

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079881.D
 Acq On : 04 Nov 2023 06:43
 Operator : JC\MD
 Sample : 05223-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:28:00 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)

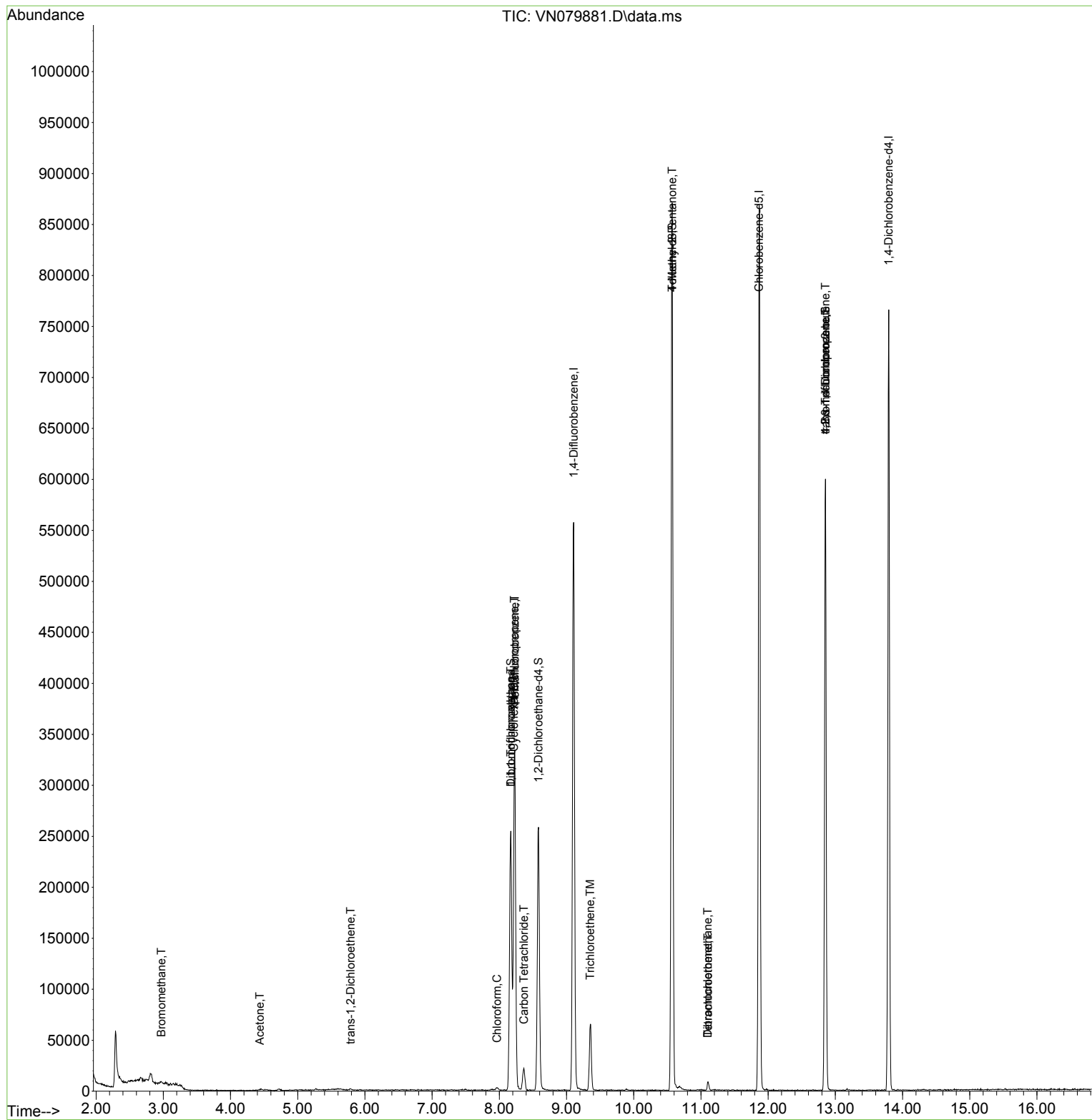
Internal Standards						
1) Pentafluorobenzene	8.230	168	234194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	469961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	493765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	195172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210209	58.915	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.820%	
35) Dibromofluoromethane	8.171	113	171860	51.669	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.340%	
50) Toluene-d8	10.571	98	595714	48.650	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.300%	
62) 4-Bromofluorobenzene	12.853	95	199400	49.101	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1513	Below Cal	#	42
5) Bromomethane	2.971	94	651	0.290	ug/l	81
16) Acetone	4.436	43	851	0.679	ug/l #	87
21) trans-1,2-Dichloroethene	5.789	96	743	0.264	ug/l #	60
30) Chloroform	7.965	83	2807	0.475	ug/l #	81
31) Cyclohexane	8.218	56	6485	1.375	ug/l #	45
32) 1,1,1-Trichloroethane	8.171	97	10404	2.162	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	21655	4.560	ug/l #	47
38) Carbon Tetrachloride	8.365	117	15649	3.269	ug/l	99
44) Trichloroethene	9.353	130	23052	6.531	ug/l	93
51) 4-Methyl-2-Pentanone	10.571	43	2995	0.696	ug/l #	1
60) Dibromochloromethane	11.100	129	2074	0.571	ug/l #	11
64) Tetrachloroethene	11.106	164	2092	0.654	ug/l #	79
76) 1,2,3-Trichloropropane	12.853	75	110968	24.218	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110968	65.891	ug/l #	15

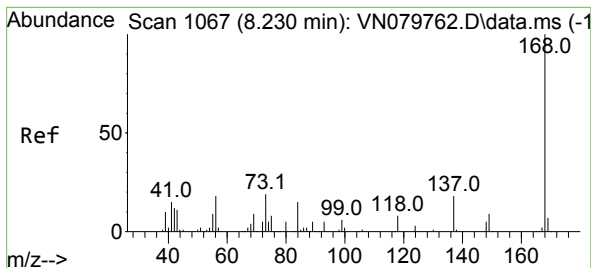
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

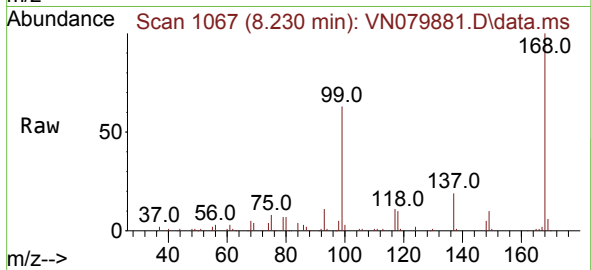
Lab File: VN079881.D

Acq: 04 Nov 2023 06:43

Instrument :

MSVOA_N

ClientSampleId :

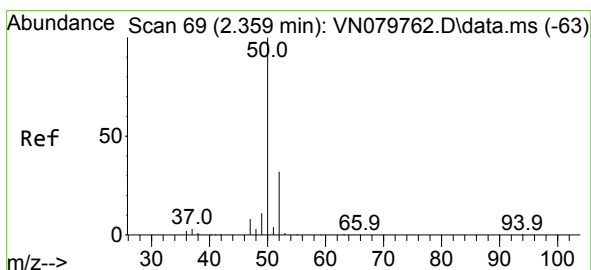
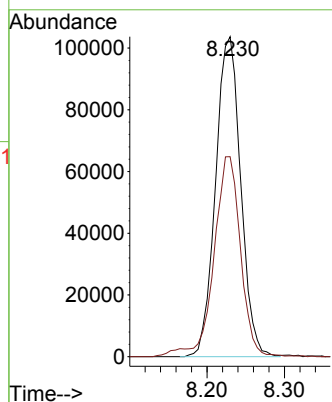
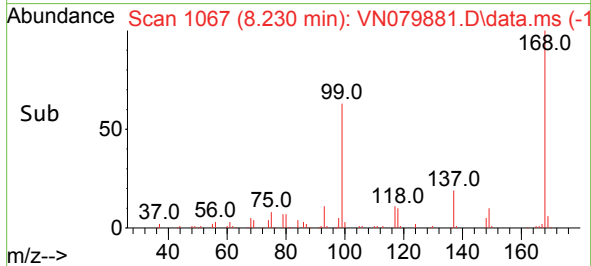


Tgt Ion:168 Resp: 234194

Ion Ratio Lower Upper

168 100

99 62.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079881.D

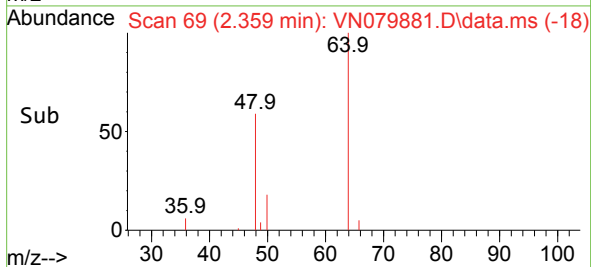
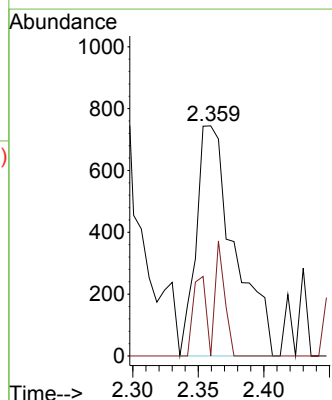
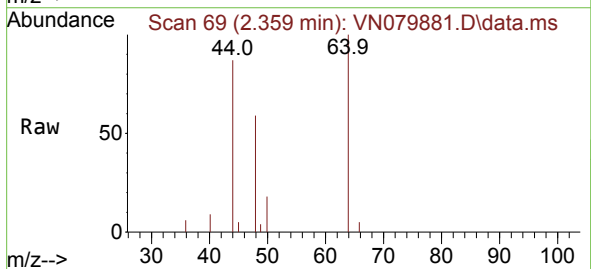
Acq: 04 Nov 2023 06:43

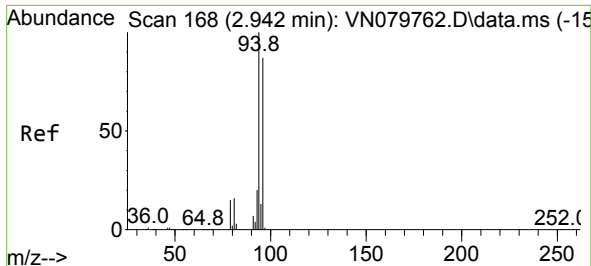
Tgt Ion: 50 Resp: 1513

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

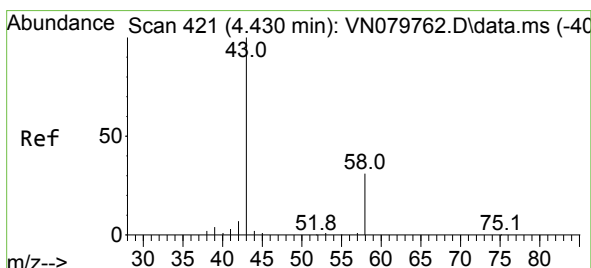
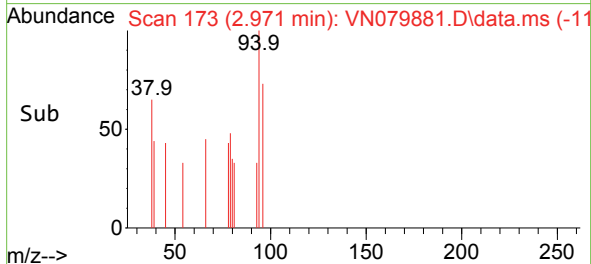
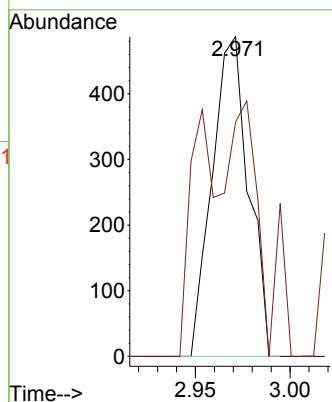
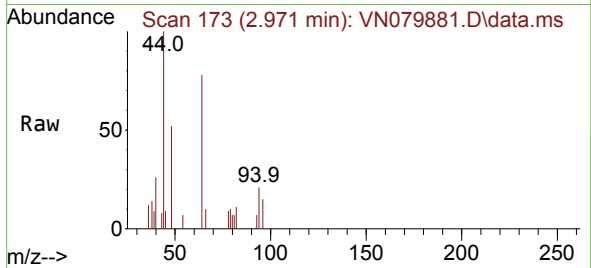




#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

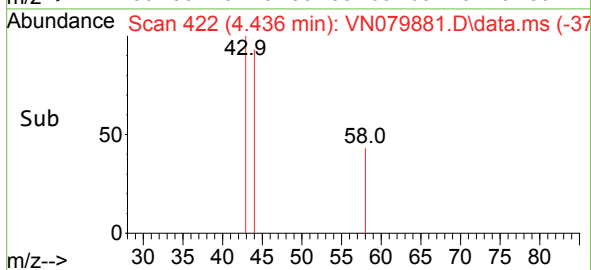
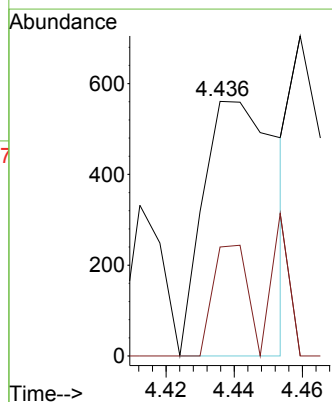
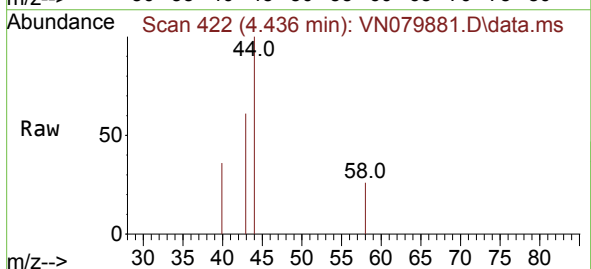
Instrument :
MSVOA_N
ClientSampleId :

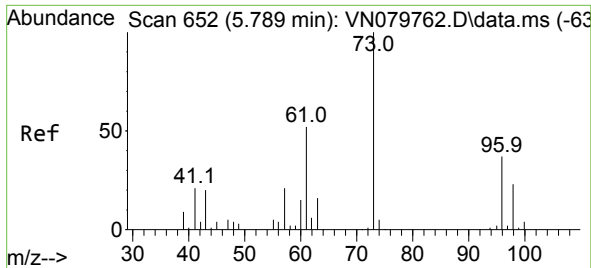
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 73.3 73.1 109.7



#16
Acetone
Concen: 0.679 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 42.8 28.0 42.0#

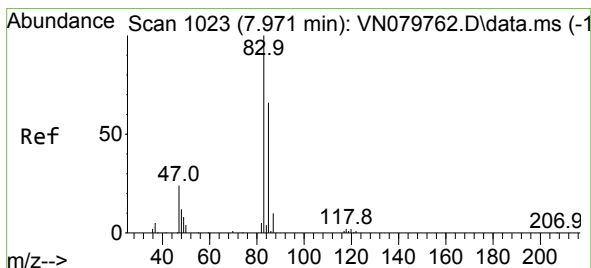
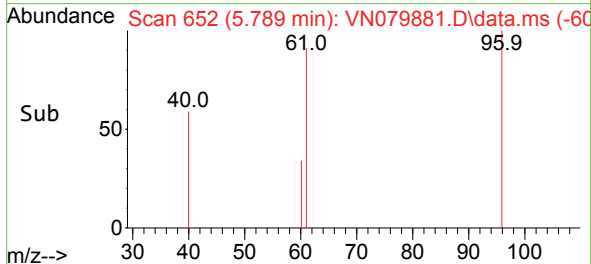
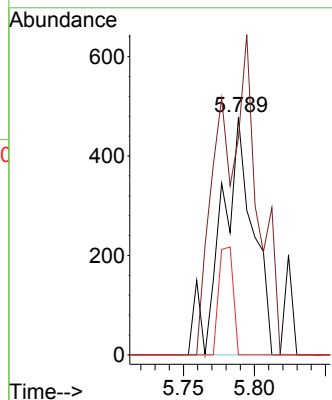
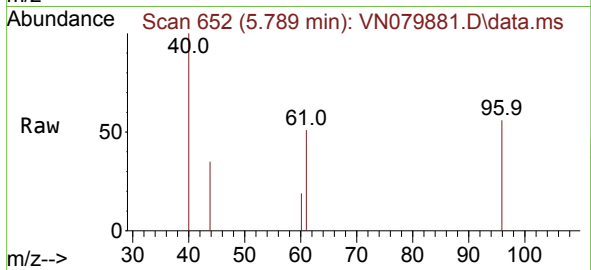




#21
trans-1,2-Dichloroethene
Concen: 0.264 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

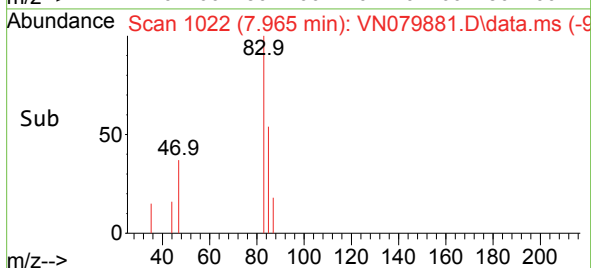
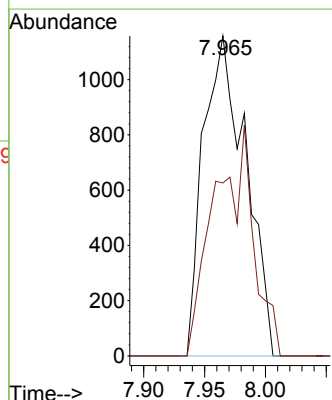
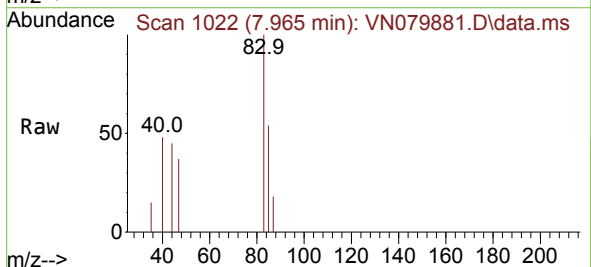
Instrument :
MSVOA_N
ClientSampleId :

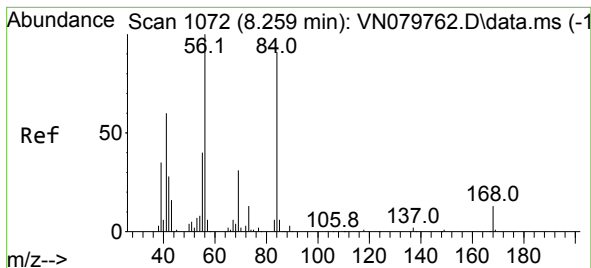
Tgt Ion: 96 Resp: 743
Ion Ratio Lower Upper
96 100
61 91.2 90.1 135.1
98 0.0 46.4 69.6#



#30
Chloroform
Concen: 0.475 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Tgt Ion: 83 Resp: 2807
Ion Ratio Lower Upper
83 100
85 54.1 55.4 83.0#





#31

Cyclohexane

Concen: 1.375 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

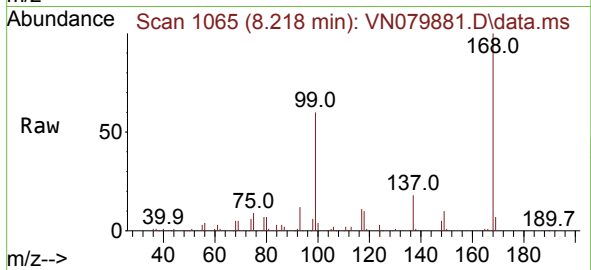
Lab File: VN079881.D

Acq: 04 Nov 2023 06:43

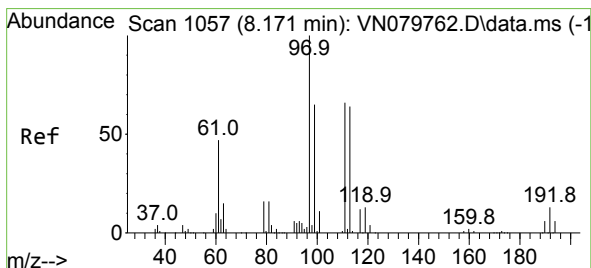
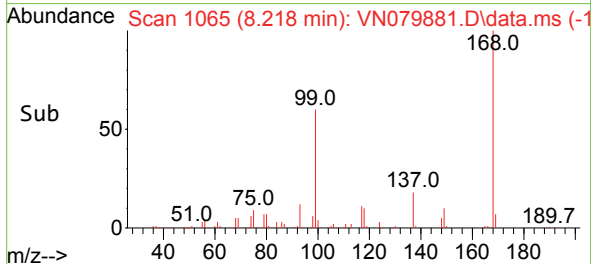
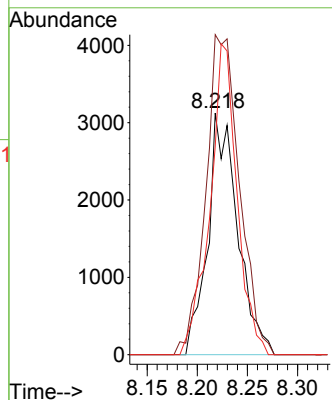
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	6485
Ion	Ratio	Lower	Upper
56	100		
69	132.4	26.8	40.2#
84	86.2	81.8	122.6



#32

1,1,1-Trichloroethane

Concen: 2.162 ug/l

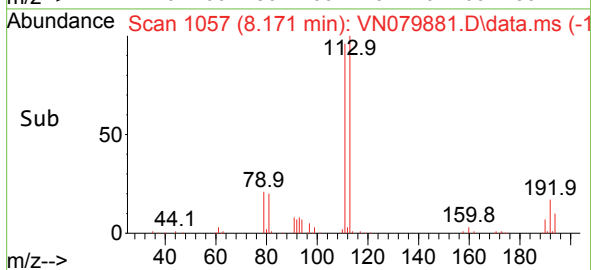
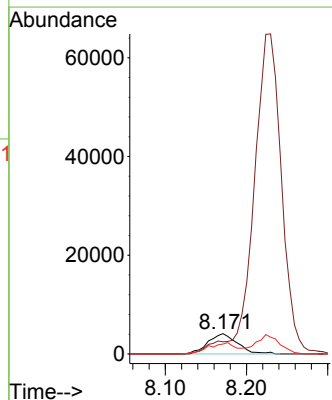
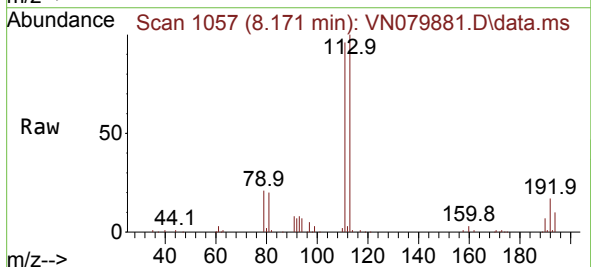
RT: 8.171 min Scan# 1057

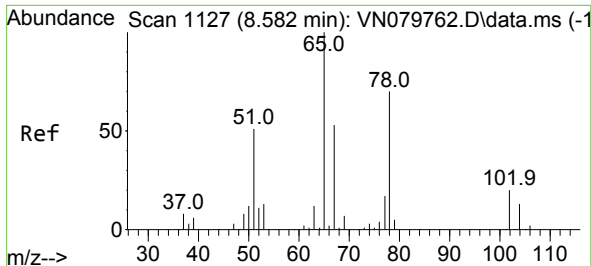
Delta R.T. 0.000 min

Lab File: VN079881.D

Acq: 04 Nov 2023 06:43

Tgt Ion:	97	Resp:	10404
Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.3	75.5#
61	51.8	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 58.915 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079881.D

Acq: 04 Nov 2023 06:43

Instrument :

MSVOA_N

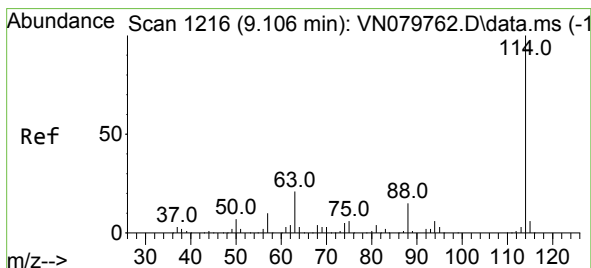
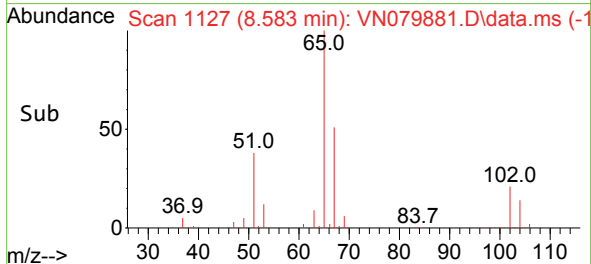
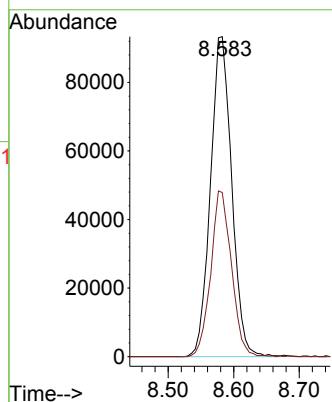
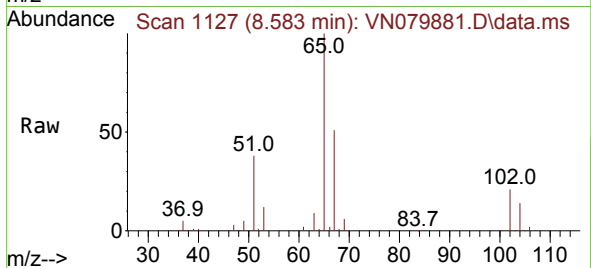
ClientSampleId :

Tgt Ion: 65 Resp: 210209

Ion Ratio Lower Upper

65 100

67 50.4 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: VN079881.D

Acq: 04 Nov 2023 06:43

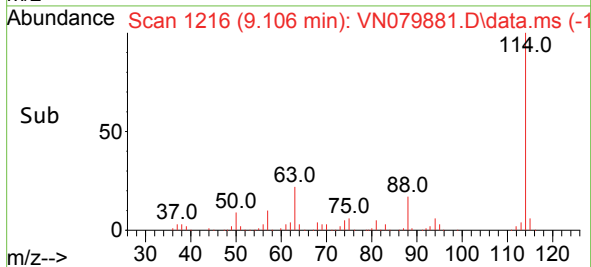
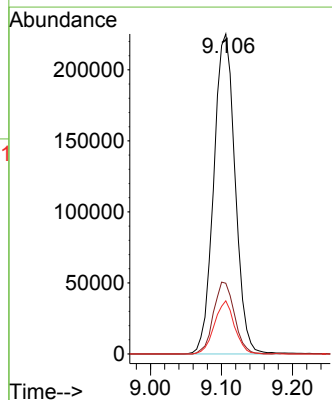
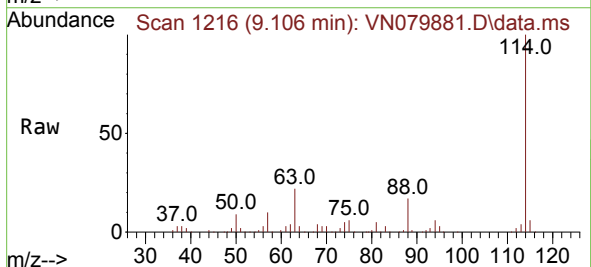
Tgt Ion: 114 Resp: 469961

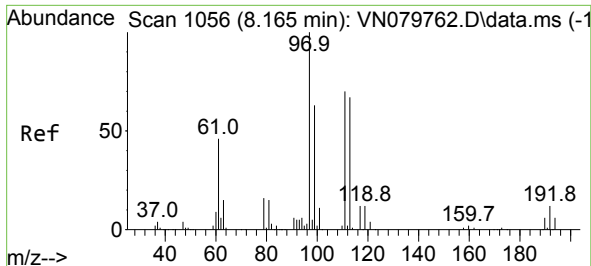
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

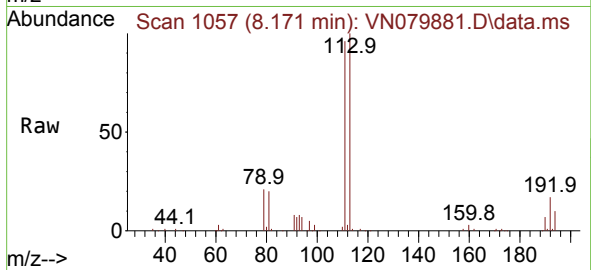
88 16.6 0.0 30.6



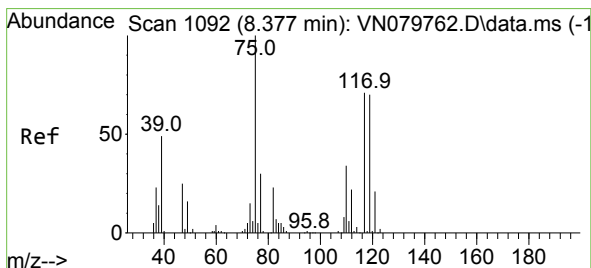
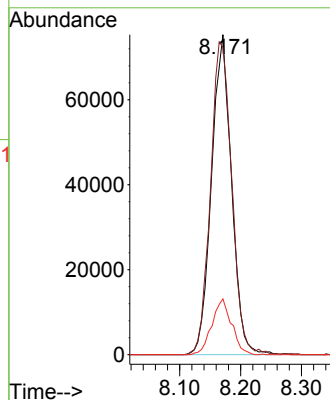
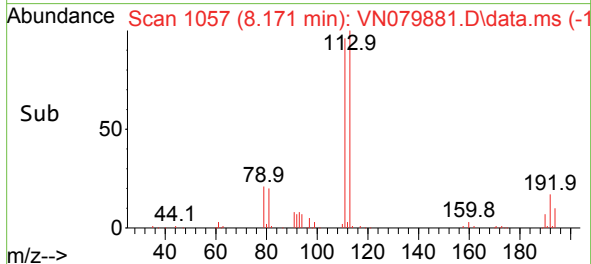


#35
Dibromofluoromethane
Concen: 51.669 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Instrument :
MSVOA_N
ClientSampleId :

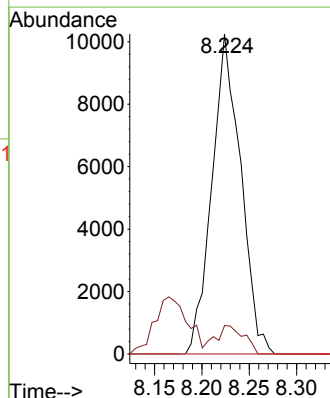
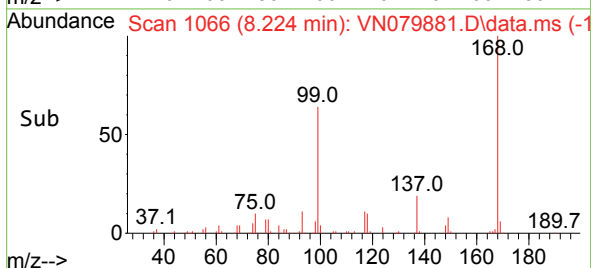
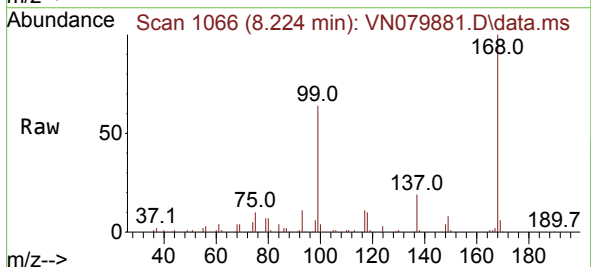


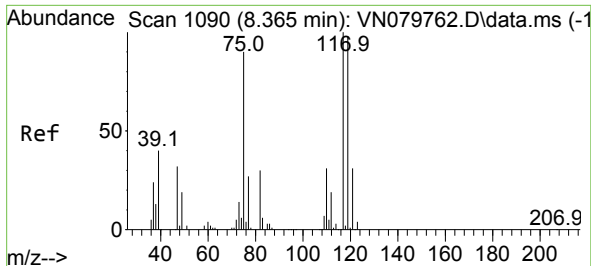
Tgt Ion:113 Resp: 171860
Ion Ratio Lower Upper
113 100
111 104.2 82.6 123.8
192 17.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

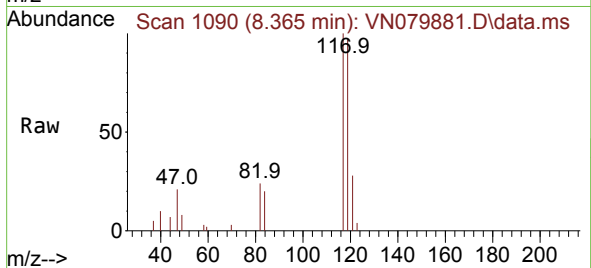
Tgt Ion: 75 Resp: 21655
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



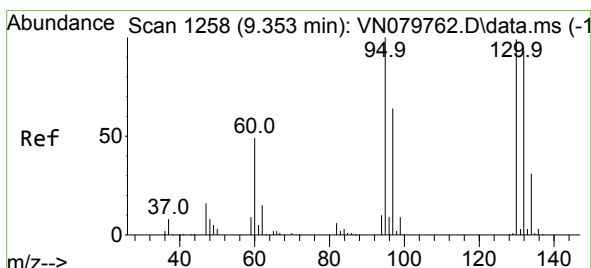
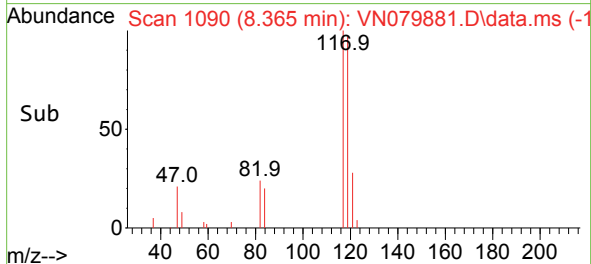
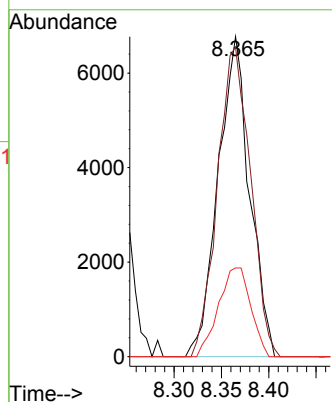


#38
Carbon Tetrachloride
Concen: 3.269 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Instrument :
MSVOA_N
ClientSampleId :

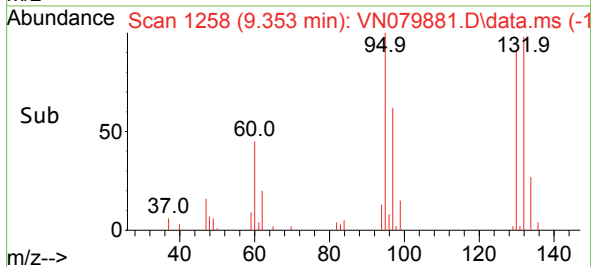
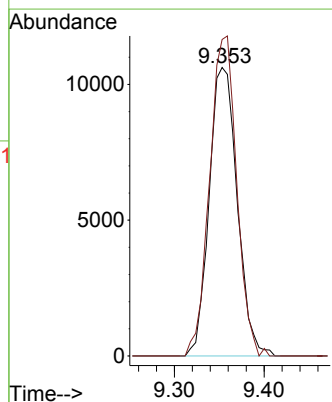
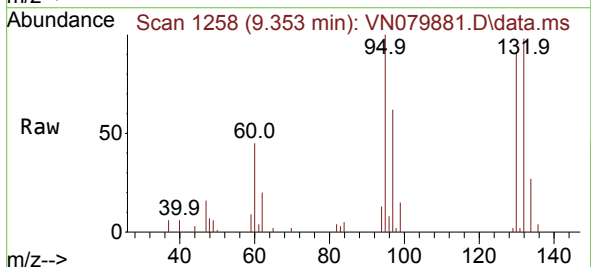


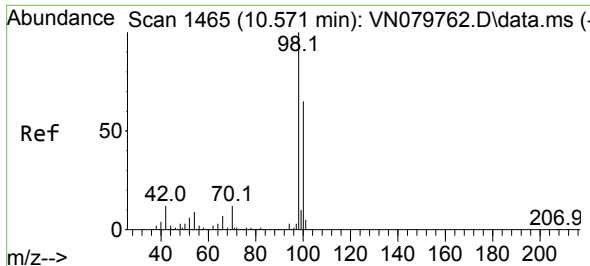
Tgt Ion:117 Resp: 15649
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 27.8 23.3 34.9



#44
Trichloroethene
Concen: 6.531 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Tgt Ion:130 Resp: 23052
Ion Ratio Lower Upper
130 100
95 109.7 0.0 204.6

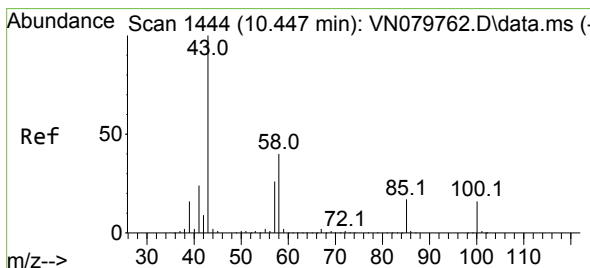
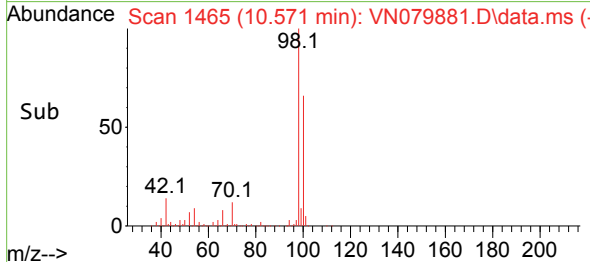
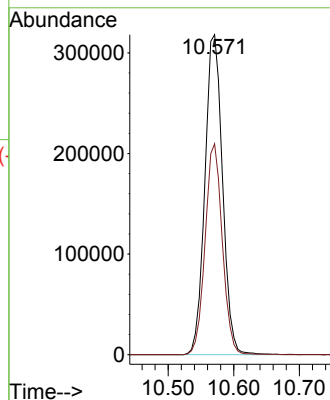
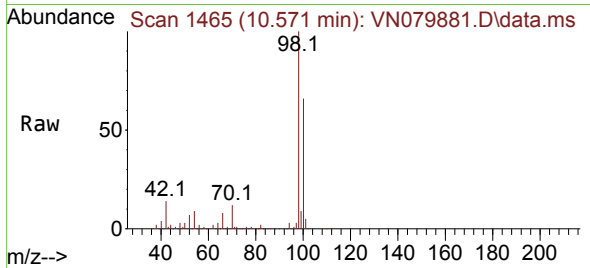




#50
Toluene-d8
Concen: 48.650 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

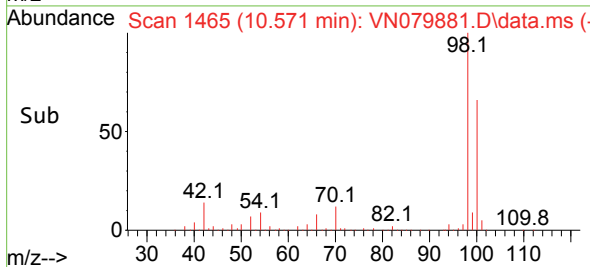
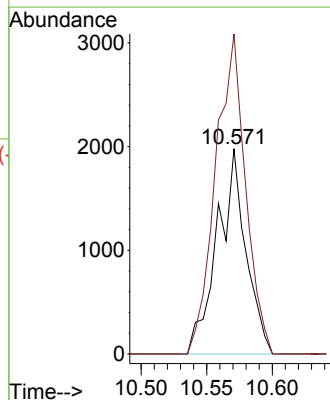
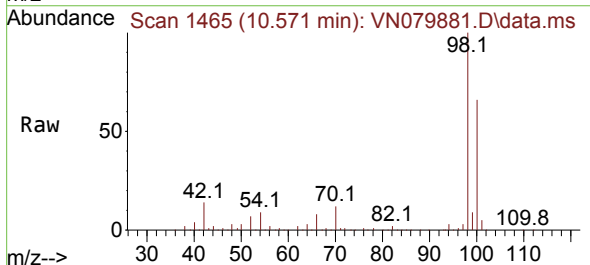
Instrument :
MSVOA_N
ClientSampleId :

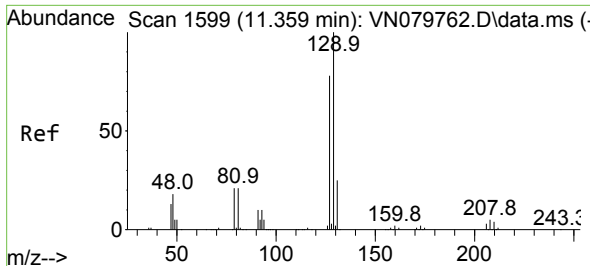
Tgt Ion: 98 Resp: 595714
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.696 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

Tgt Ion: 43 Resp: 2995
Ion Ratio Lower Upper
43 100
58 163.8 36.6 54.8#

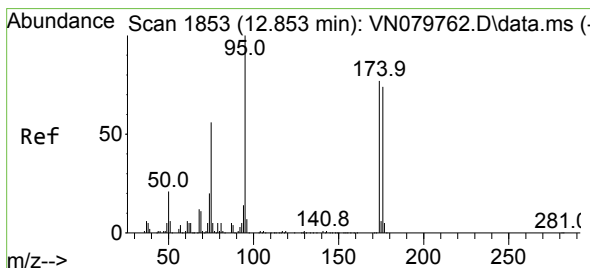
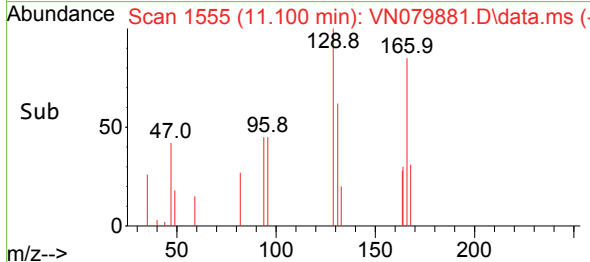
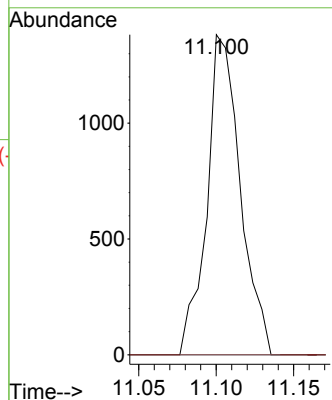
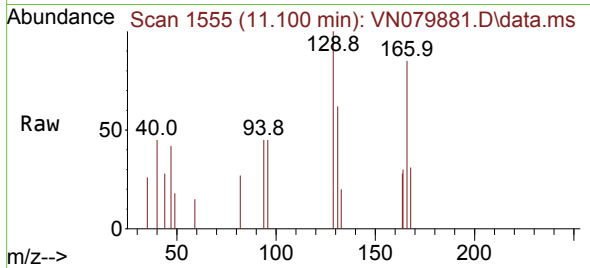




#60
Dibromochloromethane
Concen: 0.571 ug/l
RT: 11.100 min Scan# 1599
Delta R.T. -0.264 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

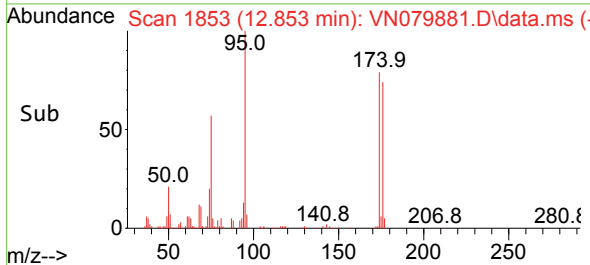
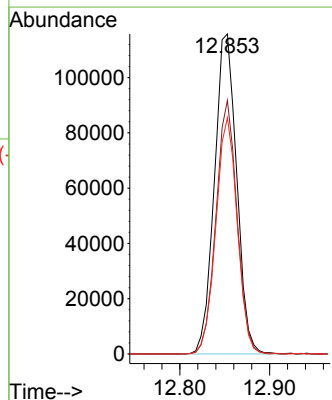
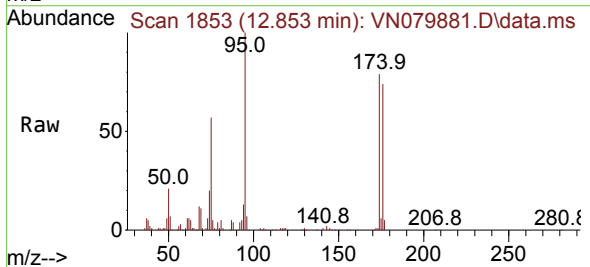
Instrument :
MSVOA_N
ClientSampleId :

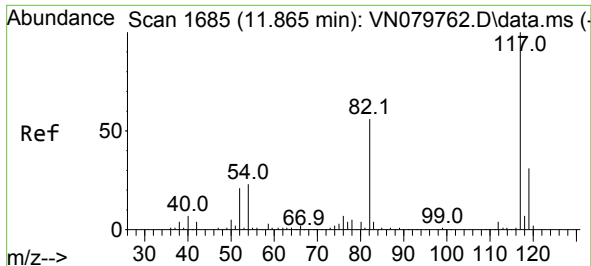
Tgt Ion:129 Resp: 2074
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.101 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

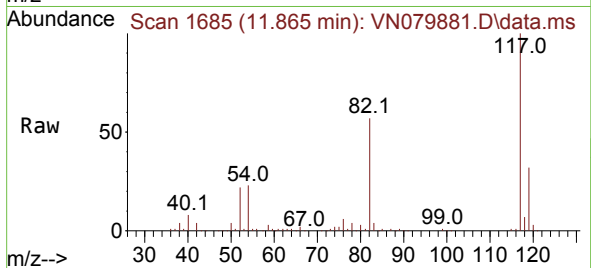
Tgt Ion: 95 Resp: 199400
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 70.8 0.0 135.8



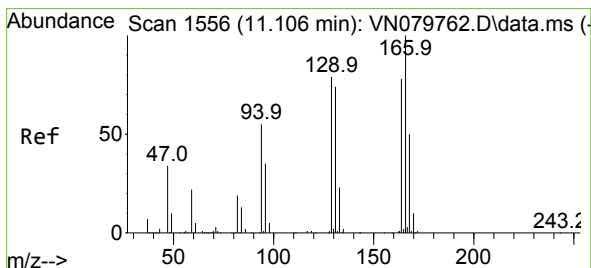
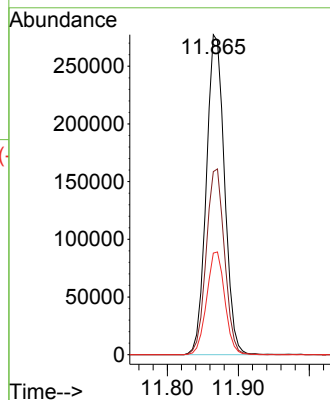
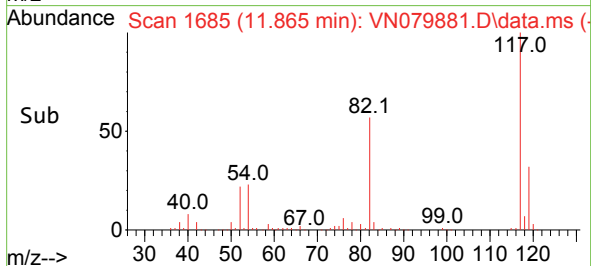


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43

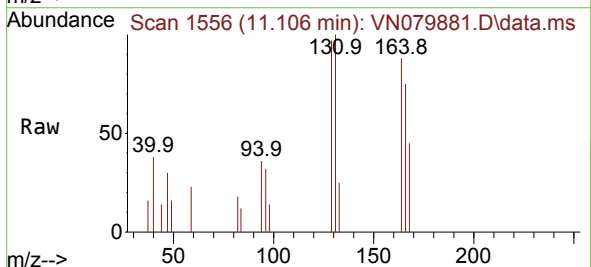
Instrument :
MSVOA_N
ClientSampleId :



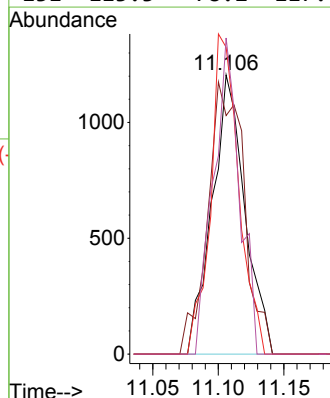
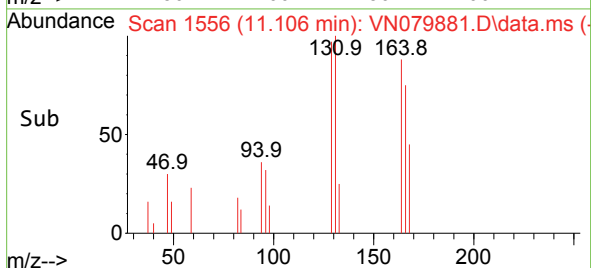
Tgt Ion:117 Resp: 493765
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 31.8 25.6 38.4

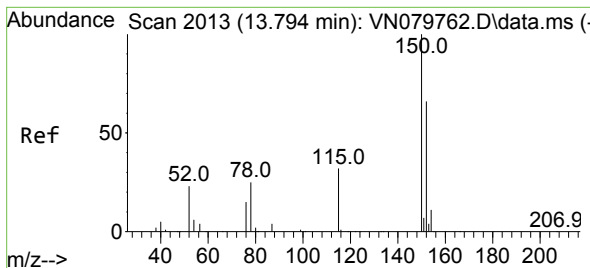


#64
Tetrachloroethene
Concen: 0.654 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079881.D
Acq: 04 Nov 2023 06:43



Tgt Ion:164 Resp: 2092
Ion Ratio Lower Upper
164 100
166 85.5 101.4 152.0#
129 110.0 82.4 123.6
131 113.3 78.2 117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

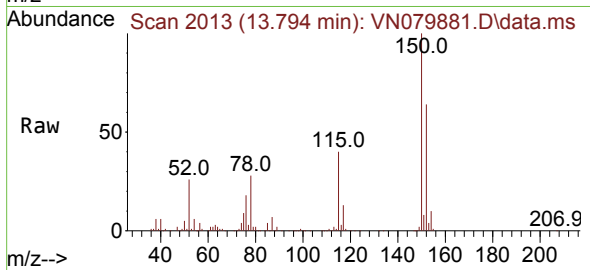
Lab File: VN079881.D

Acq: 04 Nov 2023 06:43

Instrument :

MSVOA_N

ClientSampleId :



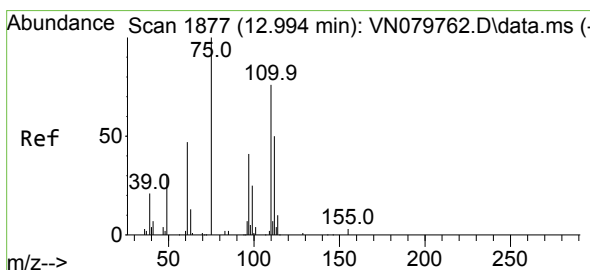
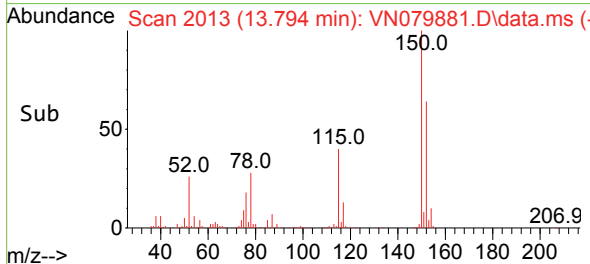
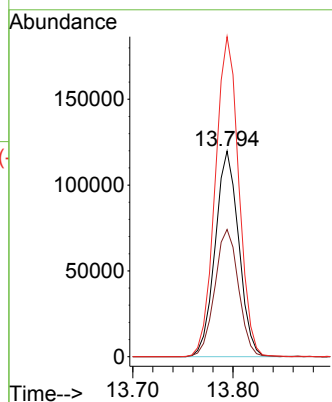
Tgt Ion:152 Resp: 195172

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 155.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.218 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079881.D

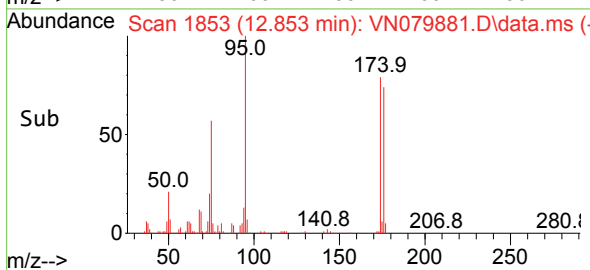
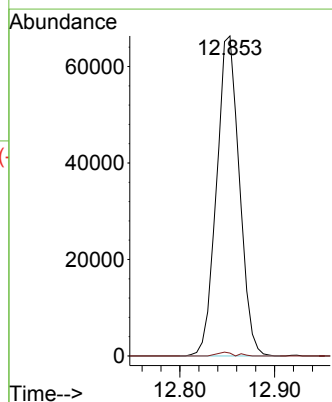
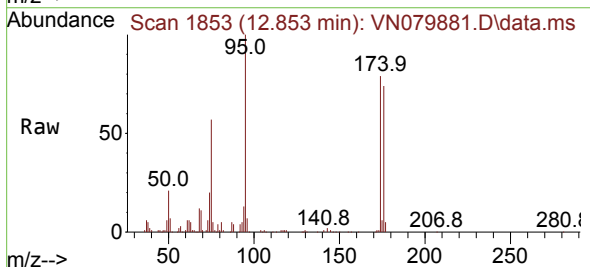
Acq: 04 Nov 2023 06:43

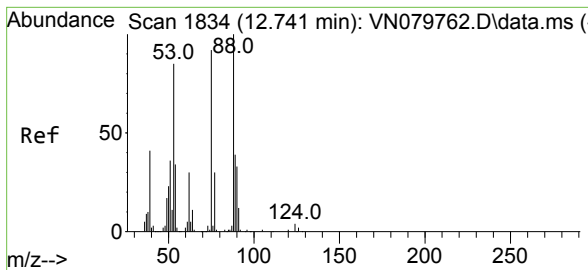
Tgt Ion: 75 Resp: 110968

Ion Ratio Lower Upper

75 100

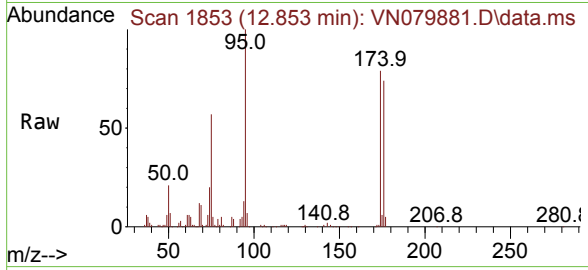
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.891 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079881.D
 Acq: 04 Nov 2023 06:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 110968
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

