

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079795.D
 Acq On : 02 Nov 2023 14:23
 Operator : JC\MD
 Sample : 05102-14RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 04:01:06 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	236357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	472475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	463310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178205	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	211673	58.782	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.560%	
35) Dibromofluoromethane	8.165	113	175507	52.484	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.960%	
50) Toluene-d8	10.571	98	603078	48.989	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	12.853	95	195721	47.938	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.880%	

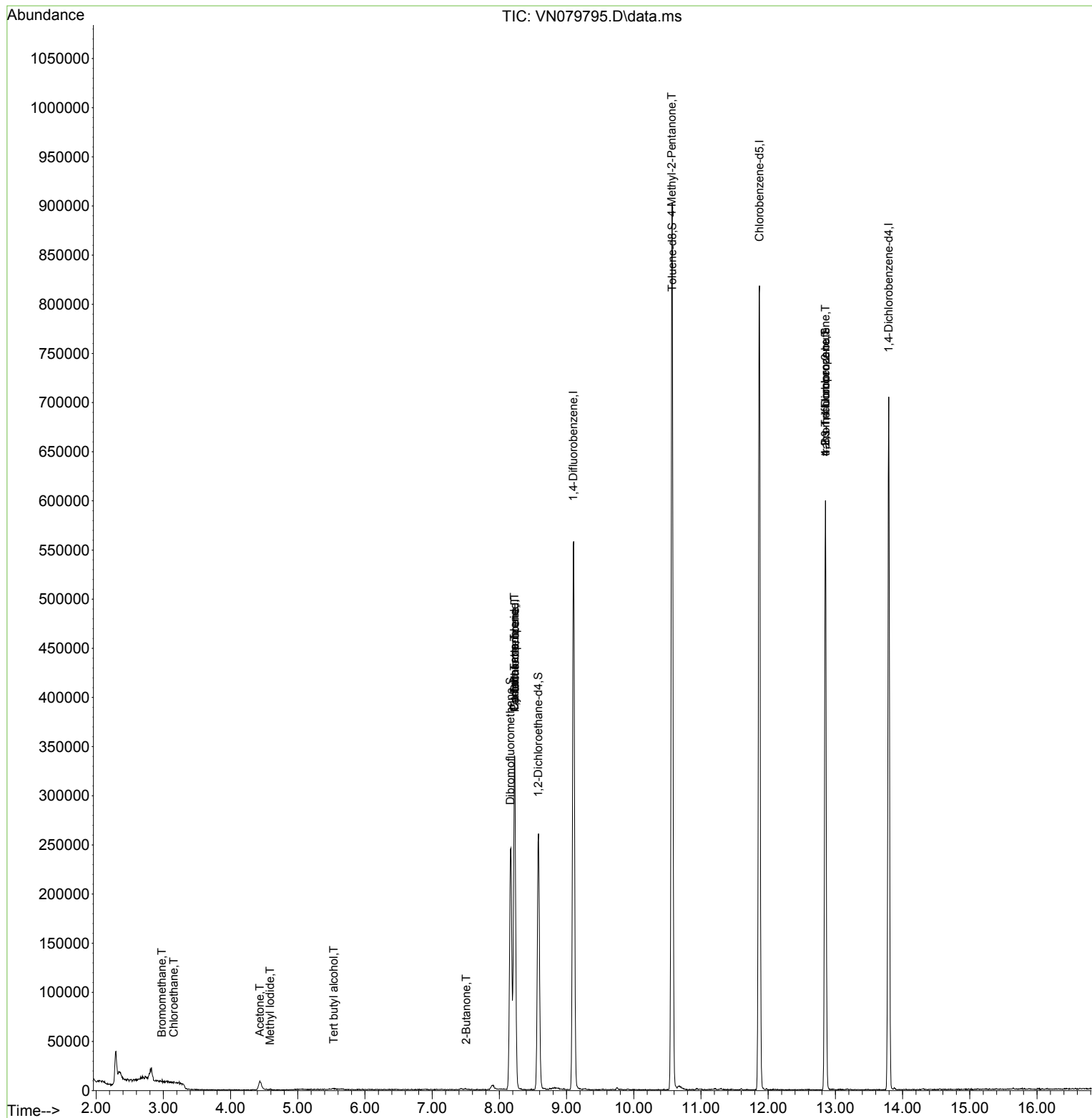
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	2277	Below Cal	#	62
5) Bromomethane	2.977	94	776	0.343	ug/l #	69
6) Chloroethane	3.153	64	645	0.219	ug/l #	52
10) Methyl Iodide	4.589	142	666	0.217	ug/l #	80
11) Tert butyl alcohol	5.536	59	1089	2.369	ug/l #	72
16) Acetone	4.436	43	16744	13.238	ug/l	95
25) 2-Butanone	7.506	43	2210	1.193	ug/l #	37
31) Cyclohexane	8.224	56	6503	1.367	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	21091	4.417	ug/l #	48
38) Carbon Tetrachloride	8.224	117	25821	5.366	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	3166	0.732	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	109235	26.109	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109235	71.038	ug/l #	15

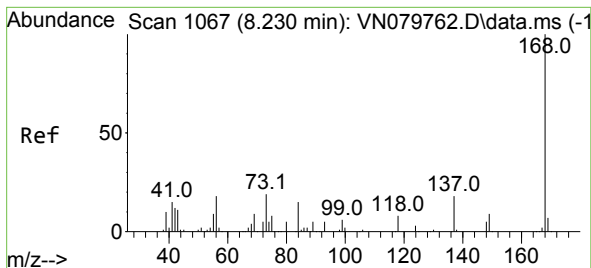
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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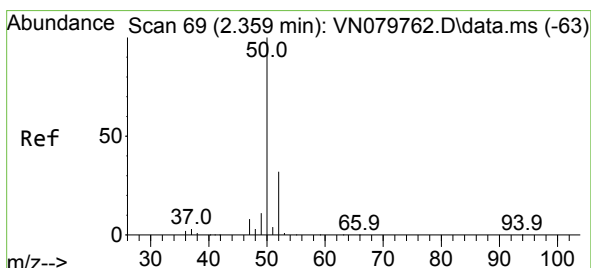
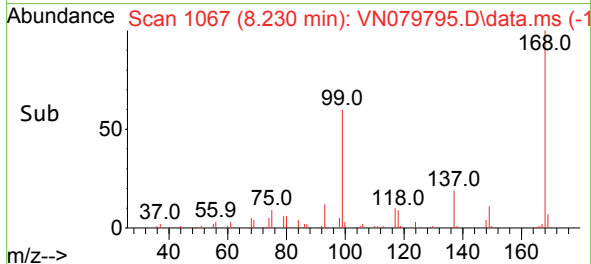
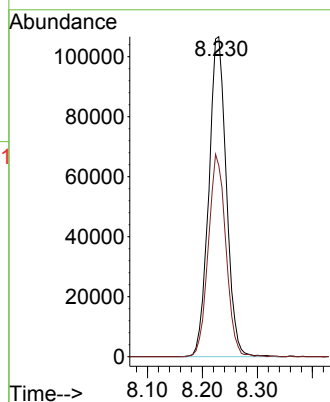
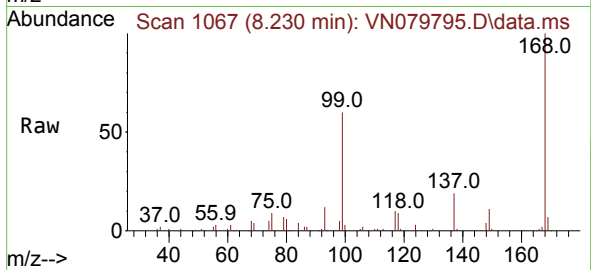




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

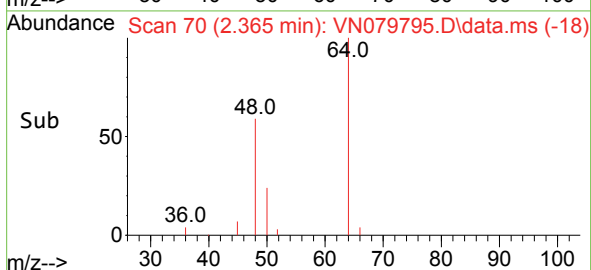
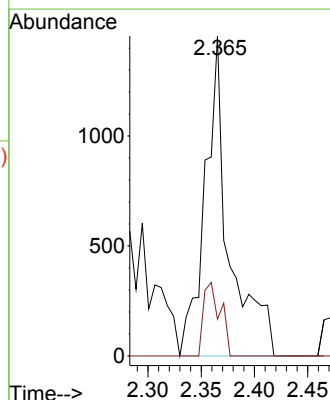
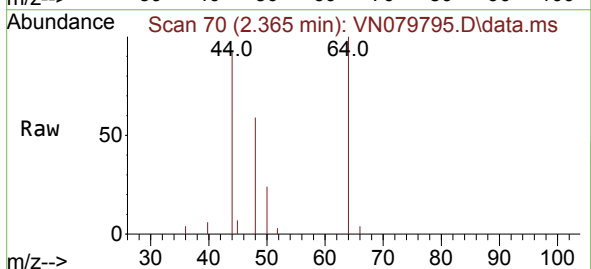
Instrument :
MSVOA_N
ClientSampleId :

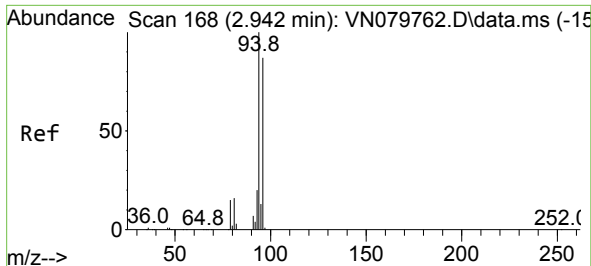
Tgt Ion:168 Resp: 236357
Ion Ratio Lower Upper
168 100
99 59.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

Tgt Ion: 50 Resp: 2277
Ion Ratio Lower Upper
50 100
52 11.5 26.5 39.7#

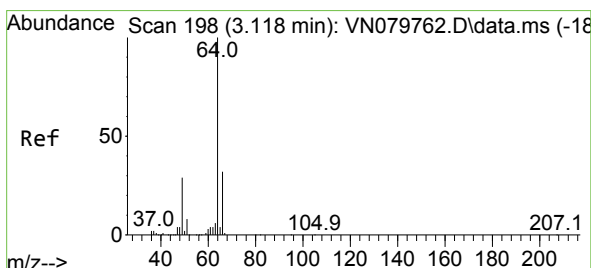
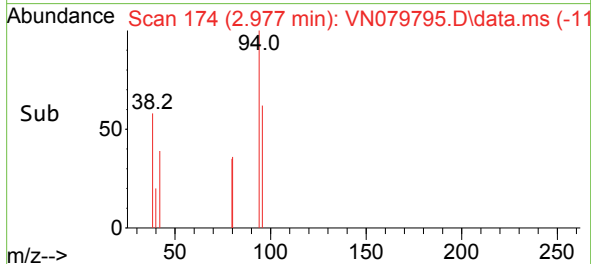
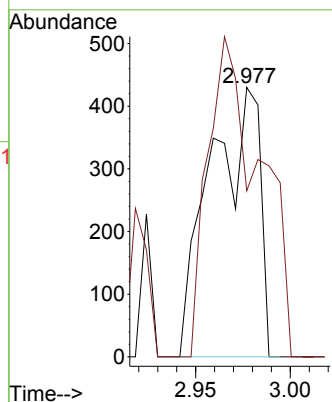
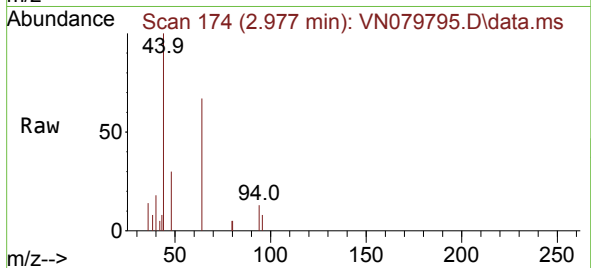




#5
Bromomethane
Concen: 0.343 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

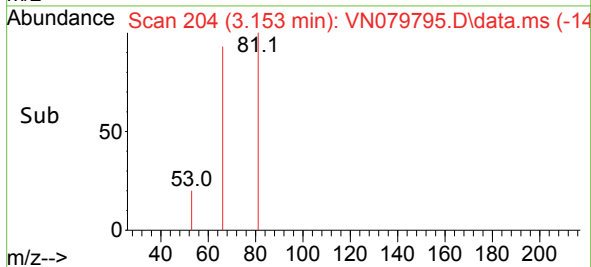
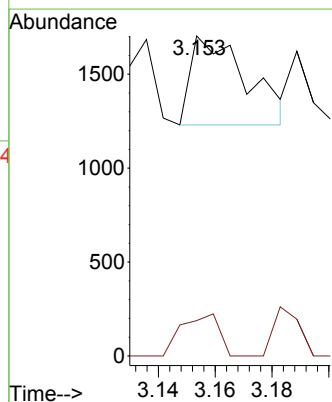
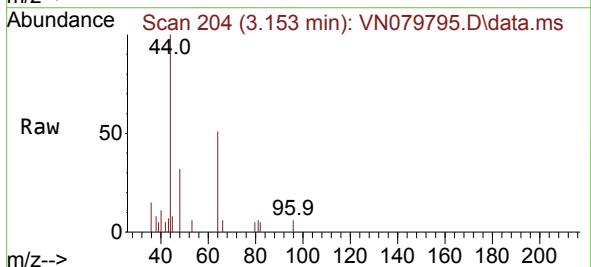
Instrument :
MSVOA_N
ClientSampleId :

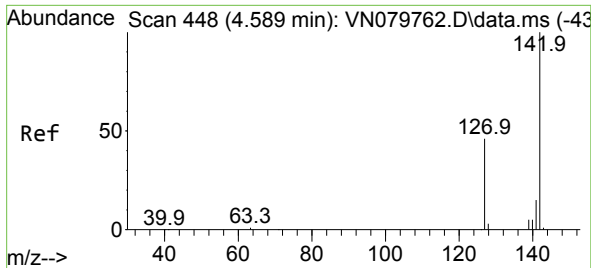
Tgt Ion: 94 Resp: 776
Ion Ratio Lower Upper
94 100
96 61.6 73.1 109.7#



#6
Chloroethane
Concen: 0.219 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.035 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

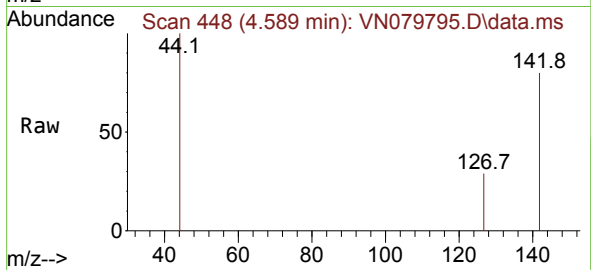
Tgt Ion: 64 Resp: 645
Ion Ratio Lower Upper
64 100
66 4.9 25.4 38.2#



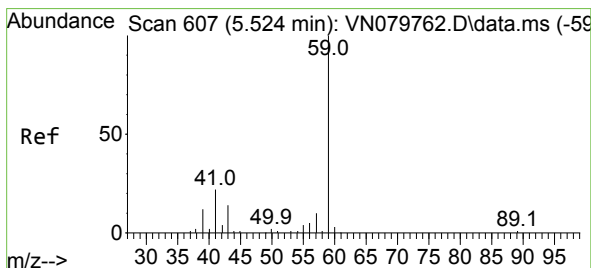
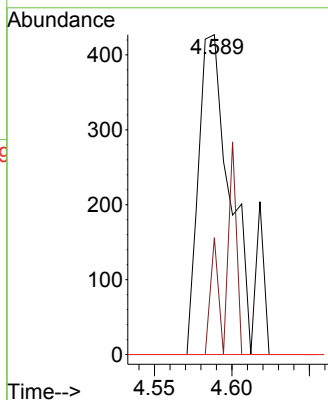
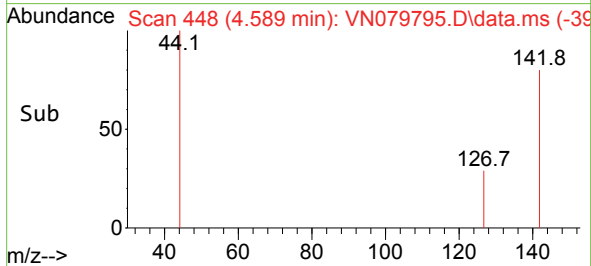


#10
Methyl Iodide
Concen: 0.217 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

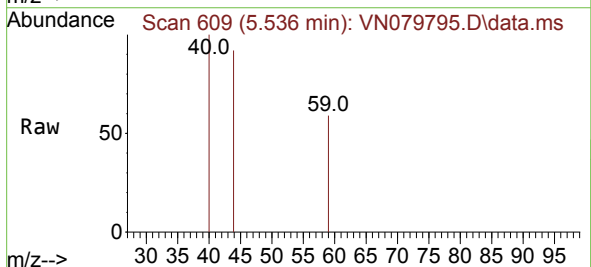
Instrument :
MSVOA_N
ClientSampleId :



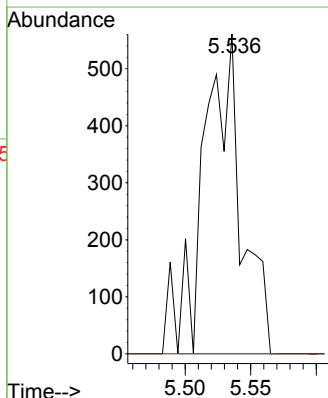
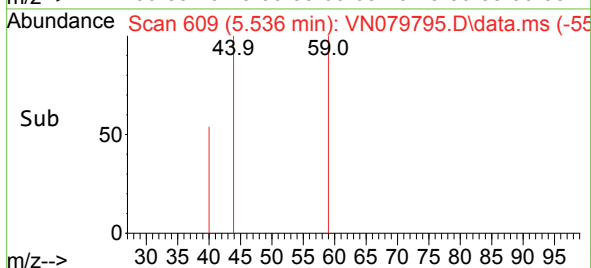
Tgt Ion:142 Resp: 666
Ion Ratio Lower Upper
142 100
127 36.5 37.6 56.4#
141 0.0 11.4 17.0#

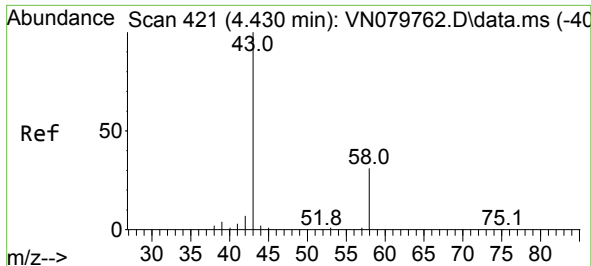


#11
Tert butyl alcohol
Concen: 2.369 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23



Tgt Ion: 59 Resp: 1089
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

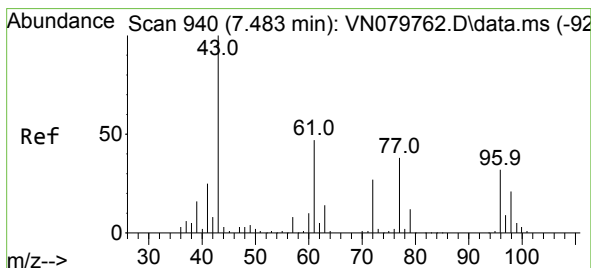
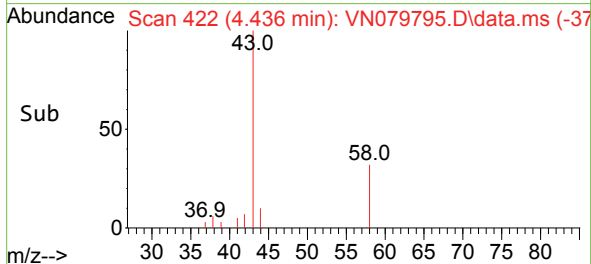
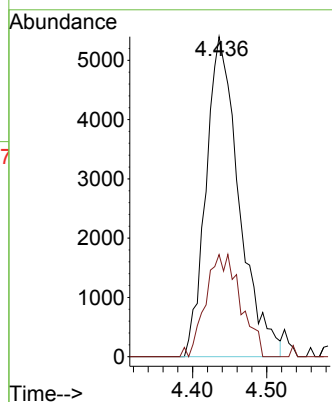
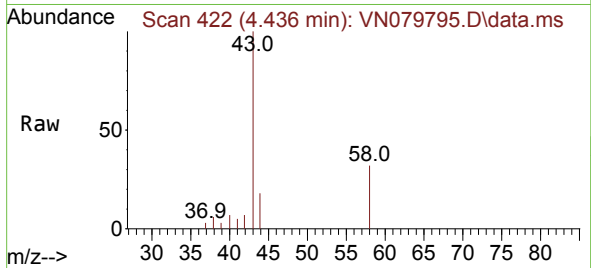




#16
Acetone
Concen: 13.238 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

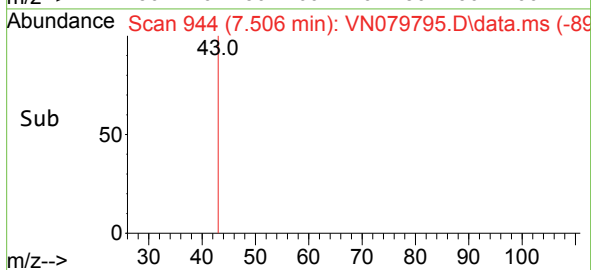
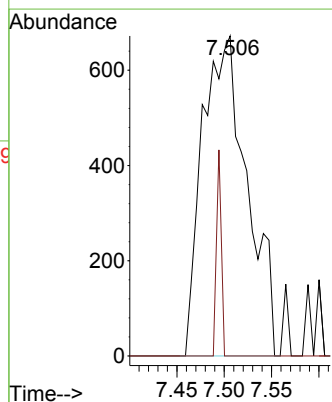
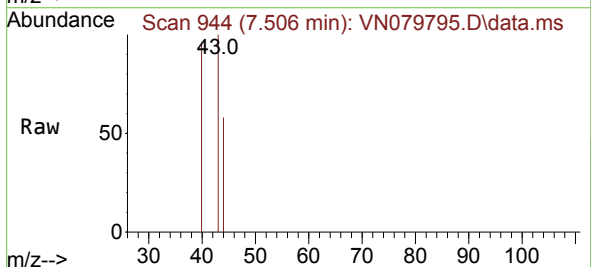
Instrument :
MSVOA_N
ClientSampleId :

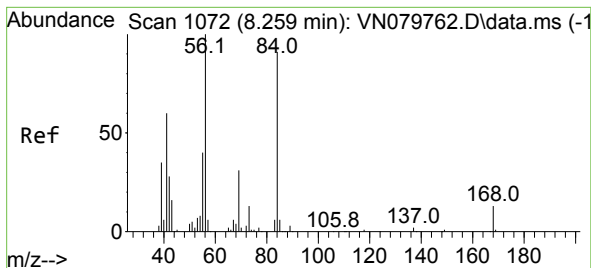
Tgt Ion: 43 Resp: 16744
Ion Ratio Lower Upper
43 100
58 31.9 28.0 42.0



#25
2-Butanone
Concen: 1.193 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#31

Cyclohexane

Concen: 1.367 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

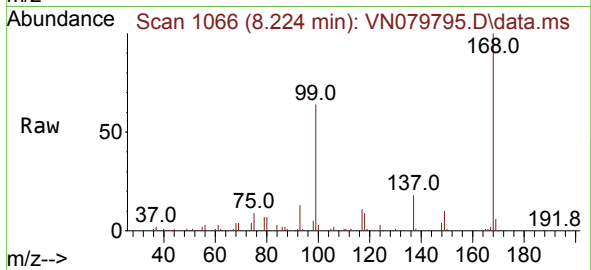
Lab File: VN079795.D

Acq: 02 Nov 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



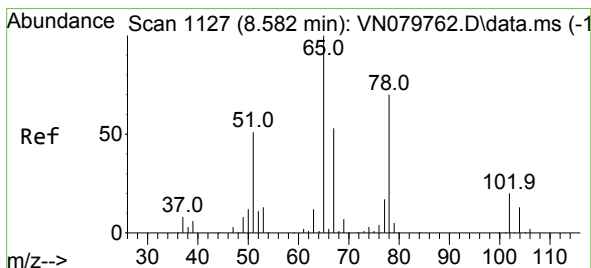
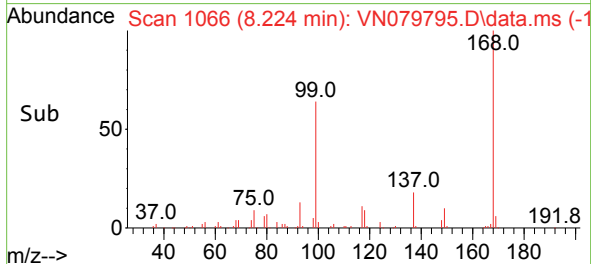
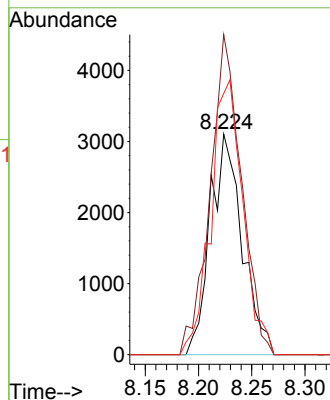
Tgt Ion: 56 Resp: 6503

Ion Ratio Lower Upper

56 100

69 145.1 26.8 40.2#

84 118.4 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 58.782 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN079795.D

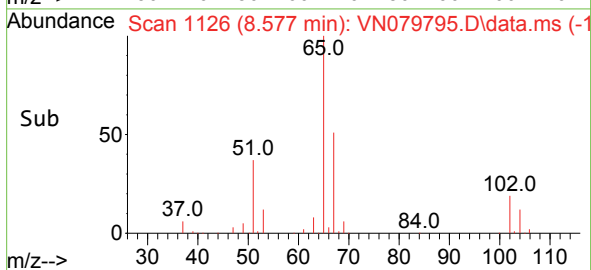
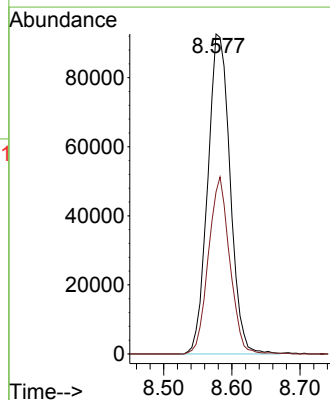
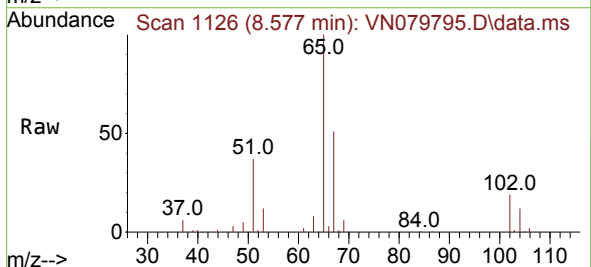
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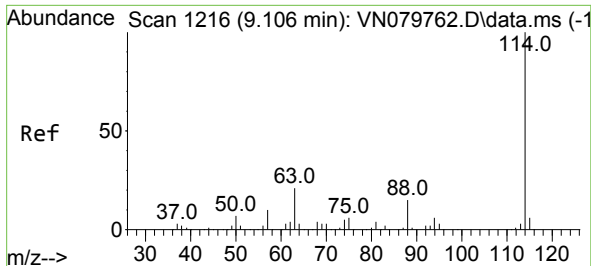
Tgt Ion: 65 Resp: 211673

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079795.D

Acq: 02 Nov 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

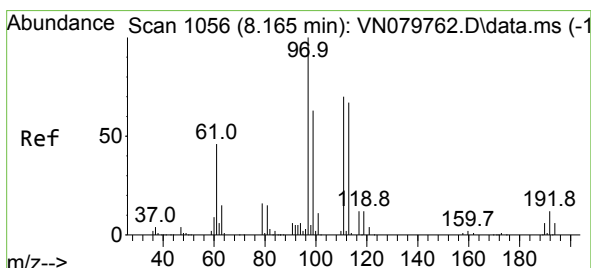
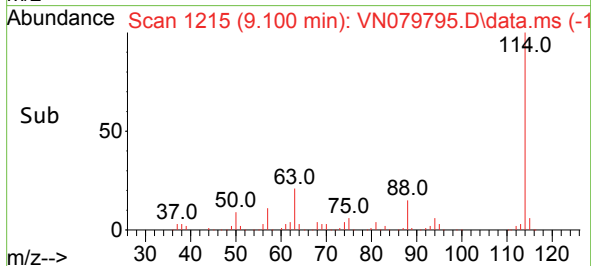
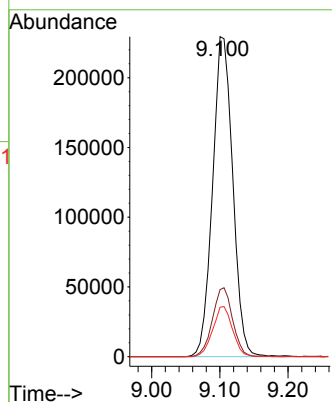
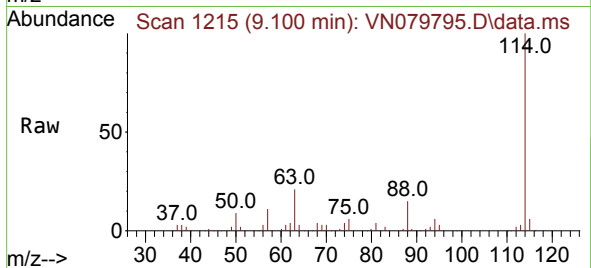
Tgt Ion:114 Resp: 472475

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.484 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079795.D

Acq: 02 Nov 2023 14:23

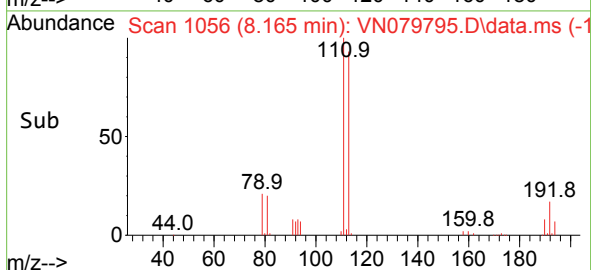
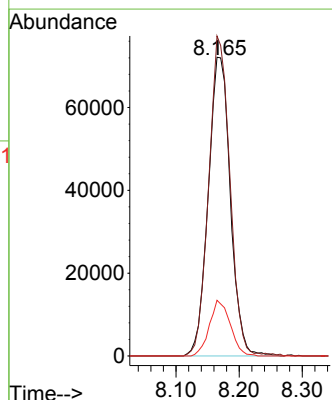
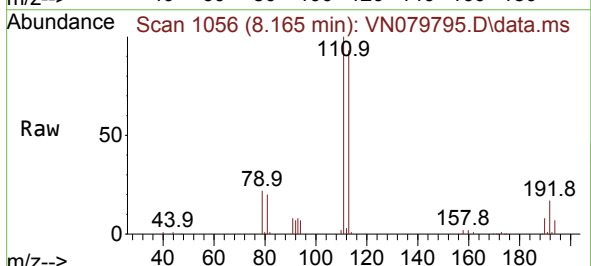
Tgt Ion:113 Resp: 175507

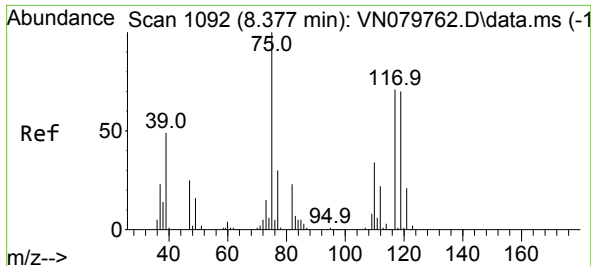
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 17.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

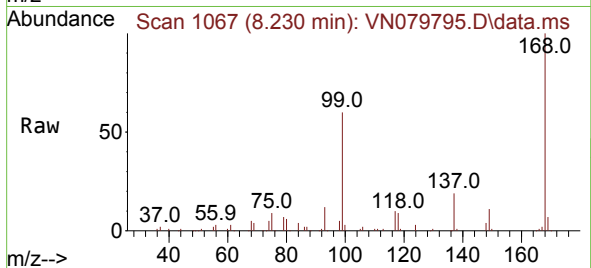
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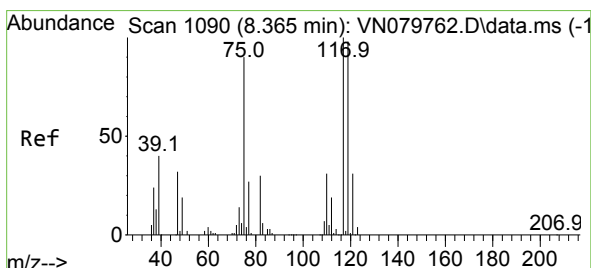
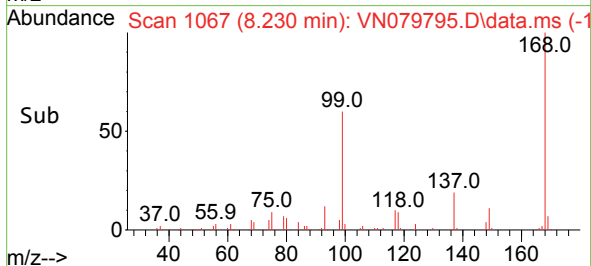
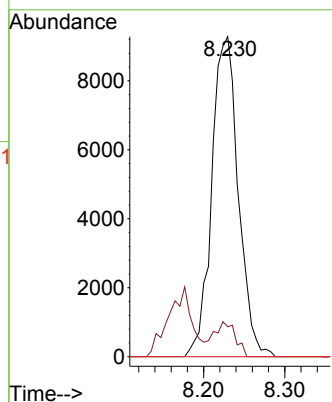
Tgt Ion: 75 Resp: 21091

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.366 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN079795.D

Acq: 02 Nov 2023 14:23

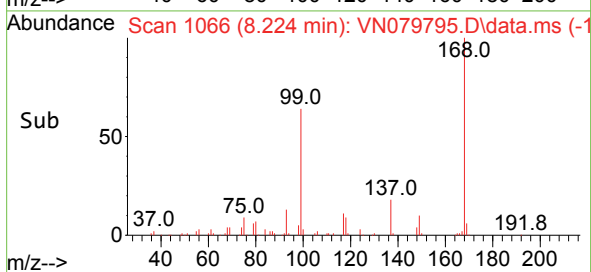
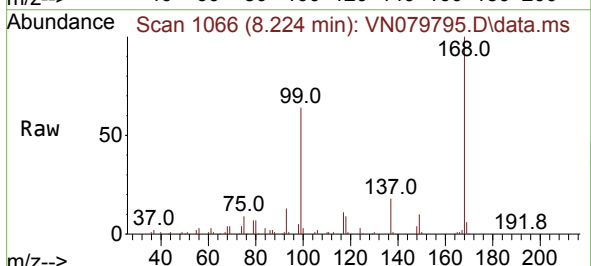
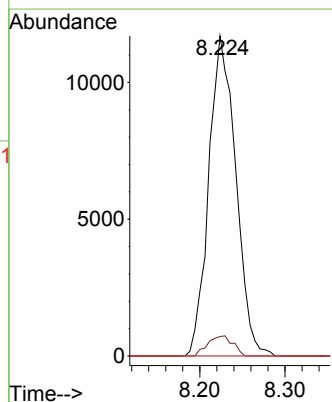
Tgt Ion: 117 Resp: 25821

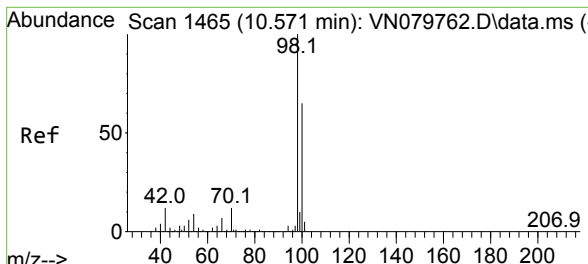
Ion Ratio Lower Upper

117 100

119 6.1 77.3 115.9#

121 0.0 23.3 34.9#

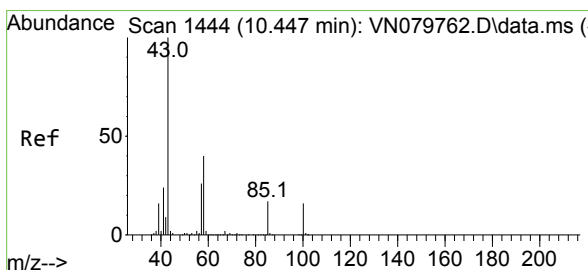
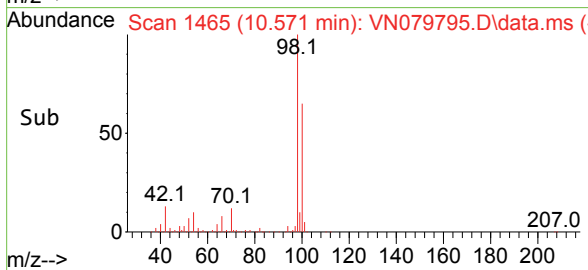
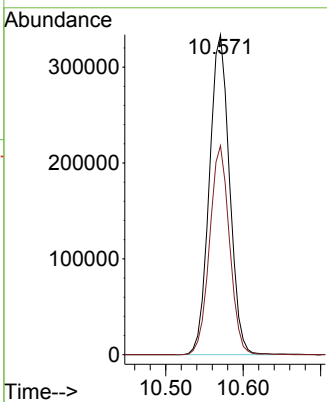
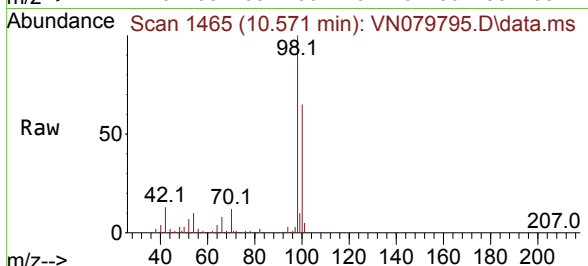




#50
Toluene-d8
Concen: 48.989 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

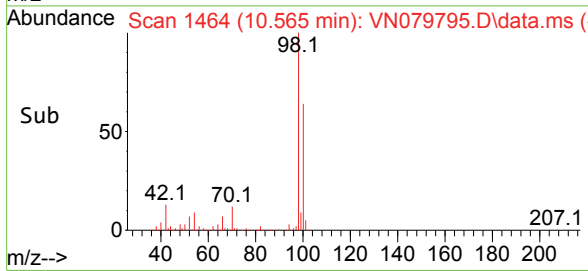
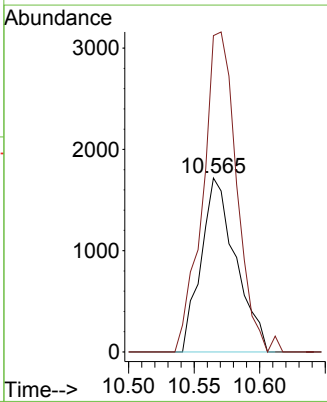
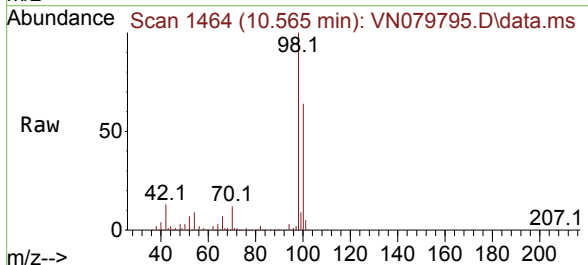
Instrument :
MSVOA_N
ClientSampleId :

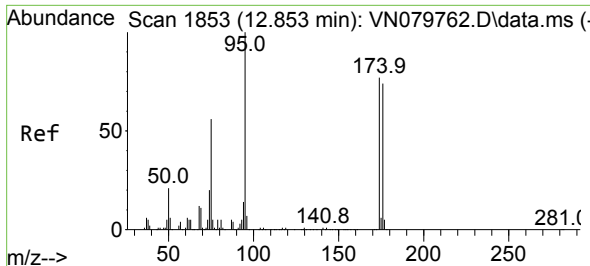
Tgt Ion: 98 Resp: 603078
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.732 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

Tgt Ion: 43 Resp: 3166
Ion Ratio Lower Upper
43 100
58 180.2 36.6 54.8#

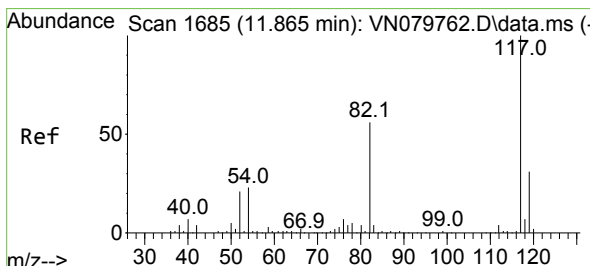
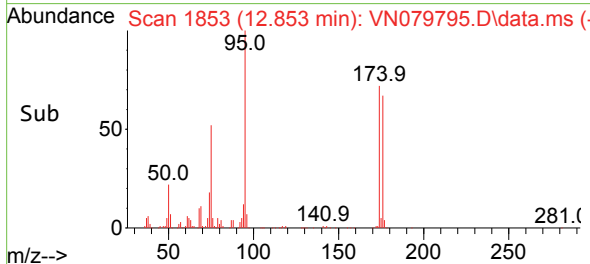
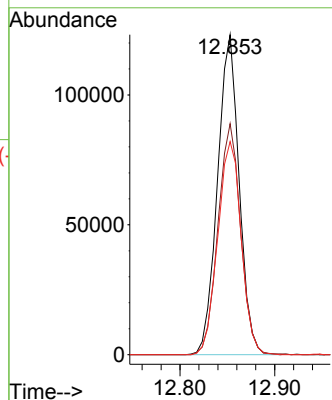
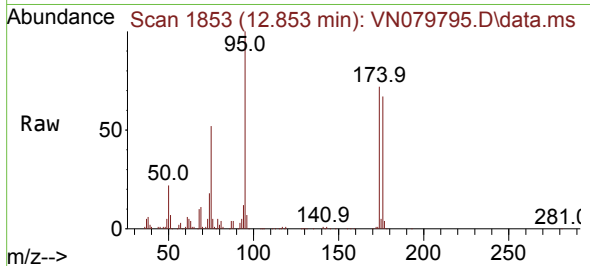




#62
4-Bromofluorobenzene
Concen: 47.938 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

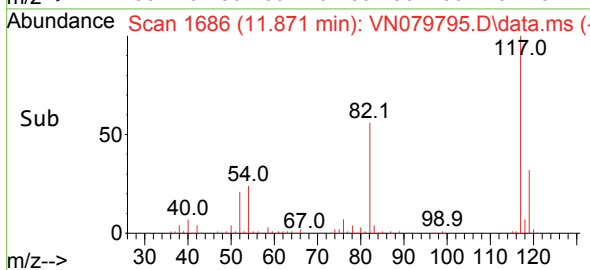
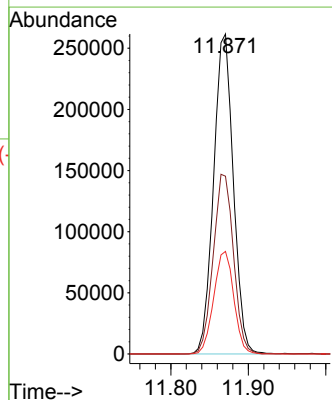
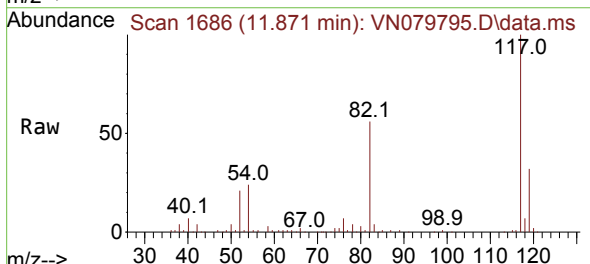
Instrument :
MSVOA_N
ClientSampleId :

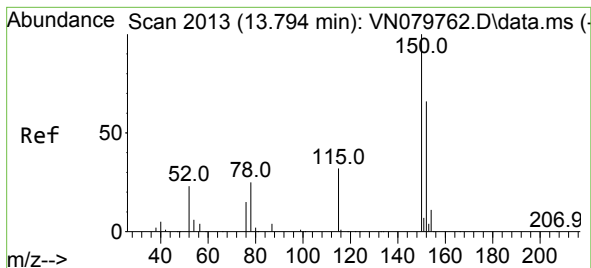
Tgt Ion: 95 Resp: 195721
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 72.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079795.D
Acq: 02 Nov 2023 14:23

Tgt Ion: 117 Resp: 463310
Ion Ratio Lower Upper
117 100
82 55.6 44.0 66.0
119 32.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

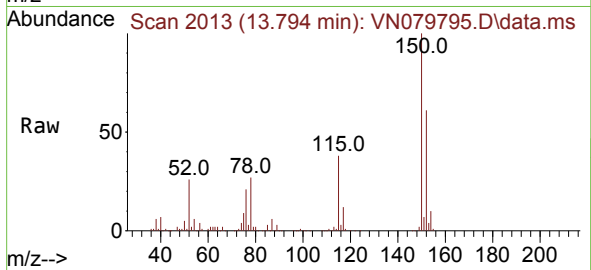
Lab File: VN079795.D

Acq: 02 Nov 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



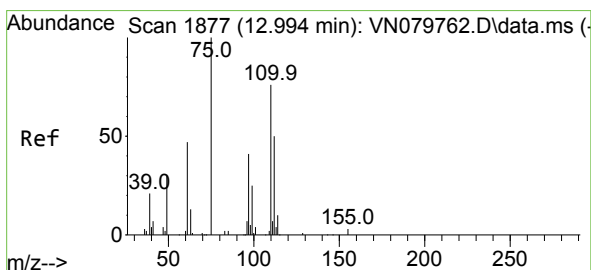
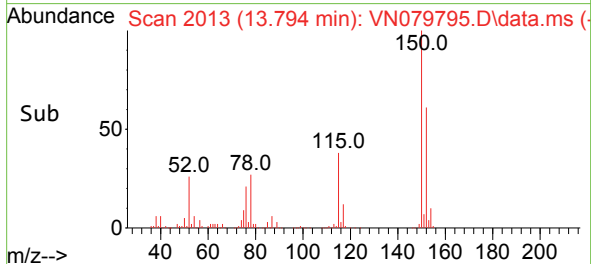
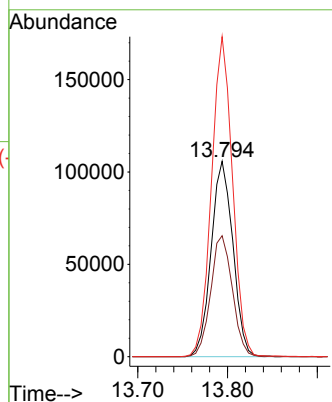
Tgt Ion:152 Resp: 178205

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.9 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 26.109 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079795.D

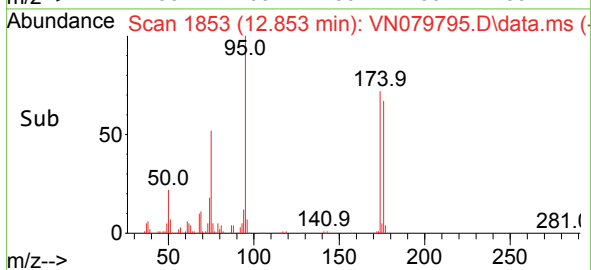
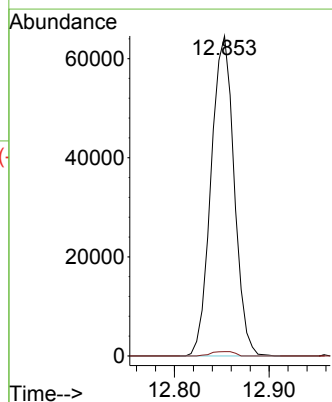
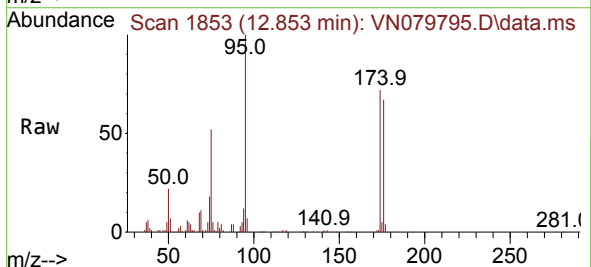
Acq: 02 Nov 2023 14:23

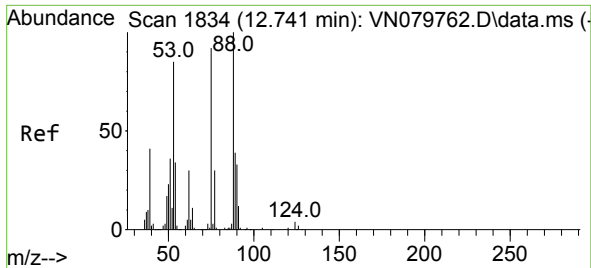
Tgt Ion: 75 Resp: 109235

Ion Ratio Lower Upper

75 100

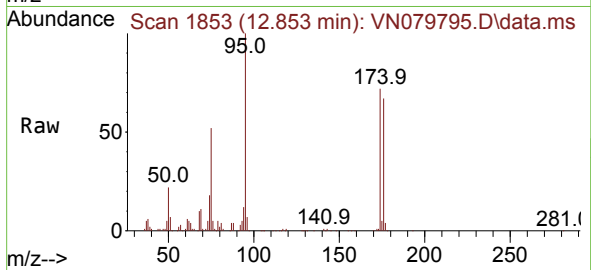
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.038 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079795.D
 Acq: 02 Nov 2023 14:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 109235
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

