

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079788.D
 Acq On : 02 Nov 2023 11:26
 Operator : JC\MD
 Sample : VN1102MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 03:59:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	202064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394009	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	406003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157892	50.000	ug/l	0.00

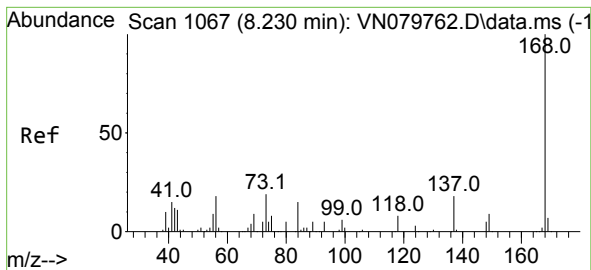
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	177643	57.704	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.400%	
35) Dibromofluoromethane	8.165	113	152646	54.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.480%	
50) Toluene-d8	10.571	98	516076	50.271	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.853	95	169535	49.794	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.580%	

Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1808	Below Cal	#	42
5) Bromomethane	2.971	94	881	0.455	ug/l	100
6) Chloroethane	3.136	64	1070	0.425	ug/l	91
10) Methyl Iodide	4.600	142	1759	0.671	ug/l	# 77
13) Acrolein	4.189	56	82	2.799	ug/l	# 1
15) Acrylonitrile	5.736	53	1287	1.051	ug/l	# 62
16) Acetone	4.453	43	756	0.699	ug/l	# 40
17) Carbon Disulfide	4.712	76	3198	0.510	ug/l	# 75
18) Methyl Acetate	5.042	43	1203	0.233	ug/l	# 66
30) Chloroform	7.977	83	2421	0.475	ug/l	# 78
31) Cyclohexane	8.230	56	5052	1.242	ug/l	# 18
36) 1,1-Dichloropropene	8.224	75	17993	4.519	ug/l	# 48
38) Carbon Tetrachloride	8.218	117	21478	5.352	ug/l	# 15
47) Bromodichloromethane	9.894	83	1377	0.310	ug/l	# 92
59) 2-Hexanone	11.200	43	1766	0.640	ug/l	# 74
76) 1,2,3-Trichloropropane	12.847	75	93607	25.253	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	93607	68.706	ug/l	# 15
87) 1,3-Dichlorobenzene	13.735	146	1177	0.216	ug/l	88
88) 1,4-Dichlorobenzene	13.735	146	1177	0.212	ug/l	86
89) n-Butylbenzene	14.059	91	3007	0.405	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	1437	0.279	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	244	0.339	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	2209	0.902	ug/l	88
94) Hexachlorobutadiene	15.500	225	1799	1.620	ug/l	91
95) Naphthalene	15.647	128	8294	0.998	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.841	180	2735	1.139	ug/l	96

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

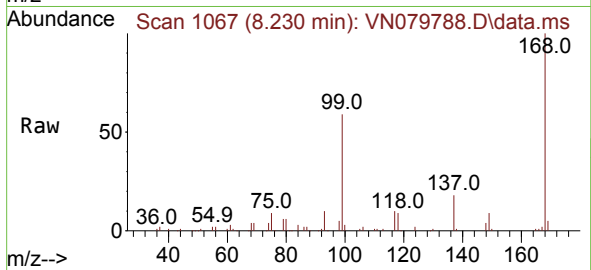
Quant Time: Nov 03 03:59:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration



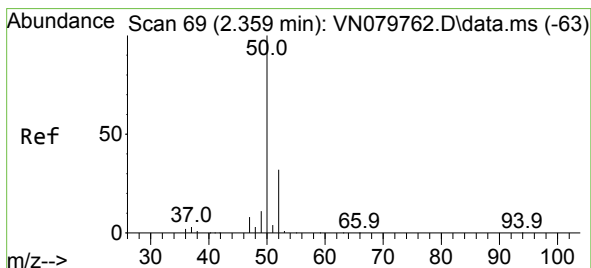
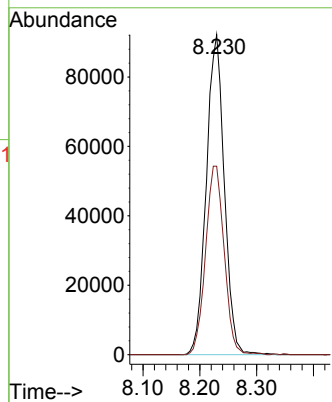
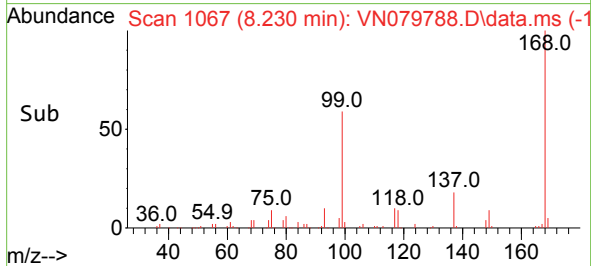


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Instrument :
MSVOA_N
ClientSampleId :

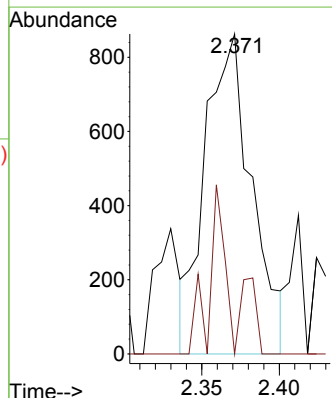
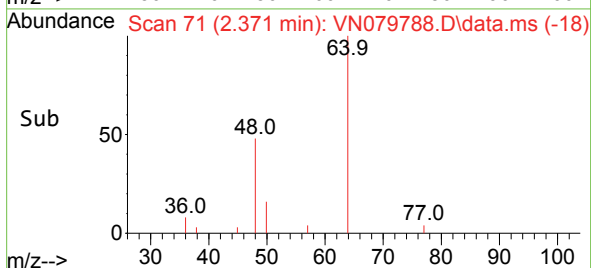
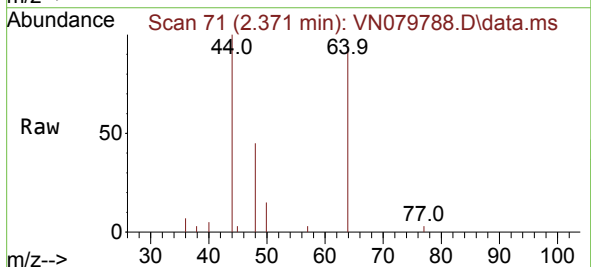


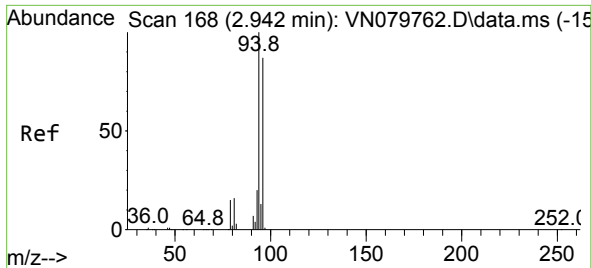
Tgt Ion:168 Resp: 202064
Ion Ratio Lower Upper
168 100
99 58.9 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Tgt Ion: 50 Resp: 1808
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

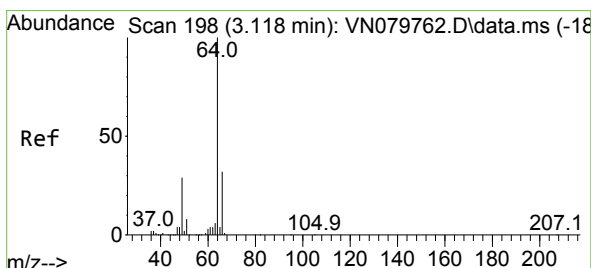
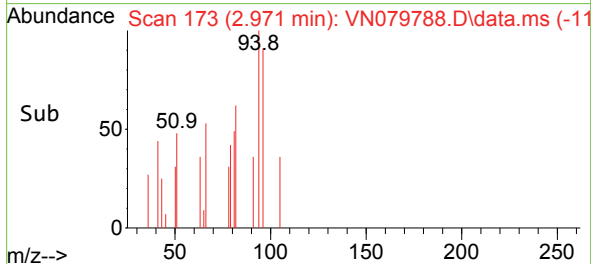
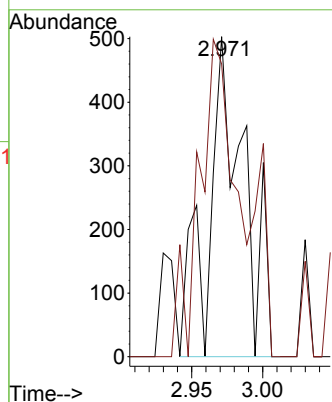
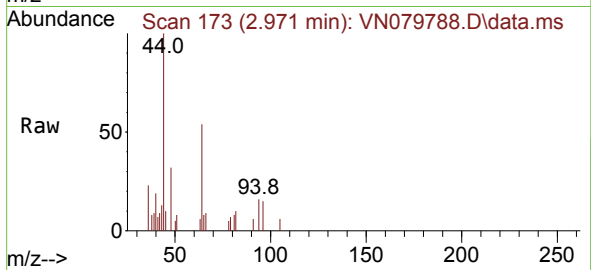




#5
Bromomethane
Concen: 0.455 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

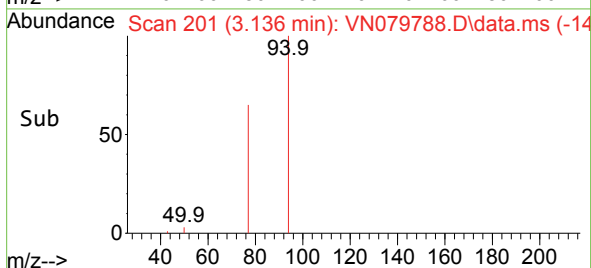
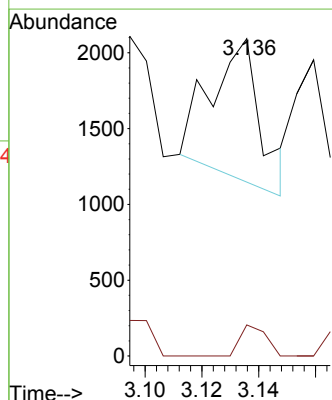
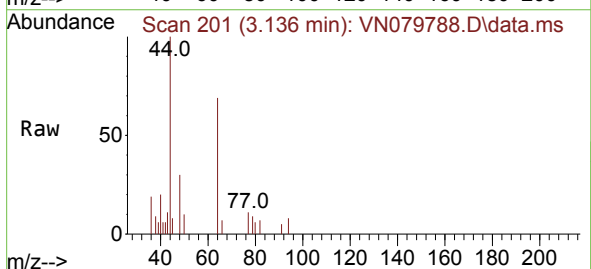
Instrument :
MSVOA_N
ClientSampleId :

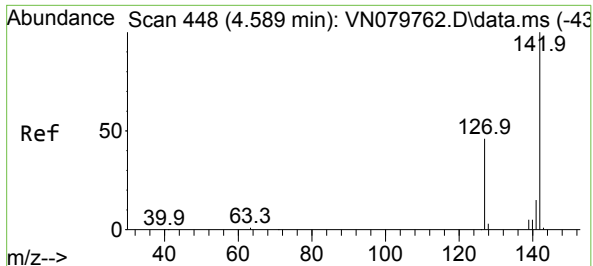
Tgt Ion: 94 Resp: 881
Ion Ratio Lower Upper
94 100
96 91.5 73.1 109.7



#6
Chloroethane
Concen: 0.425 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

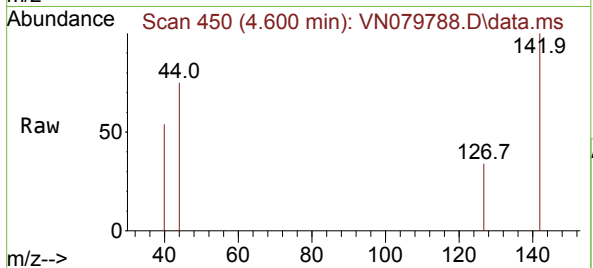
Tgt Ion: 64 Resp: 1070
Ion Ratio Lower Upper
64 100
66 26.9 25.4 38.2



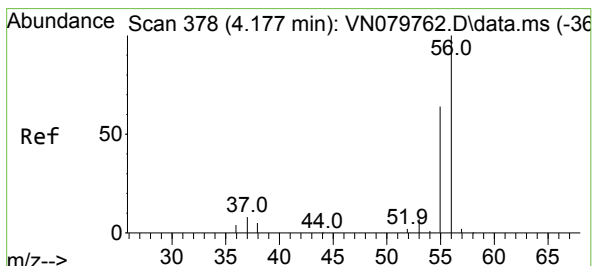
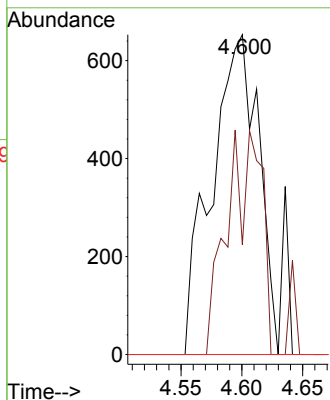
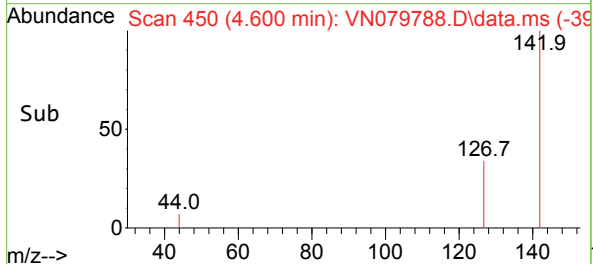


#10
Methyl Iodide
Concen: 0.671 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Instrument :
MSVOA_N
ClientSampleId :

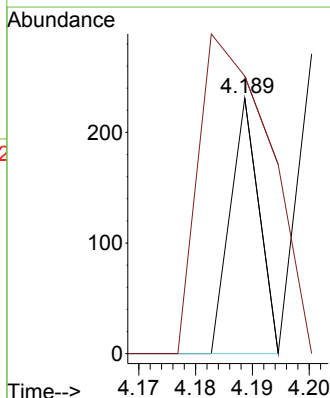
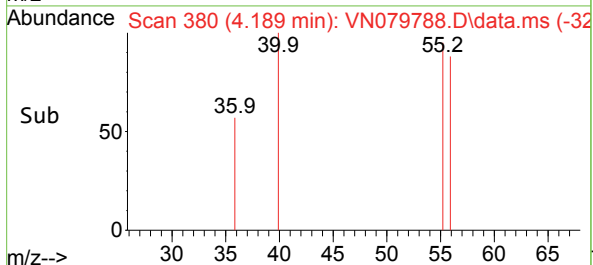
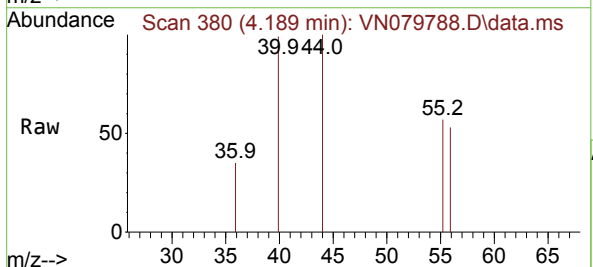


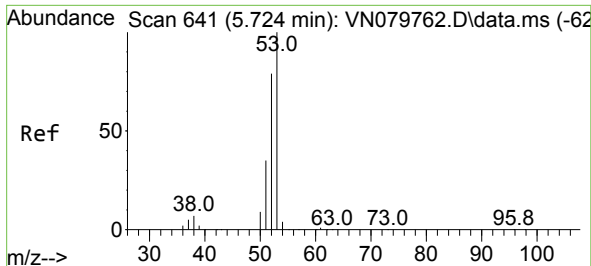
Tgt Ion:142 Resp: 1759
Ion Ratio Lower Upper
142 100
127 34.3 37.6 56.4#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 2.799 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

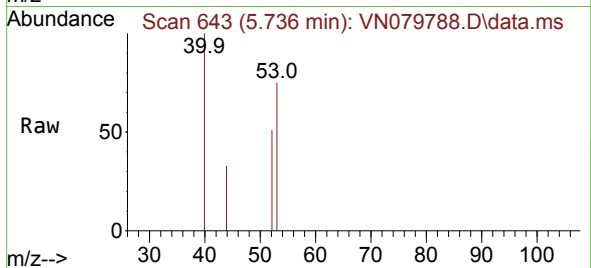
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 306.1 54.5 81.7#



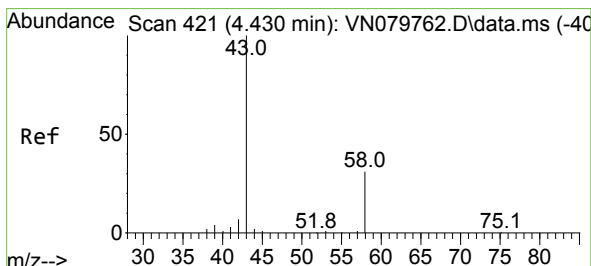
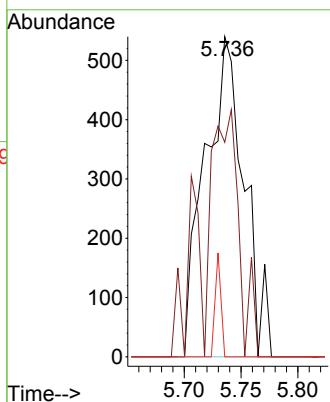
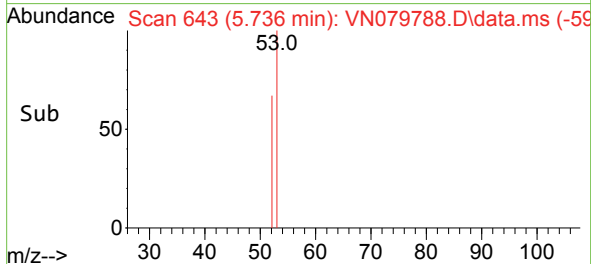


#15
Acrylonitrile
Concen: 1.051 ug/l
RT: 5.736 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Instrument :
MSVOA_N
ClientSampleId :

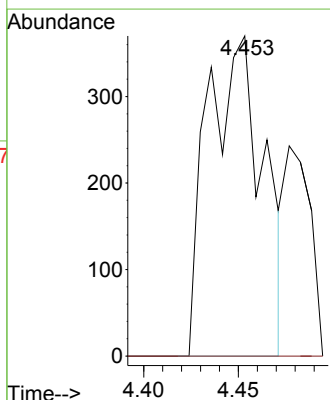
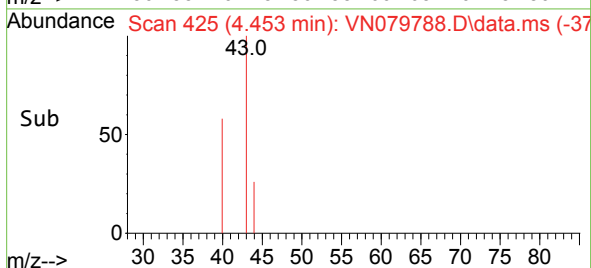
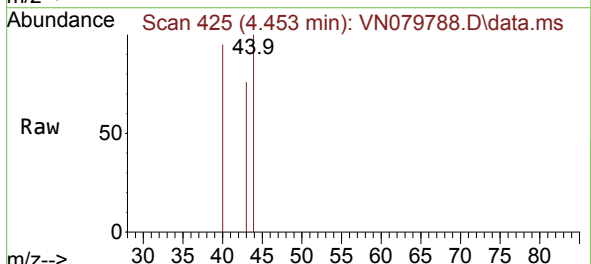


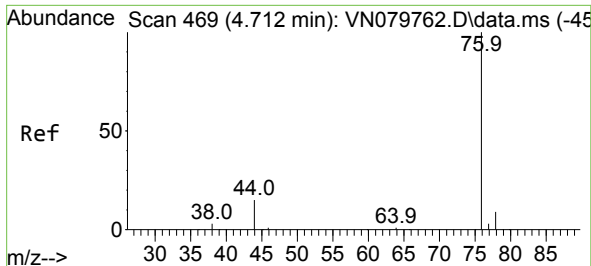
Tgt Ion: 53 Resp: 1287
Ion Ratio Lower Upper
53 100
52 53.2 65.3 97.9#
51 4.8 28.9 43.3#



#16
Acetone
Concen: 0.699 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.024 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

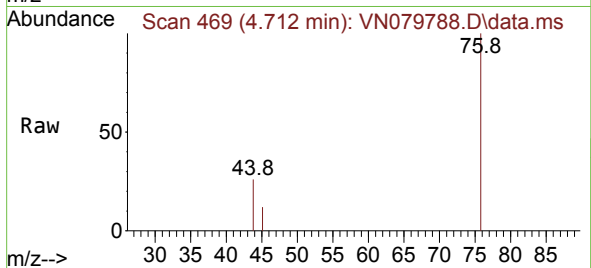
Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



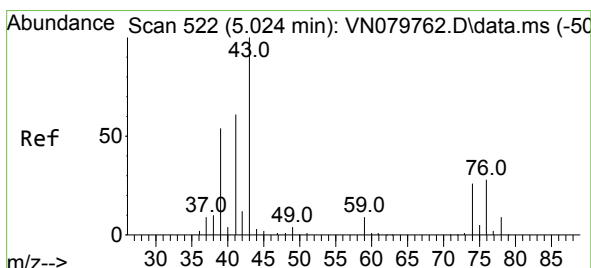
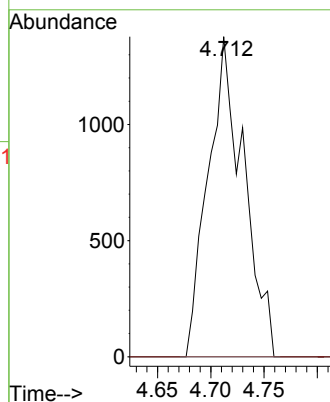
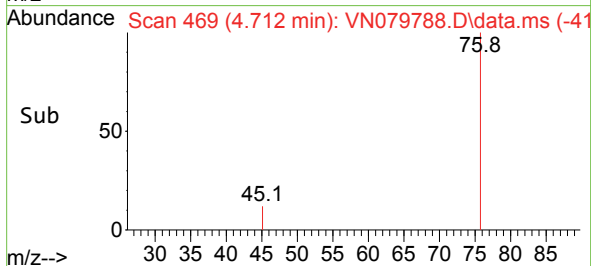


#17
Carbon Disulfide
Concen: 0.510 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

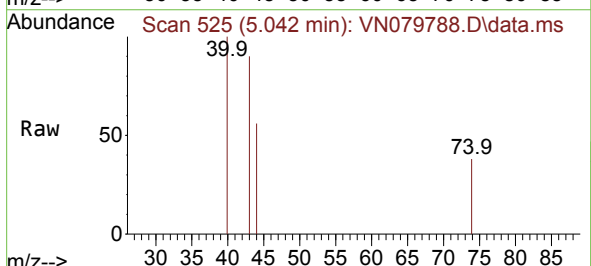
Instrument :
MSVOA_N
ClientSampleId :



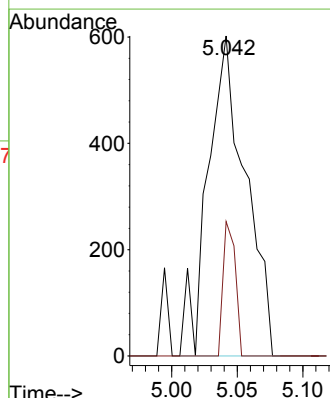
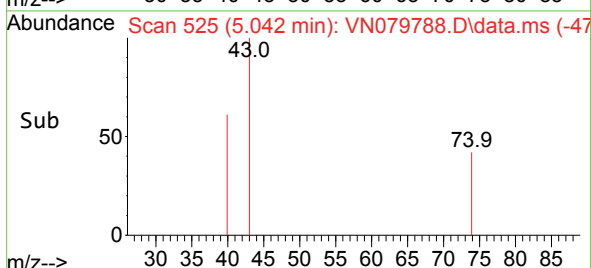
Tgt Ion: 76 Resp: 3198
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

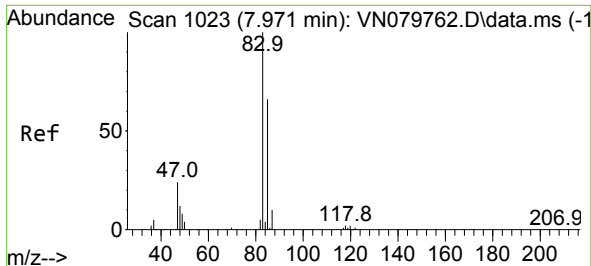


#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26



Tgt Ion: 43 Resp: 1203
Ion Ratio Lower Upper
43 100
74 13.5 26.2 39.4#





#30

Chloroform

Concen: 0.475 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

Instrument :

MSVOA_N

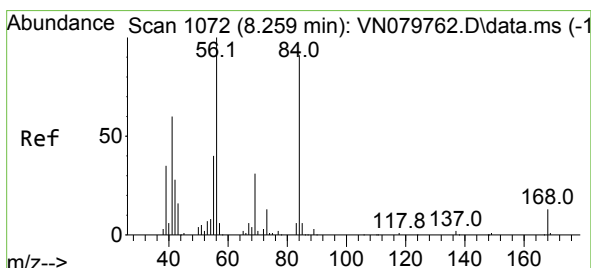
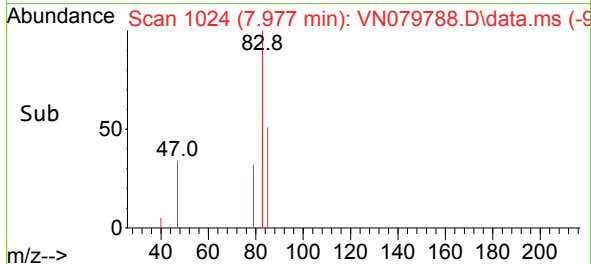
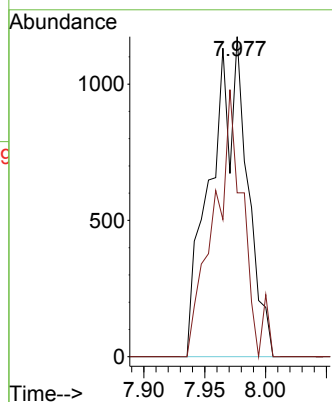
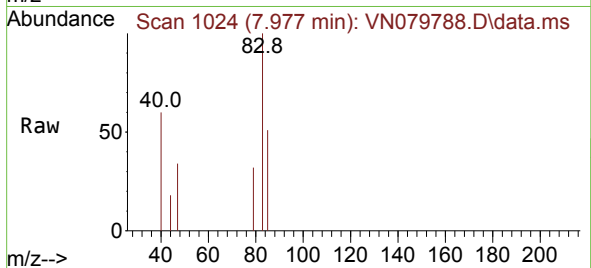
ClientSampleId :

Tgt Ion: 83 Resp: 2421

Ion Ratio Lower Upper

83 100

85 51.2 55.4 83.0#



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

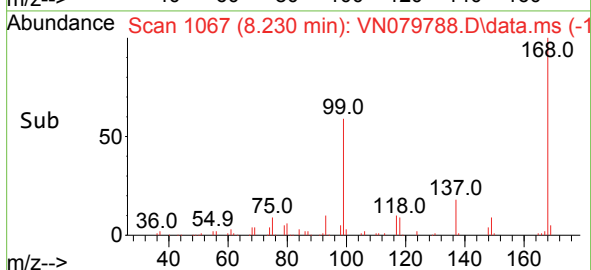
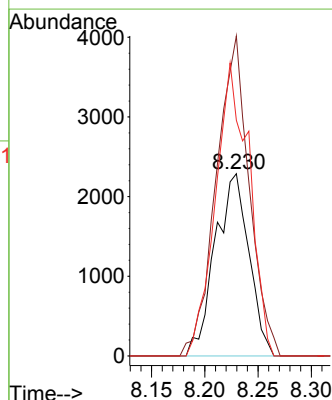
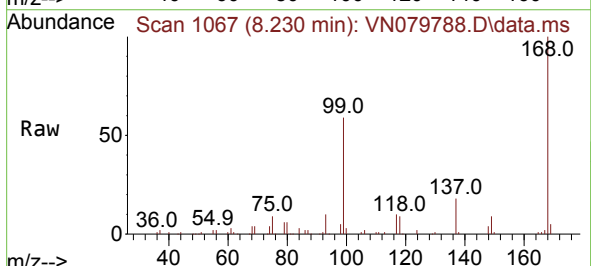
Tgt Ion: 56 Resp: 5052

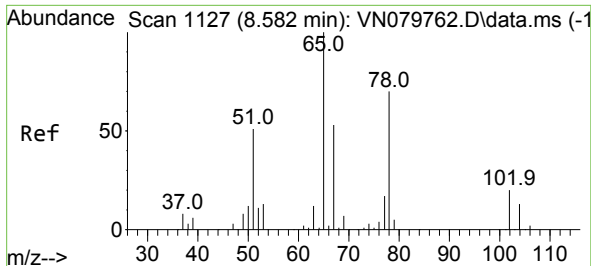
Ion Ratio Lower Upper

56 100

69 175.6 26.8 40.2#

84 129.3 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.704 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

Instrument :

MSVOA_N

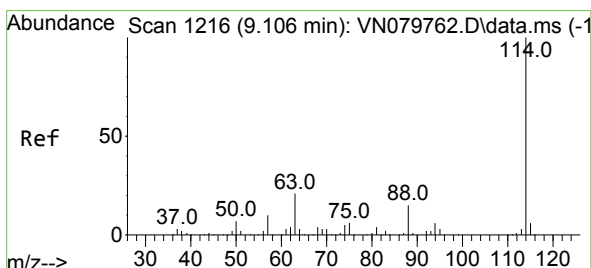
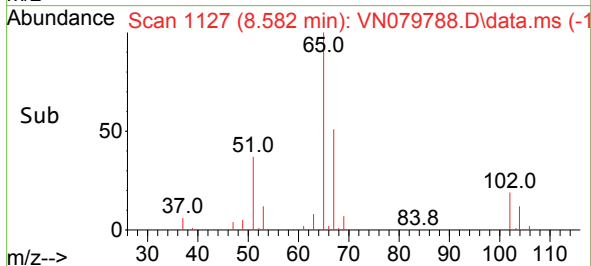
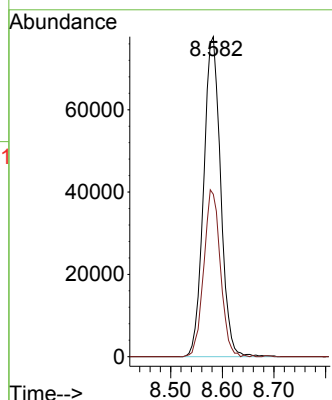
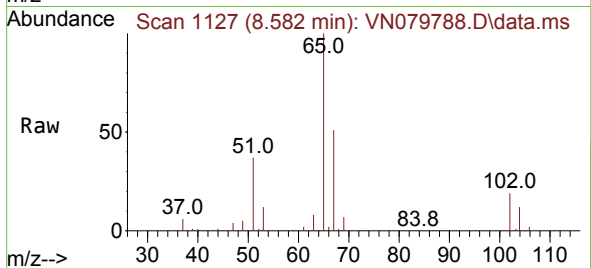
ClientSampleId :

Tgt Ion: 65 Resp: 177643

Ion Ratio Lower Upper

65 100

67 50.9 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: VN079788.D

Acq: 02 Nov 2023 11:26

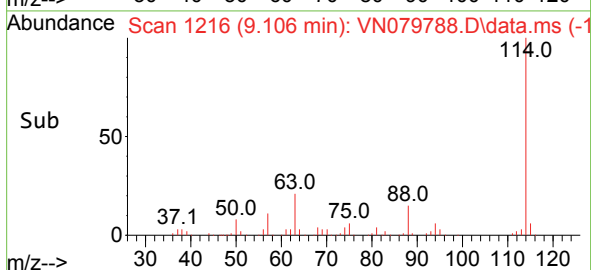
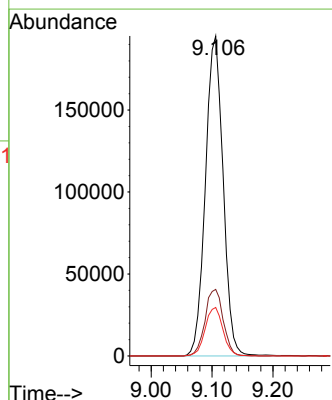
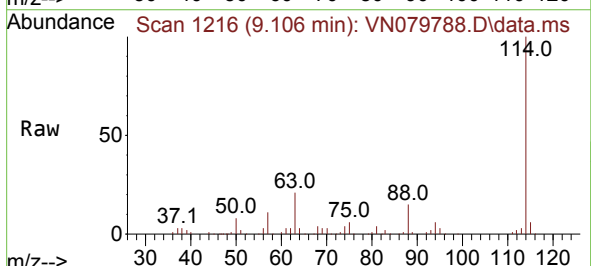
Tgt Ion: 114 Resp: 394009

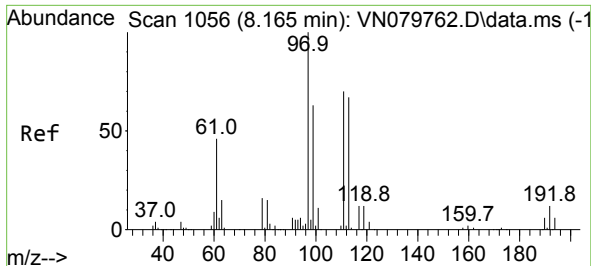
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

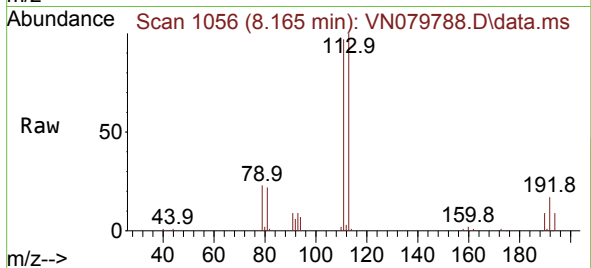
88 15.2 0.0 30.6



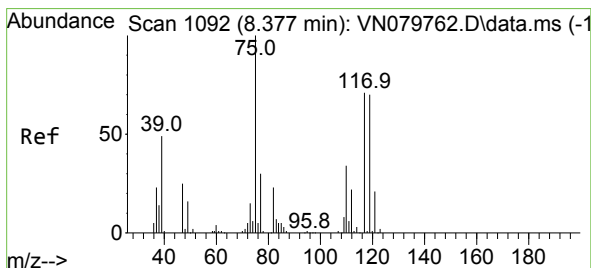
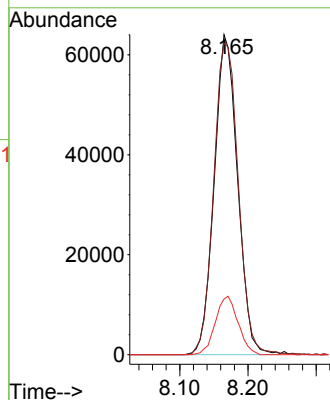
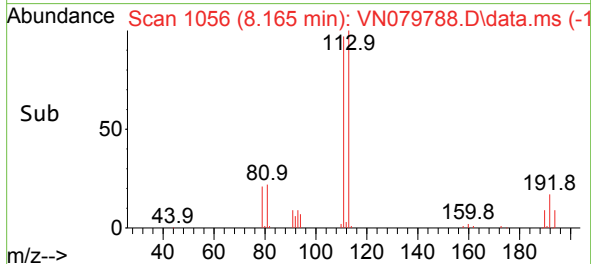


#35
Dibromofluoromethane
Concen: 54.739 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Instrument :
MSVOA_N
ClientSampleId :

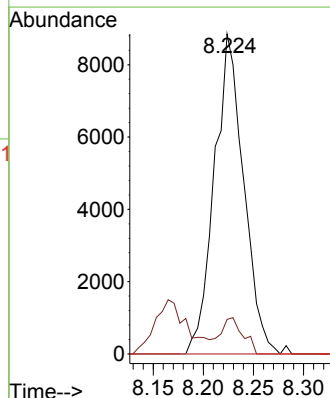
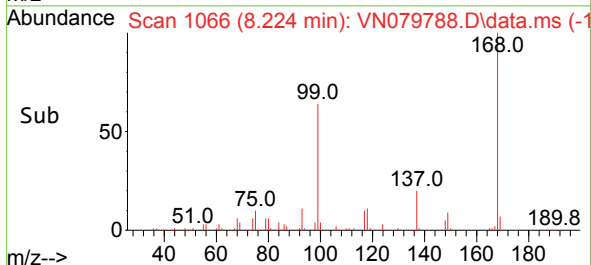
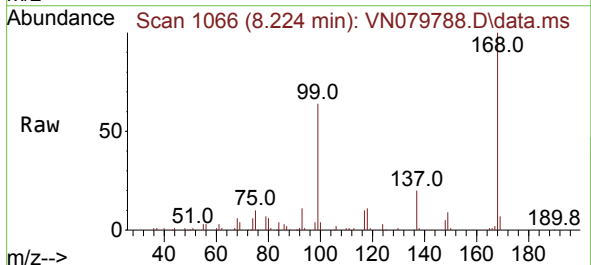


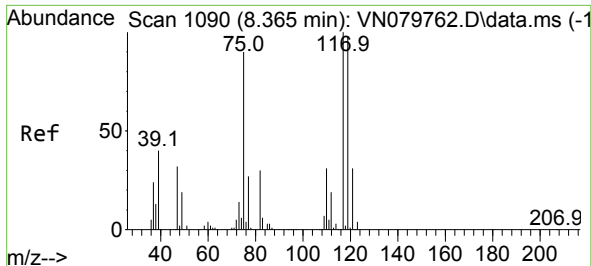
Tgt Ion:113 Resp: 152646
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

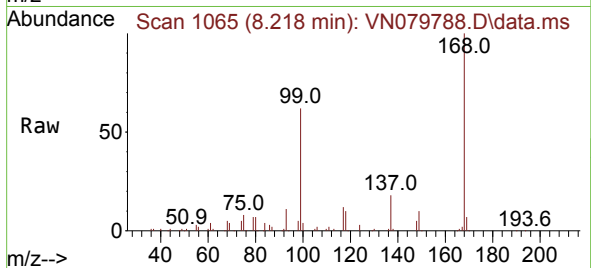
Tgt Ion: 75 Resp: 17993
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#



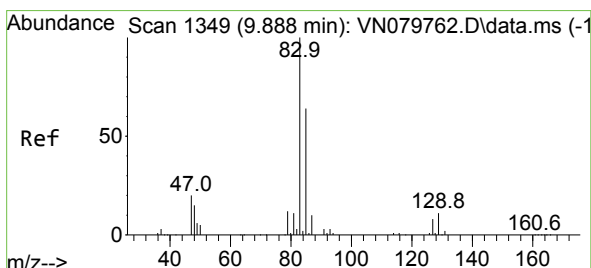
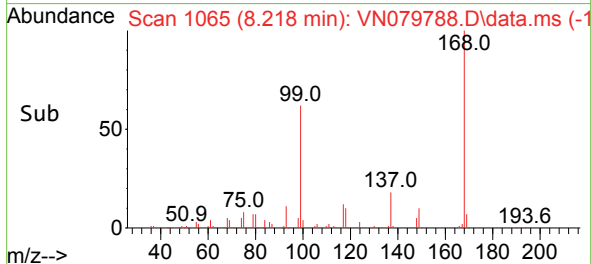
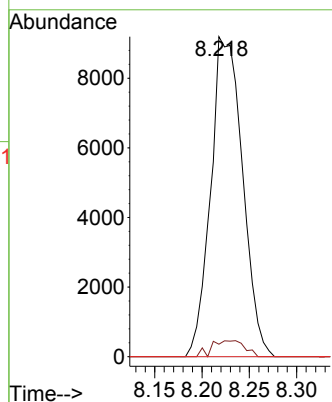


#38
Carbon Tetrachloride
Concen: 5.352 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Instrument :
MSVOA_N
ClientSampleId :

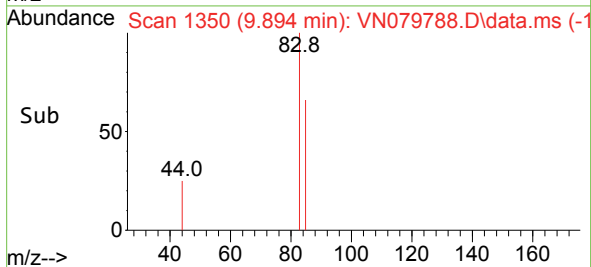
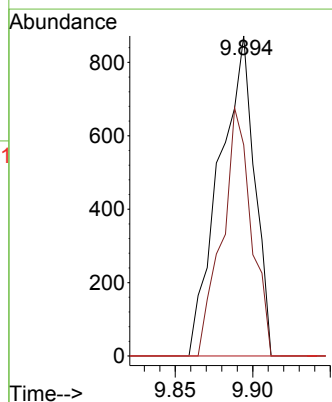
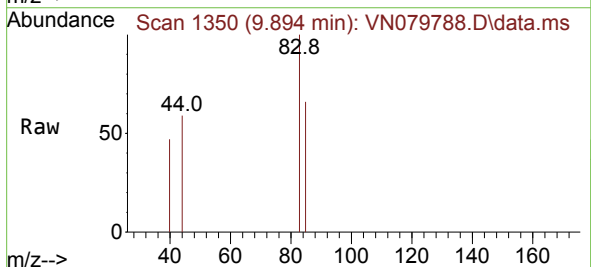


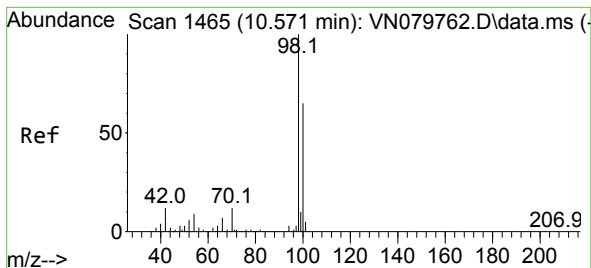
Tgt Ion:117 Resp: 21478
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 23.3 34.9#



#47
Bromodichloromethane
Concen: 0.310 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Tgt Ion: 83 Resp: 1377
Ion Ratio Lower Upper
83 100
85 65.9 49.6 74.4
127 0.0 7.0 10.6#

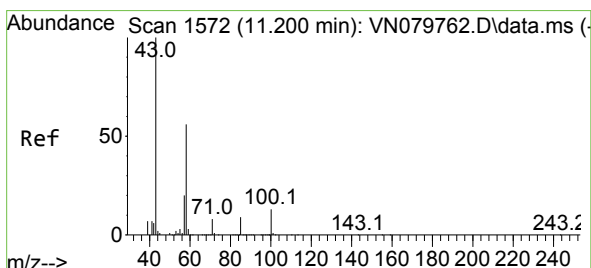
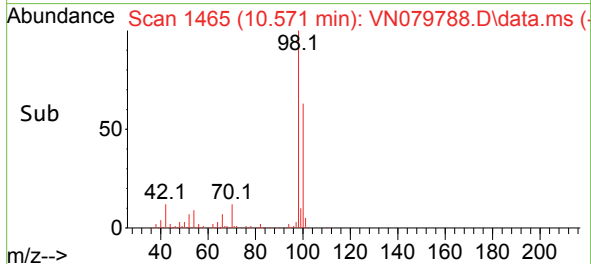
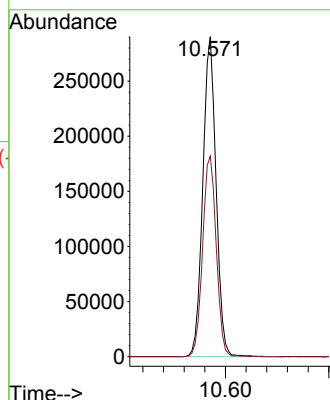
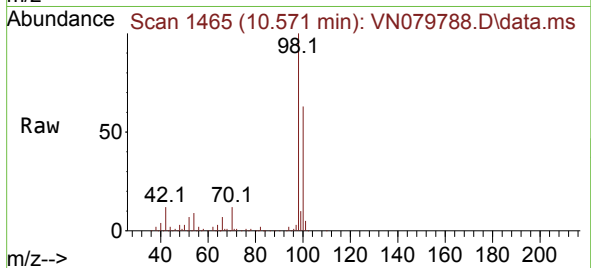




#50
Toluene-d8
Concen: 50.271 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

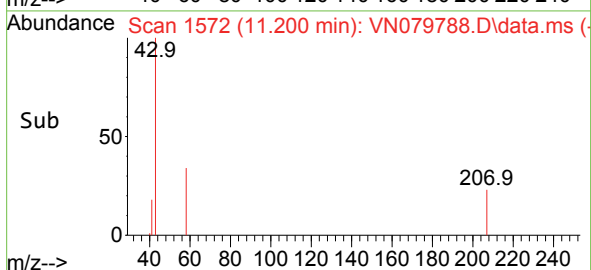
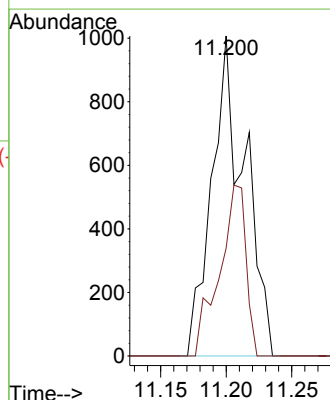
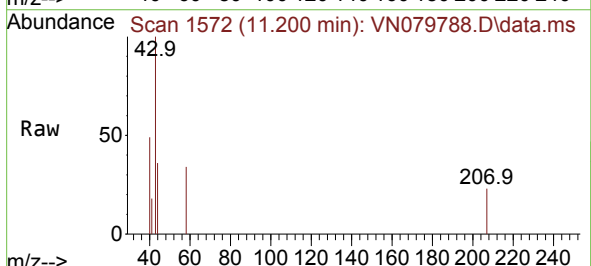
Instrument :
MSVOA_N
ClientSampleId :

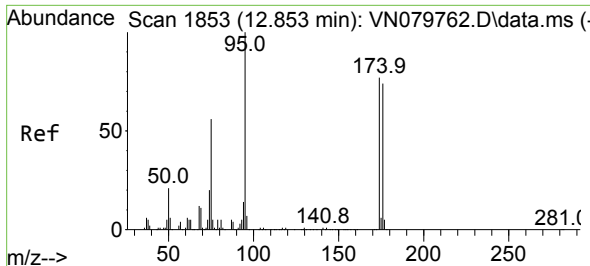
Tgt Ion: 98 Resp: 516076
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#59
2-Hexanone
Concen: 0.640 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
58 43.0 31.7 95.1

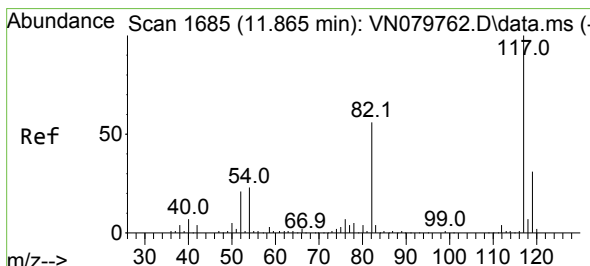
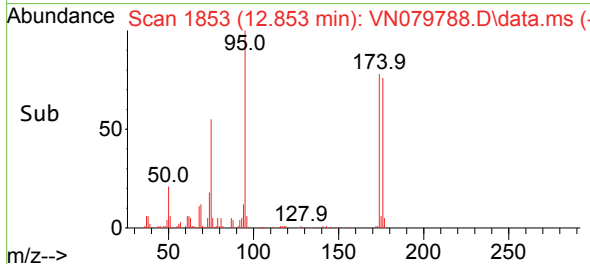
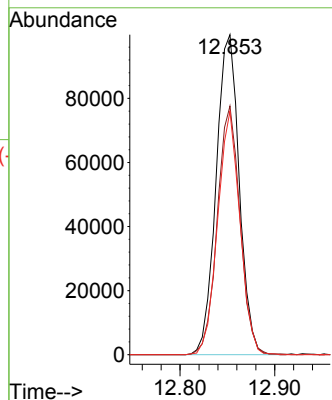
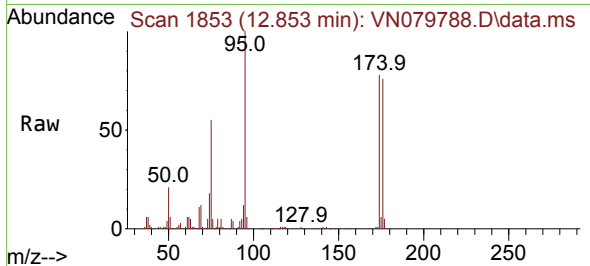




#62
4-Bromofluorobenzene
Concen: 49.794 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

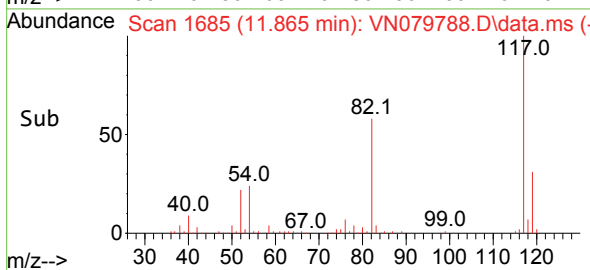
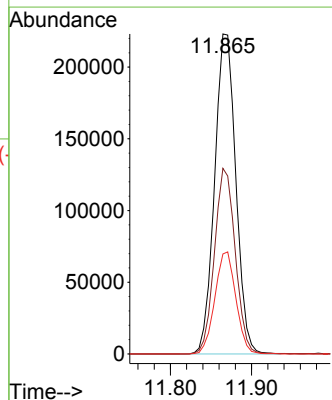
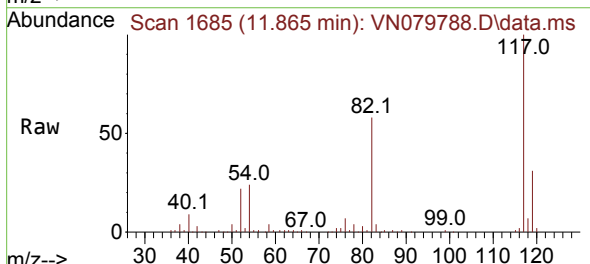
Instrument :
MSVOA_N
ClientSampleId :

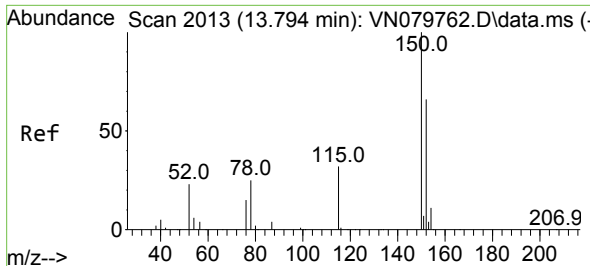
Tgt Ion: 95 Resp: 169535
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

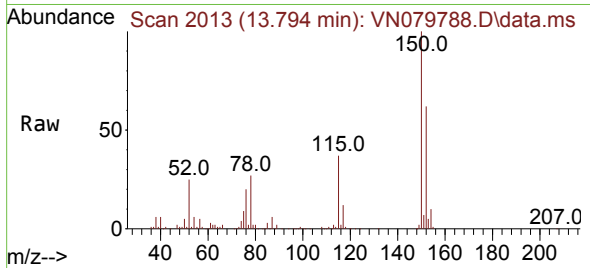
Tgt Ion: 117 Resp: 406003
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 31.3 25.6 38.4



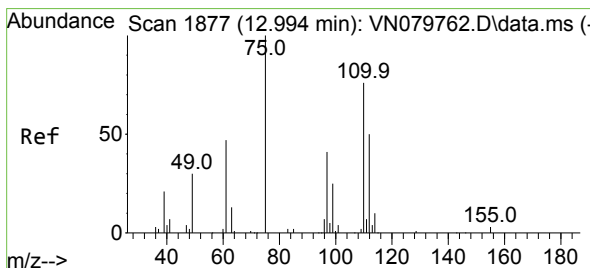
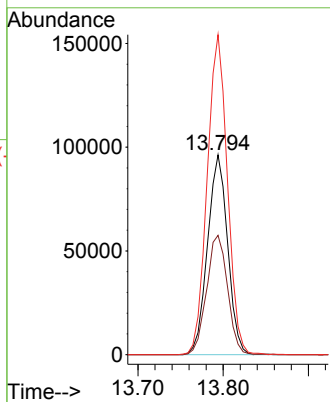
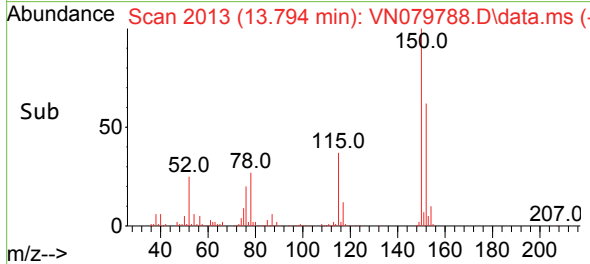


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079788.D
 Acq: 02 Nov 2023 11:26

Instrument :
 MSVOA_N
 ClientSampleId :

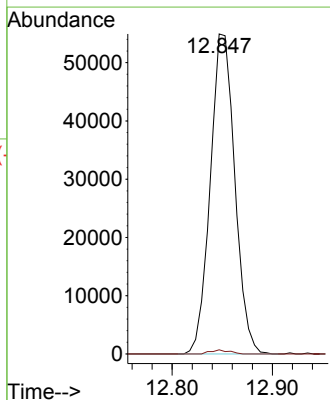
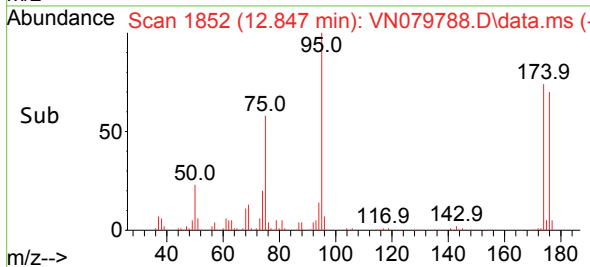
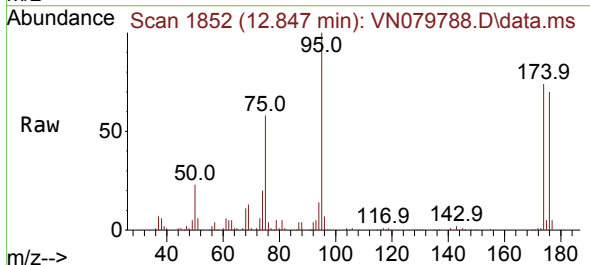


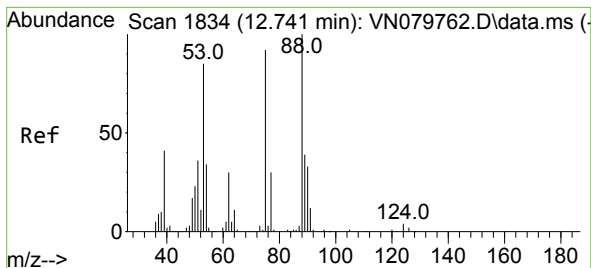
Tgt Ion:152 Resp: 157892
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.3 96.8
 150 160.7 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 25.253 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN079788.D
 Acq: 02 Nov 2023 11:26

Tgt Ion: 75 Resp: 93607
 Ion Ratio Lower Upper
 75 100
 77 1.0 84.5 253.5#

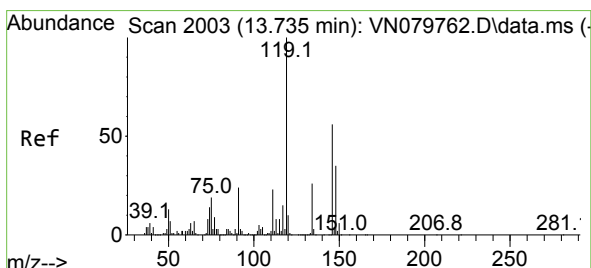
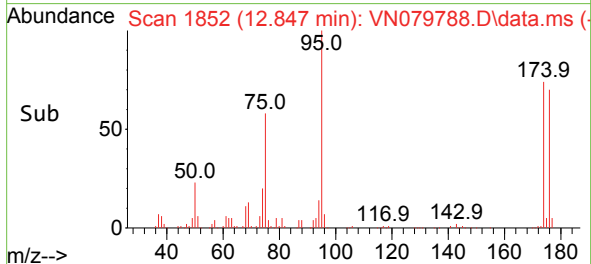
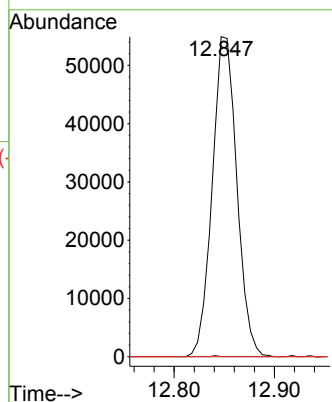
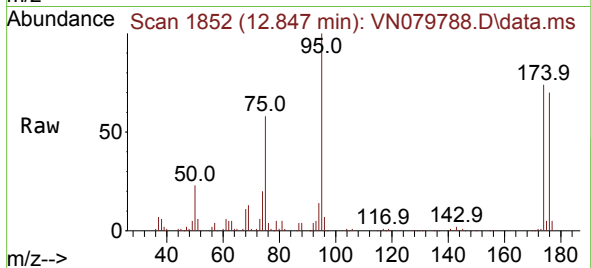




#81
trans-1,4-Dichloro-2-butene
Concen: 68.706 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

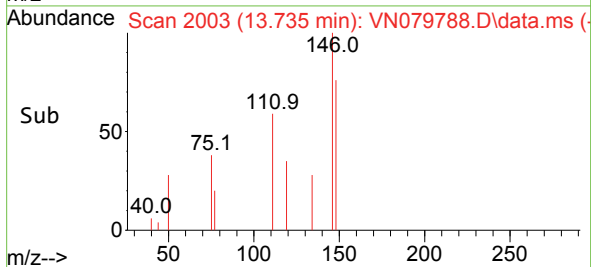
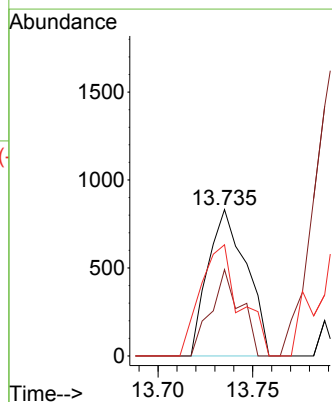
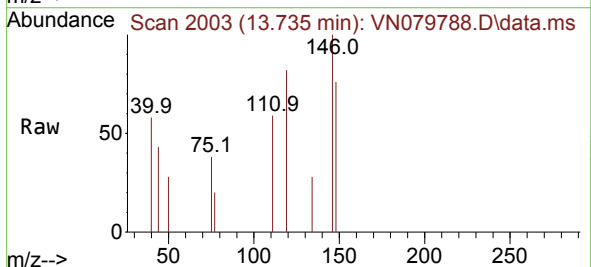
Instrument :
MSVOA_N
ClientSampleId :

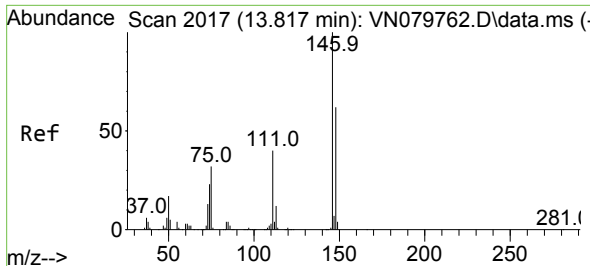
Tgt Ion: 75 Resp: 93607
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#87
1,3-Dichlorobenzene
Concen: 0.216 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Tgt Ion:146 Resp: 1177
Ion Ratio Lower Upper
146 100
111 45.4 22.1 66.3
148 78.3 32.0 96.0

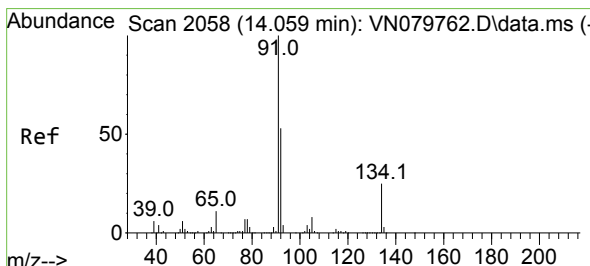
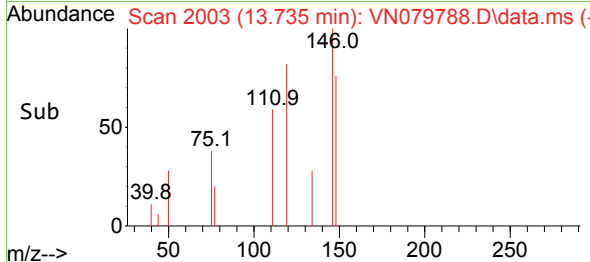
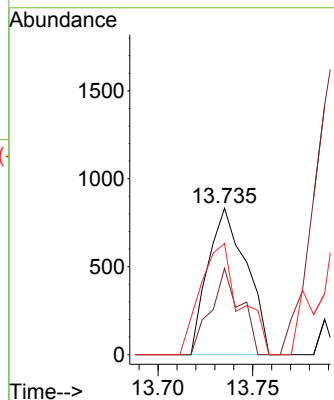
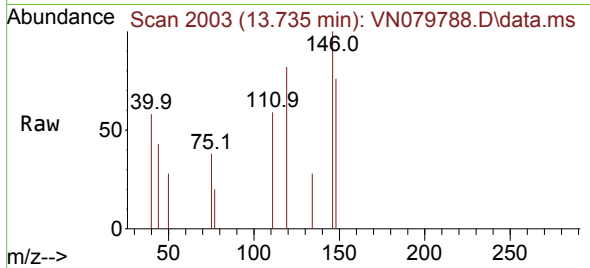




#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.735 min Scan# 2017
Delta R.T. -0.082 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

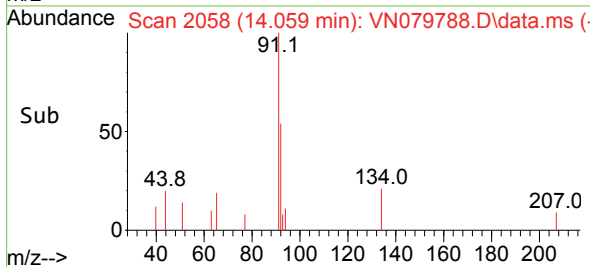
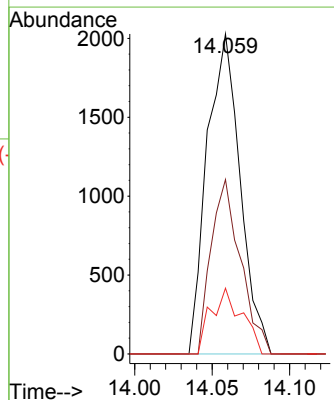
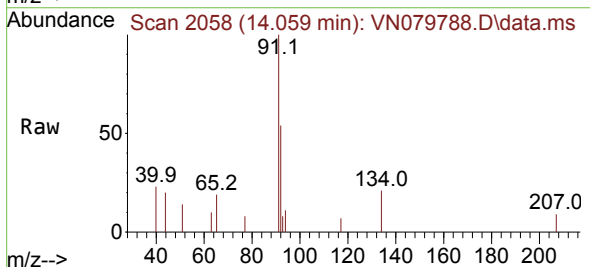
Instrument :
MSVOA_N
ClientSampleId :

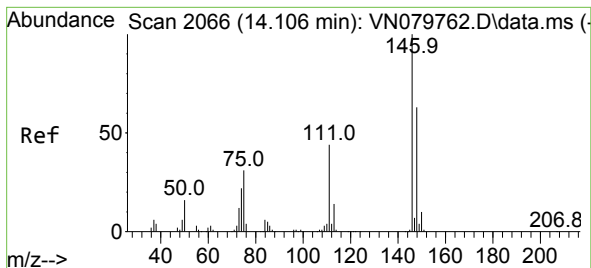
Tgt Ion:146 Resp: 1177
Ion Ratio Lower Upper
146 100
111 45.4 20.6 61.8
148 78.3 31.6 94.8



#89
n-Butylbenzene
Concen: 0.405 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079788.D
Acq: 02 Nov 2023 11:26

Tgt Ion: 91 Resp: 3007
Ion Ratio Lower Upper
91 100
92 48.6 26.4 79.0
134 19.1 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.279 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

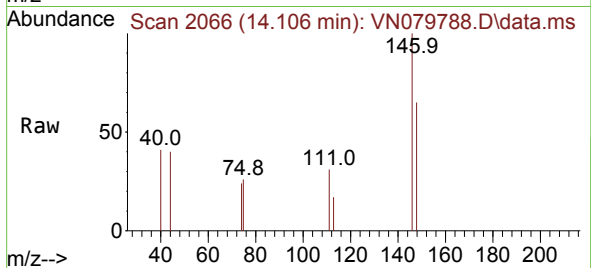
Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

Instrument :

MSVOA_N

ClientSampleId :



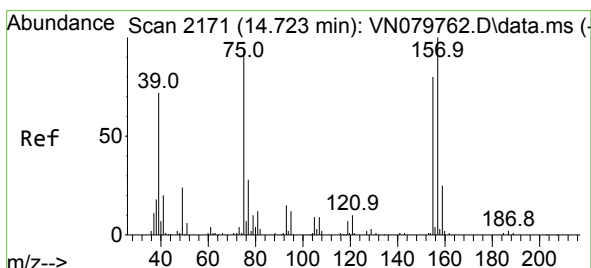
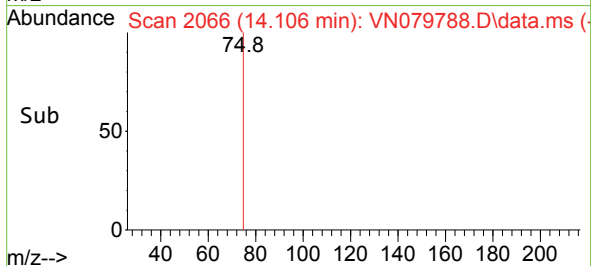
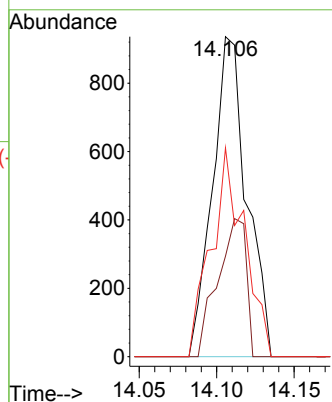
Tgt Ion:146 Resp: 1437

Ion Ratio Lower Upper

146 100

111 35.8 22.0 66.0

148 63.5 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.339 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

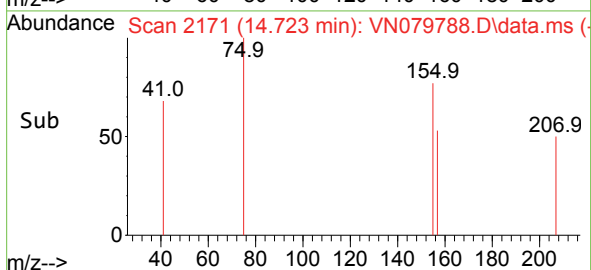
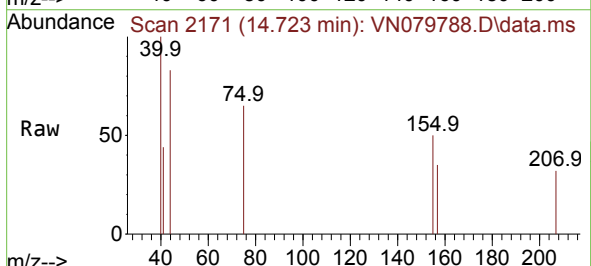
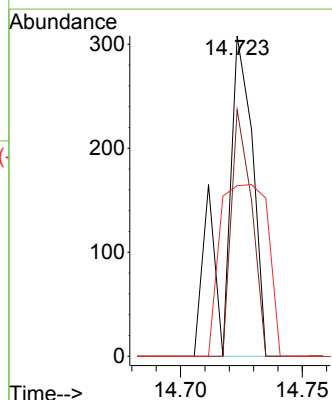
Tgt Ion: 75 Resp: 244

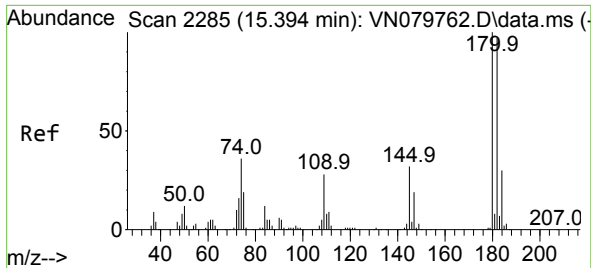
Ion Ratio Lower Upper

75 100

155 56.1 39.1 117.2

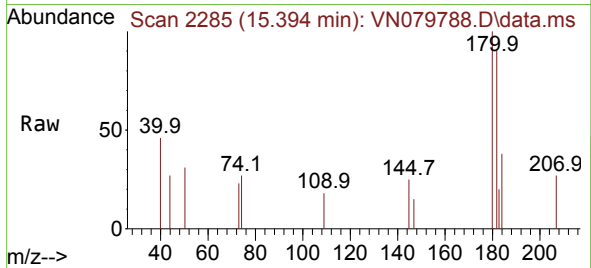
157 91.8 50.3 150.9



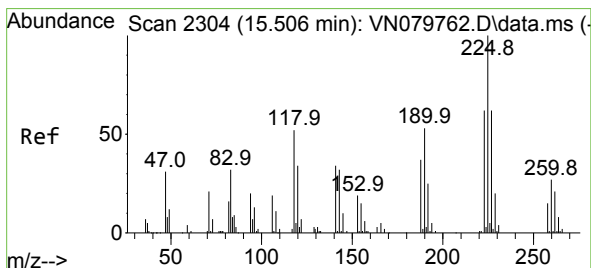
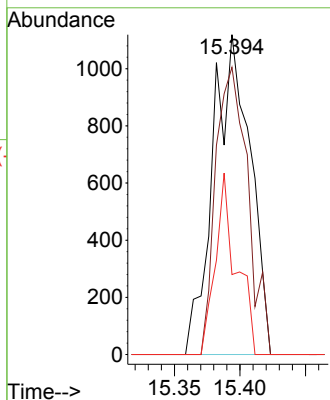
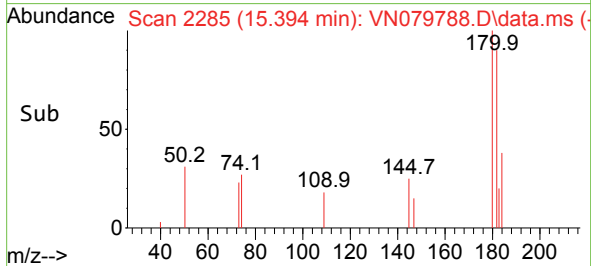


#93
 1,2,4-Trichlorobenzene
 Concen: 0.902 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN079788.D
 Acq: 02 Nov 2023 11:26

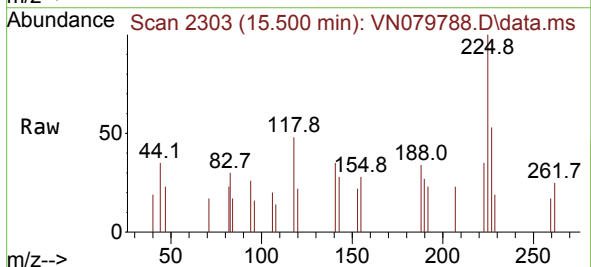
Instrument :
 MSVOA_N
 ClientSampleId :



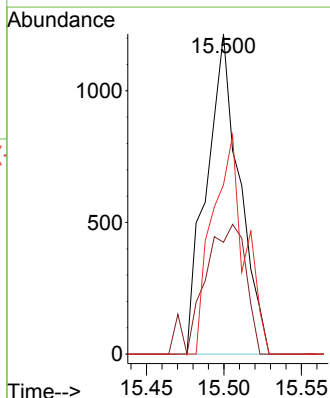
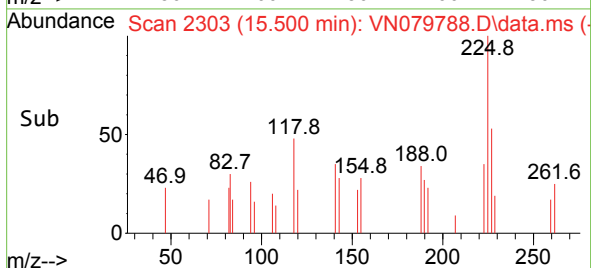
Tgt Ion:180 Resp: 2209
 Ion Ratio Lower Upper
 180 100
 182 77.3 46.1 138.2
 145 31.8 16.6 49.8

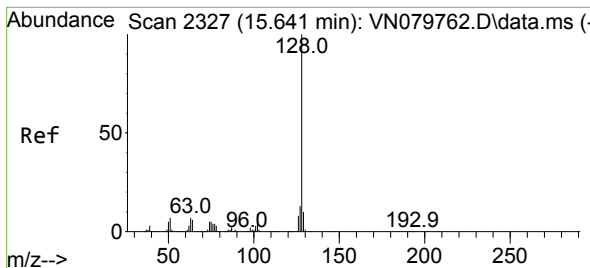


#94
 Hexachlorobutadiene
 Concen: 1.620 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.006 min
 Lab File: VN079788.D
 Acq: 02 Nov 2023 11:26



Tgt Ion:225 Resp: 1799
 Ion Ratio Lower Upper
 225 100
 223 51.4 31.3 93.8
 227 66.8 31.9 95.9





#95

Naphthalene

Concen: 0.998 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN079788.D

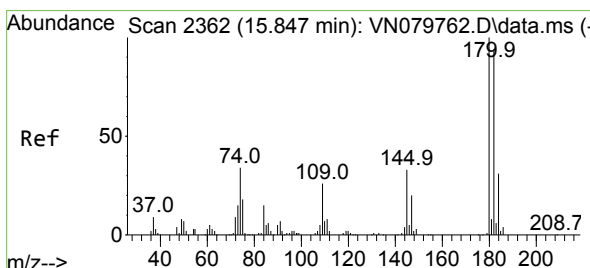
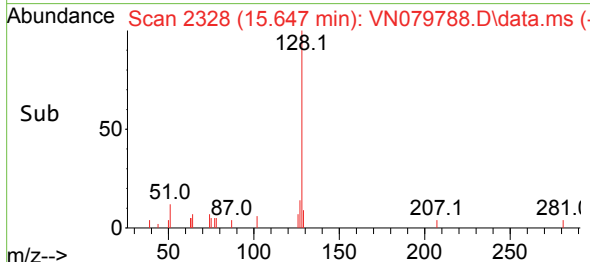
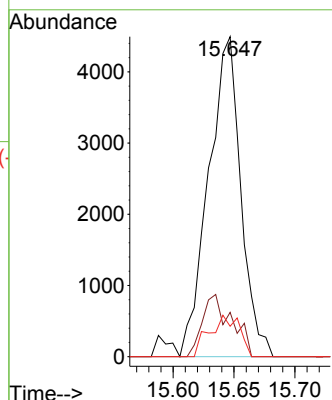
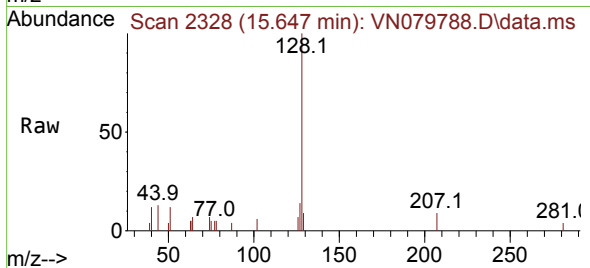
Acq: 02 Nov 2023 11:26

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	8294
Ion Ratio	Lower	Upper
128	100	
127	17.7	10.0 15.0#
129	12.0	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.139 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN079788.D

Acq: 02 Nov 2023 11:26

Tgt Ion:180	Resp:	2735
Ion Ratio	Lower	Upper
180	100	
182	86.8	46.2 138.6
145	35.2	17.5 52.6

