

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110423\
 Data File : VN079901.D
 Acq On : 04 Nov 2023 18:29
 Operator : JC\MD
 Sample : 05223-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 02:17:41 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)

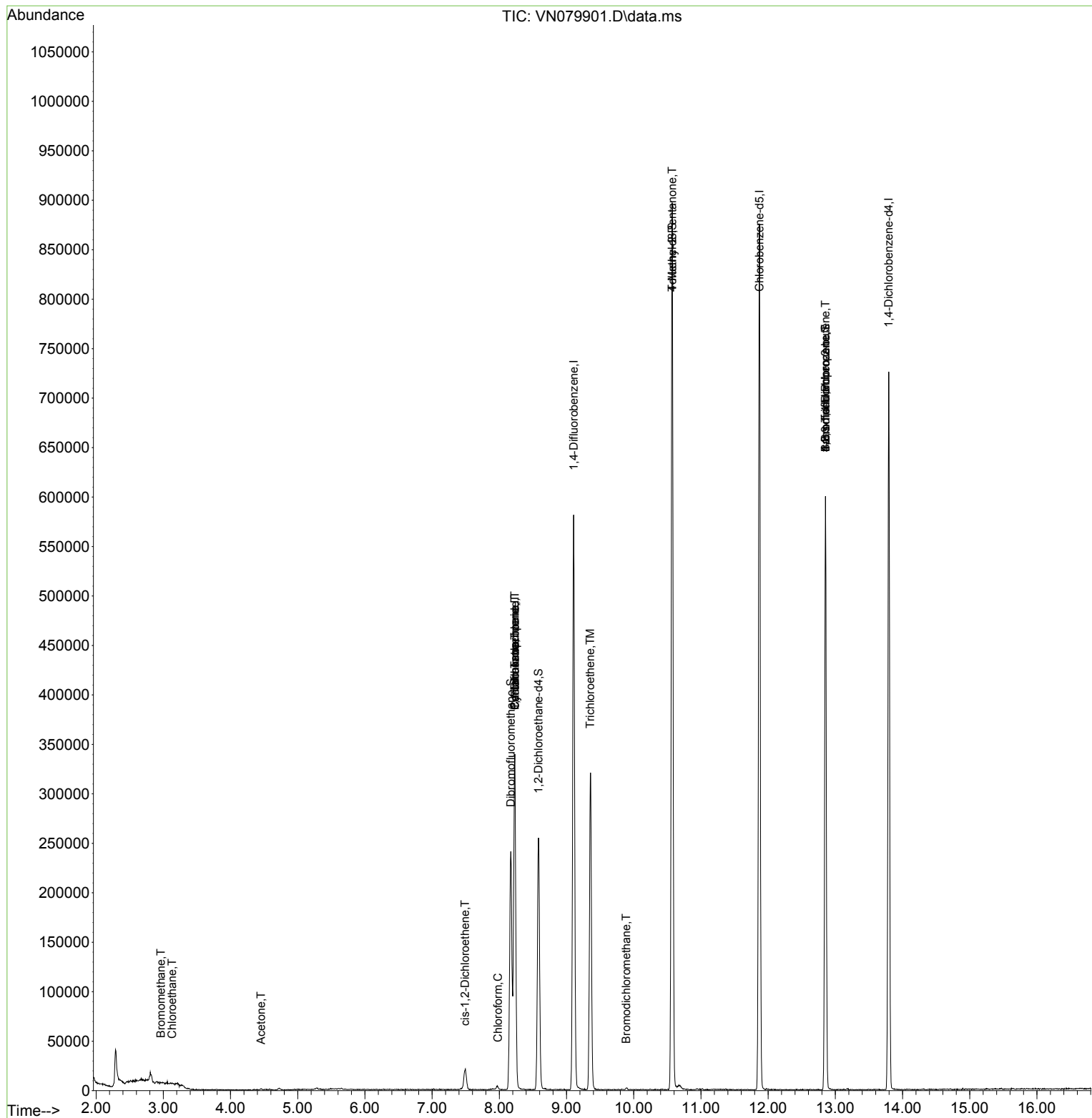
Internal Standards						
1) Pentafluorobenzene	8.230	168	233644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	472903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	481425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210643	59.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.360%			
35) Dibromofluoromethane	8.171	113	173245	51.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.571	98	593581	48.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.340%			
62) 4-Bromofluorobenzene	12.853	95	200288	49.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.020%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1448	Below Cal	#	84
5) Bromomethane	2.965	94	722	0.323	ug/l #	71
6) Chloroethane	3.130	64	685	0.235	ug/l #	43
16) Acetone	4.453	43	1267	1.013	ug/l #	40
27) cis-1,2-Dichloroethene	7.489	96	12645	3.769	ug/l	95
30) Chloroform	7.977	83	3532	0.599	ug/l #	78
31) Cyclohexane	8.230	56	6067	1.290	ug/l #	12
36) 1,1-Dichloropropene	8.230	75	21973	4.598	ug/l #	48
38) Carbon Tetrachloride	8.230	117	25639	5.323	ug/l #	18
44) Trichloroethene	9.353	130	111780	31.471	ug/l	98
47) Bromodichloromethane	9.888	83	1489	0.280	ug/l #	68
51) 4-Methyl-2-Pentanone	10.571	43	2987	0.690	ug/l #	1
71) Bromoform	12.853	173	1976	0.740	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	109215	24.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109215	67.871	ug/l #	15

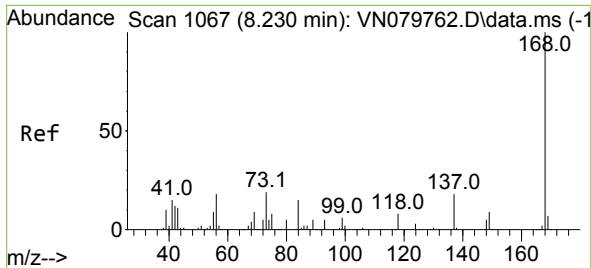
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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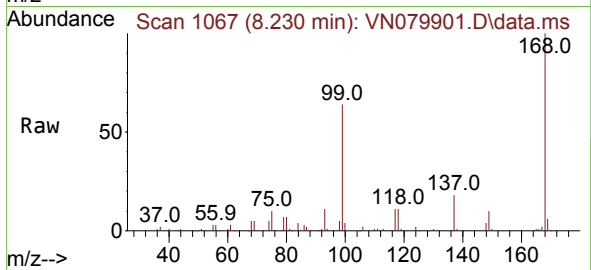
Quant Time: Nov 06 02:17:41 2023
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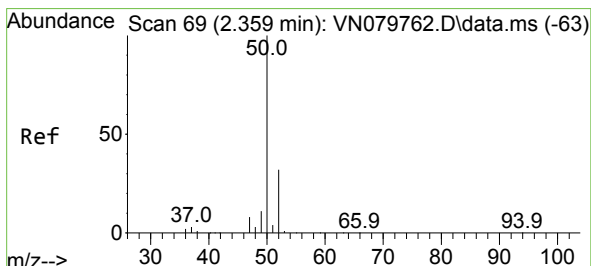
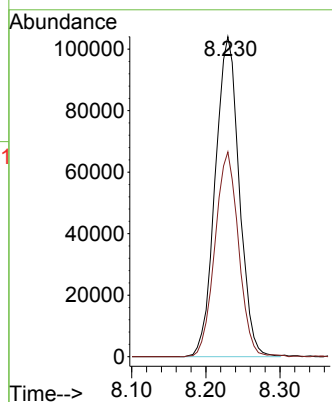
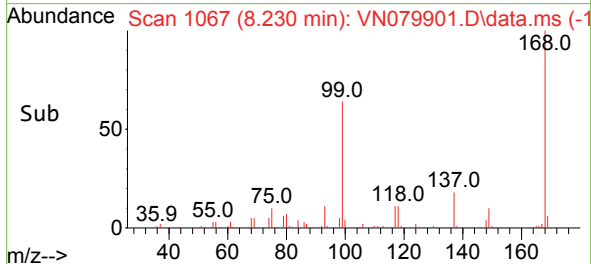


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

Instrument :
MSVOA_N
ClientSampleId :

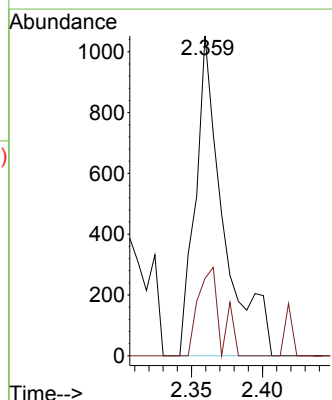
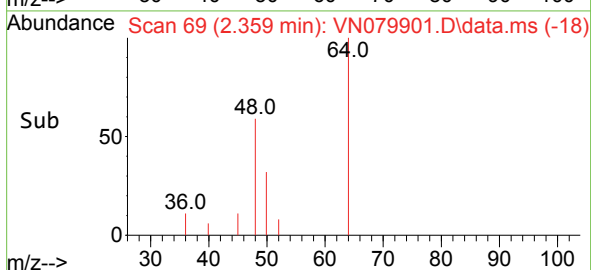
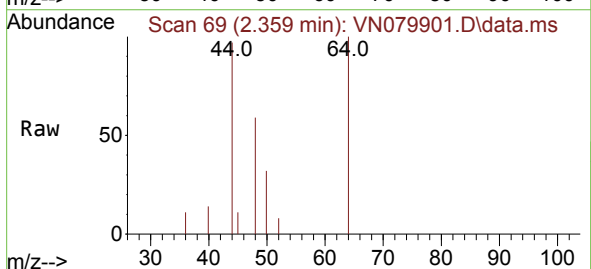


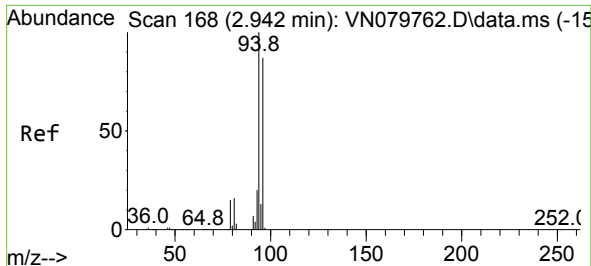
Tgt Ion:168 Resp: 233644
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

Tgt Ion: 50 Resp: 1448
Ion Ratio Lower Upper
50 100
52 24.2 26.5 39.7#

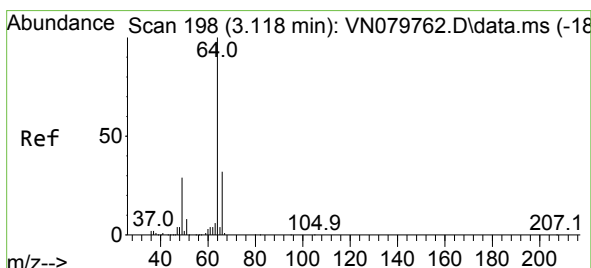
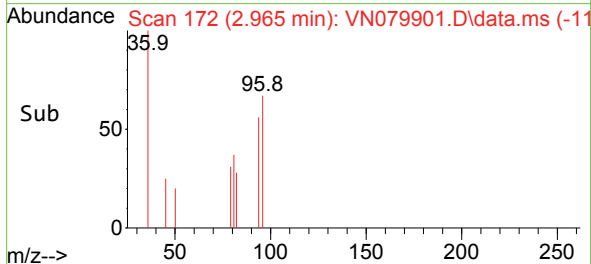
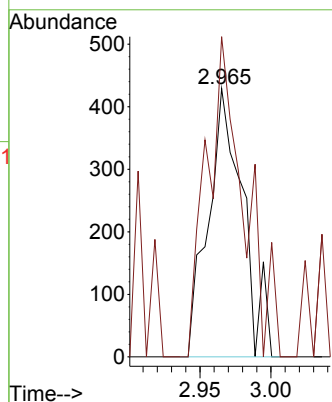
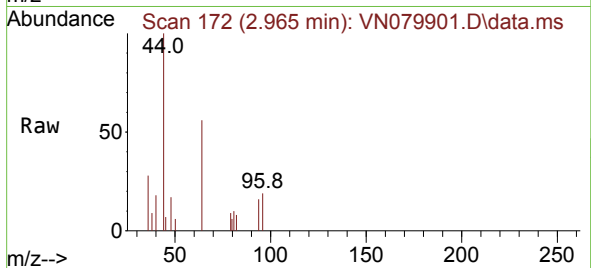




#5
Bromomethane
Concen: 0.323 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

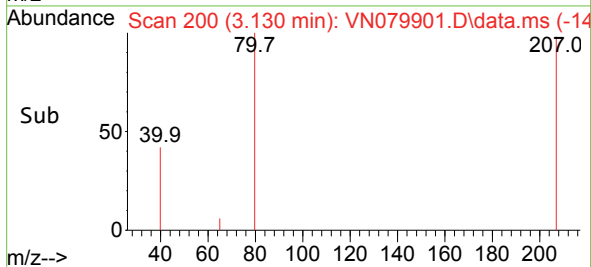
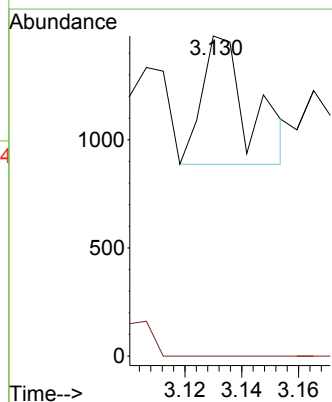
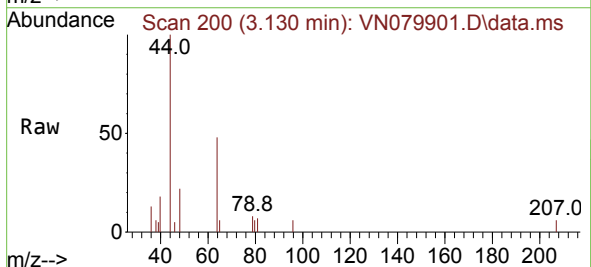
Instrument :
MSVOA_N
ClientSampleId :

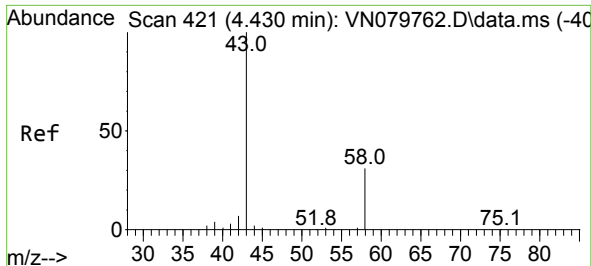
Tgt Ion: 94 Resp: 722
Ion Ratio Lower Upper
94 100
96 119.3 73.1 109.7#



#6
Chloroethane
Concen: 0.235 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

Tgt Ion: 64 Resp: 685
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

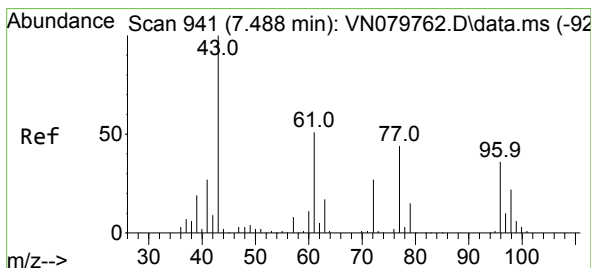
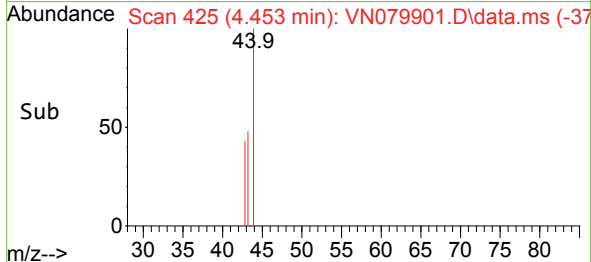
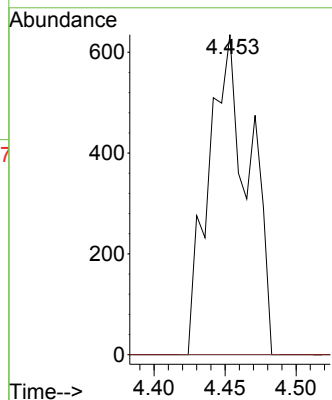
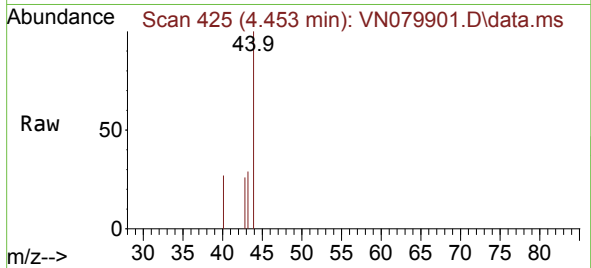




#16
Acetone
Concen: 1.013 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

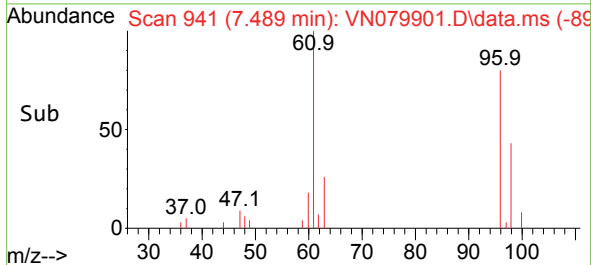
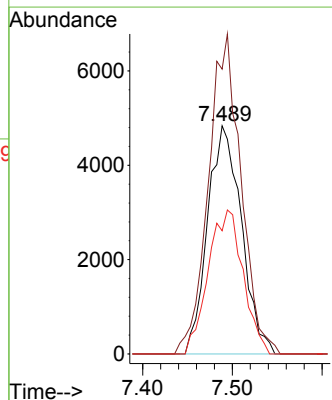
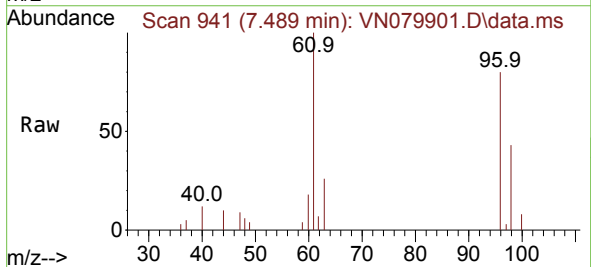
Instrument :
MSVOA_N
ClientSampleId :

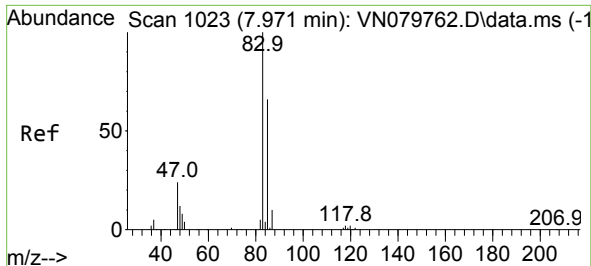
Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#27
cis-1,2-Dichloroethene
Concen: 3.769 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079901.D
Acq: 04 Nov 2023 18:29

Tgt Ion: 96 Resp: 12645
Ion Ratio Lower Upper
96 100
61 135.2 0.0 255.2
98 65.0 0.0 128.8





#30

Chloroform

Concen: 0.599 ug/l

RT: 7.977 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Instrument :

MSVOA_N

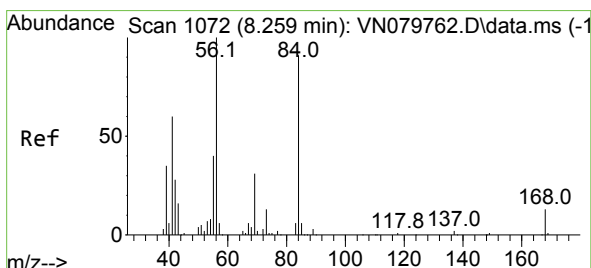
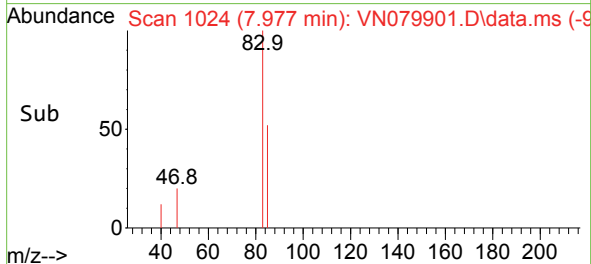
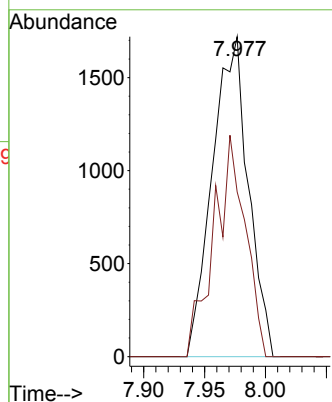
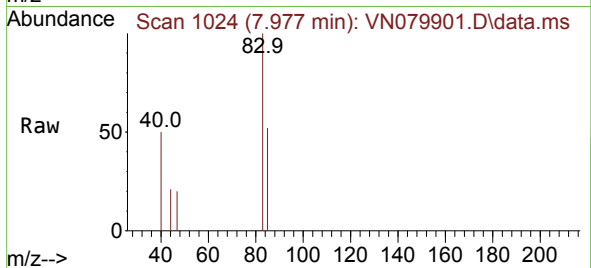
ClientSampleId :

Tgt Ion: 83 Resp: 3532

Ion Ratio Lower Upper

83 100

85 51.5 55.4 83.0#



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

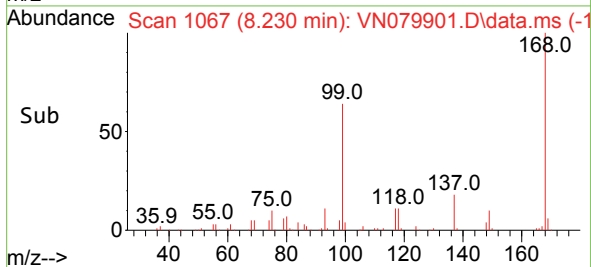
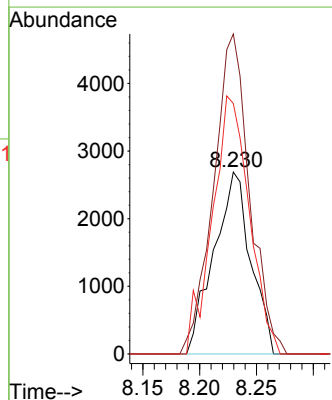
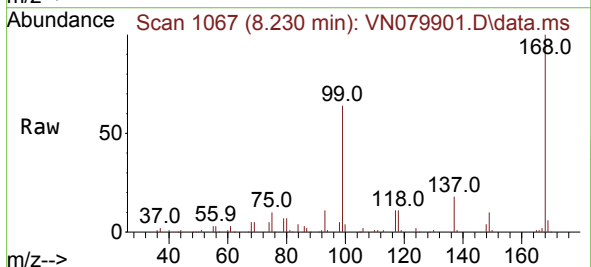
Tgt Ion: 56 Resp: 6067

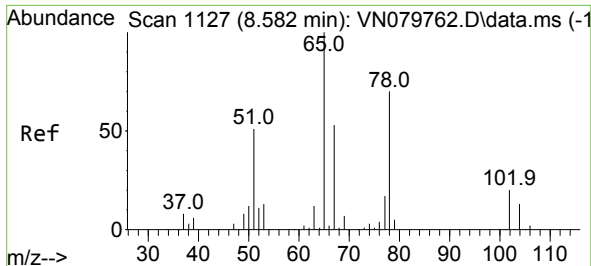
Ion Ratio Lower Upper

56 100

69 175.9 26.8 40.2#

84 137.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 59.175 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Instrument :

MSVOA_N

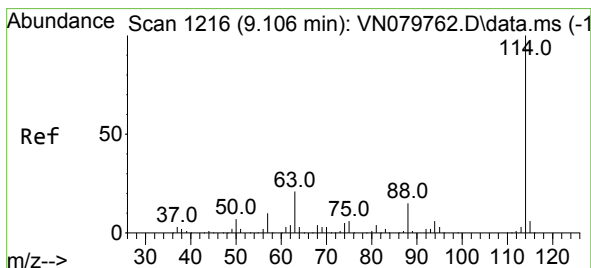
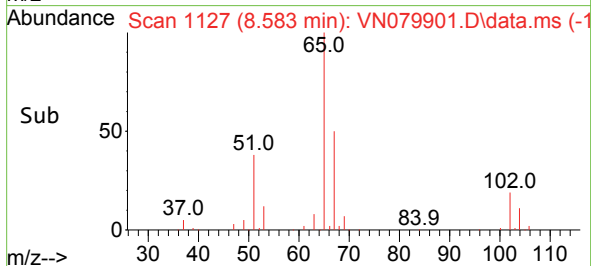
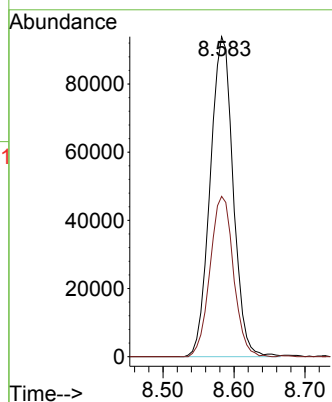
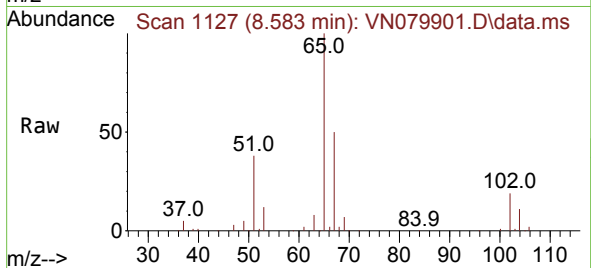
ClientSampleId :

Tgt Ion: 65 Resp: 210643

Ion Ratio Lower Upper

65 100

67 51.0 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: VN079901.D

Acq: 04 Nov 2023 18:29

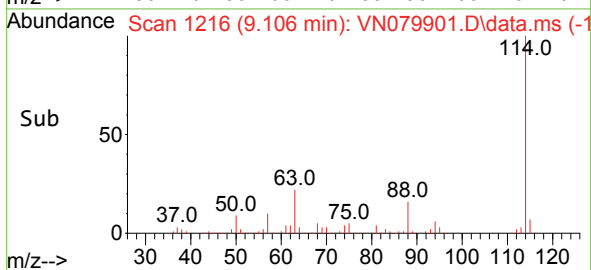
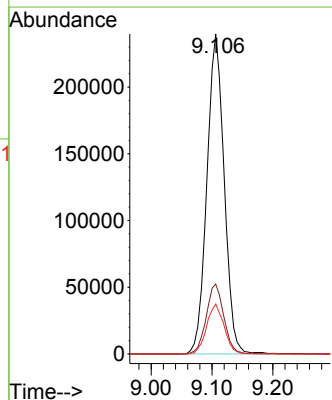
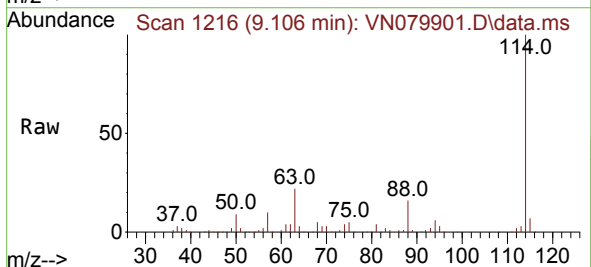
Tgt Ion: 114 Resp: 472903

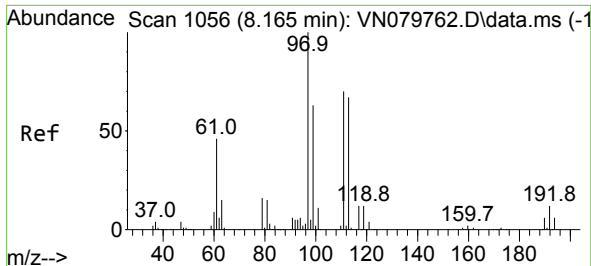
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.761 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :

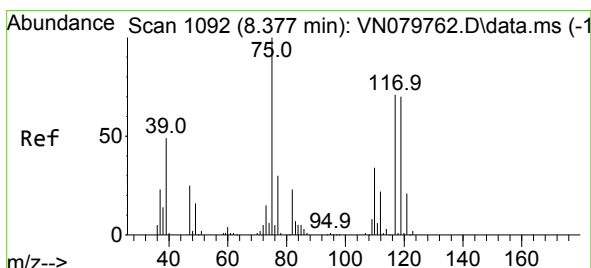
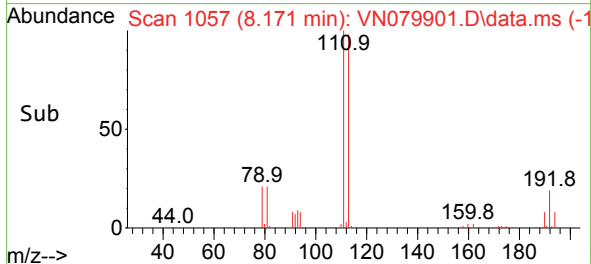
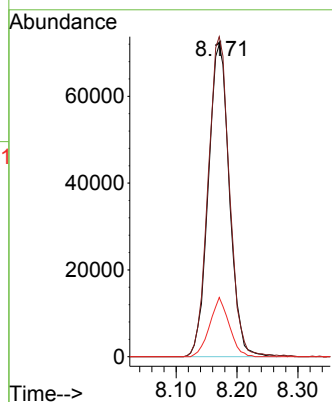
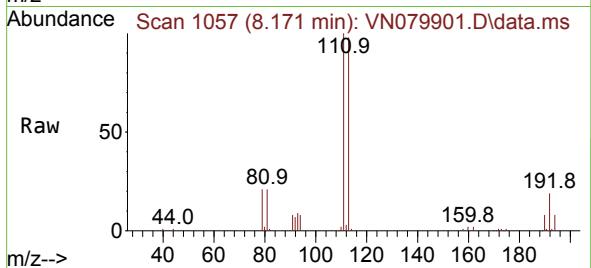
Tgt Ion:113 Resp: 173245

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

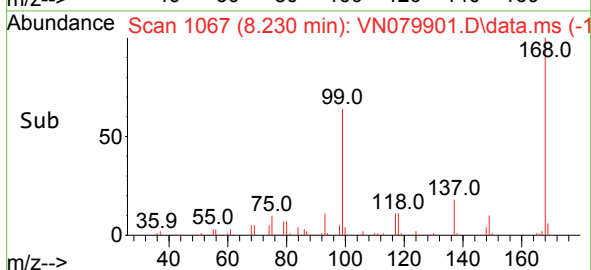
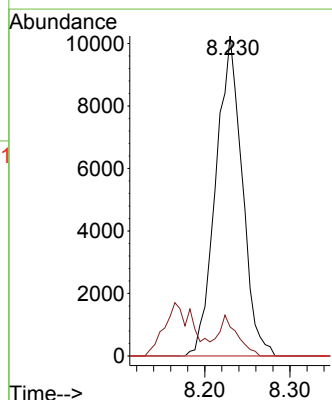
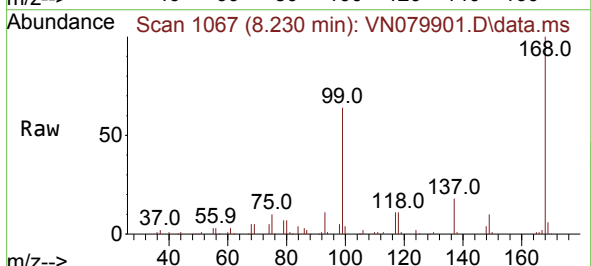
Tgt Ion: 75 Resp: 21973

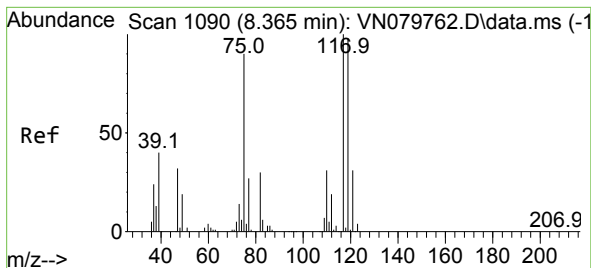
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.323 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

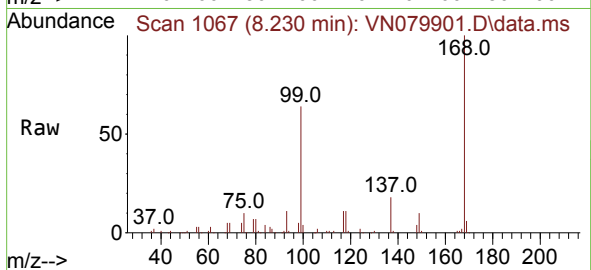
Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :



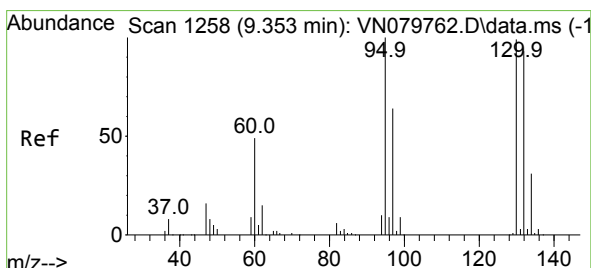
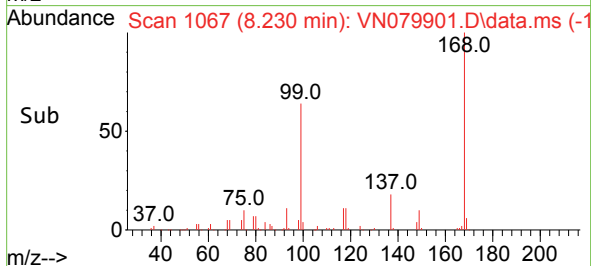
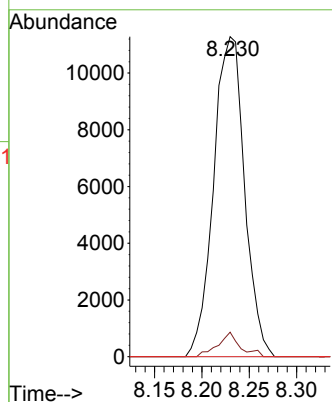
Tgt Ion:117 Resp: 25639

Ion Ratio Lower Upper

117 100

119 7.7 77.3 115.9#

121 0.0 23.3 34.9#



#44

Trichloroethene

Concen: 31.471 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079901.D

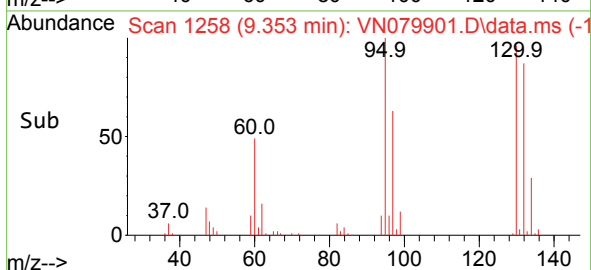
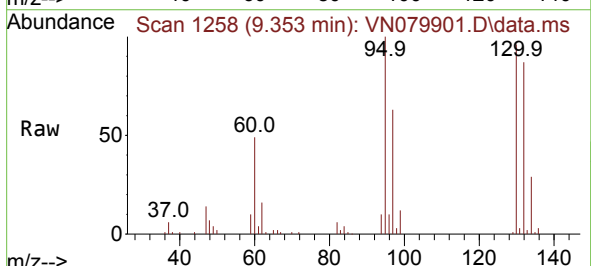
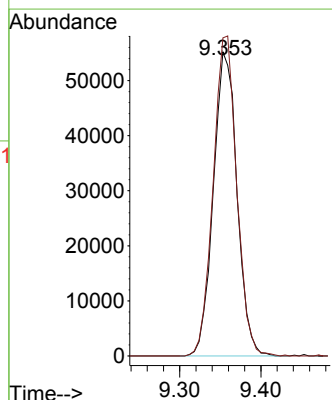
Acq: 04 Nov 2023 18:29

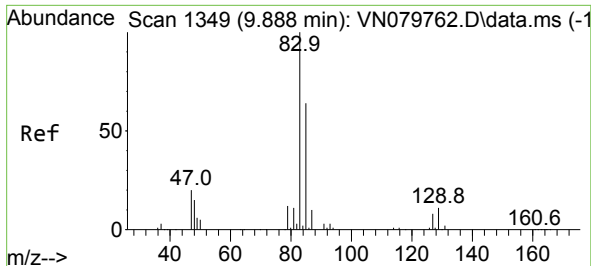
Tgt Ion:130 Resp: 111780

Ion Ratio Lower Upper

130 100

95 104.6 0.0 204.6





#47

Bromodichloromethane

Concen: 0.280 ug/l

RT: 9.888 min Scan# 1

Delta R.T. 0.000 min

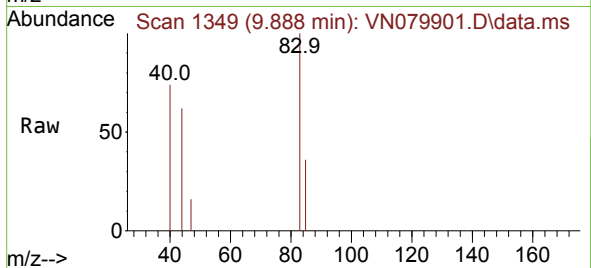
Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

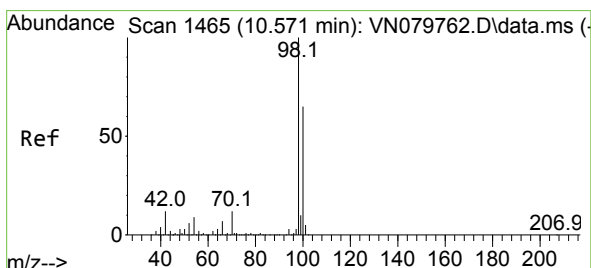
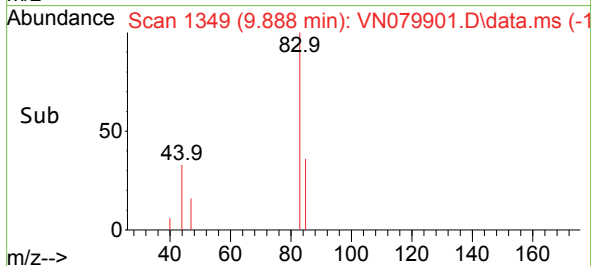
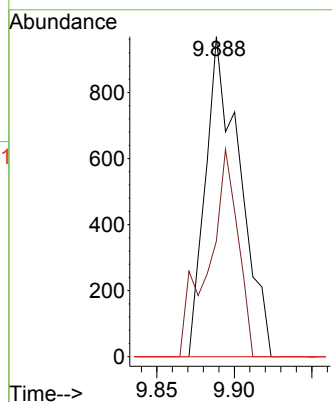
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	1489
Ion	Ratio	Lower	Upper
83	100		
85	36.1	49.6	74.4#
127	0.0	7.0	10.6#



#50

Toluene-d8

Concen: 48.174 ug/l

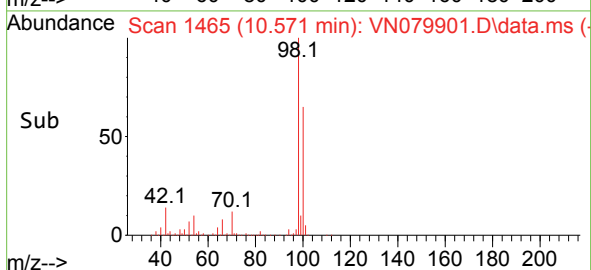
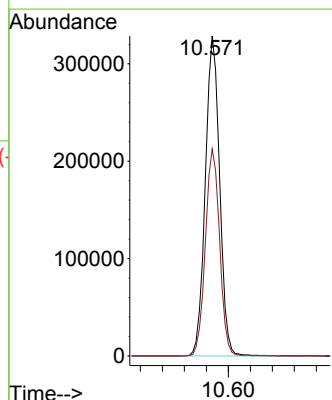
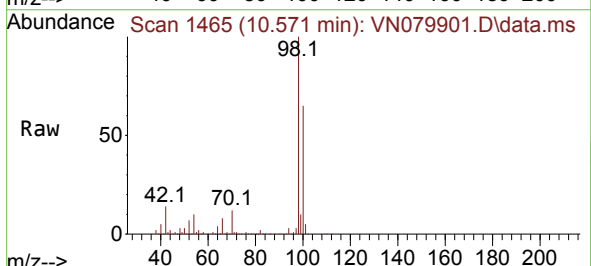
RT: 10.571 min Scan# 1465

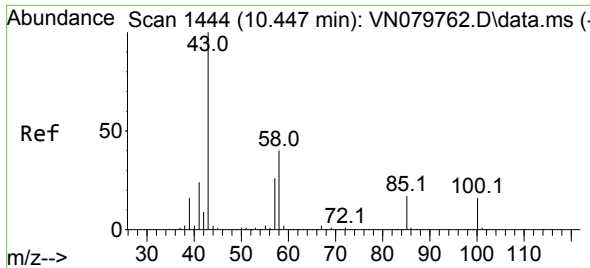
Delta R.T. 0.000 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Tgt Ion:	98	Resp:	593581
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

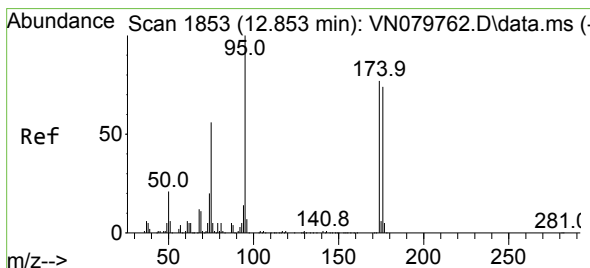
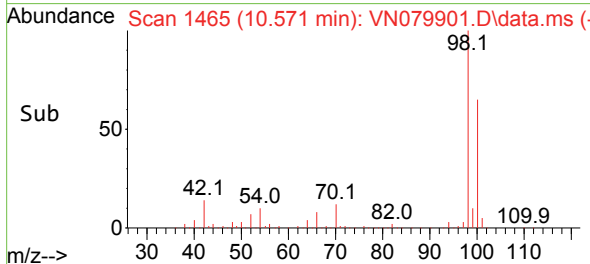
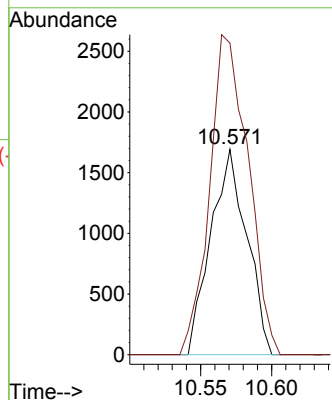
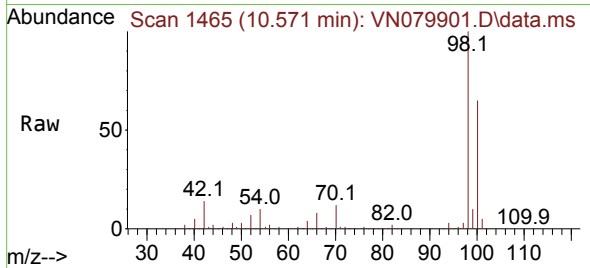




#51
 4-Methyl-2-Pentanone
 Concen: 0.690 ug/l
 RT: 10.571 min Scan# 1444
 Delta R.T. 0.124 min
 Lab File: VN079901.D
 Acq: 04 Nov 2023 18:29

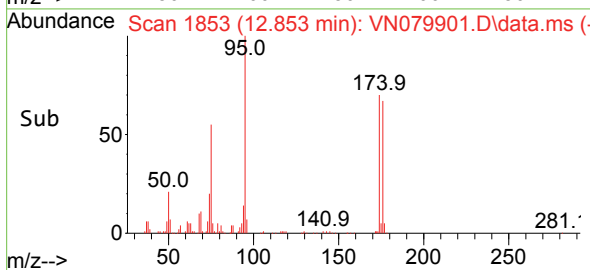
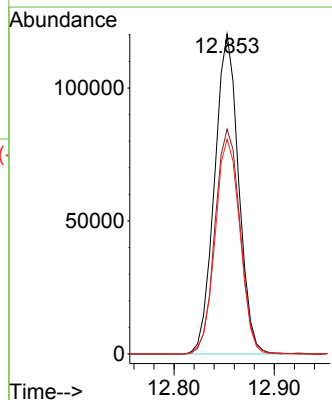
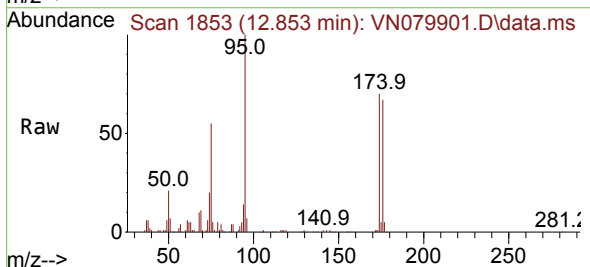
Instrument :
 MSVOA_N
 ClientSampleId :

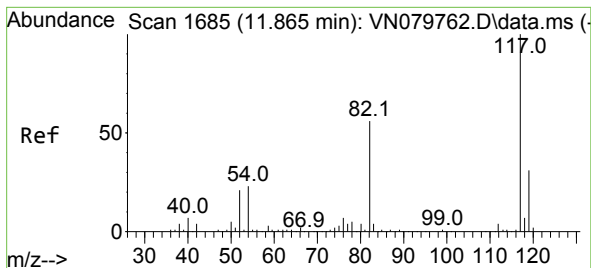
Tgt Ion: 43 Resp: 2987
 Ion Ratio Lower Upper
 43 100
 58 167.0 36.6 54.8#



#62
 4-Bromofluorobenzene
 Concen: 49.013 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079901.D
 Acq: 04 Nov 2023 18:29

Tgt Ion: 95 Resp: 200288
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 143.8
 176 69.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

Instrument :

MSVOA_N

ClientSampleId :

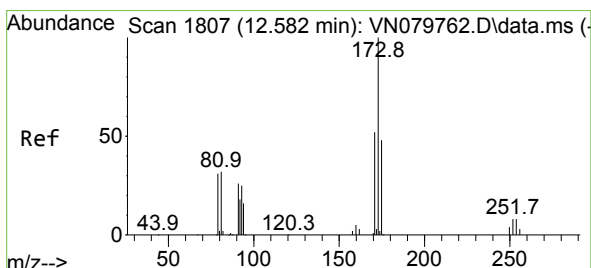
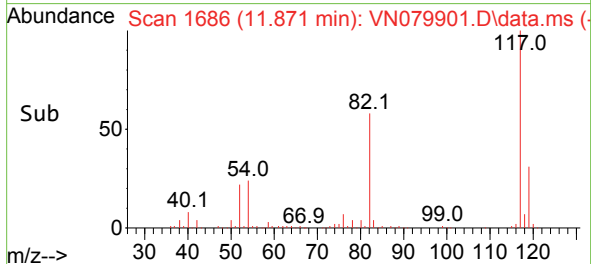
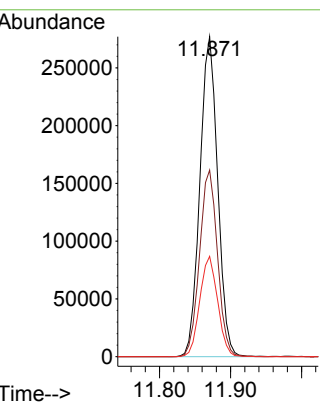
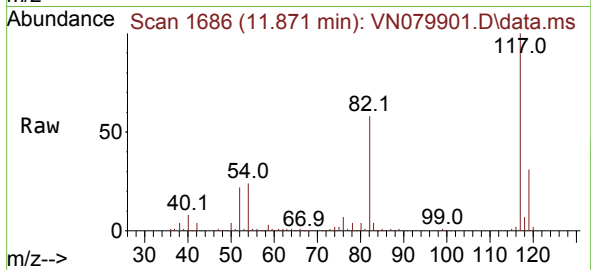
Tgt Ion:117 Resp: 481425

Ion Ratio Lower Upper

117 100

82 58.3 44.0 66.0

119 31.4 25.6 38.4



#71

Bromoform

Concen: 0.740 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079901.D

Acq: 04 Nov 2023 18:29

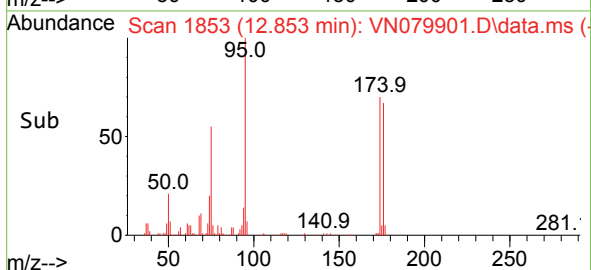
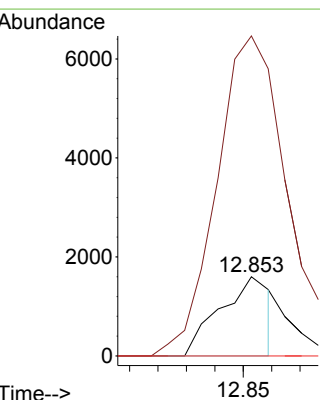
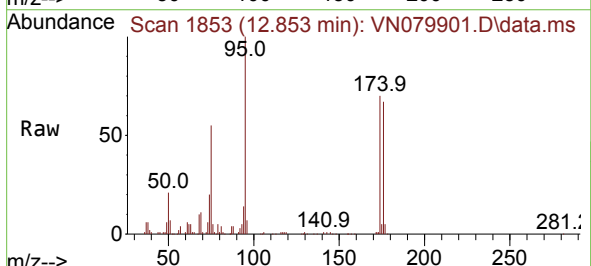
Tgt Ion:173 Resp: 1976

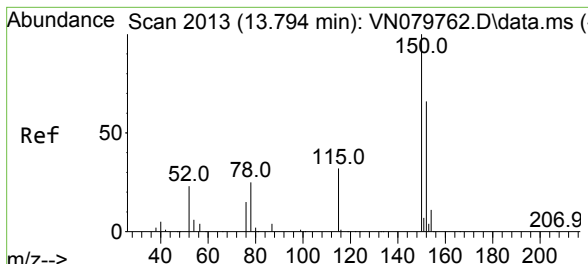
Ion Ratio Lower Upper

173 100

175 435.2 24.3 73.0#

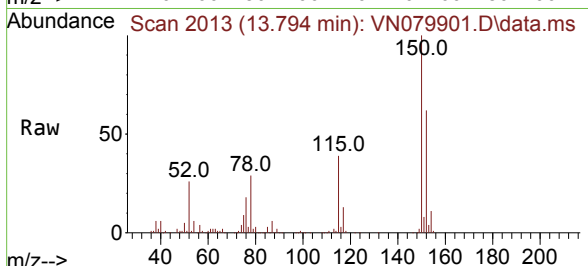
254 0.0 0.0 0.0



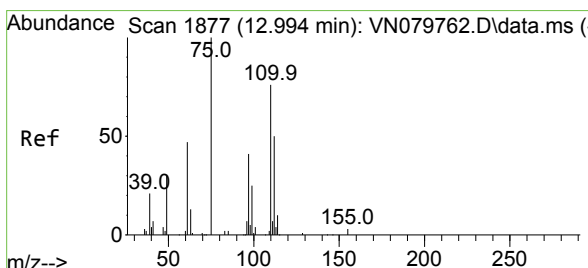
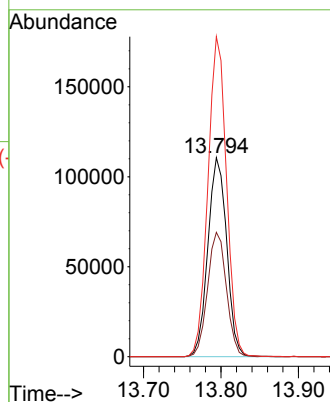
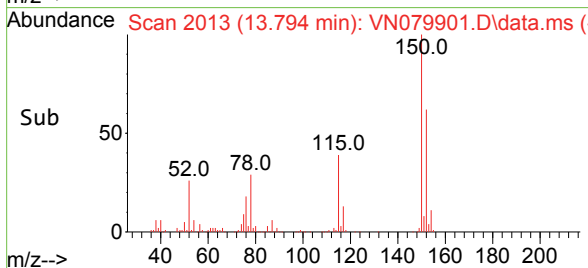


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079901.D
 Acq: 04 Nov 2023 18:29

Instrument :
 MSVOA_N
 ClientSampleId :

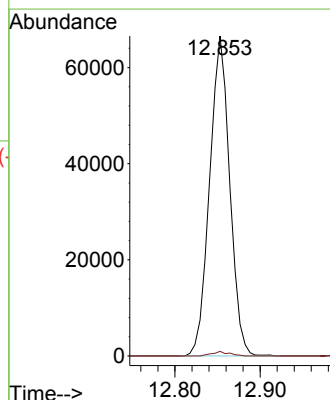
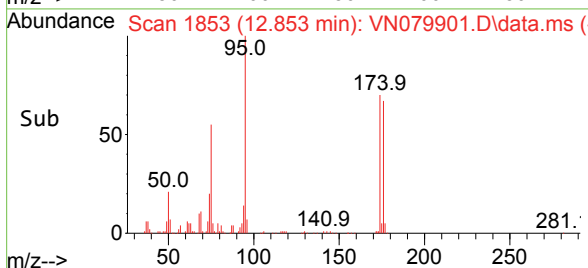
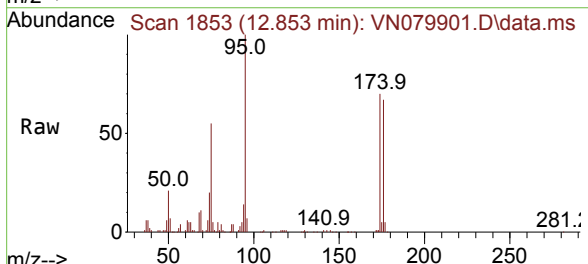


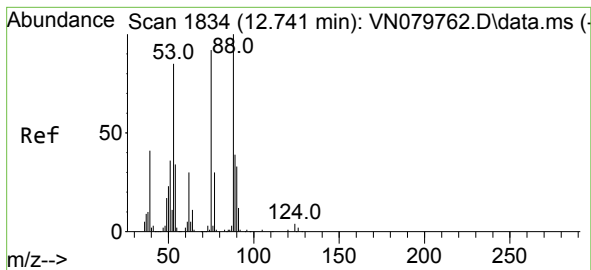
Tgt Ion:152 Resp: 186485
 Ion Ratio Lower Upper
 152 100
 115 62.6 32.3 96.8
 150 158.4 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.946 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079901.D
 Acq: 04 Nov 2023 18:29

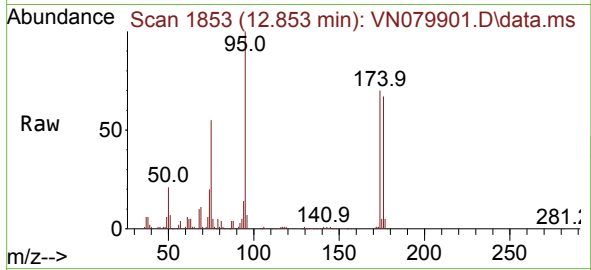
Tgt Ion: 75 Resp: 109215
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.871 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079901.D
 Acq: 04 Nov 2023 18:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 109215
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

