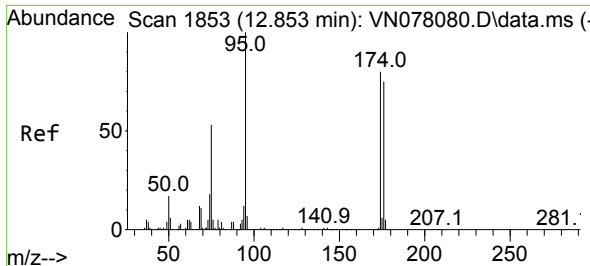
Tgt Ion: 98 Resp: 707536

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

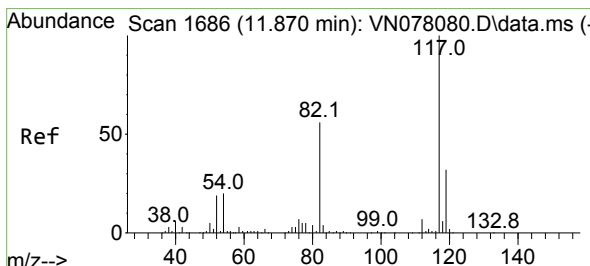
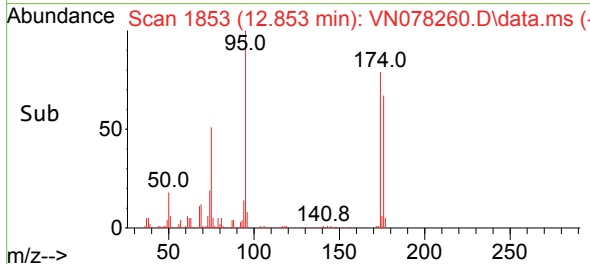
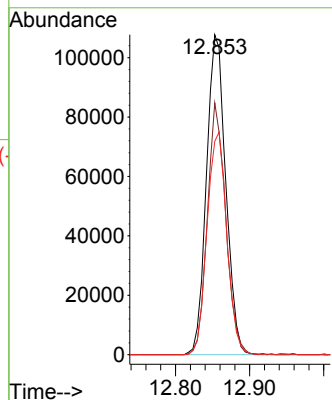
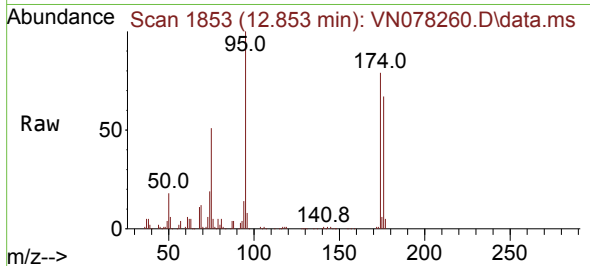




#62
4-Bromofluorobenzene
Concen: 44.067 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

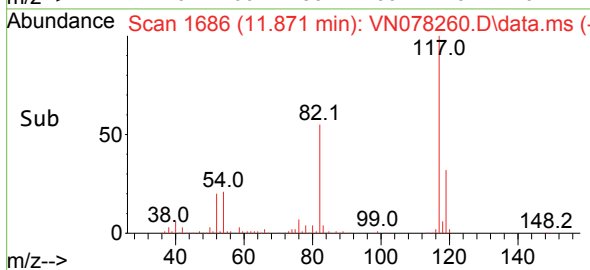
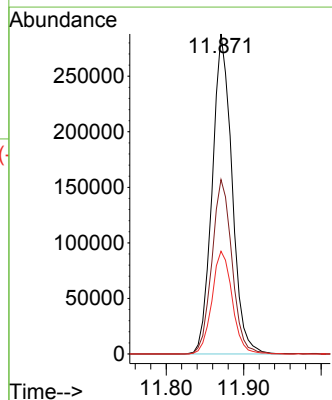
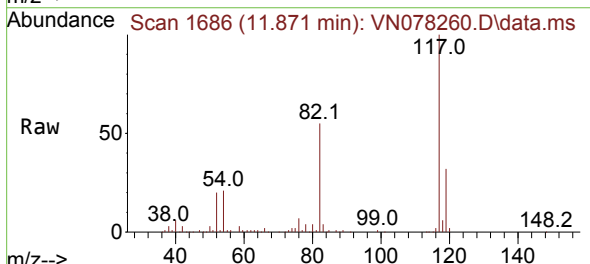
Instrument :
MSVOA_N
ClientSampleId :

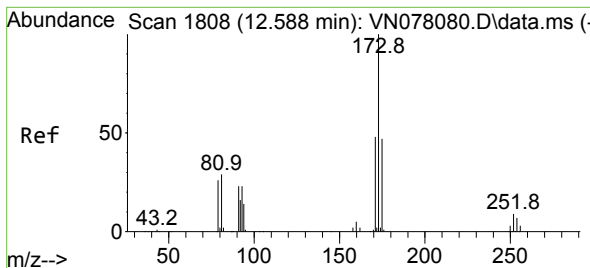
Tgt Ion: 95 Resp: 194689
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

Tgt Ion: 117 Resp: 510206
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 32.1 25.6 38.4





#71

Bromoform

Concen: 0.583 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.259 min

Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

Instrument :

MSVOA_N

ClientSampleId :

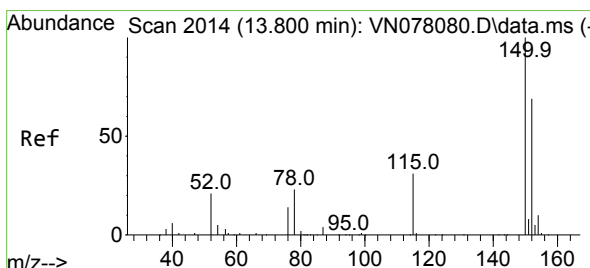
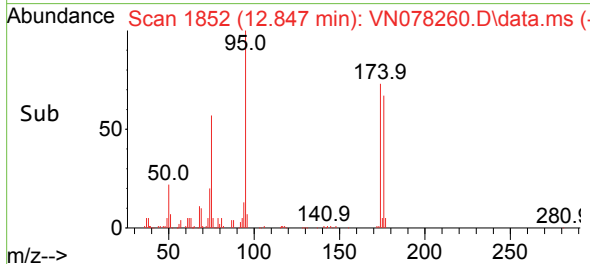
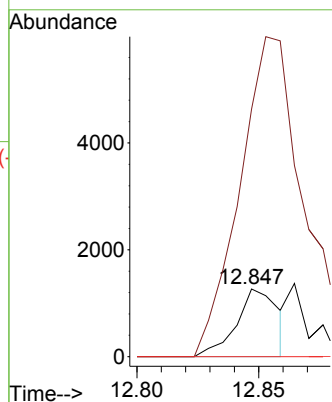
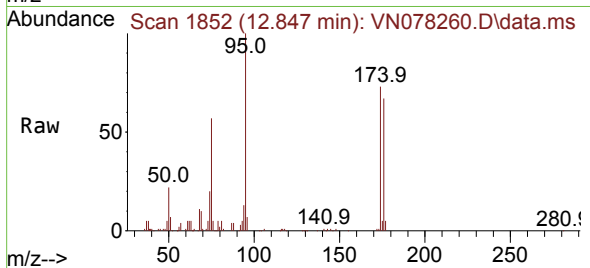
Tgt Ion:173 Resp: 1512

Ion Ratio Lower Upper

173 100

175 588.8 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078260.D

Acq: 16 Jun 2023 15:17

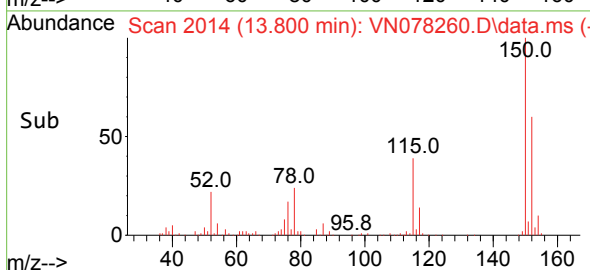
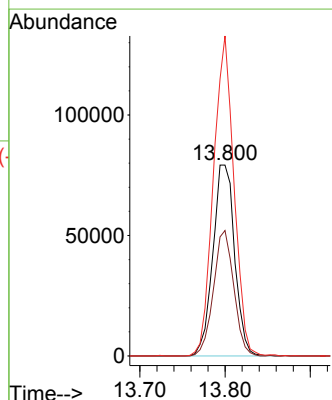
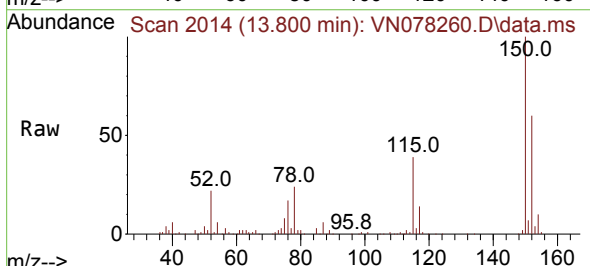
Tgt Ion:152 Resp: 140539

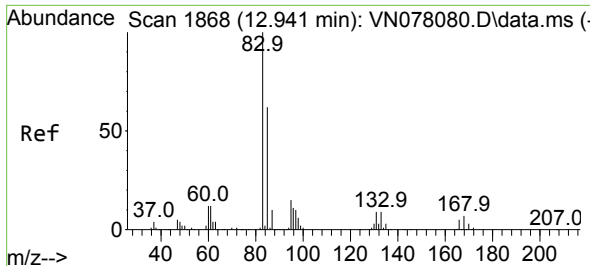
Ion Ratio Lower Upper

152 100

115 61.3 32.3 96.8

150 157.9 0.0 355.8

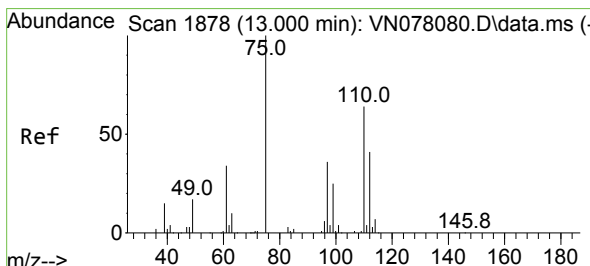
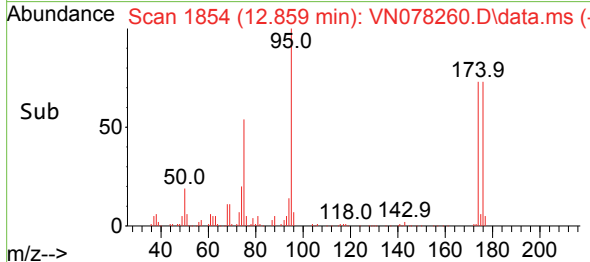
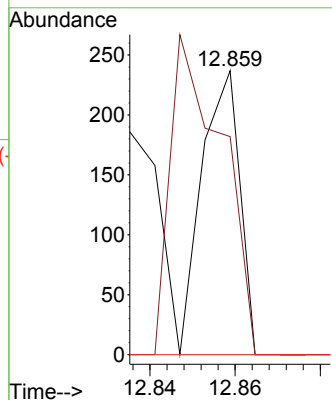
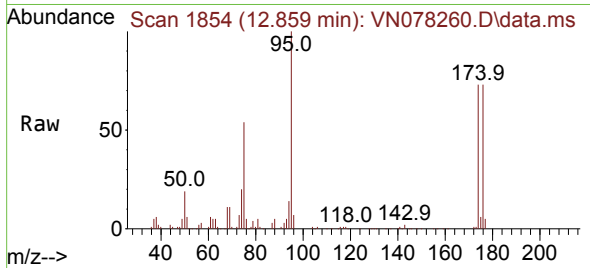




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.859 min Scan# 1854
Delta R.T. -0.082 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

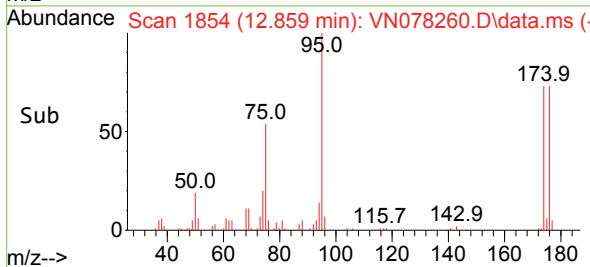
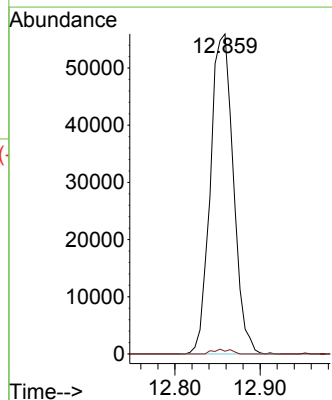
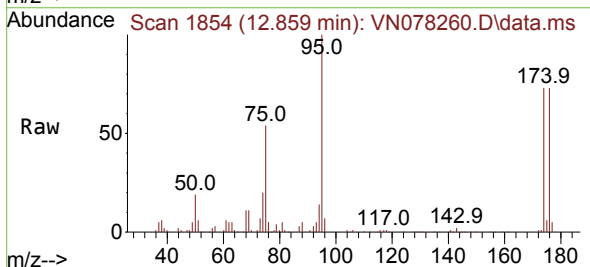
Instrument :
MSVOA_N
ClientSampleId :

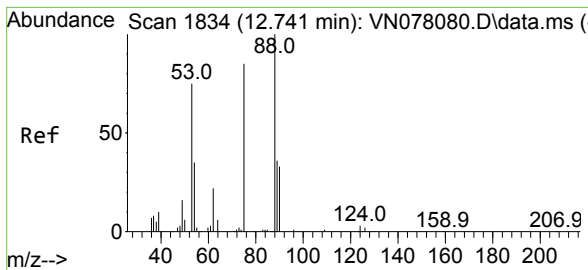
Tgt Ion: 83 Resp: 147
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.554 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

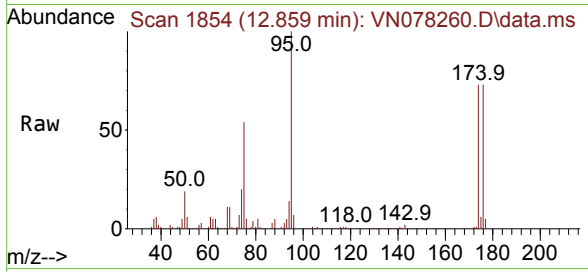
Tgt Ion: 75 Resp: 104835
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.944 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN078260.D
Acq: 16 Jun 2023 15:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	104835
Ion Ratio	Lower	Upper	
75	100		
53	0.1	67.4	101.2#
89	0.0	38.8	58.2#

