

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079891.D
 Acq On : 04 Nov 2023 14:30
 Operator : JC\MD
 Sample : VN1104WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 02:12:49 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)

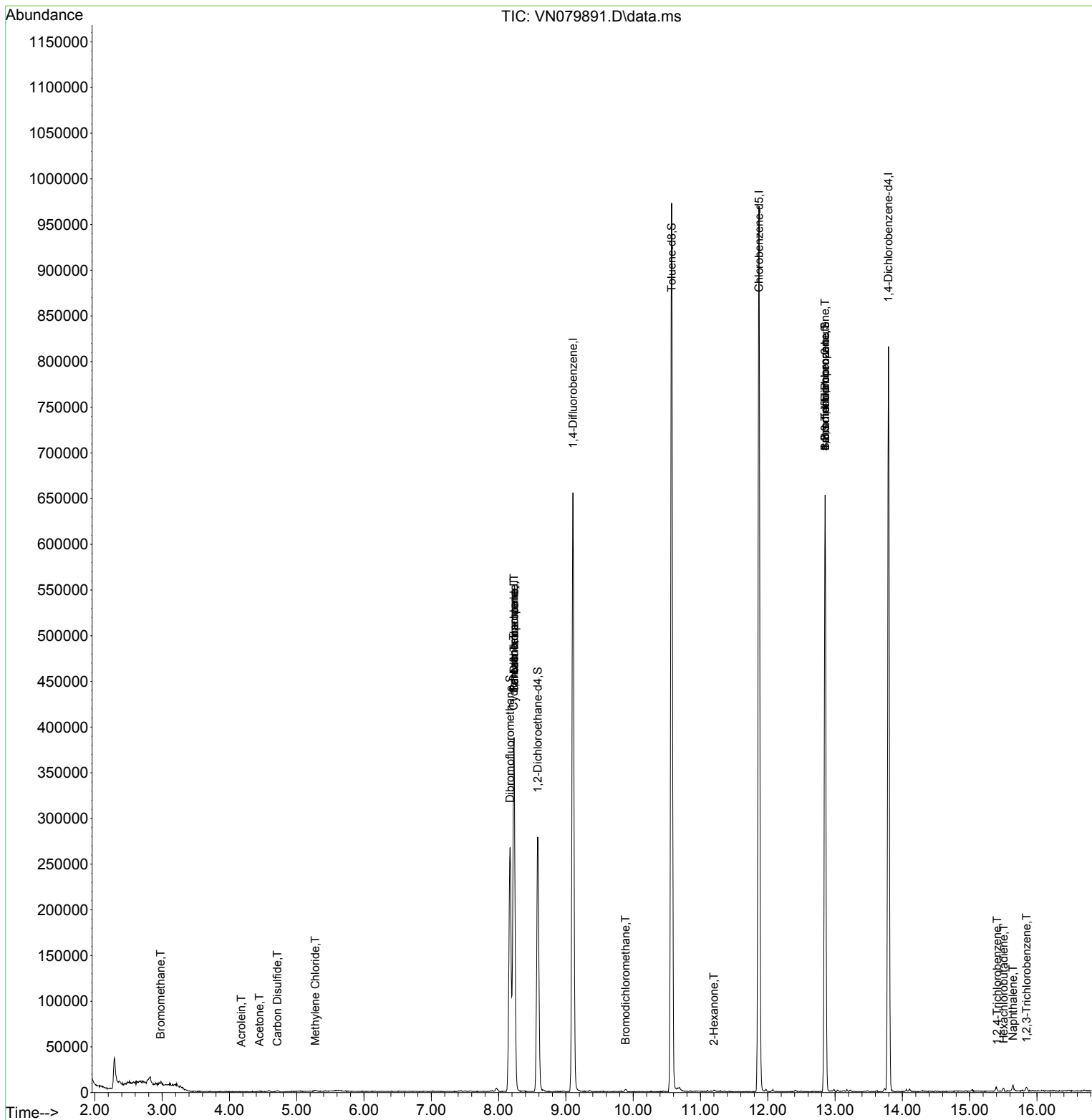
Internal Standards						
1) Pentafluorobenzene	8.229	168	270995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	538203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	528567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209229	50.000	ug/l	0.00

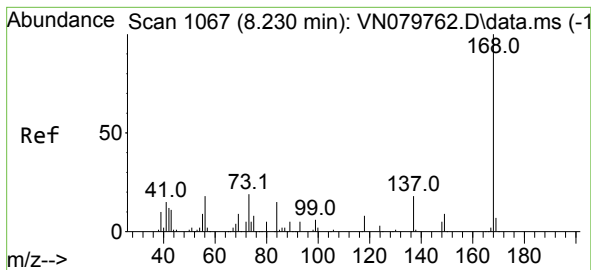
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	228693	55.391	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.780%
35) Dibromofluoromethane	8.171	113	188530	49.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.980%
50) Toluene-d8	10.571	98	657461	46.885	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.853	95	216390	46.528	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.060%

Target Compounds			Qvalue			
3) Chloromethane	2.359	50	1802	Below Cal	#	73
5) Bromomethane	2.977	94	1241	0.478	ug/l #	44
13) Acrolein	4.177	56	96	2.771	ug/l #	16
16) Acetone	4.447	43	402	0.277	ug/l #	40
17) Carbon Disulfide	4.712	76	3179	0.378	ug/l #	75
20) Methylene Chloride	5.277	84	875	0.239	ug/l #	78
31) Cyclohexane	8.224	56	7877	1.444	ug/l #	46
36) 1,1-Dichloropropene	8.229	75	24714	4.544	ug/l #	48
38) Carbon Tetrachloride	8.229	117	29843	5.444	ug/l #	16
47) Bromodichloromethane	9.888	83	1928	0.318	ug/l #	83
59) 2-Hexanone	11.200	43	1246	0.331	ug/l	81
71) Bromoform	12.853	173	1476	0.503	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	119228	24.272	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	119228	66.040	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.411	180	1468	0.452	ug/l #	78
94) Hexachlorobutadiene	15.505	225	788	0.535	ug/l	90
95) Naphthalene	15.647	128	6142	0.558	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	1781	0.560	ug/l	95

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

Quant Time: Nov 06 02:12:49 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

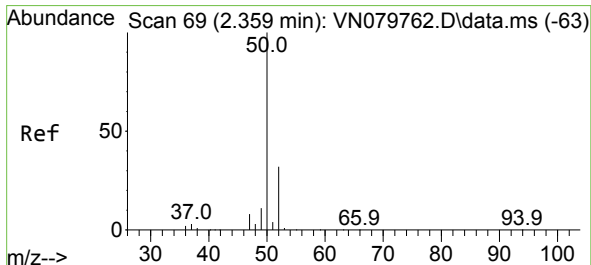
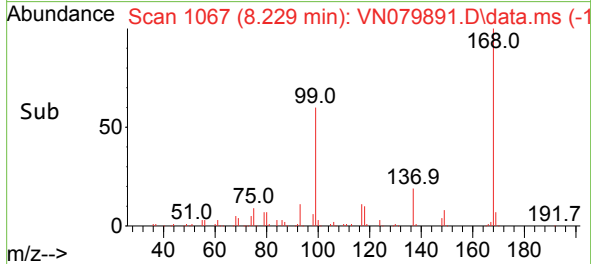
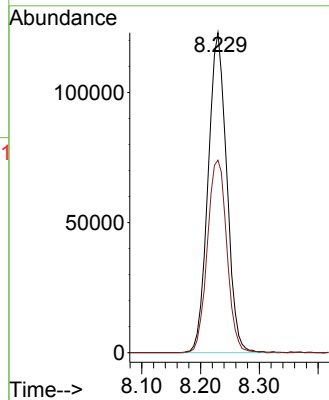
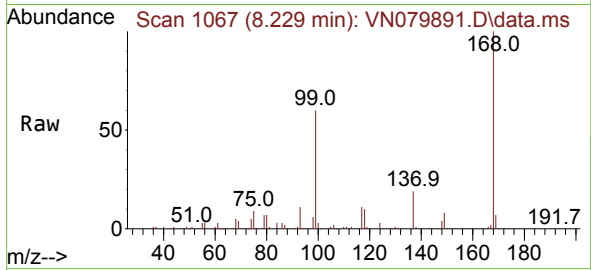




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

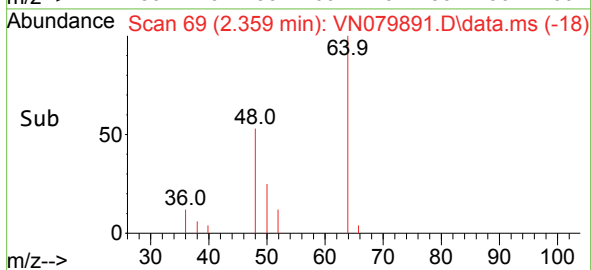
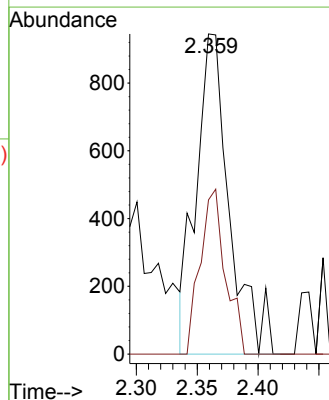
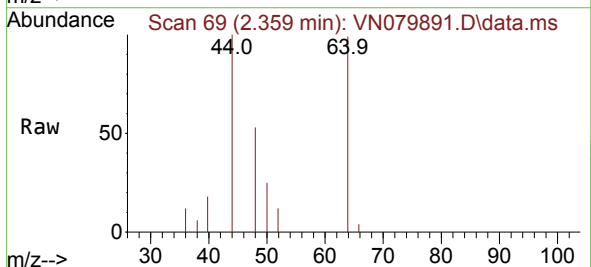
Instrument :
MSVOA_N
ClientSampleId :

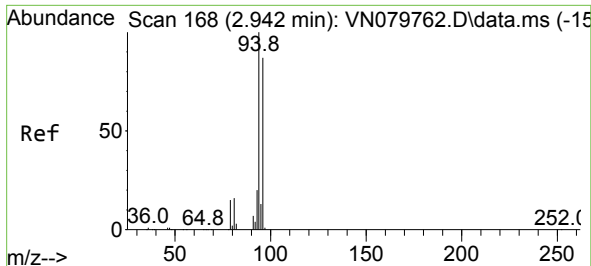
Tgt Ion:168 Resp: 270995
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Tgt Ion: 50 Resp: 1802
Ion Ratio Lower Upper
50 100
52 48.1 26.5 39.7#

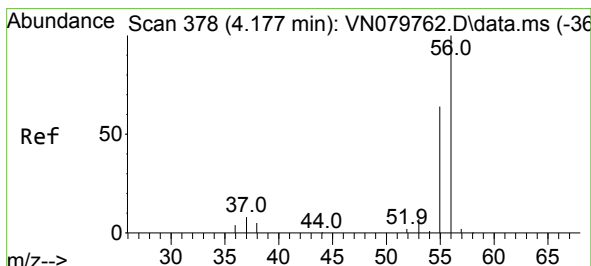
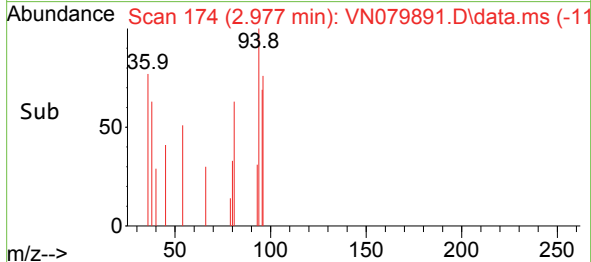
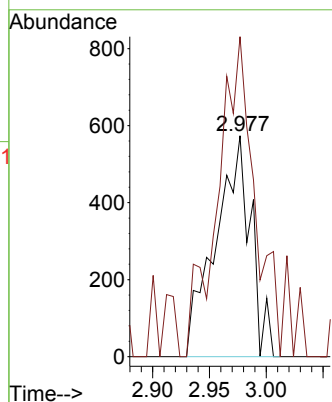
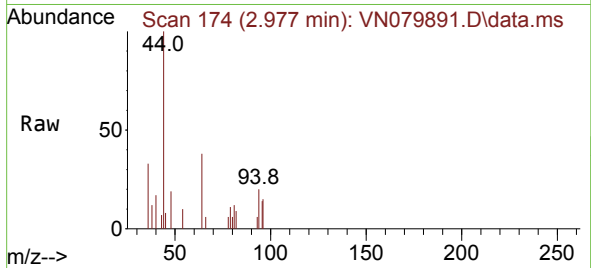




#5
Bromomethane
Concen: 0.478 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

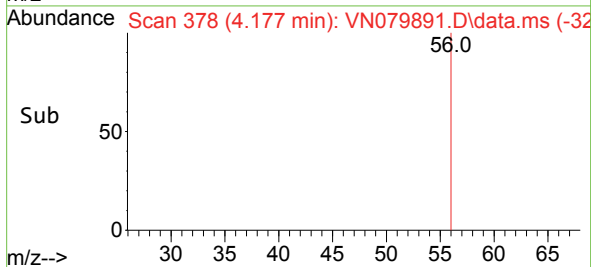
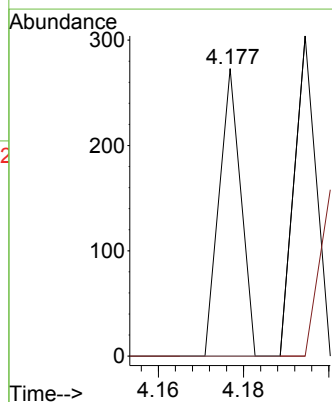
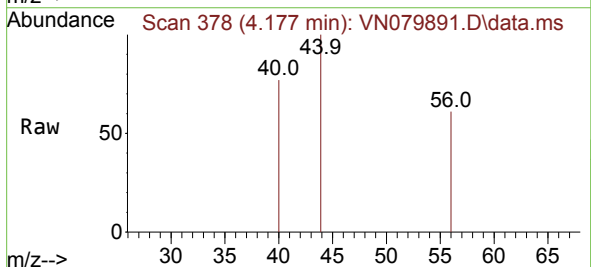
Instrument :
MSVOA_N
ClientSampleId :

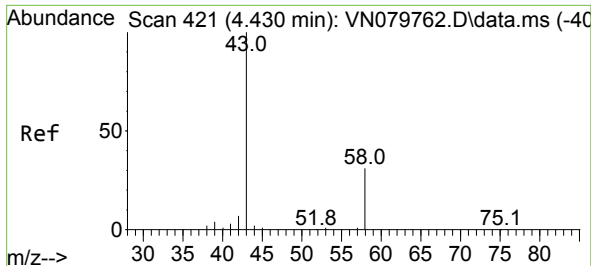
Tgt Ion: 94 Resp: 1241
Ion Ratio Lower Upper
94 100
96 144.8 73.1 109.7#



#13
Acrolein
Concen: 2.771 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

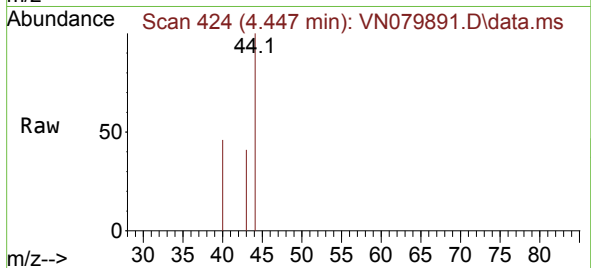
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



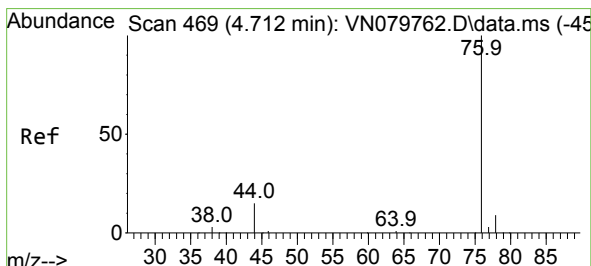
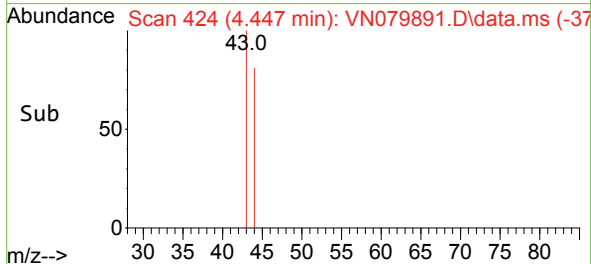
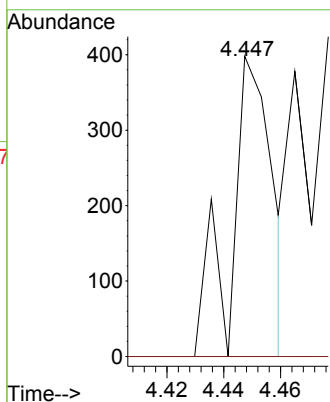


#16
Acetone
Concen: 0.277 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :

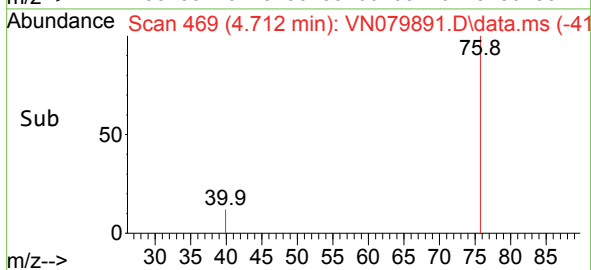
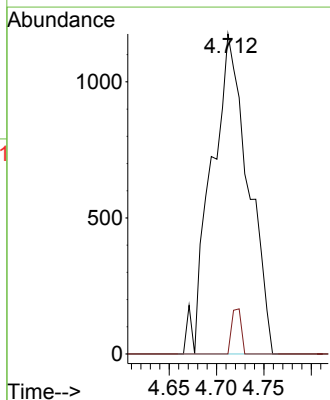
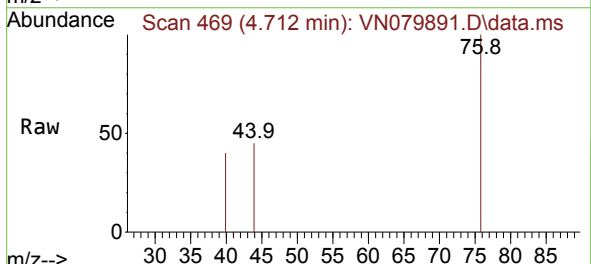


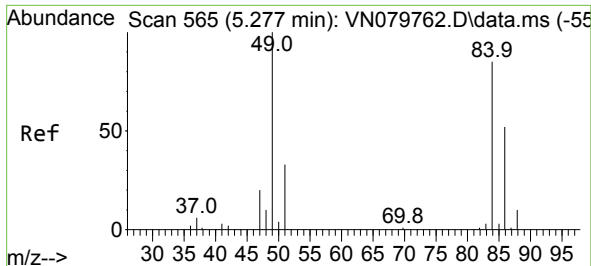
Tgt Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.378 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

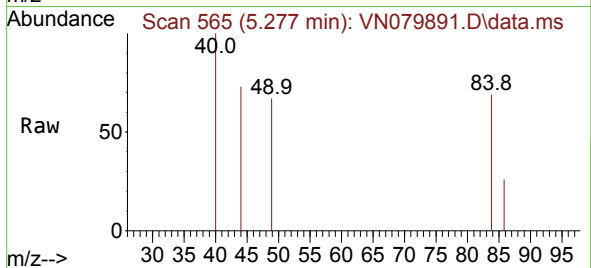
Tgt Ion: 76 Resp: 3179
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



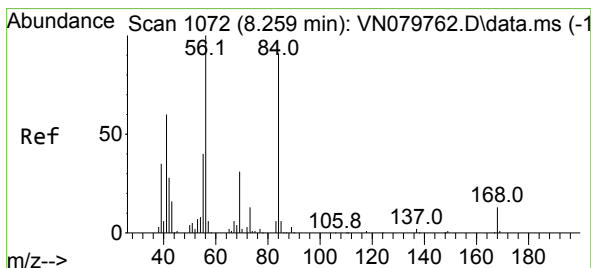
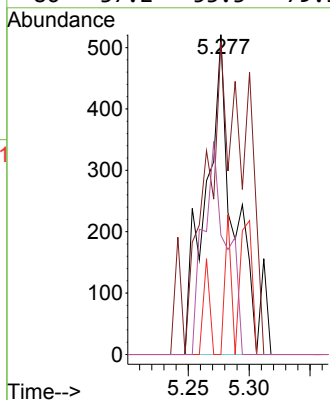


#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :

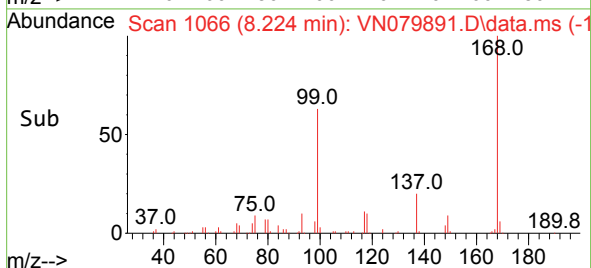
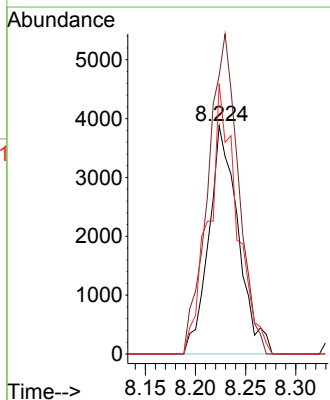
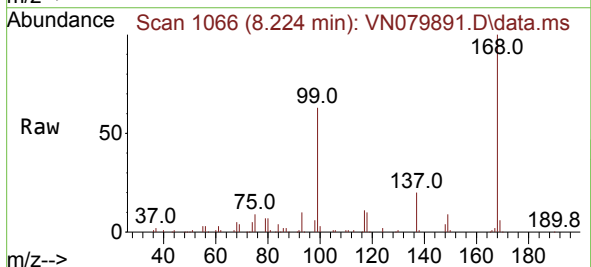


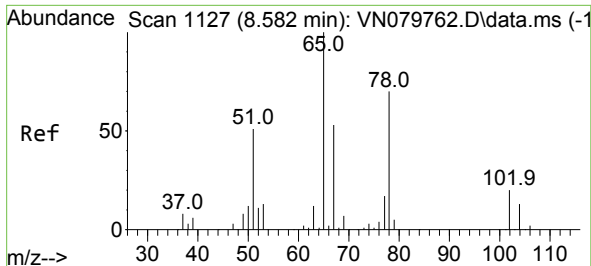
Tgt Ion:	84	Resp:	875
Ion	Ratio	Lower	Upper
84	100		
49	97.7	79.7	119.5
51	0.0	25.2	37.8#
86	37.2	53.3	79.9#



#31
Cyclohexane
Concen: 1.444 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Tgt Ion:	56	Resp:	7877
Ion	Ratio	Lower	Upper
56	100		
69	121.9	26.8	40.2#
84	123.1	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 55.391 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

Instrument :

MSVOA_N

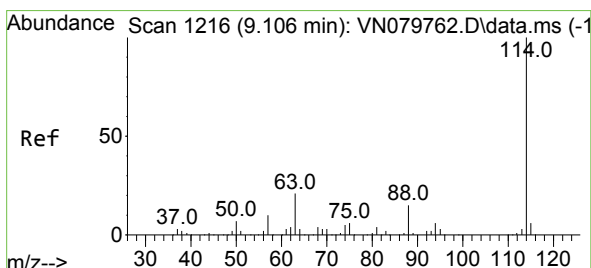
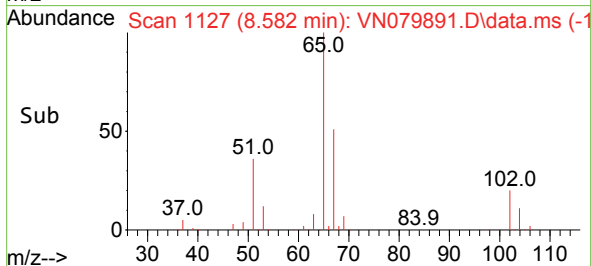
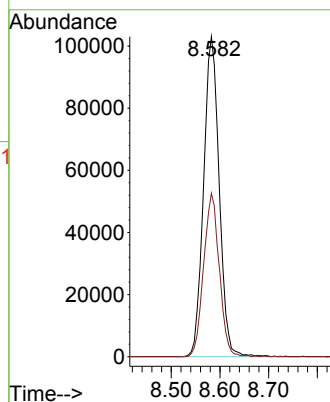
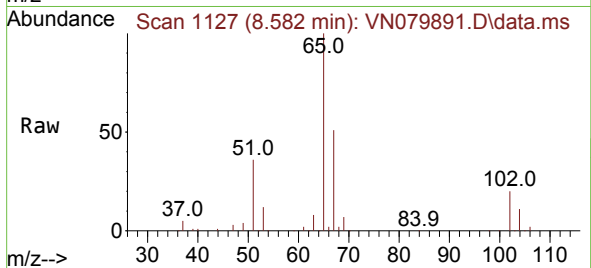
ClientSampleId :

Tgt Ion: 65 Resp: 228693

Ion Ratio Lower Upper

65 100

67 51.3 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: VN079891.D

Acq: 04 Nov 2023 14:30

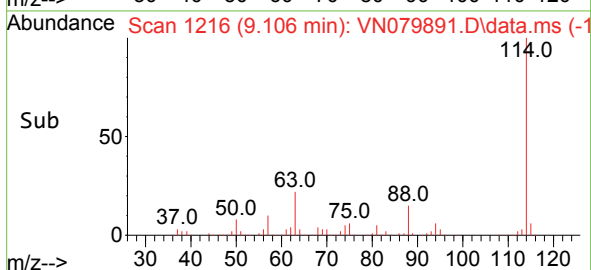
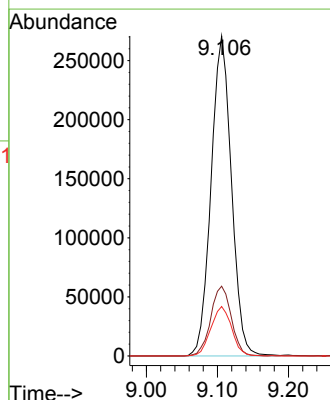
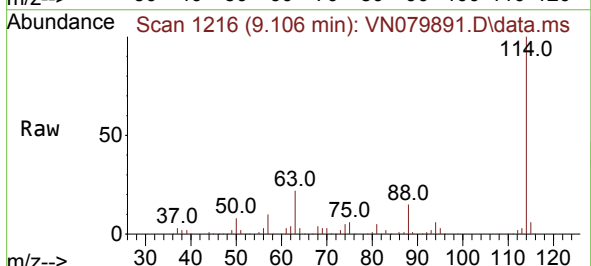
Tgt Ion: 114 Resp: 538203

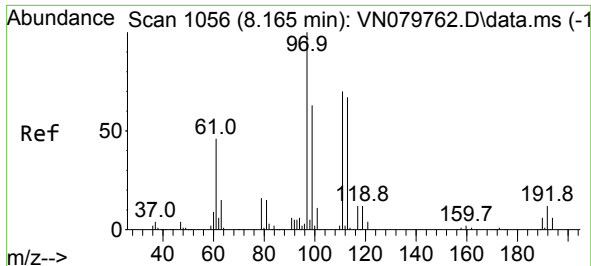
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

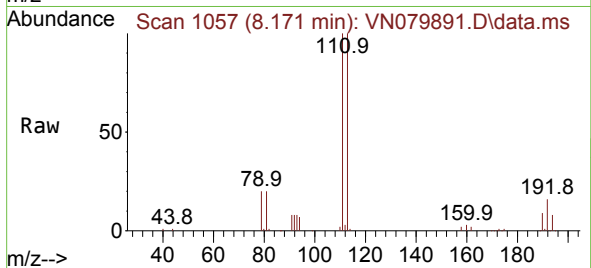
88 15.5 0.0 30.6



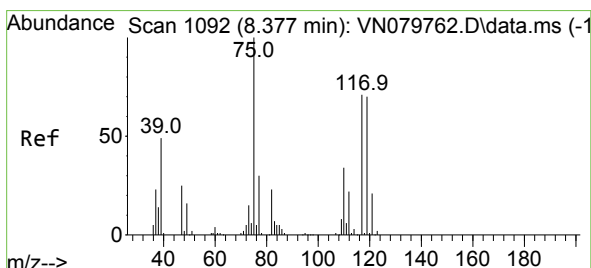
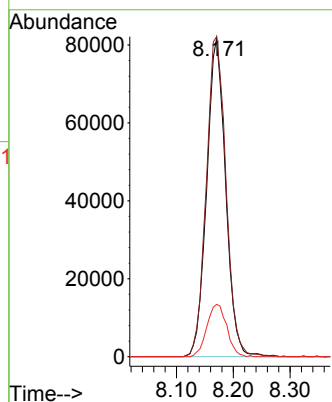
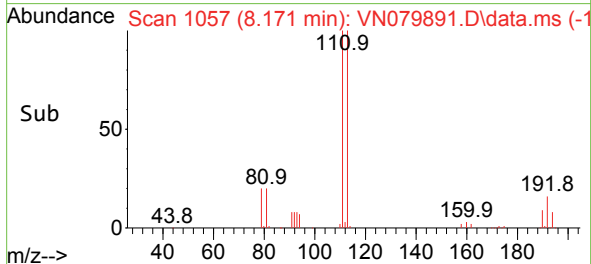


#35
Dibromofluoromethane
Concen: 49.494 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Instrument :
MSVOA_N
ClientSampleId :

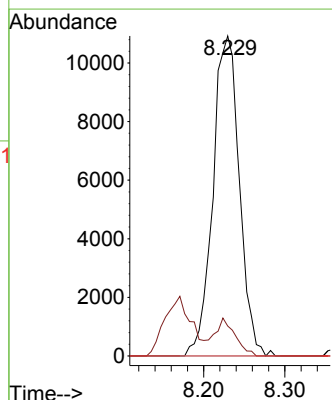
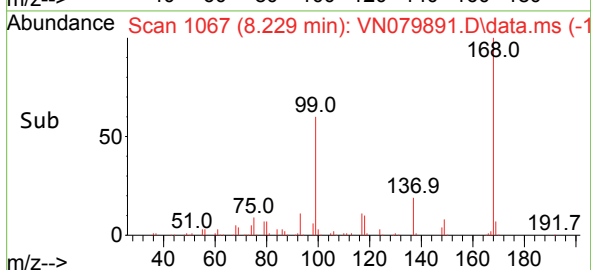
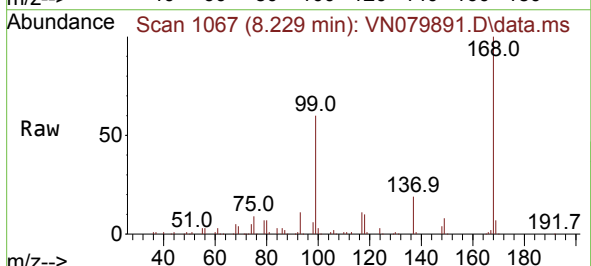


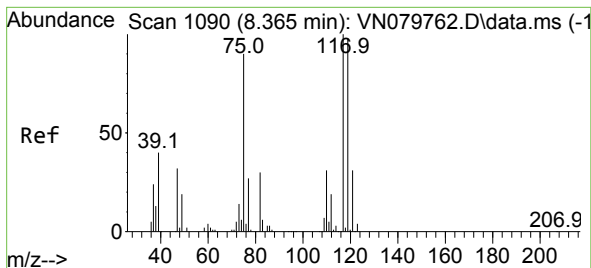
Tgt Ion:113 Resp: 188530
Ion Ratio Lower Upper
113 100
111 104.8 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Tgt Ion: 75 Resp: 24714
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.444 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

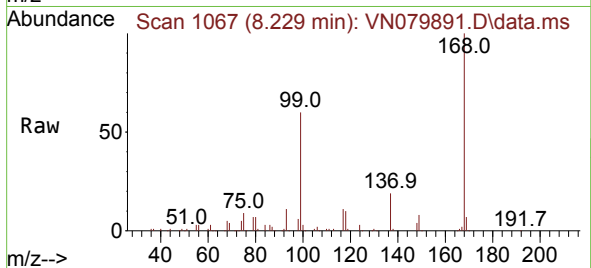
Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

Instrument :

MSVOA_N

ClientSampleId :



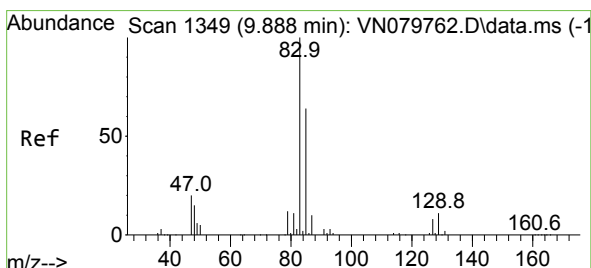
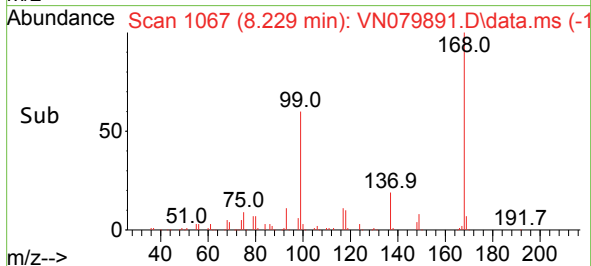
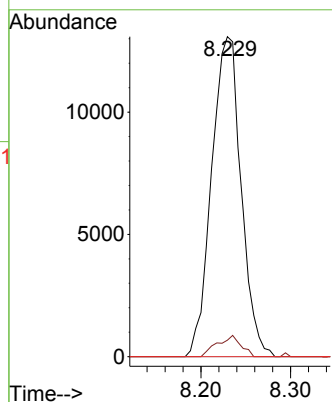
Tgt Ion:117 Resp: 29843

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#47

Bromodichloromethane

Concen: 0.318 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

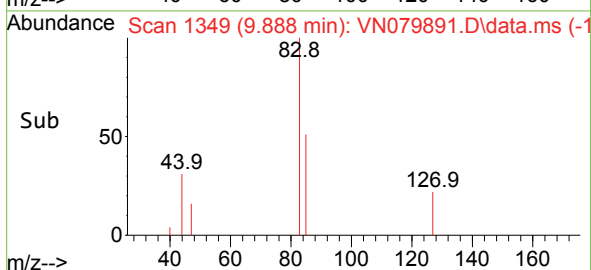
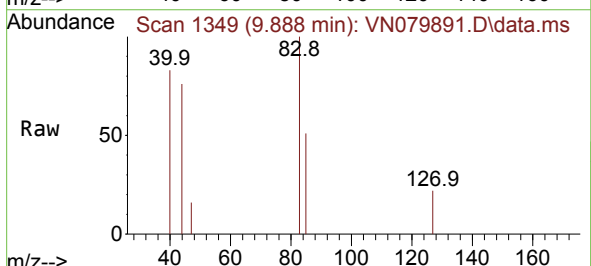
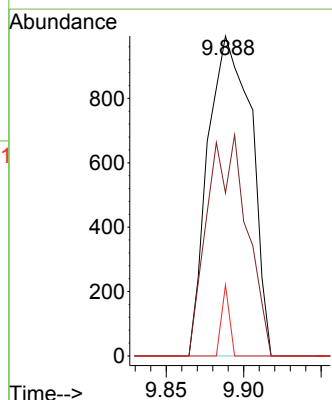
Tgt Ion: 83 Resp: 1928

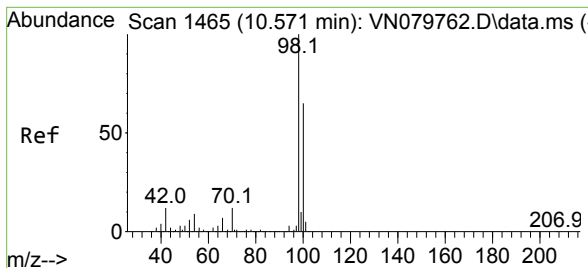
Ion Ratio Lower Upper

83 100

85 50.9 49.6 74.4

127 22.1 7.0 10.6#

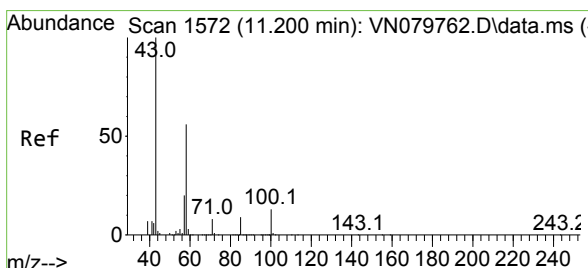
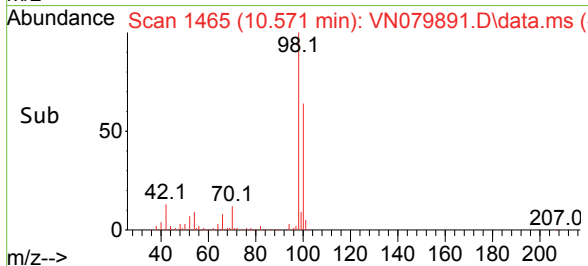
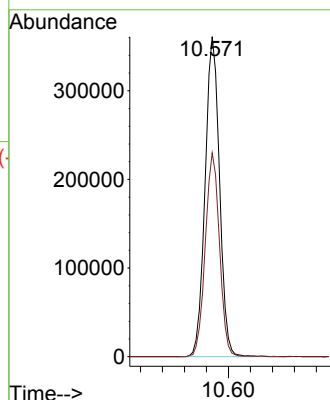
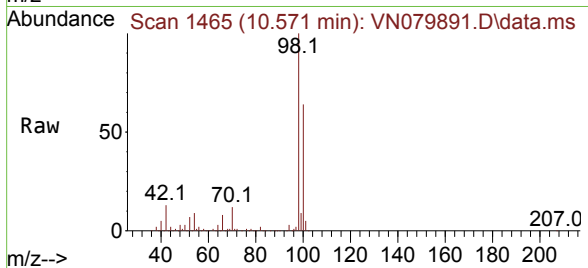




#50
Toluene-d8
Concen: 46.885 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

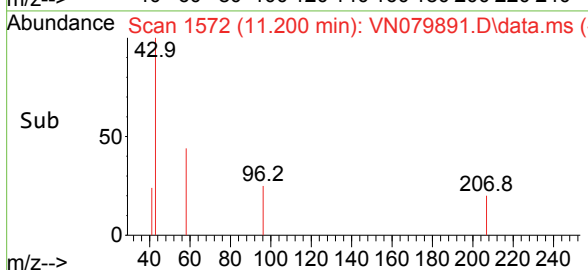
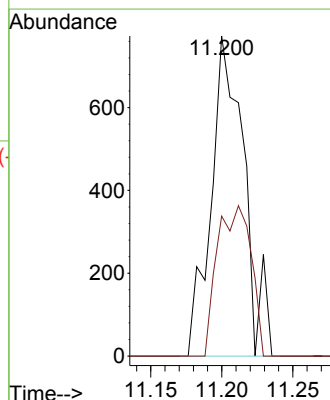
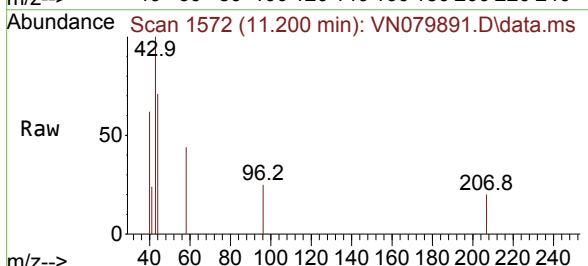
Instrument :
MSVOA_N
ClientSampleId :

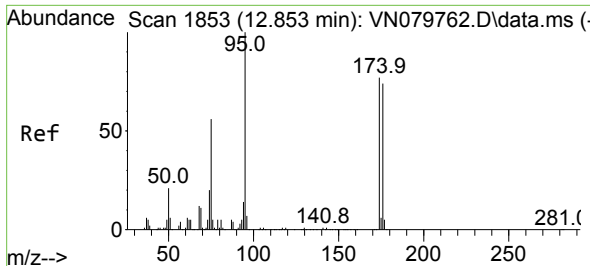
Tgt Ion: 98 Resp: 657461
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#59
2-Hexanone
Concen: 0.331 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Tgt Ion: 43 Resp: 1246
Ion Ratio Lower Upper
43 100
58 48.3 31.7 95.1

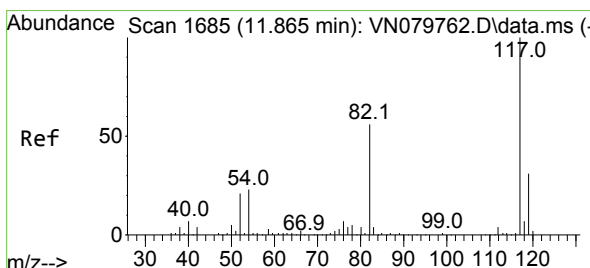
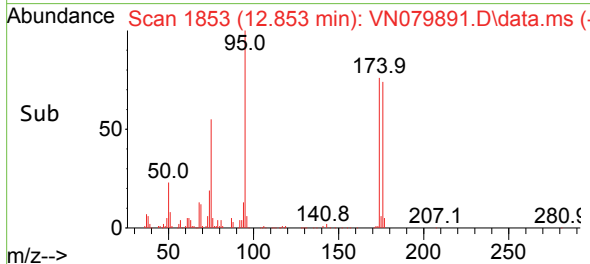
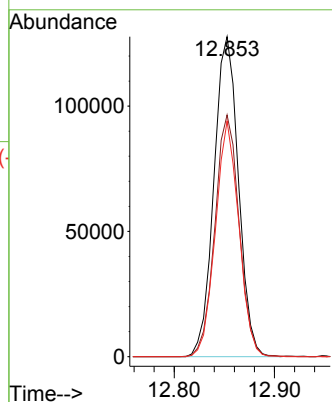
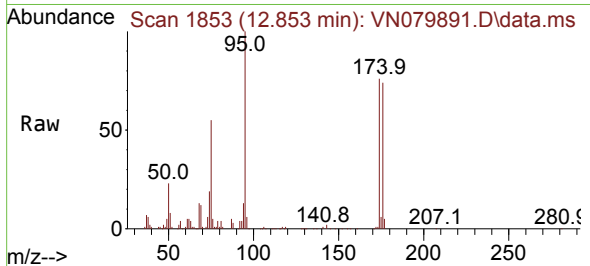




#62
4-Bromofluorobenzene
Concen: 46.528 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

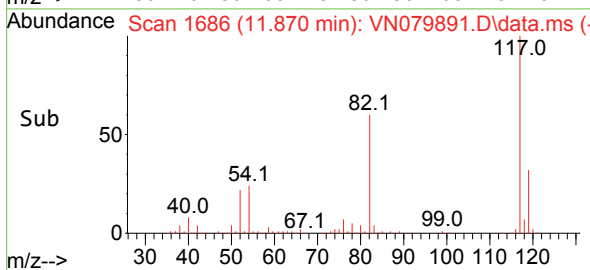
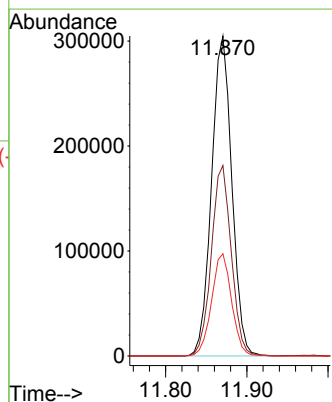
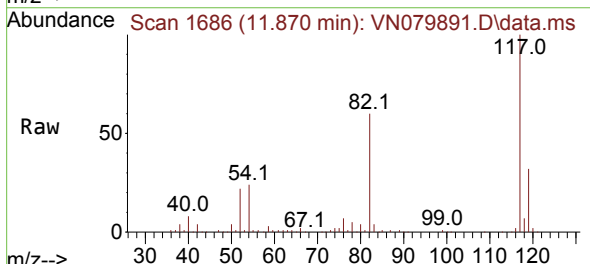
Instrument :
MSVOA_N
ClientSampleId :

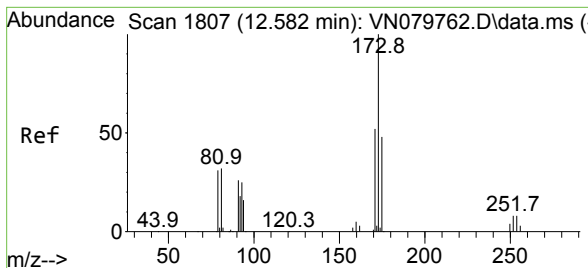
Tgt Ion: 95 Resp: 216390
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

Tgt Ion: 117 Resp: 528567
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.503 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

Instrument :

MSVOA_N

ClientSampleId :

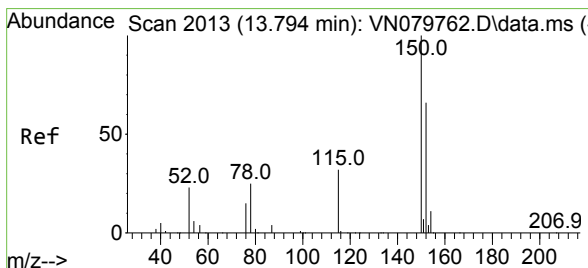
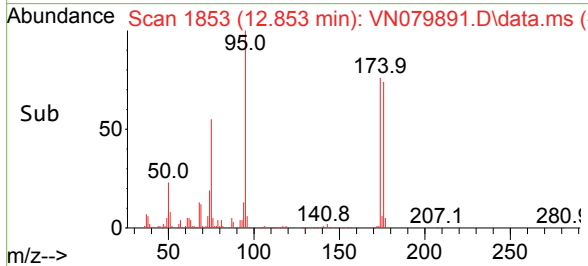
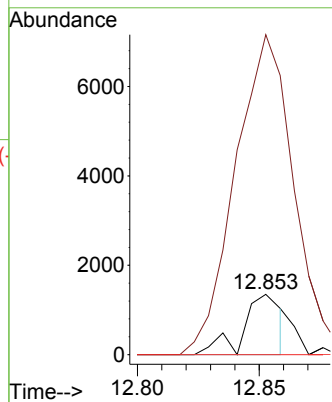
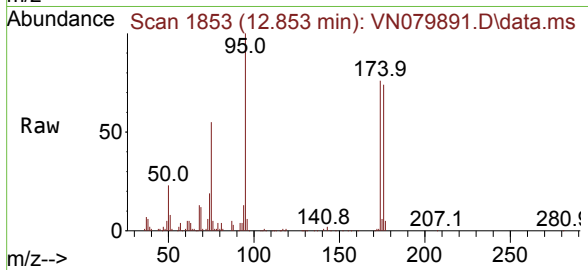
Tgt Ion:173 Resp: 1476

Ion Ratio Lower Upper

173 100

175 653.1 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# 2013

Delta R.T. 0.000 min

Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

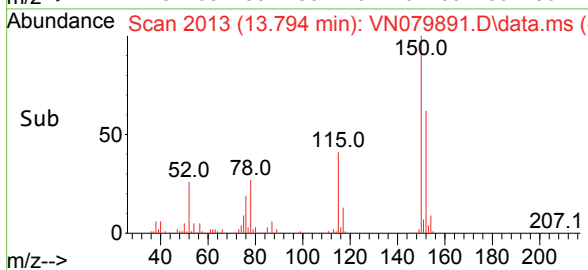
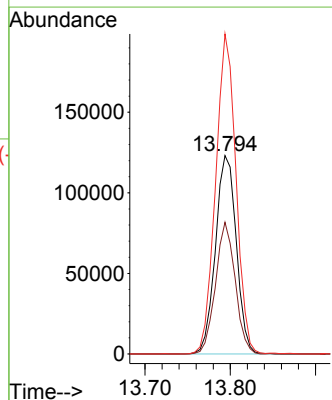
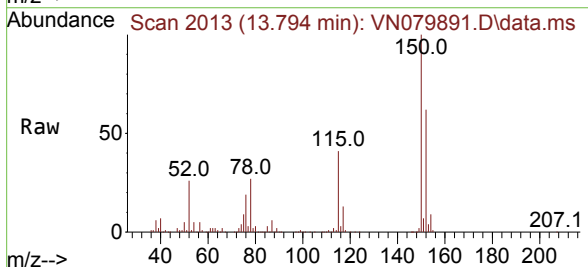
Tgt Ion:152 Resp: 209229

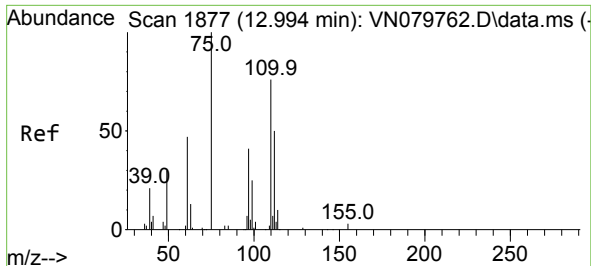
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 157.6 0.0 355.8

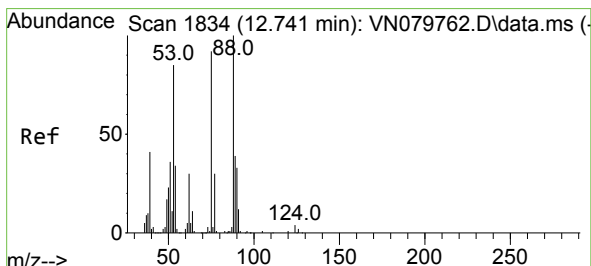
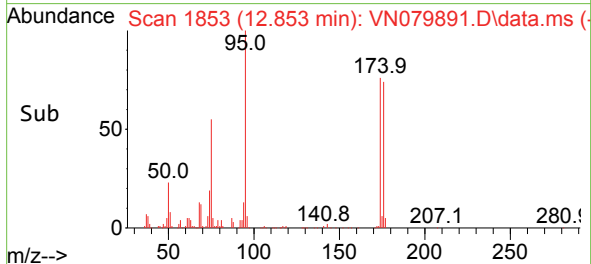
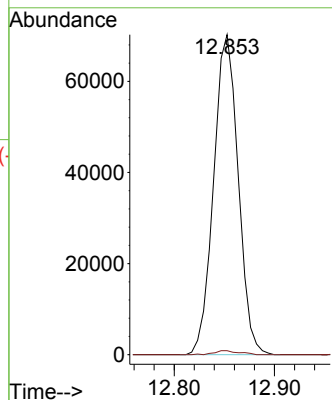
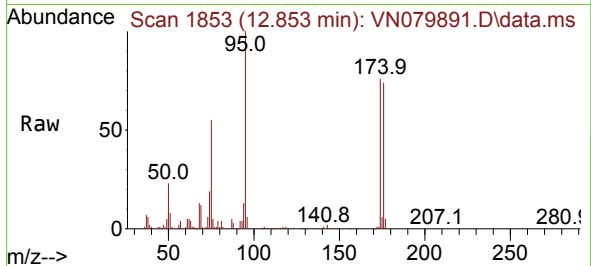




#76
1,2,3-Trichloropropane
Concen: 24.272 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

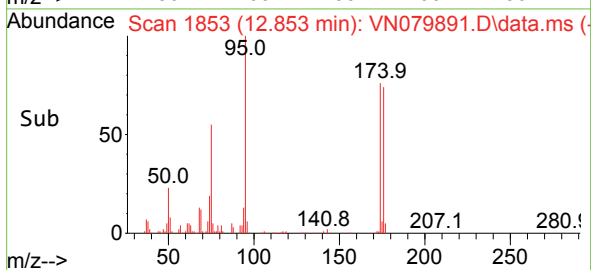
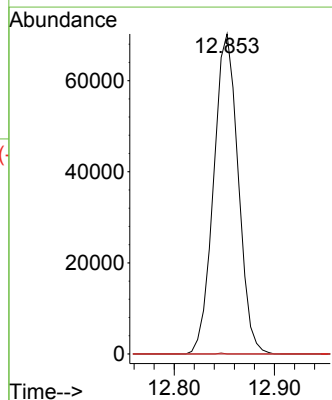
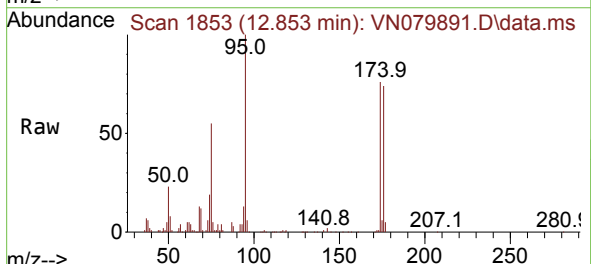
Instrument :
MSVOA_N
ClientSampleId :

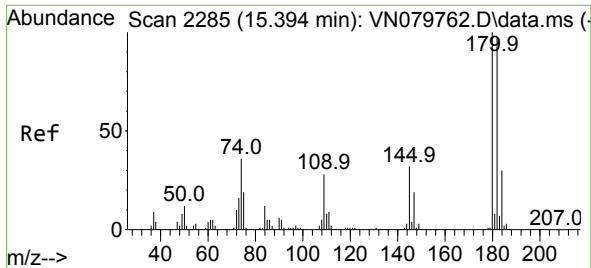
Tgt Ion: 75 Resp: 119228
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.040 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079891.D
Acq: 04 Nov 2023 14:30

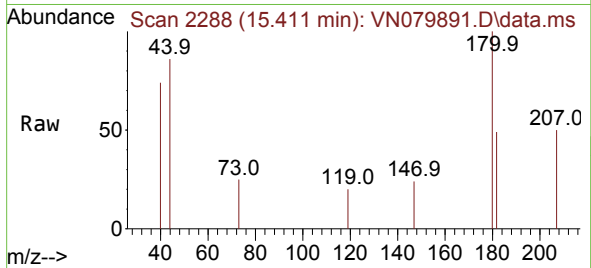
Tgt Ion: 75 Resp: 119228
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



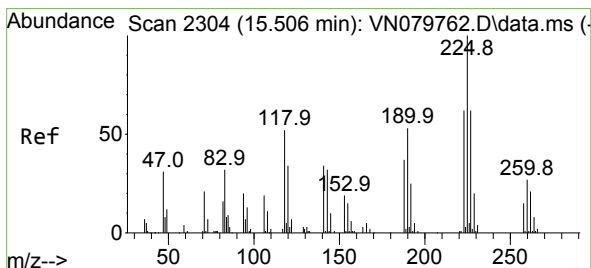
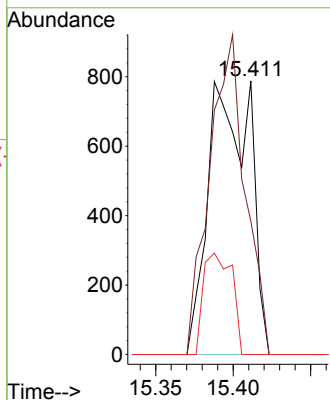
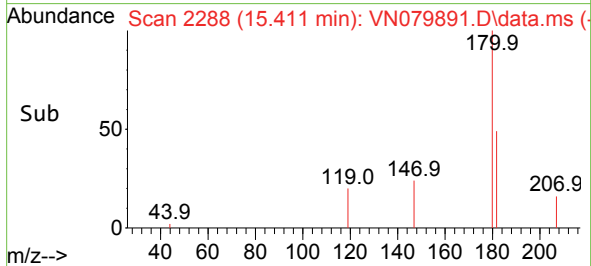


#93
 1,2,4-Trichlorobenzene
 Concen: 0.452 ug/l
 RT: 15.411 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN079891.D
 Acq: 04 Nov 2023 14:30

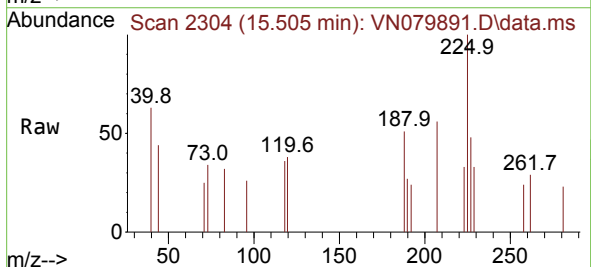
Instrument :
 MSVOA_N
 ClientSampleId :



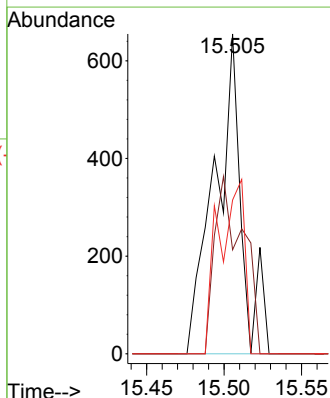
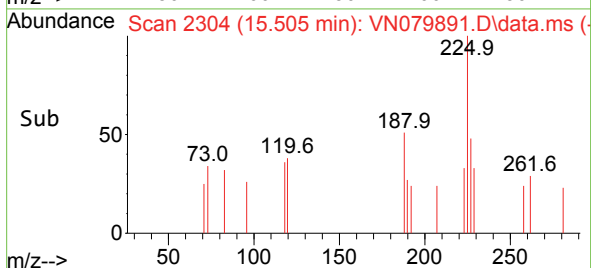
Tgt Ion:180 Resp: 1468
 Ion Ratio Lower Upper
 180 100
 182 100.1 46.1 138.2
 145 0.0 16.6 49.8#

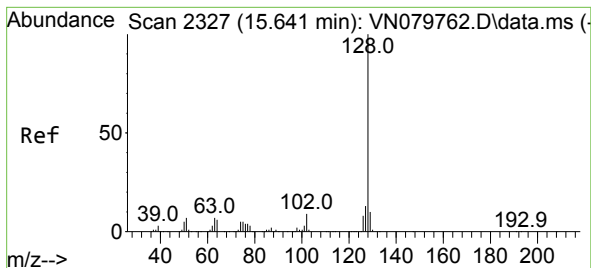


#94
 Hexachlorobutadiene
 Concen: 0.535 ug/l
 RT: 15.505 min Scan# 2304
 Delta R.T. 0.000 min
 Lab File: VN079891.D
 Acq: 04 Nov 2023 14:30



Tgt Ion:225 Resp: 788
 Ion Ratio Lower Upper
 225 100
 223 58.2 31.3 93.8
 227 52.0 31.9 95.9





#95

Naphthalene

Concen: 0.558 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN079891.D

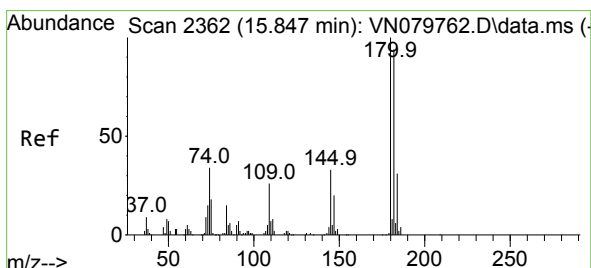
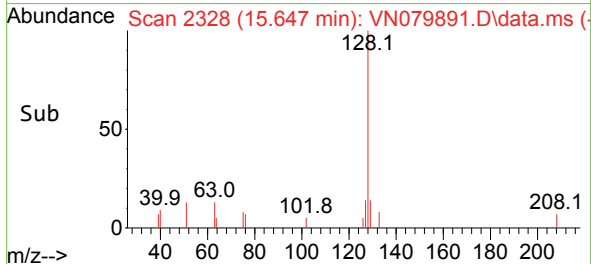
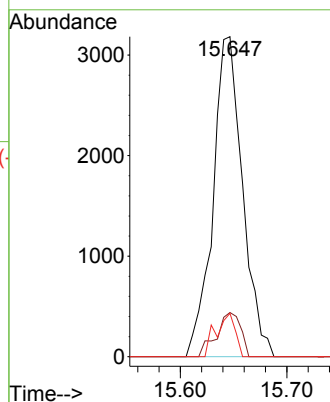
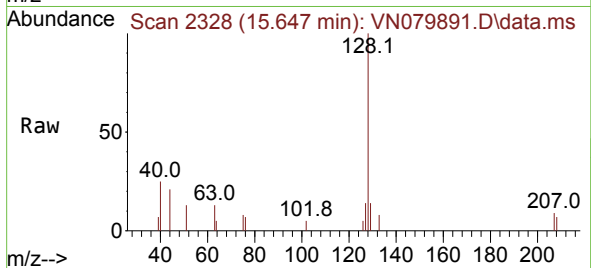
Acq: 04 Nov 2023 14:30

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	6142
Ion Ratio	Lower	Upper
128	100	
127	11.3	10.0 15.0
129	8.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.560 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN079891.D

Acq: 04 Nov 2023 14:30

Tgt Ion:180	Resp:	1781
Ion Ratio	Lower	Upper
180	100	
182	87.6	46.2 138.6
145	33.0	17.5 52.6

