

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079478.D
 Acq On : 09 Oct 2023 17:36
 Operator : JC\MD
 Sample : 04740-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:18:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

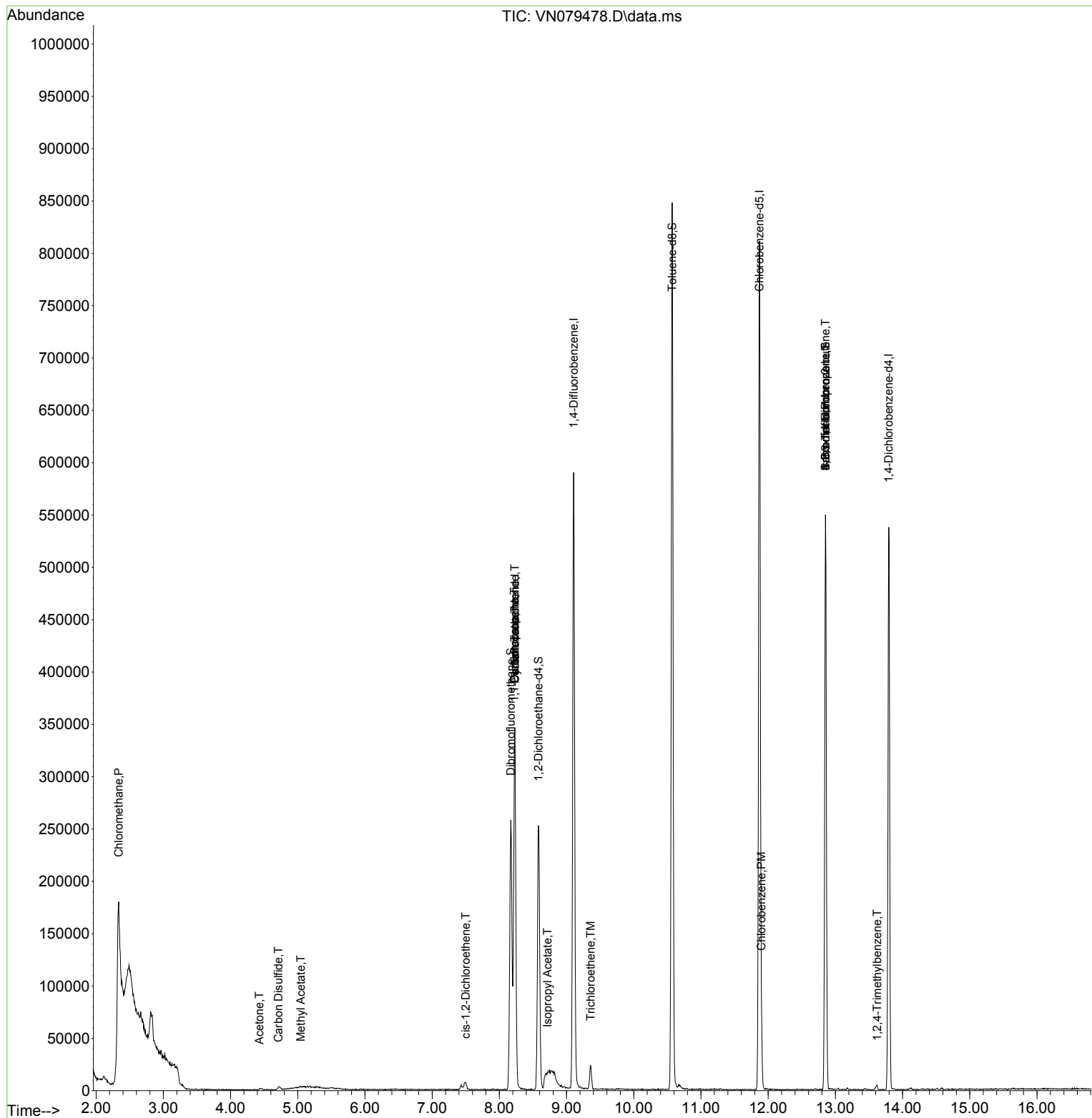
Internal Standards						
1) Pentafluorobenzene	8.230	168	242185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	478908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	446352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	209517	53.355	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.720%	
35) Dibromofluoromethane	8.171	113	182595	53.055	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.120%	
50) Toluene-d8	10.571	98	570846	45.841	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.680%	
62) 4-Bromofluorobenzene	12.853	95	185202	46.343	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.336	50	6269	1.448	ug/l #	42
16) Acetone	4.430	43	775	0.498	ug/l #	40
17) Carbon Disulfide	4.712	76	6659	0.746	ug/l #	75
18) Methyl Acetate	5.047	43	2529	0.332	ug/l #	61
20) Methylene Chloride	5.283	84	75	Below Cal	#	8
27) cis-1,2-Dichloroethene	7.500	96	4357	1.200	ug/l	98
31) Cyclohexane	8.230	56	6886	1.236	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	22654	4.386	ug/l #	47
38) Carbon Tetrachloride	8.230	117	25240	4.881	ug/l #	16
43) Isopropyl Acetate	8.718	43	17204	1.911	ug/l #	49
44) Trichloroethene	9.359	130	7426	2.057	ug/l	89
65) Chlorobenzene	11.900	112	31521	3.171	ug/l	100
71) Bromoform	12.853	173	1152	0.432	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.853	83	76	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	101841	25.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101841	74.432	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.623	105	1942	0.201	ug/l #	32
90) Hexachloroethane	14.447	117	54	Below Cal	#	21

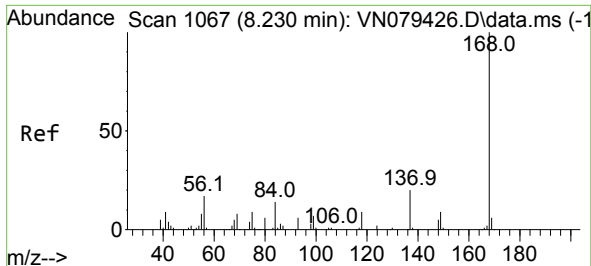
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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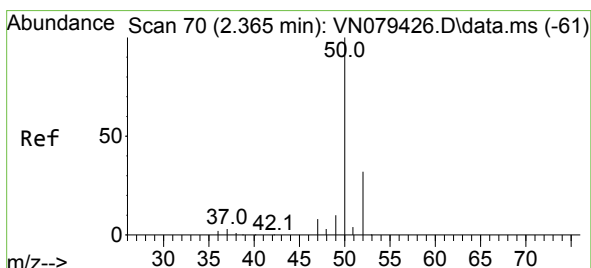
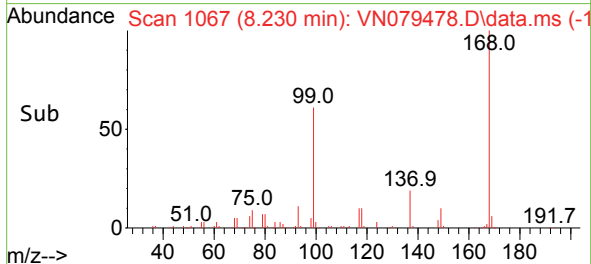
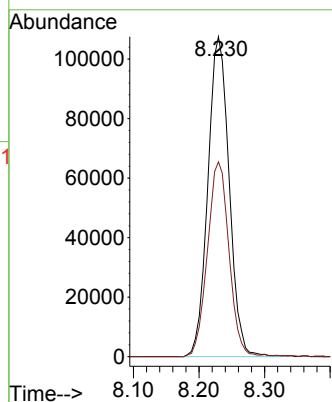
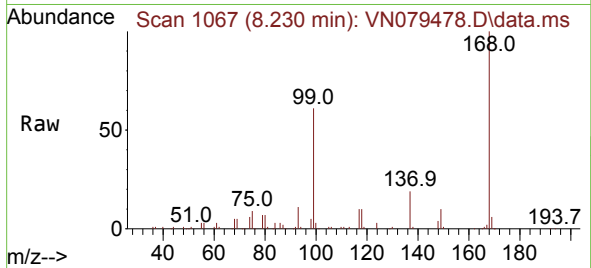




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

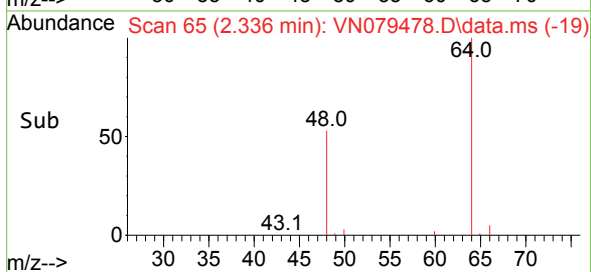
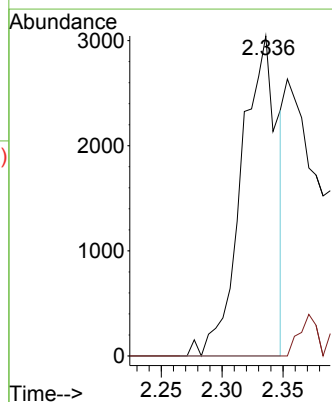
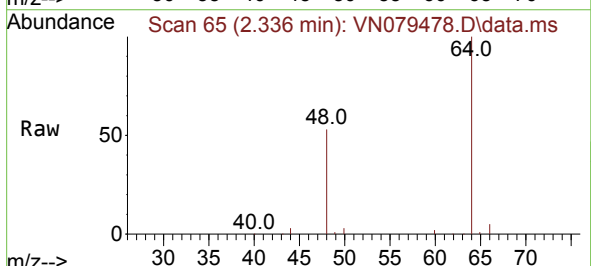
Instrument :
MSVOA_N
ClientSampleId :

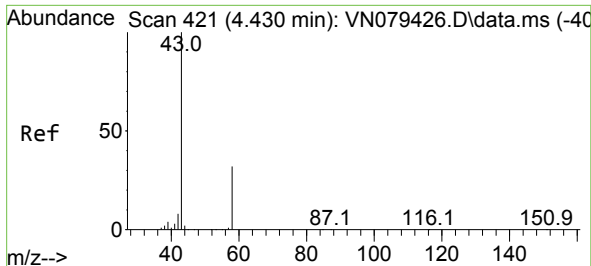
Tgt Ion:168 Resp: 242185
Ion Ratio Lower Upper
168 100
99 60.9 53.0 79.6



#3
Chloromethane
Concen: 1.448 ug/l
RT: 2.336 min Scan# 65
Delta R.T. -0.029 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

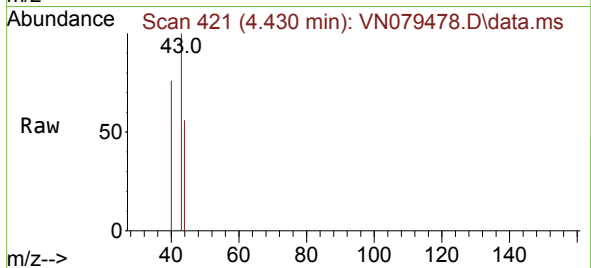
Tgt Ion: 50 Resp: 6269
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



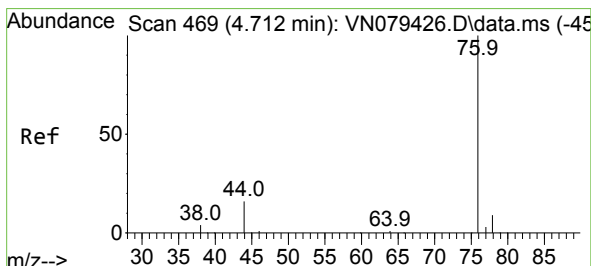
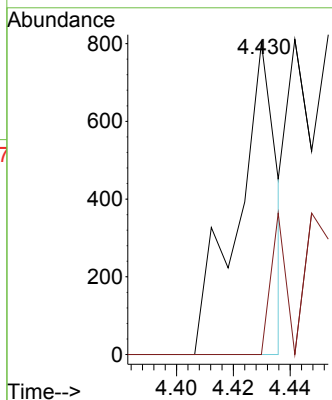
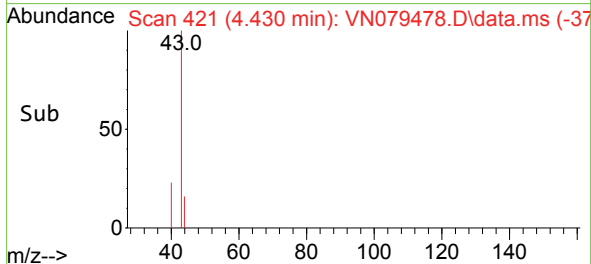


#16
Acetone
Concen: 0.498 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

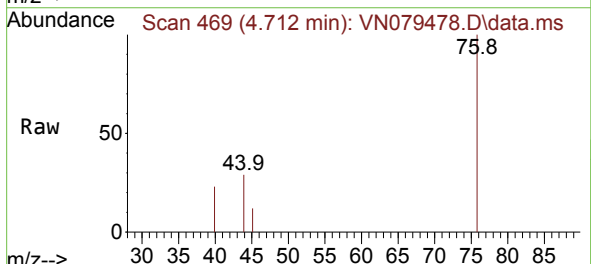
Instrument :
MSVOA_N
ClientSampleId :



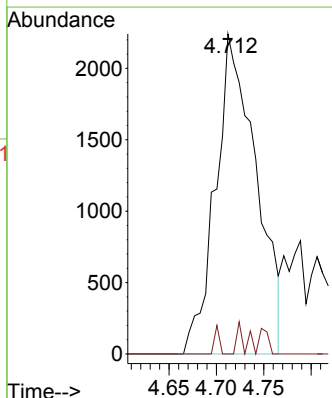
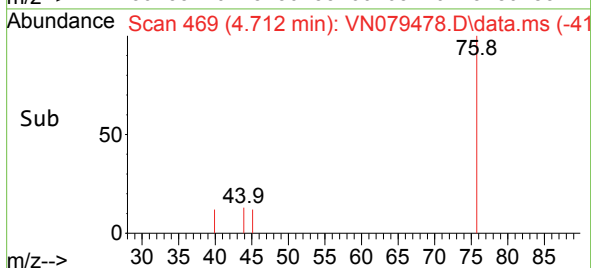
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

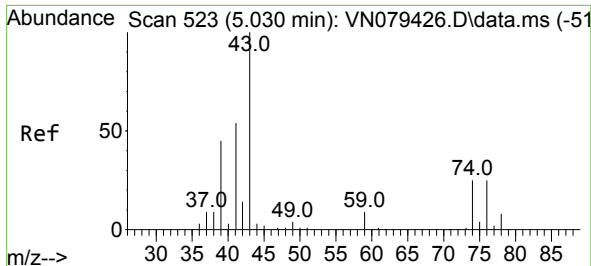


#17
Carbon Disulfide
Concen: 0.746 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36



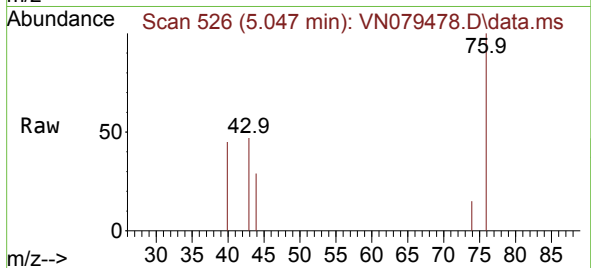
Tgt Ion: 76 Resp: 6659
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



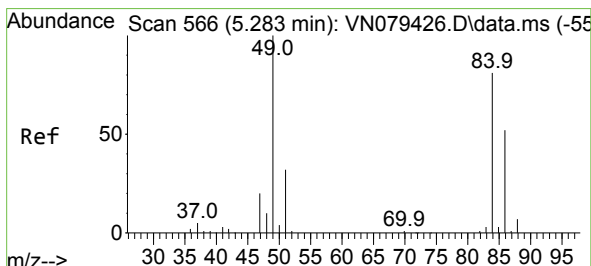
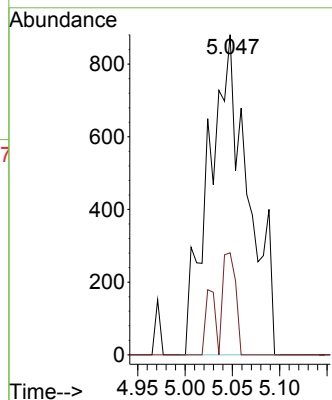
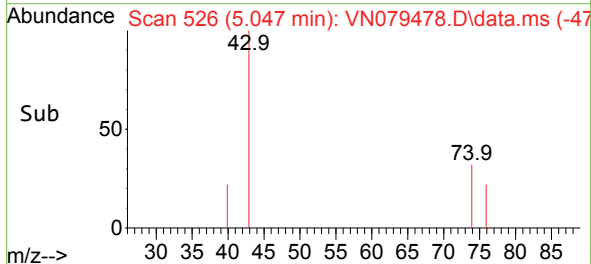


#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :

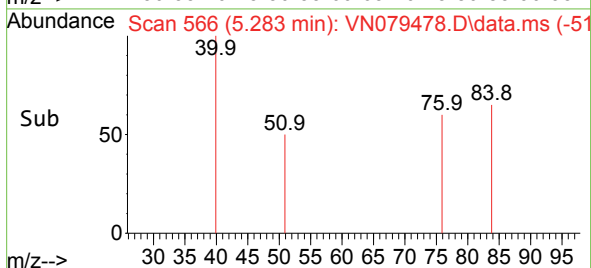
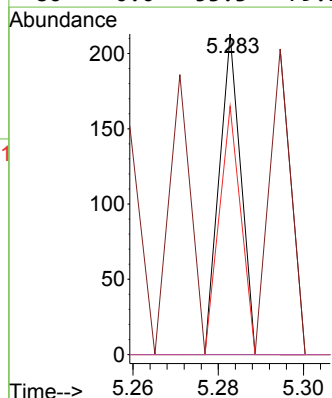
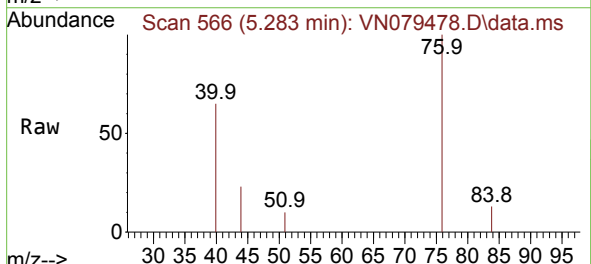


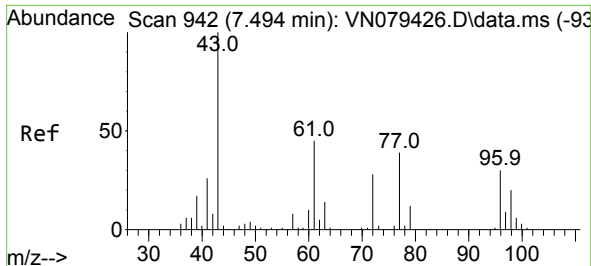
Tgt Ion: 43 Resp: 2529
Ion Ratio Lower Upper
43 100
74 10.6 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion: 84 Resp: 75
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 77.5 25.2 37.8#
86 0.0 53.3 79.9#





#27

cis-1,2-Dichloroethene

Concen: 1.200 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

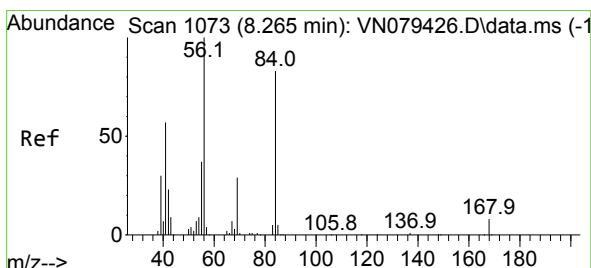
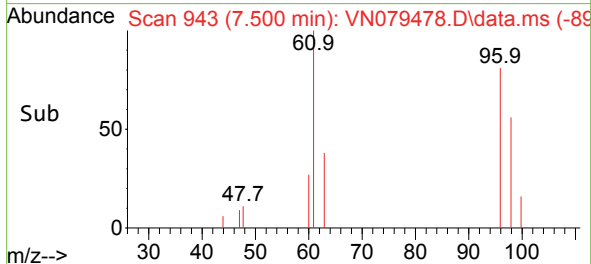
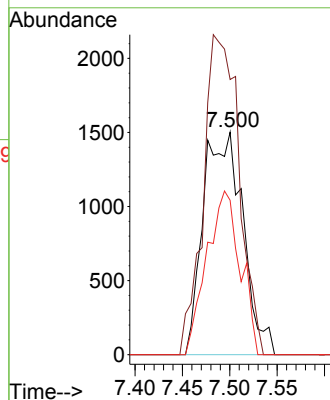
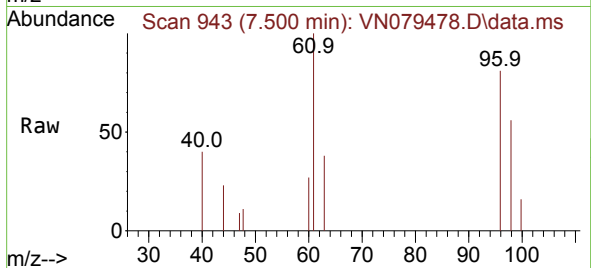
Tgt Ion: 96 Resp: 4357

Ion Ratio Lower Upper

96 100

61 129.7 0.0 255.2

98 62.4 0.0 128.8



#31

Cyclohexane

Concen: 1.236 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

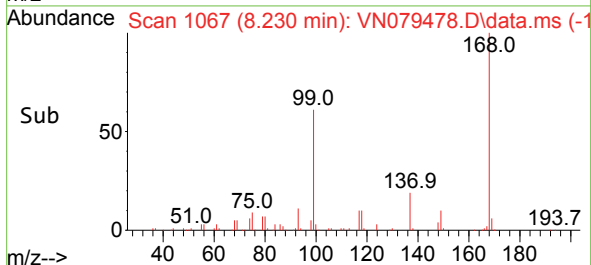
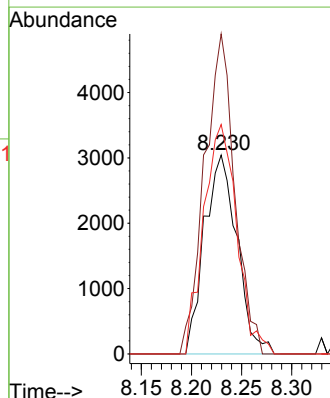
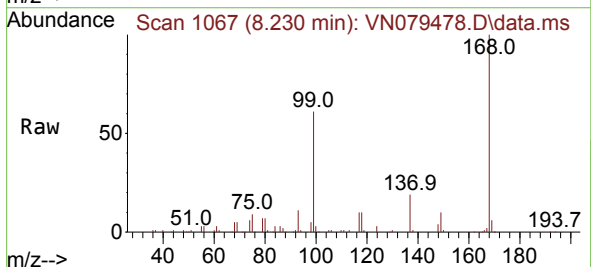
Tgt Ion: 56 Resp: 6886

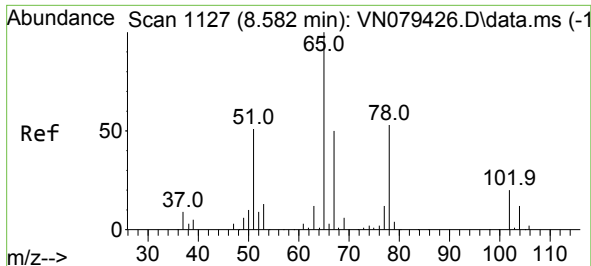
Ion Ratio Lower Upper

56 100

69 160.9 26.8 40.2#

84 115.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.355 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

Instrument :

MSVOA_N

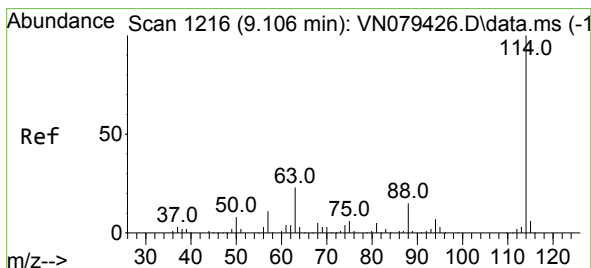
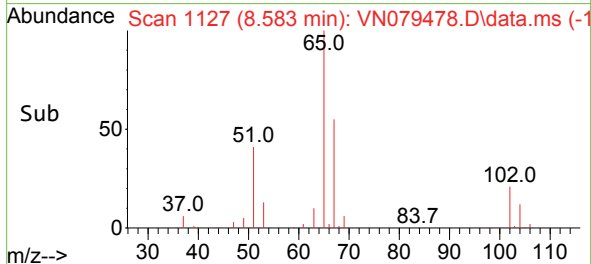
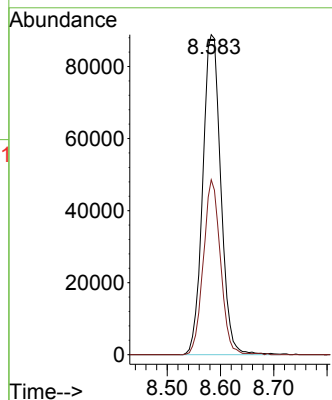
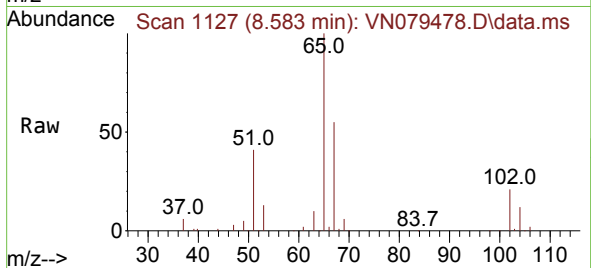
ClientSampleId :

Tgt Ion: 65 Resp: 209517

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079478.D

Acq: 09 Oct 2023 17:36

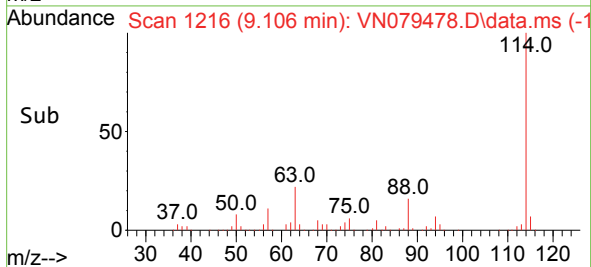
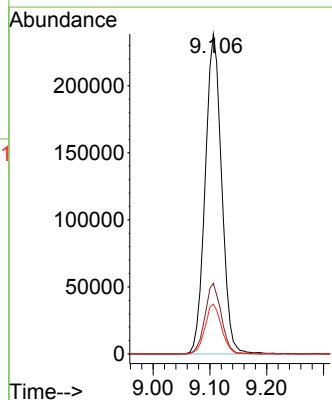
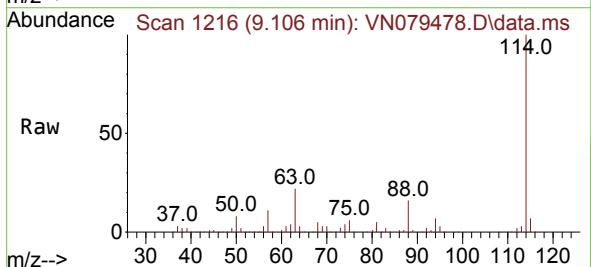
Tgt Ion: 114 Resp: 478908

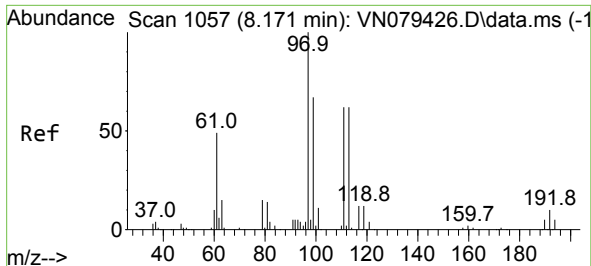
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.055 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

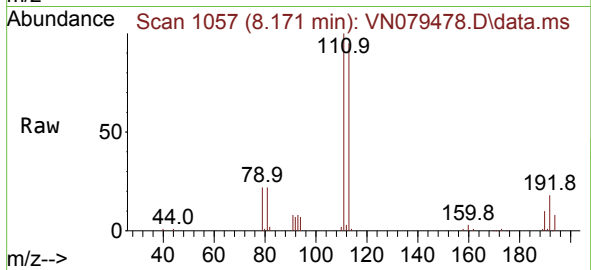
Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :



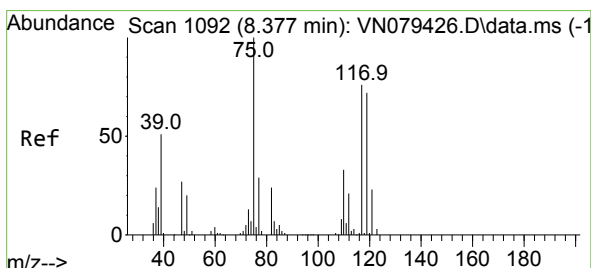
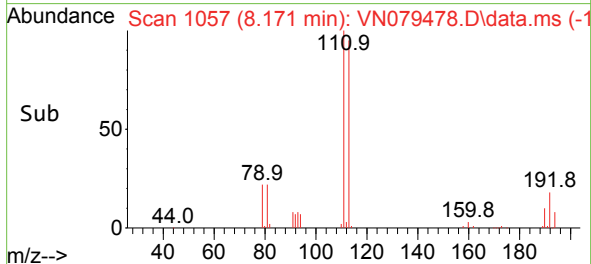
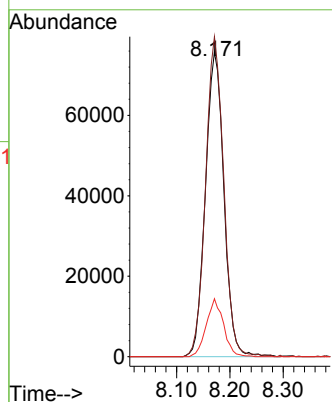
Tgt Ion:113 Resp: 182595

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.386 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

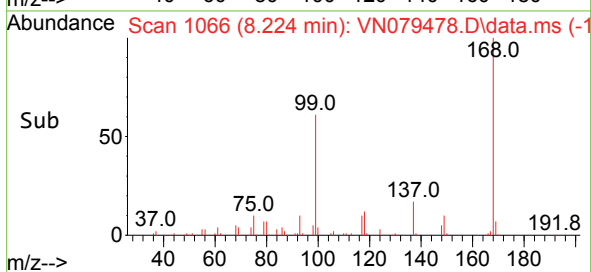
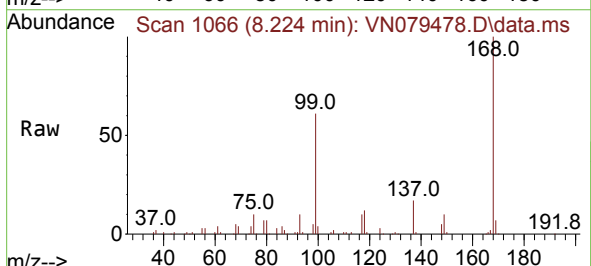
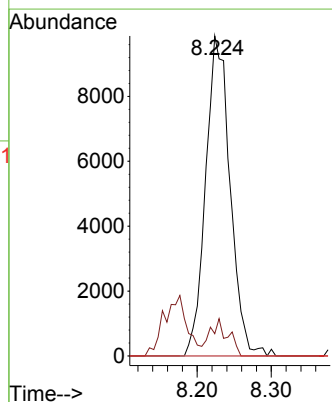
Tgt Ion: 75 Resp: 22654

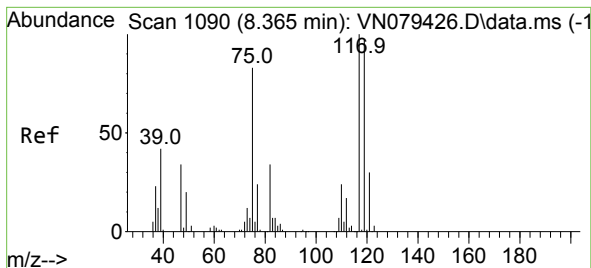
Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.881 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

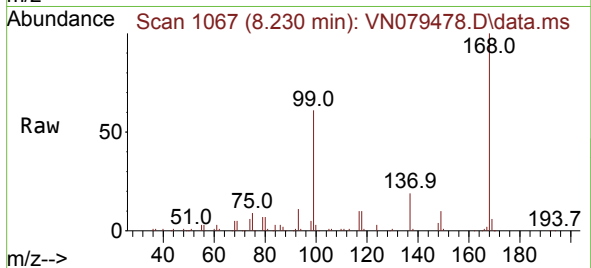
Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

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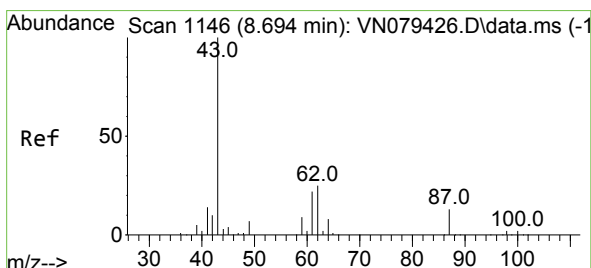
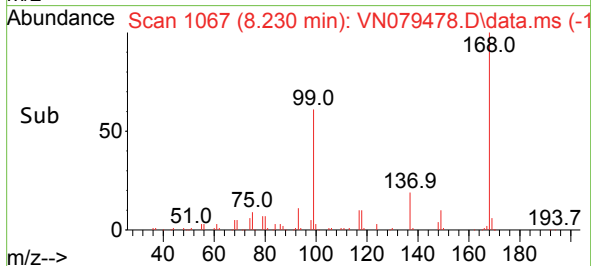
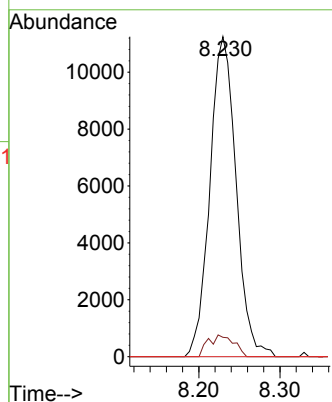
Tgt Ion:117 Resp: 25240

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 1.911 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.024 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

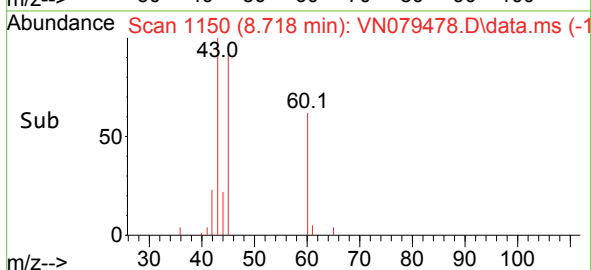
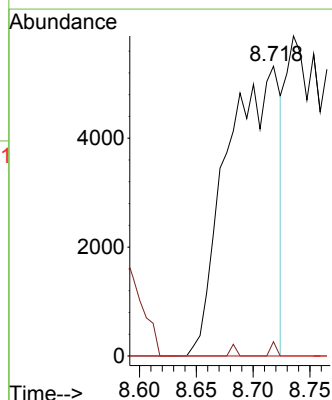
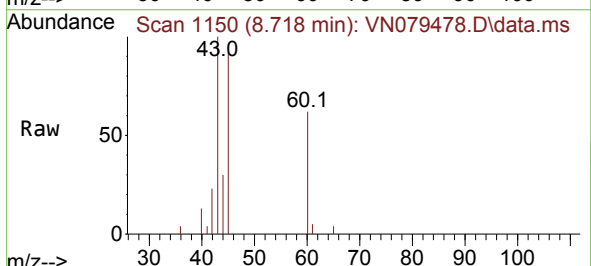
Tgt Ion: 43 Resp: 17204

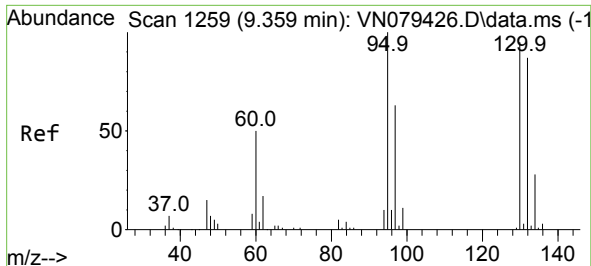
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

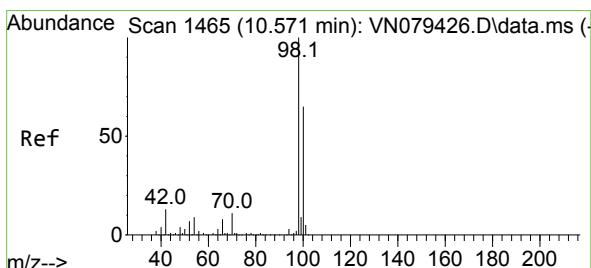
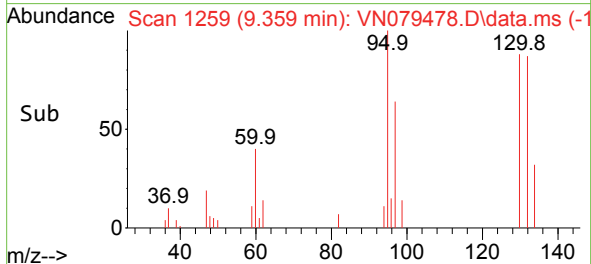
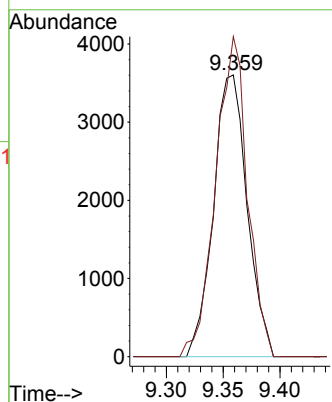
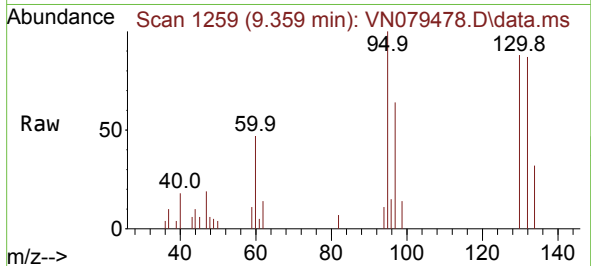




#44
Trichloroethene
Concen: 2.057 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

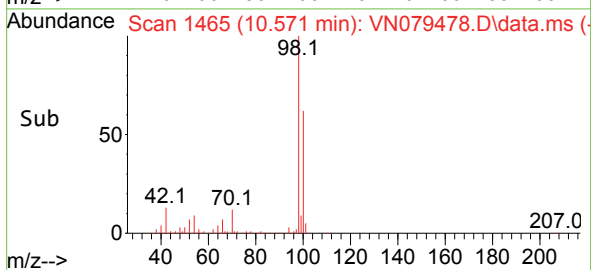
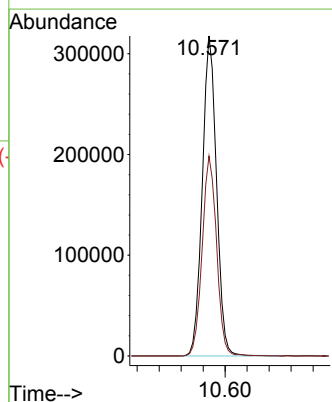
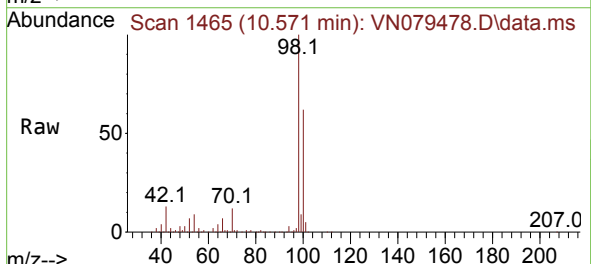
Instrument :
MSVOA_N
ClientSampleId :

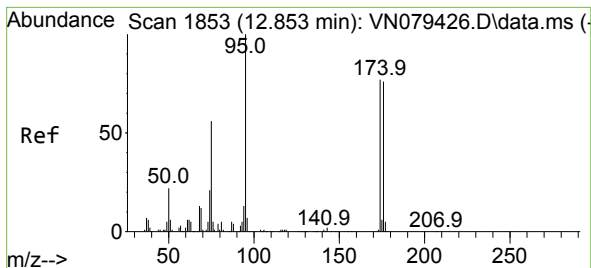
Tgt Ion:130 Resp: 7426
Ion Ratio Lower Upper
130 100
95 113.6 0.0 204.6



#50
Toluene-d8
Concen: 45.841 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion: 98 Resp: 570846
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0

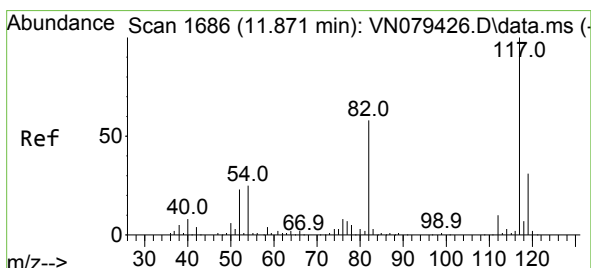
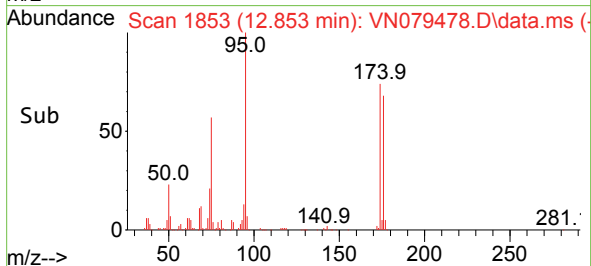
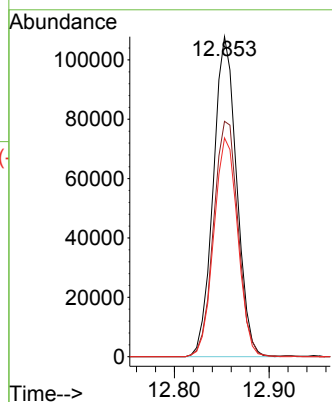
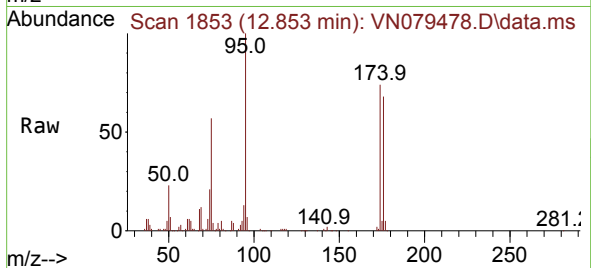




#62
4-Bromofluorobenzene
Concen: 46.343 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

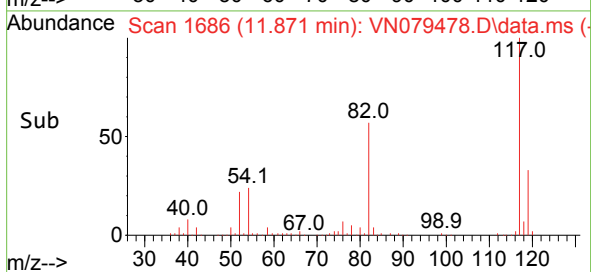
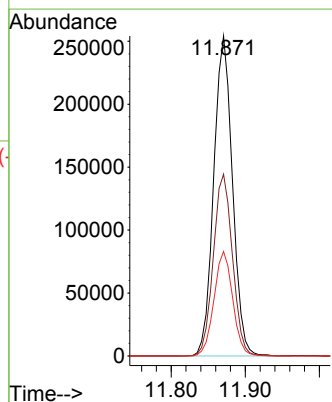
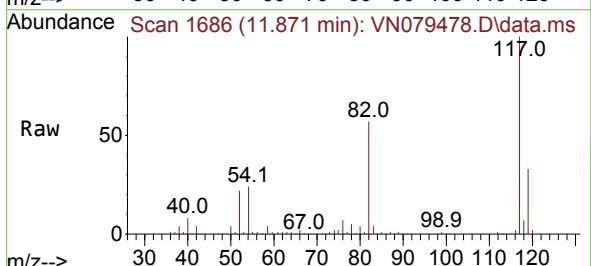
Instrument :
MSVOA_N
ClientSampleId :

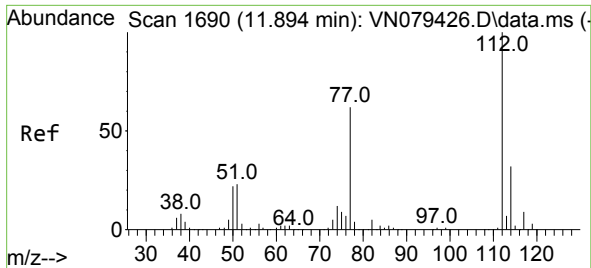
Tgt Ion: 95 Resp: 185202
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 70.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion: 117 Resp: 446352
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 32.7 25.6 38.4

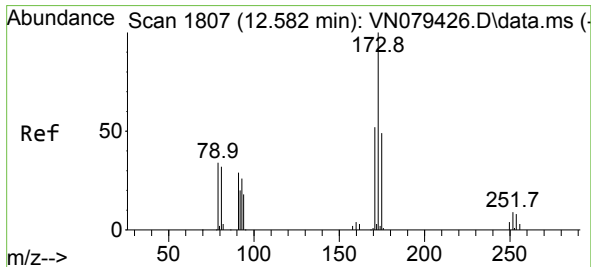
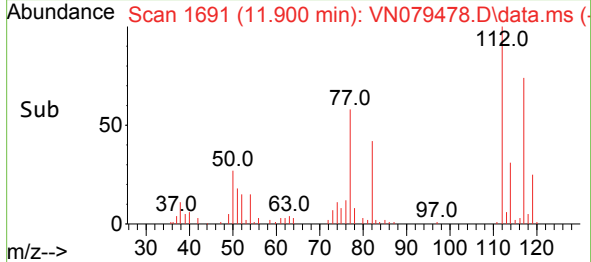
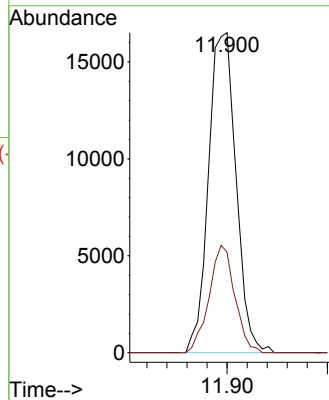
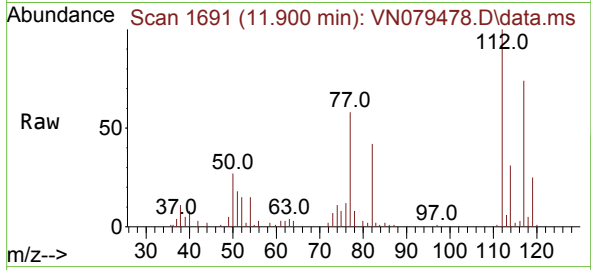




#65
Chlorobenzene
Concen: 3.171 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

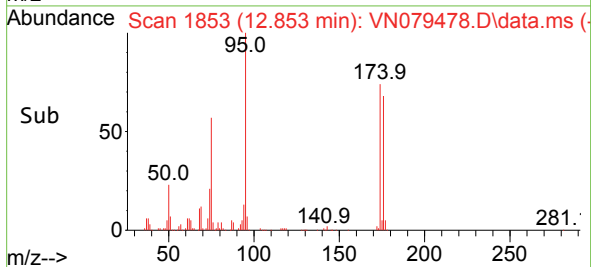
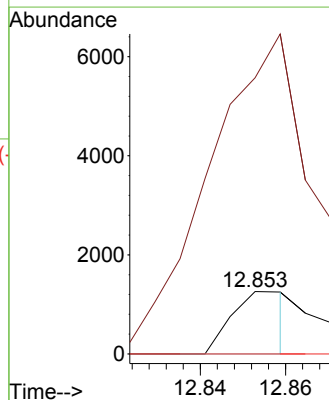
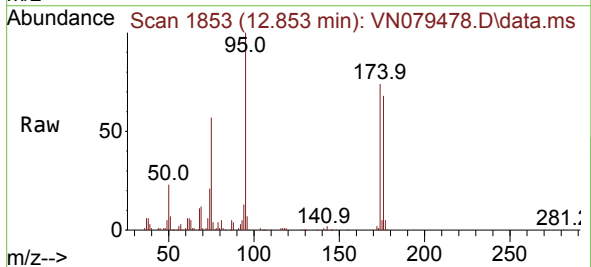
Instrument :
MSVOA_N
ClientSampleId :

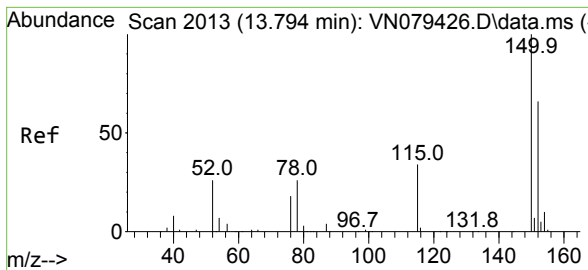
Tgt Ion:112 Resp: 31521
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#71
Bromoform
Concen: 0.432 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion:173 Resp: 1152
Ion Ratio Lower Upper
173 100
175 0.0 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# 20

Delta R.T. 0.000 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

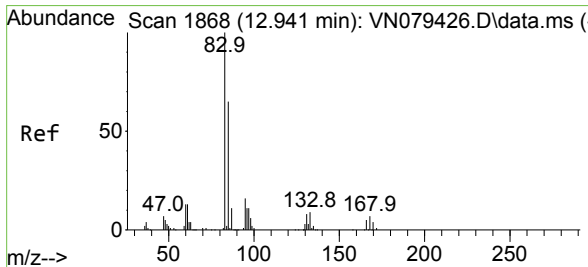
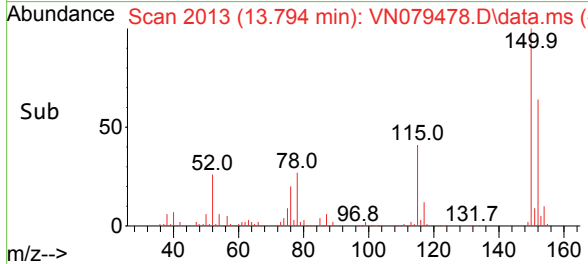
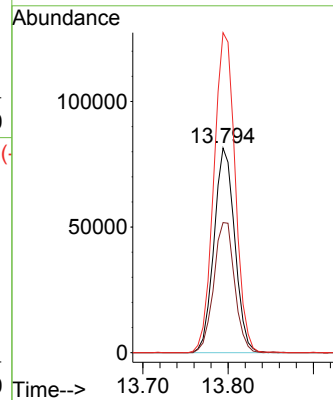
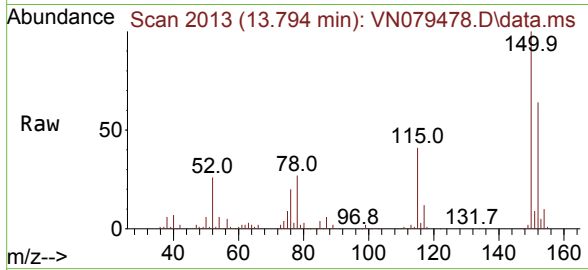
Tgt Ion:152 Resp: 137692

Ion Ratio Lower Upper

152 100

115 64.1 32.3 96.8

150 160.5 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN079478.D

Acq: 09 Oct 2023 17:36

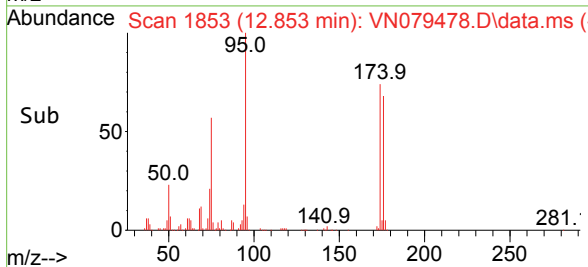
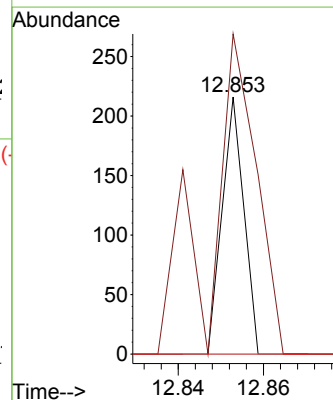
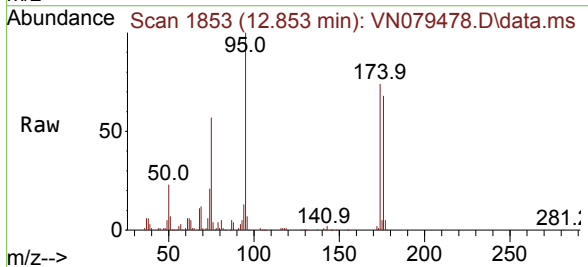
Tgt Ion: 83 Resp: 76

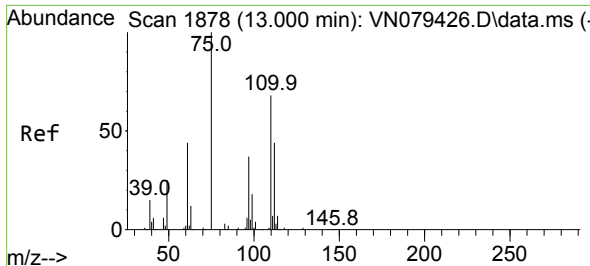
Ion Ratio Lower Upper

83 100

131 267.1 5.0 15.0#

85 0.0 31.9 95.7#

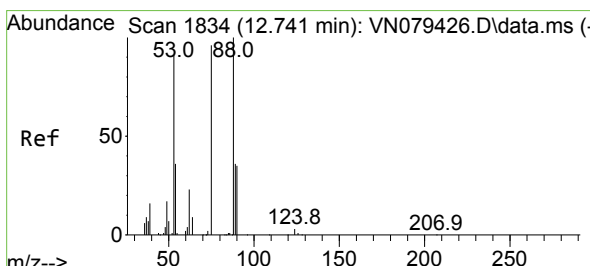
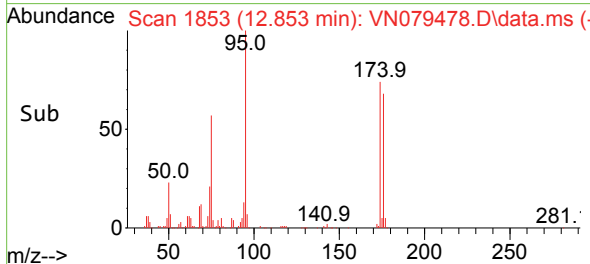
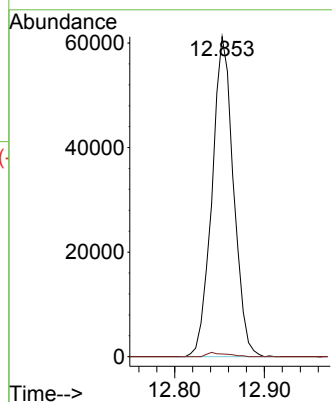
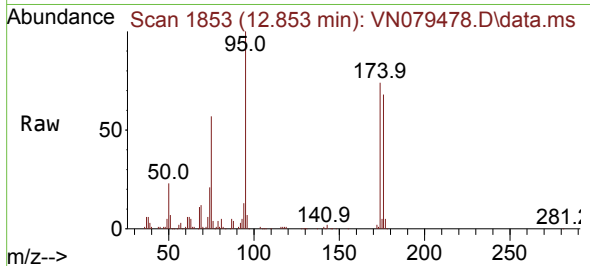




#76
1,2,3-Trichloropropane
Concen: 25.652 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

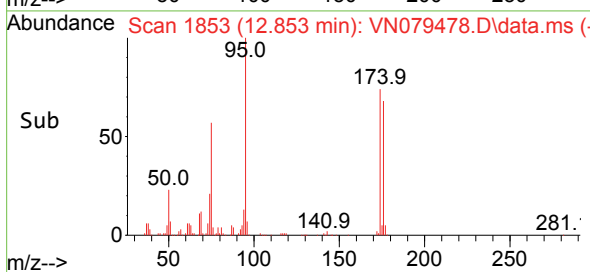
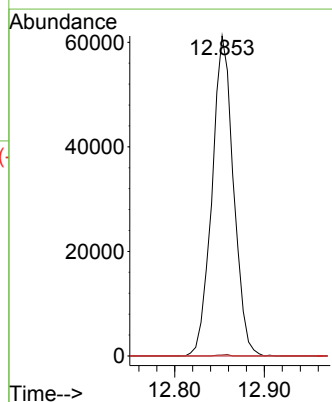
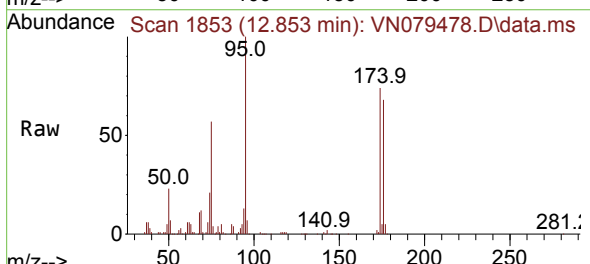
Instrument :
MSVOA_N
ClientSampleId :

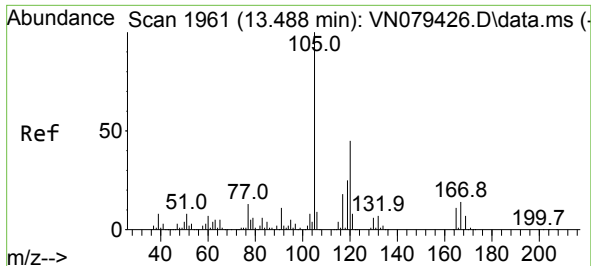
Tgt Ion: 75 Resp: 101841
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.432 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion: 75 Resp: 101841
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

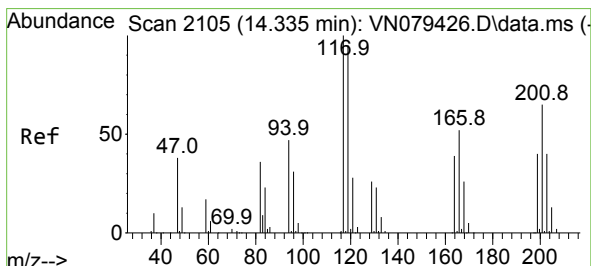
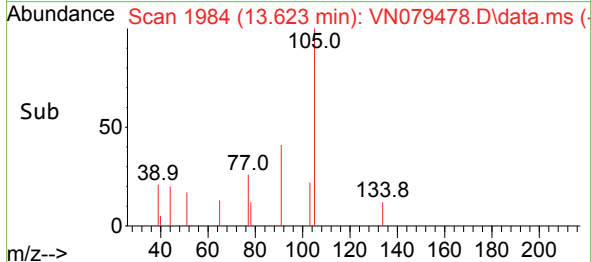
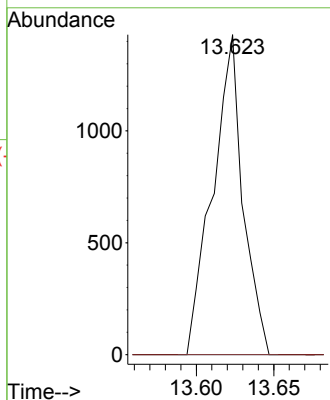
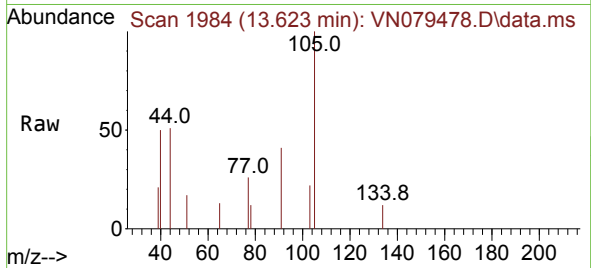




#84
1,2,4-Trimethylbenzene
Concen: 0.201 ug/l
RT: 13.623 min Scan# 1961
Delta R.T. 0.135 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 1942
Ion Ratio Lower Upper
105 100
120 0.0 22.0 66.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.447 min Scan# 2124
Delta R.T. 0.112 min
Lab File: VN079478.D
Acq: 09 Oct 2023 17:36

Tgt Ion:117 Resp: 54
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

