

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112522\
 Data File : VN075424.D
 Acq On : 25 Nov 2022 16:30
 Operator : JC\MD
 Sample : N5756-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20221117

Quant Time: Nov 28 03:37:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

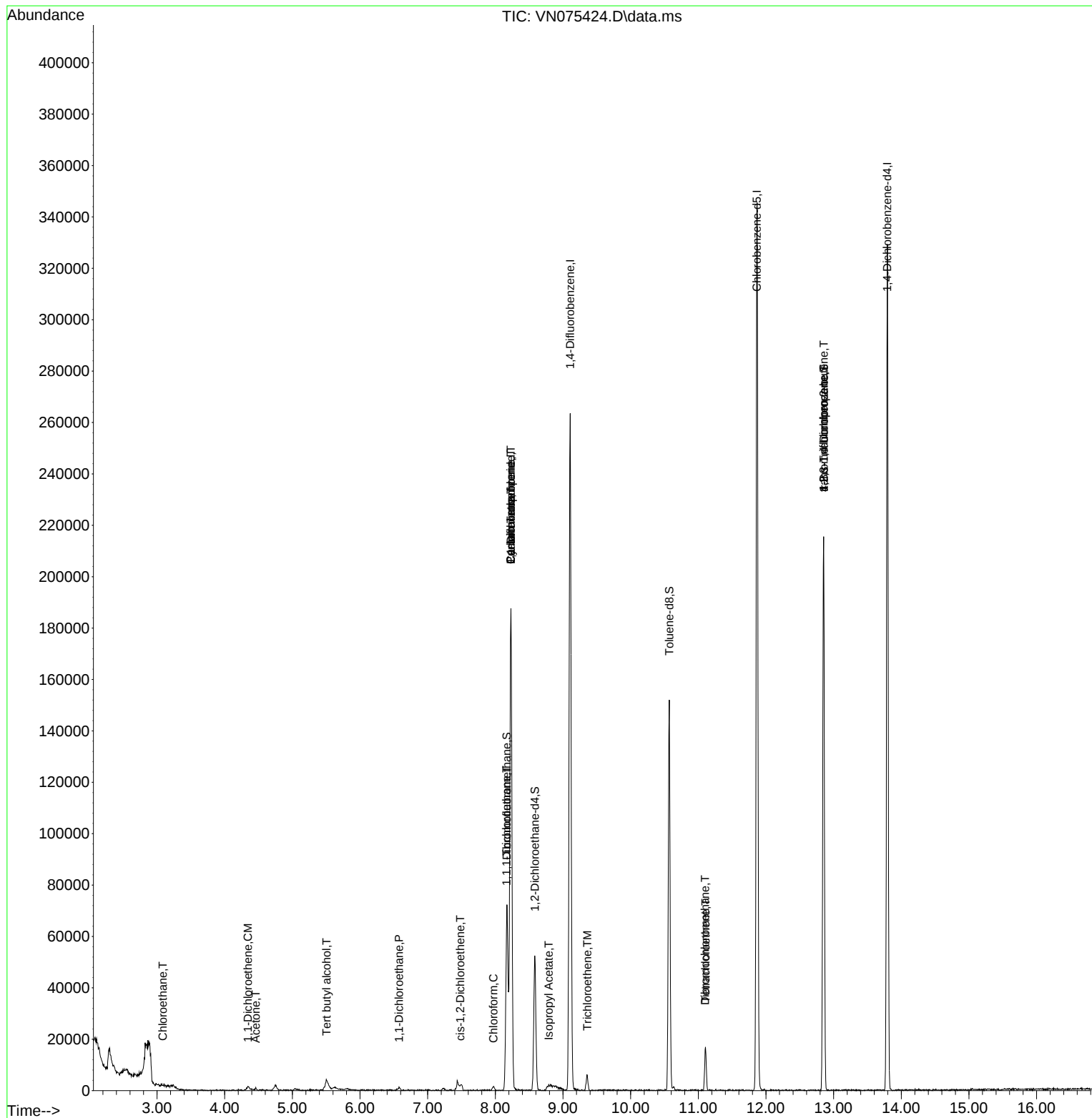
Internal Standards						
1) Pentafluorobenzene	8.230	168	144692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	41993	54.067	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.140%	
35) Dibromofluoromethane	8.171	113	51327	52.421	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.840%	
50) Toluene-d8	10.571	98	107609	48.796	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	12.853	95	74660	45.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.740%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.083	64	548	0.417	ug/l #	45
11) Tert butyl alcohol	5.506	59	3686	11.305	ug/l #	72
12) 1,1-Dichloroethene	4.342	96	702	0.524	ug/l #	67
16) Acetone	4.459	43	862	1.190	ug/l #	60
18) Methyl Acetate	5.036	43	739	Below Cal	#	47
24) 1,1-Dichloroethane	6.577	63	1848	0.728	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	1458	0.844	ug/l	87
30) Chloroform	7.971	83	1602	0.549	ug/l	85
31) Cyclohexane	8.230	56	2754	1.116	ug/l #	28
32) 1,1,1-Trichloroethane	8.165	97	849	0.321	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	10545	4.939	ug/l #	50
38) Carbon Tetrachloride	8.230	117	14796	6.308	ug/l #	17
43) Isopropyl Acetate	8.788	43	1430	0.463	ug/l #	53
44) Trichloroethene	9.359	130	2517	1.407	ug/l	94
60) Dibromochloromethane	11.100	129	3910	2.220	ug/l #	11
64) Tetrachloroethene	11.106	164	3898	2.356	ug/l #	87
76) 1,2,3-Trichloropropane	12.853	75	37856	21.850	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37856	64.651	ug/l #	10

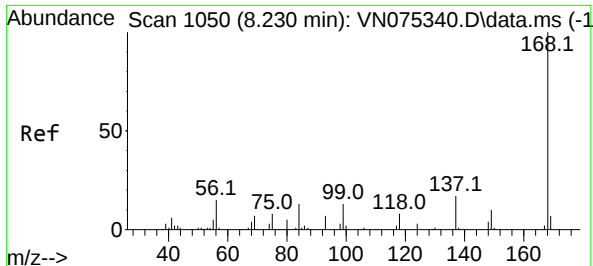
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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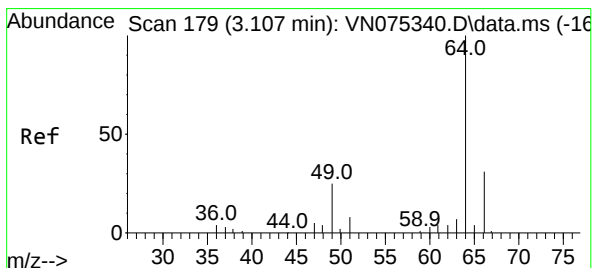
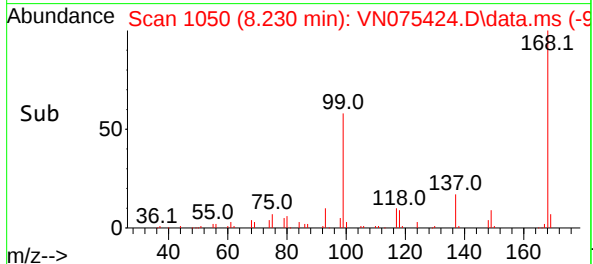
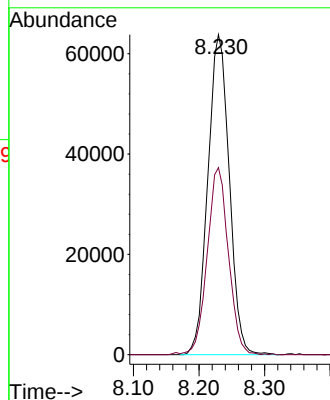
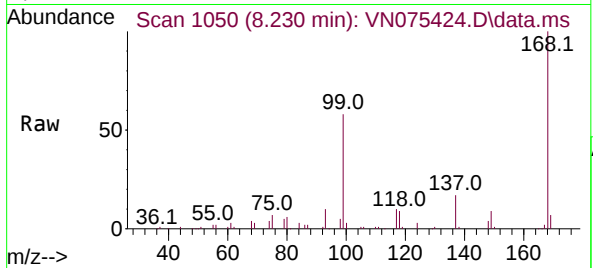




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

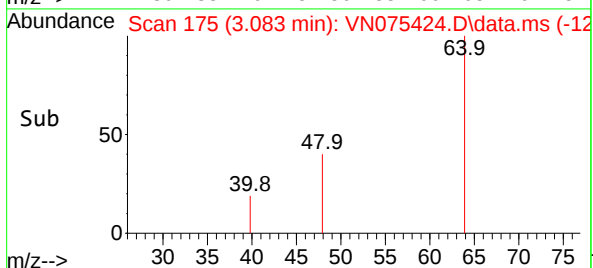
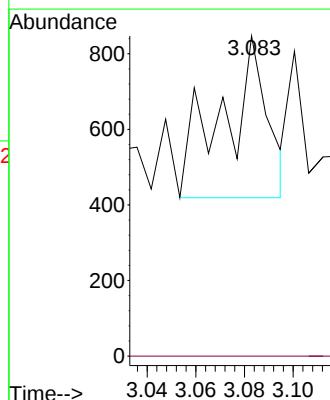
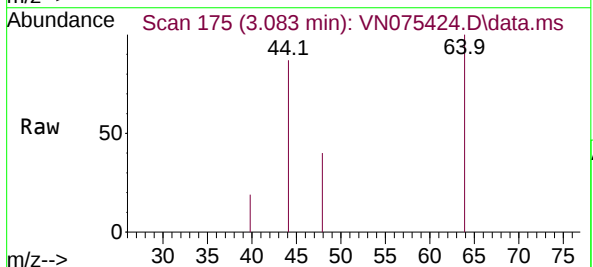
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20221117

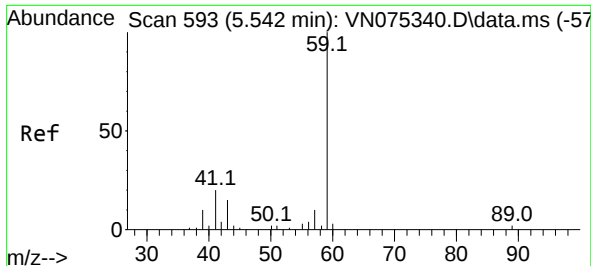
Tgt Ion:168 Resp: 144692
Ion Ratio Lower Upper
168 100
99 58.5 51.6 77.4



#6
Chloroethane
Concen: 0.417 ug/l
RT: 3.083 min Scan# 175
Delta R.T. -0.024 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

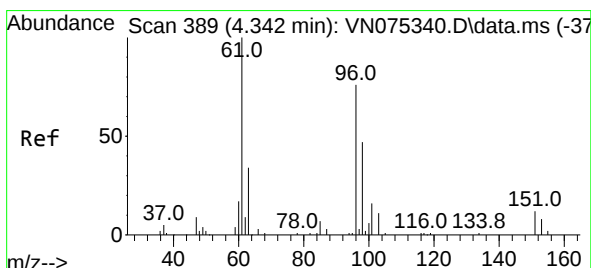
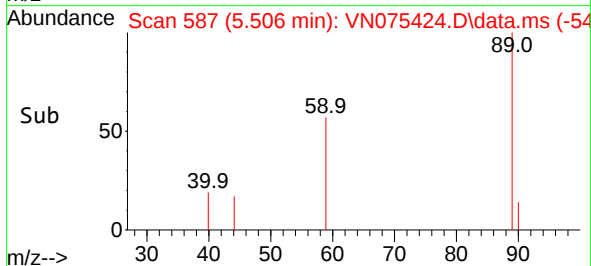
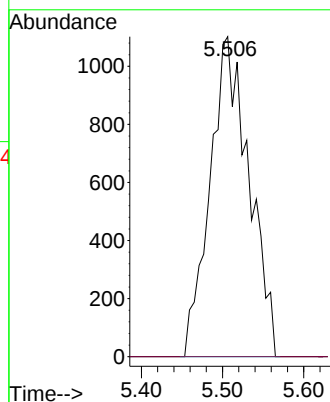
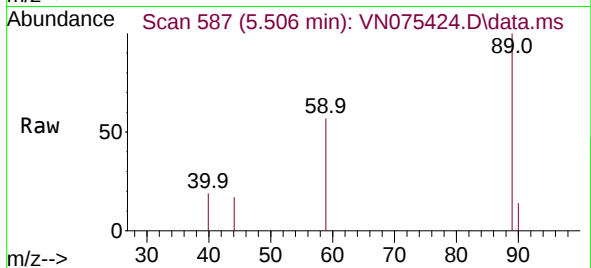




#11
Tert butyl alcohol
Concen: 11.305 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

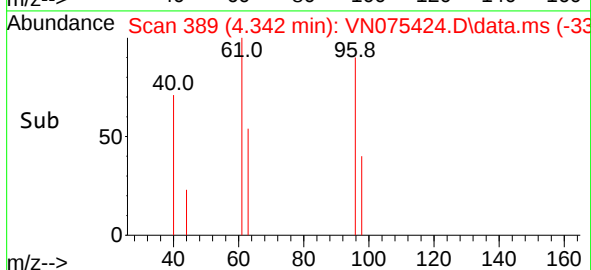
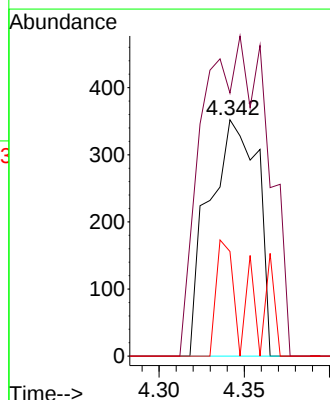
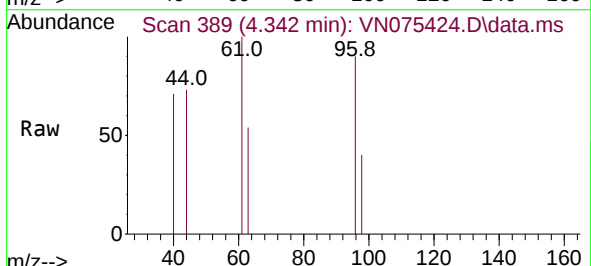
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20221117

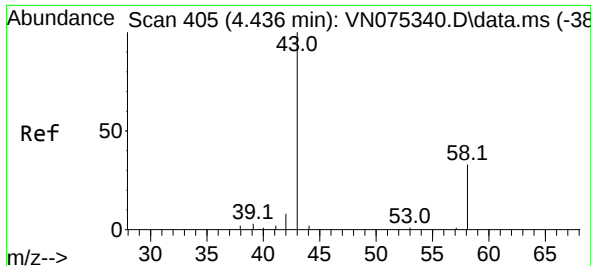
Tgt Ion: 59 Resp: 3686
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.524 ug/l
RT: 4.342 min Scan# 389
Delta R.T. -0.000 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

Tgt Ion: 96 Resp: 702
Ion Ratio Lower Upper
96 100
61 111.4 126.2 189.4#
98 44.3 51.5 77.3#





#16

Acetone

Concen: 1.190 ug/l

RT: 4.459 min Scan# 405

Delta R.T. 0.023 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

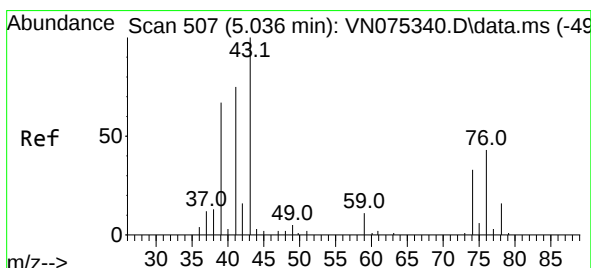
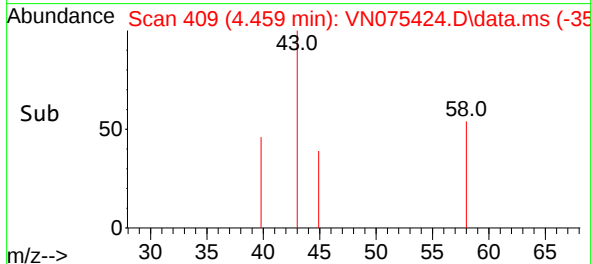
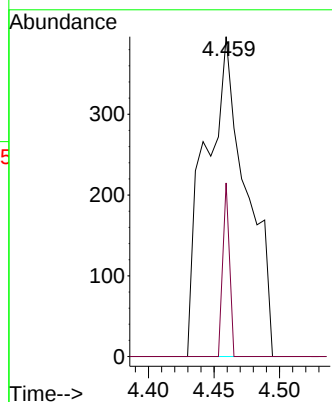
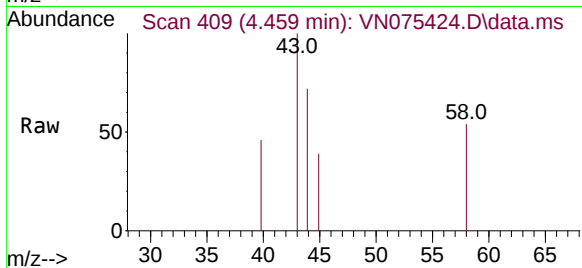
MW181S-20221117

Tgt Ion: 43 Resp: 862

Ion Ratio Lower Upper

43 100

58 54.3 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 507

Delta R.T. -0.000 min

Lab File: VN075424.D

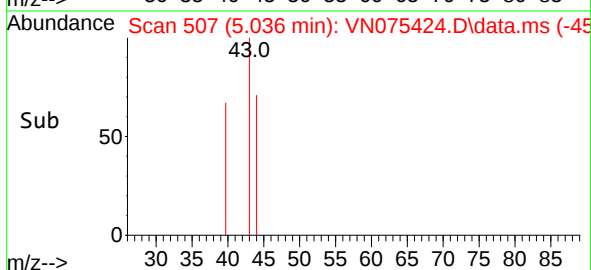
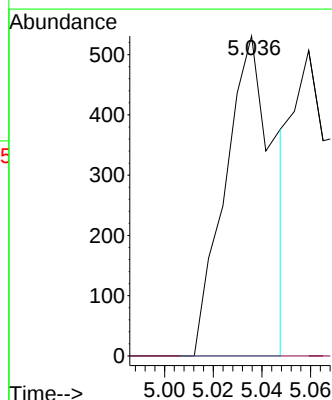
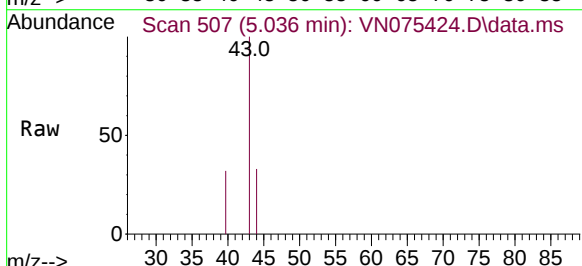
Acq: 25 Nov 2022 16:30

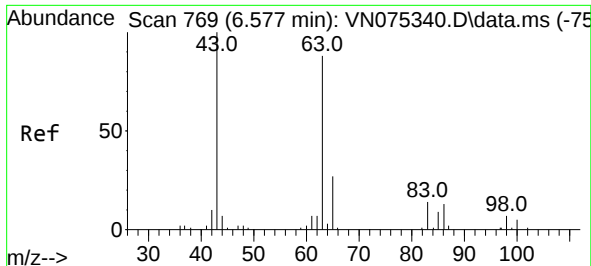
Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

74 0.0 22.0 33.0#

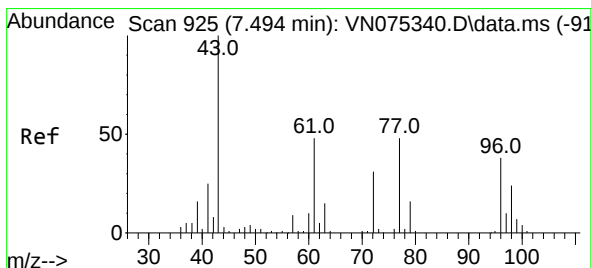
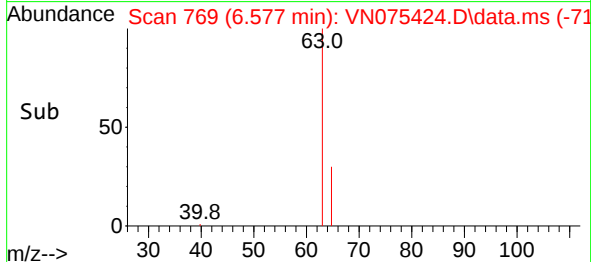
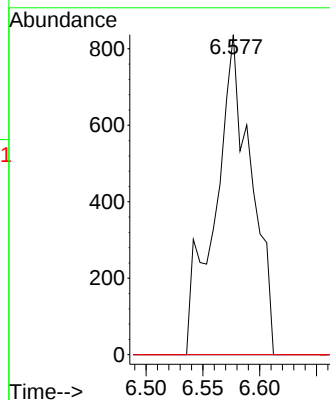
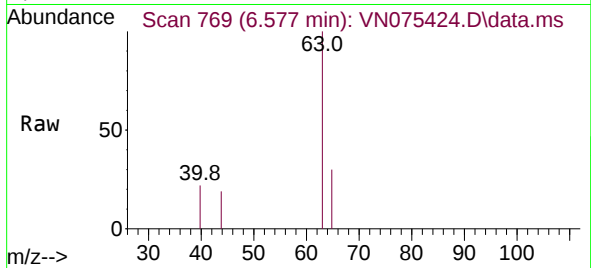




#24
 1,1-Dichloroethane
 Concen: 0.728 ug/l
 RT: 6.577 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VN075424.D
 Acq: 25 Nov 2022 16:30

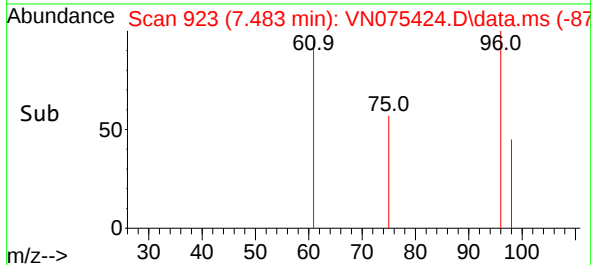
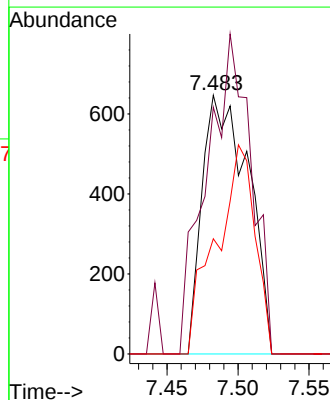
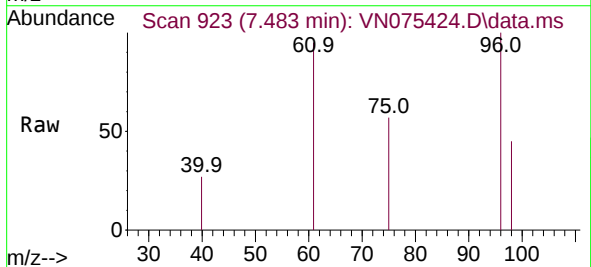
Instrument :
 MSVOA_N
 ClientSampleId :
 MW181S-20221117

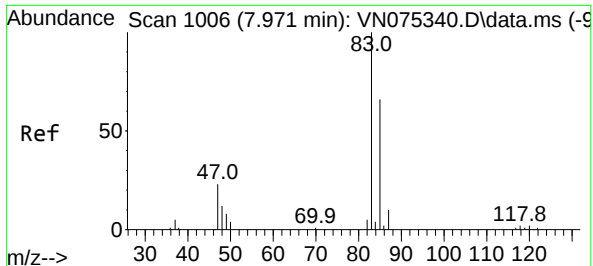
Tgt Ion: 63 Resp: 1848
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.4 7.2#



#27
 cis-1,2-Dichloroethene
 Concen: 0.844 ug/l
 RT: 7.483 min Scan# 923
 Delta R.T. -0.011 min
 Lab File: VN075424.D
 Acq: 25 Nov 2022 16:30

Tgt Ion: 96 Resp: 1458
 Ion Ratio Lower Upper
 96 100
 61 119.7 0.0 278.8
 98 68.7 0.0 128.4





#30

Chloroform

Concen: 0.549 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

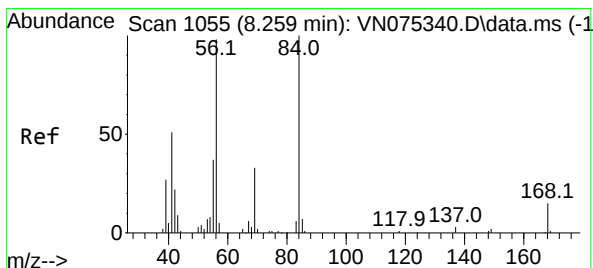
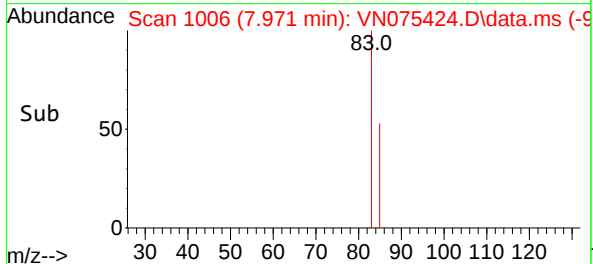
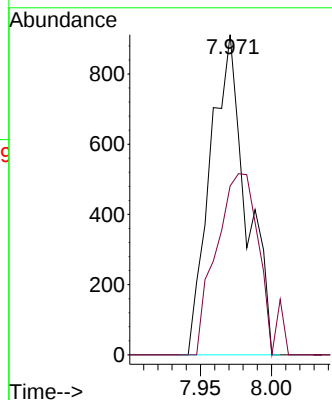
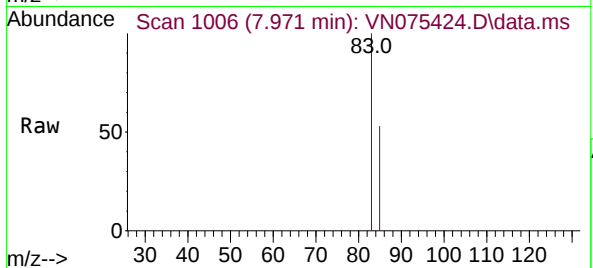
MW181S-20221117

Tgt Ion: 83 Resp: 1602

Ion Ratio Lower Upper

83 100

85 52.7 51.4 77.0



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

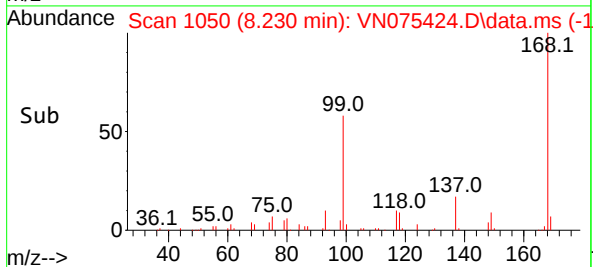
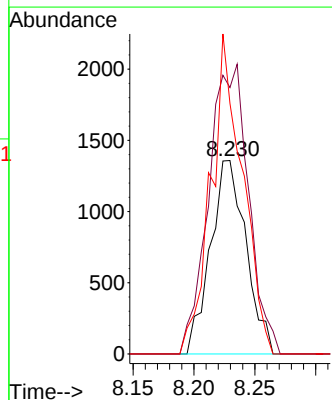
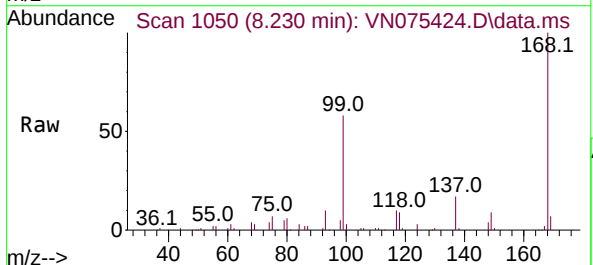
Tgt Ion: 56 Resp: 2754

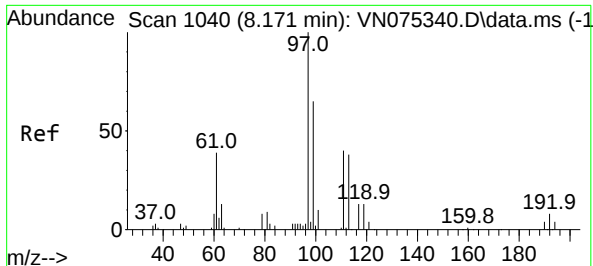
Ion Ratio Lower Upper

56 100

69 137.8 25.2 37.8#

84 129.5 77.8 116.8#





#32

1,1,1-Trichloroethane

Concen: 0.321 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20221117

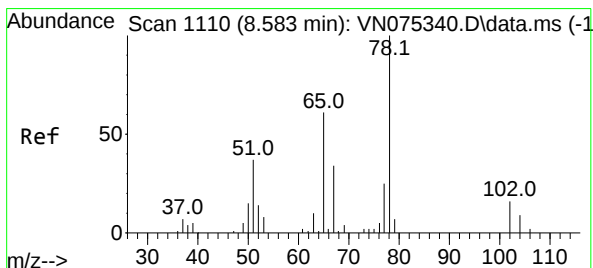
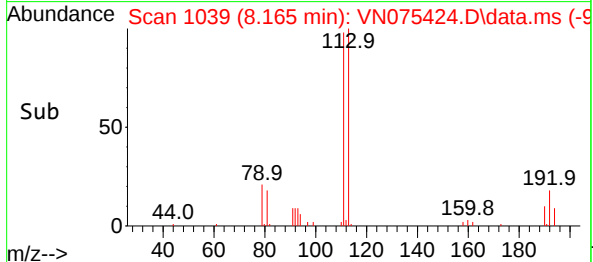
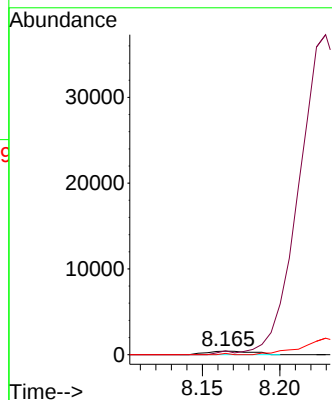
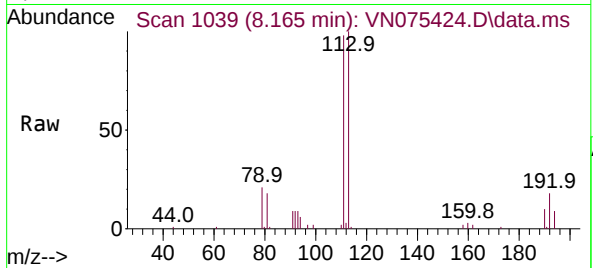
Tgt Ion: 97 Resp: 849

Ion Ratio Lower Upper

97 100

99 0.0 50.2 75.2#

61 0.0 37.0 55.6#



#33

1,2-Dichloroethane-d4

Concen: 54.067 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075424.D

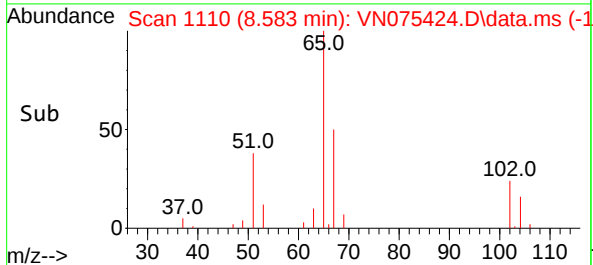
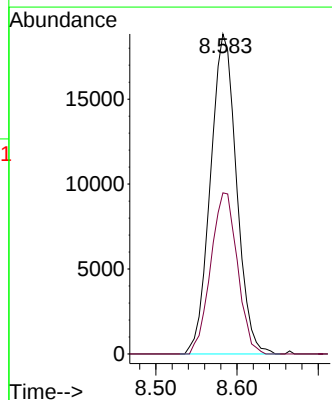
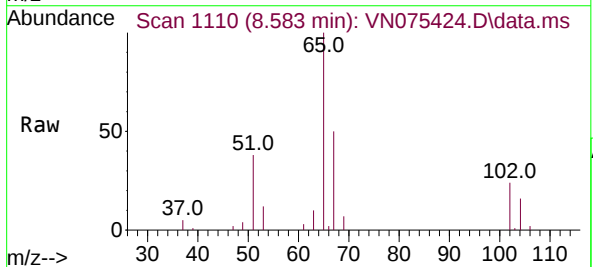
Acq: 25 Nov 2022 16:30

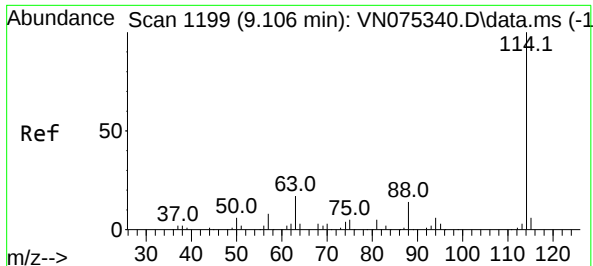
Tgt Ion: 65 Resp: 41993

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075424.D

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MW181S-20221117

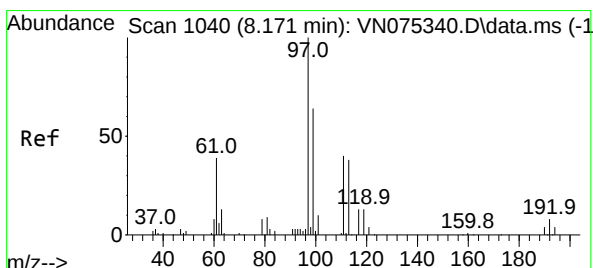
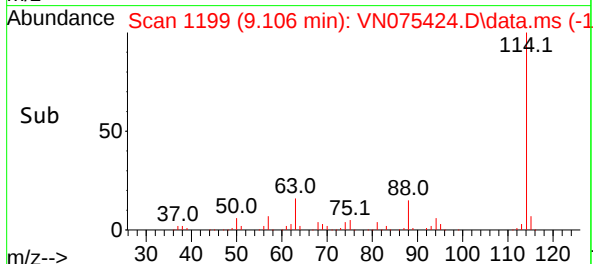
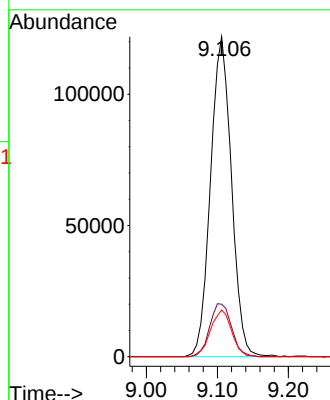
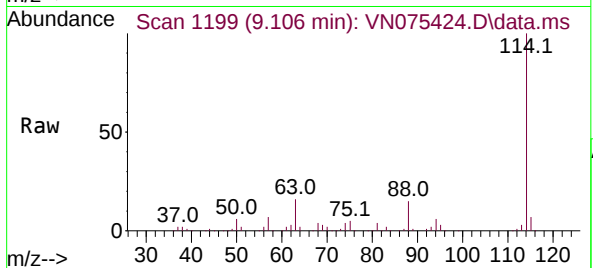
Tgt Ion:114 Resp: 249247

Ion Ratio Lower Upper

114 100

63 16.4 0.0 39.6

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.421 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

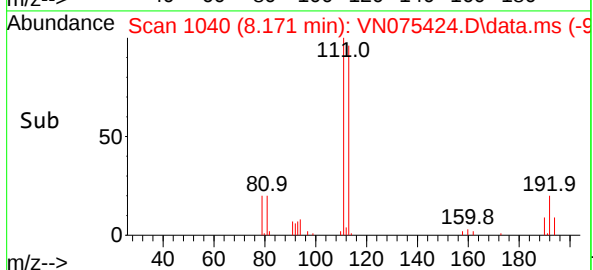
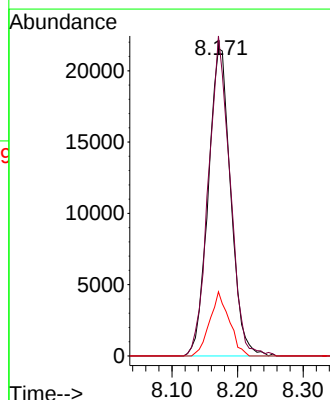
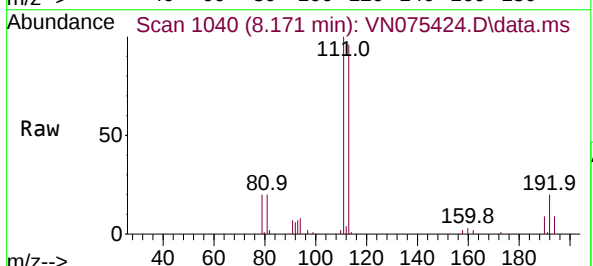
Tgt Ion:113 Resp: 51327

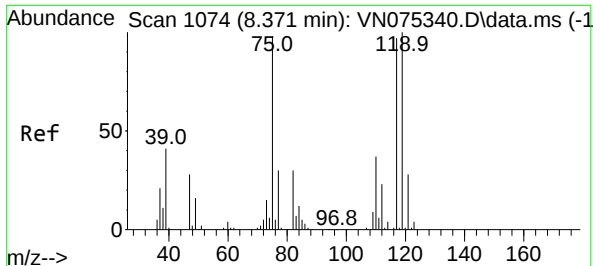
Ion Ratio Lower Upper

113 100

111 100.2 80.5 120.7

192 18.1 13.2 19.8

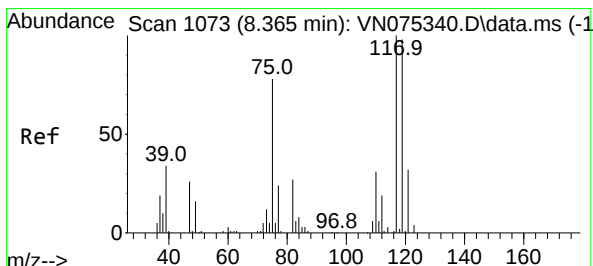
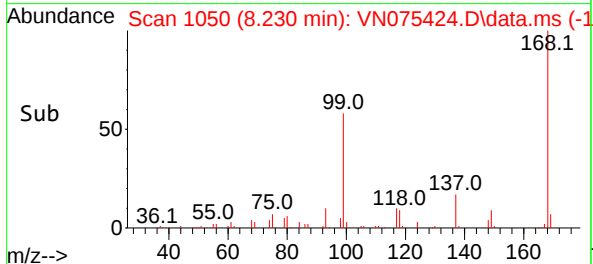
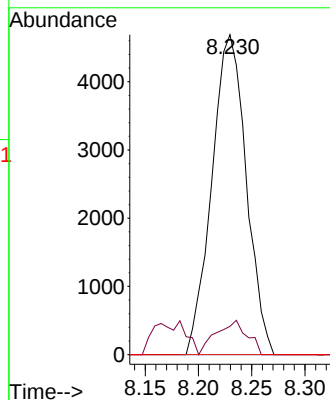
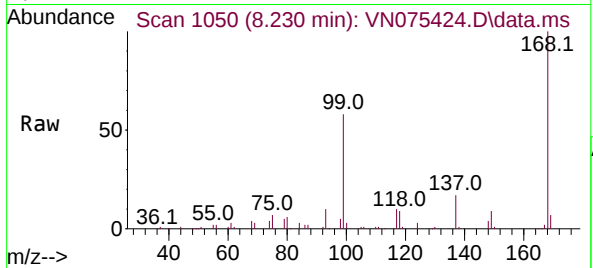




#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

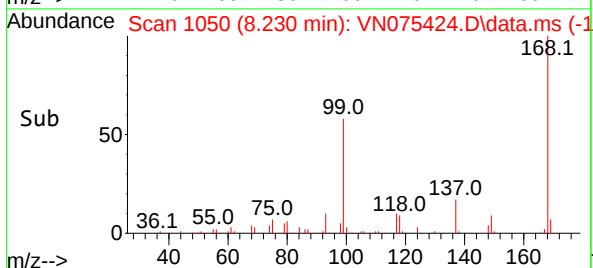
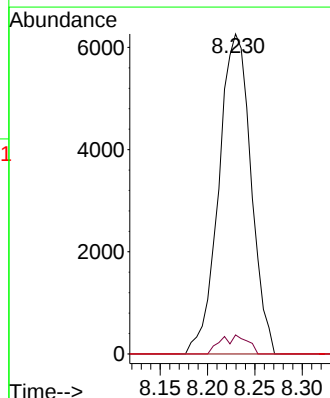
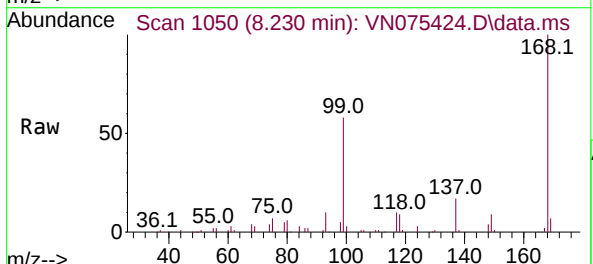
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20221117

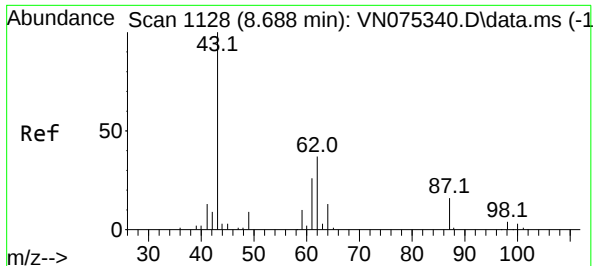
Tgt Ion: 75 Resp: 10545
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.3#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

Tgt Ion: 117 Resp: 14796
Ion Ratio Lower Upper
117 100
119 6.0 76.7 115.1#
121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.463 ug/l

RT: 8.788 min Scan# 1145

Delta R.T. 0.100 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20221117

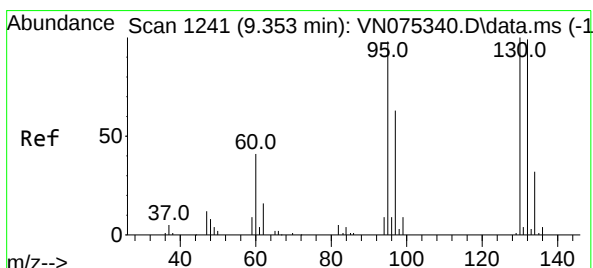
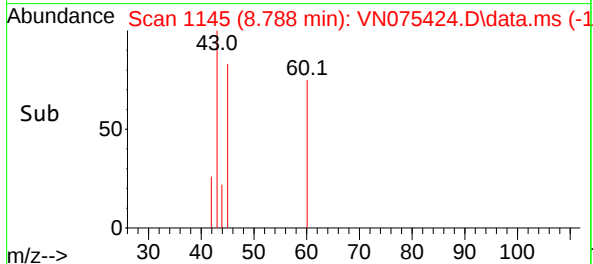
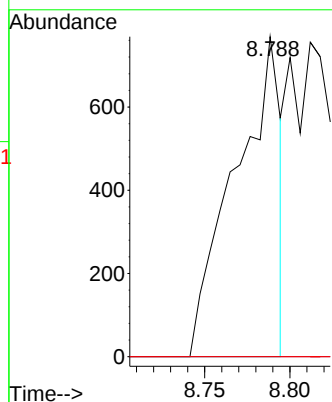
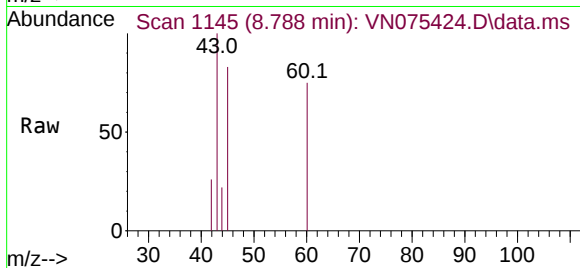
Tgt Ion: 43 Resp: 1430

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#44

Trichloroethene

Concen: 1.407 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.006 min

Lab File: VN075424.D

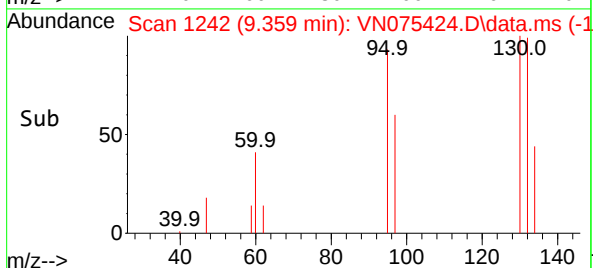
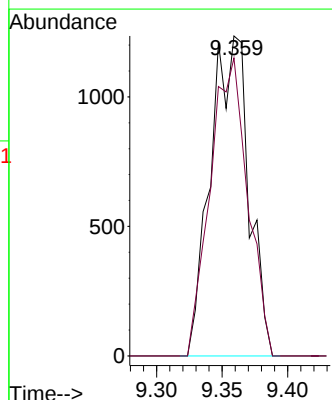
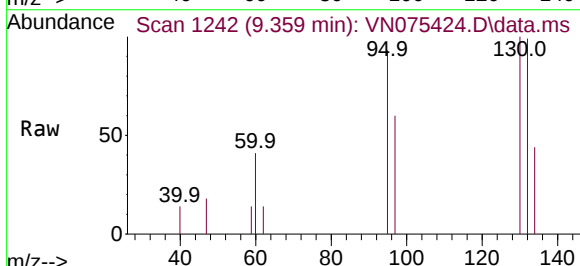
Acq: 25 Nov 2022 16:30

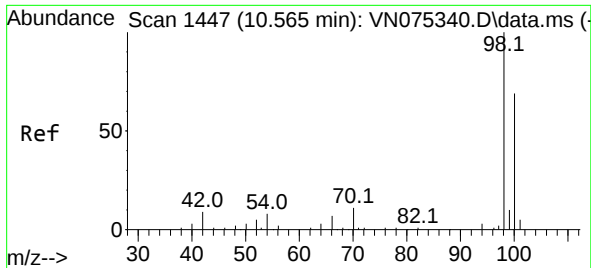
Tgt Ion: 130 Resp: 2517

Ion Ratio Lower Upper

130 100

95 93.1 0.0 198.4

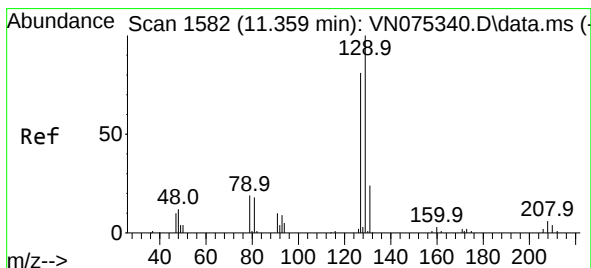
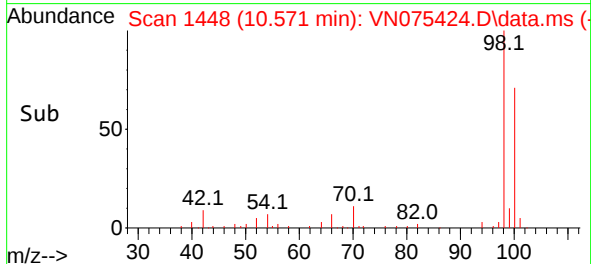
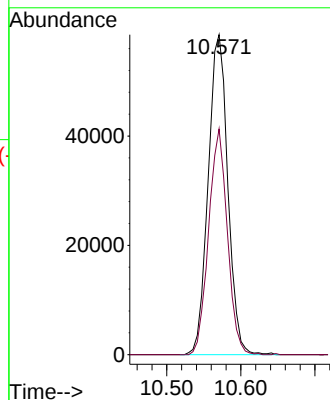
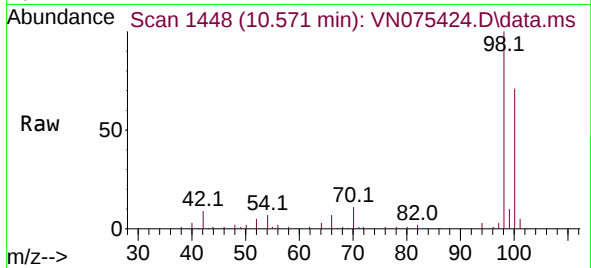




#50
Toluene-d8
Concen: 48.796 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

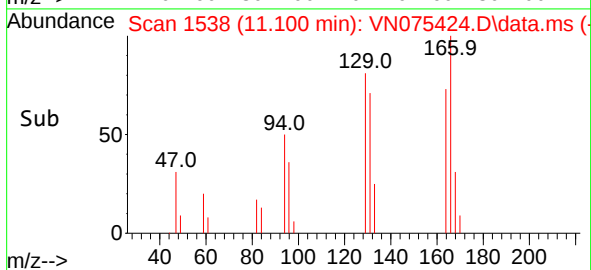
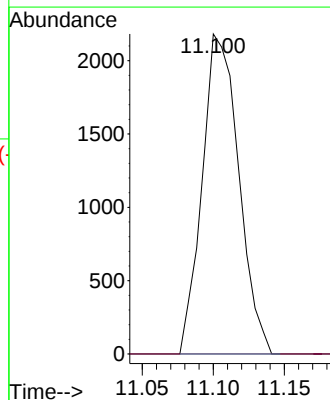
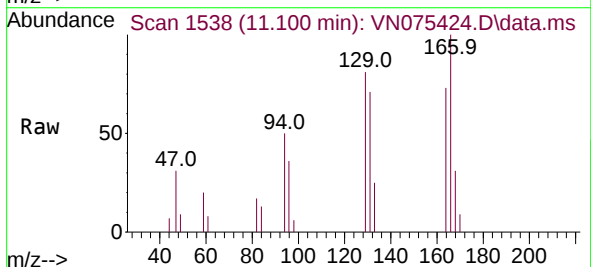
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20221117

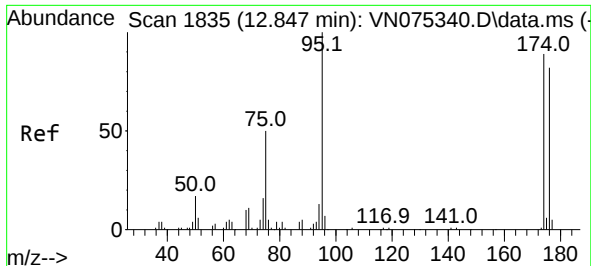
Tgt Ion: 98 Resp: 107609
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



#60
Dibromochloromethane
Concen: 2.220 ug/l
RT: 11.100 min Scan# 1538
Delta R.T. -0.259 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

Tgt Ion: 129 Resp: 3910
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 45.868 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

MW181S-20221117

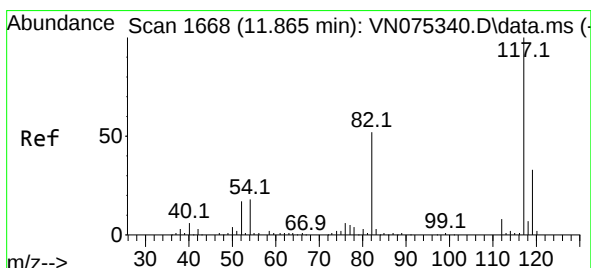
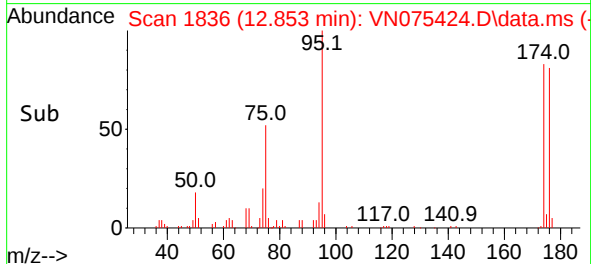
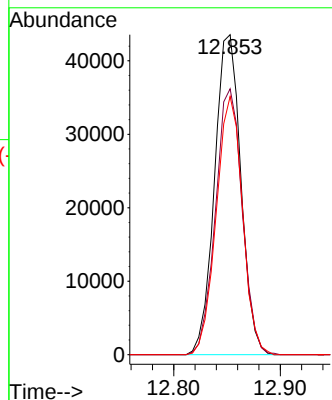
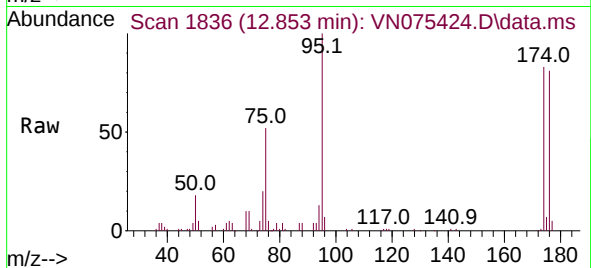
Tgt Ion: 95 Resp: 74660

Ion Ratio Lower Upper

95 100

174 84.2 0.0 147.4

176 80.3 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

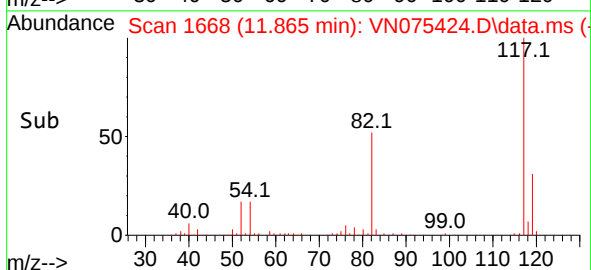
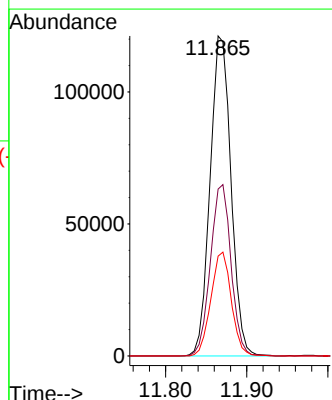
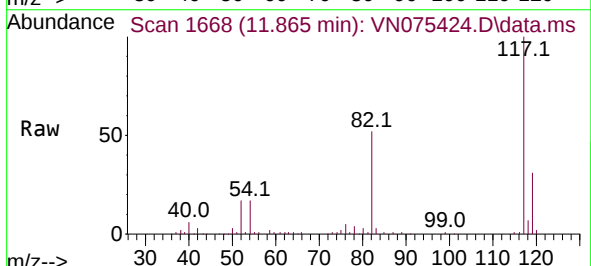
Tgt Ion: 117 Resp: 216626

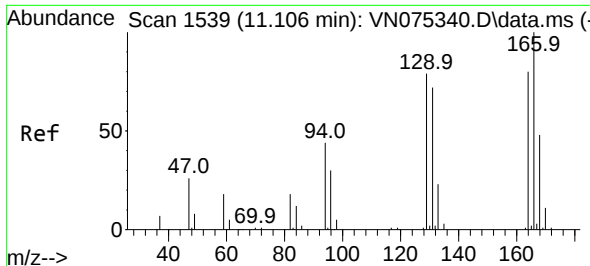
Ion Ratio Lower Upper

117 100

82 52.2 43.1 64.7

119 31.2 25.5 38.3

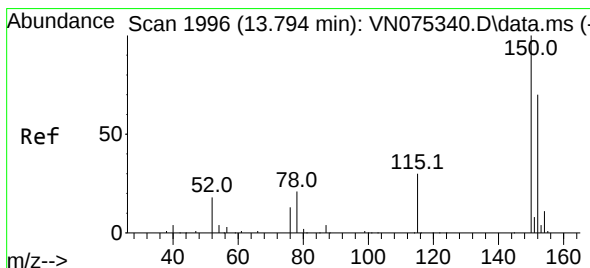
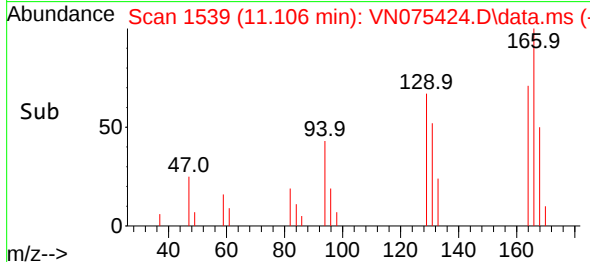
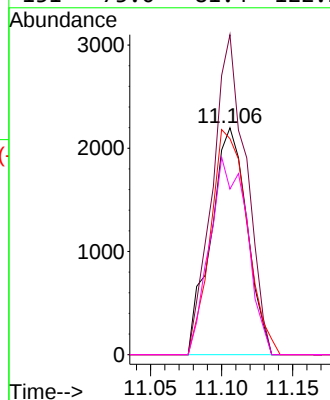
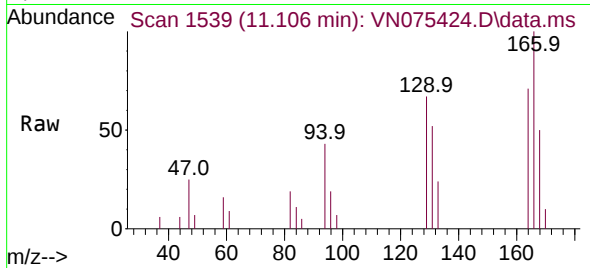




#64
Tetrachloroethene
Concen: 2.356 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

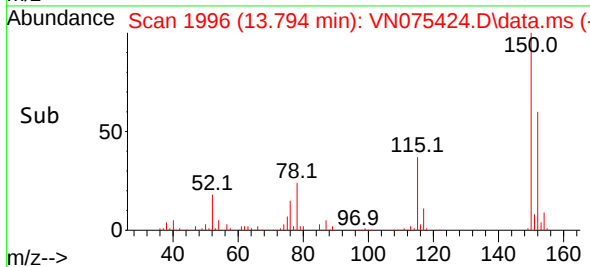
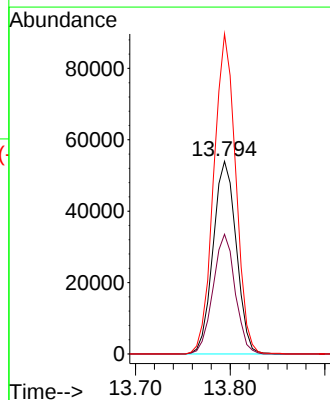
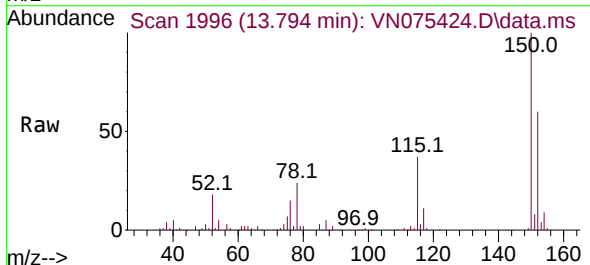
Instrument :
MSVOA_N
ClientSampleId :
MW181S-20221117

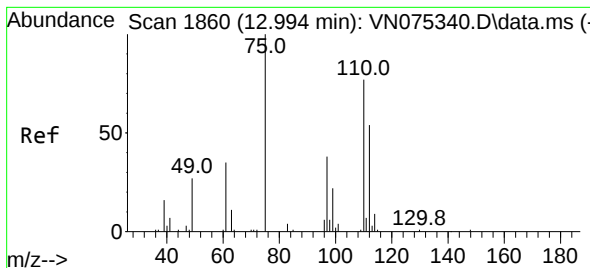
Tgt Ion:164 Resp: 3898
Ion Ratio Lower Upper
164 100
166 141.1 106.5 159.7
129 95.2 81.9 122.9
131 73.0 81.4 122.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075424.D
Acq: 25 Nov 2022 16:30

Tgt Ion:152 Resp: 91631
Ion Ratio Lower Upper
152 100
115 59.3 30.2 90.6
150 158.1 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 21.850 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

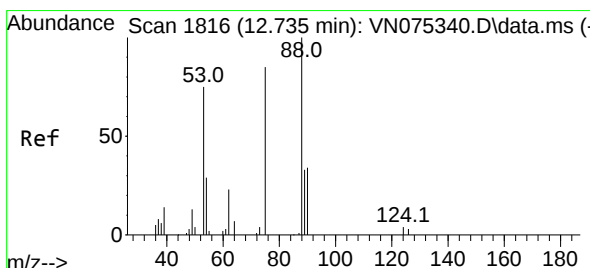
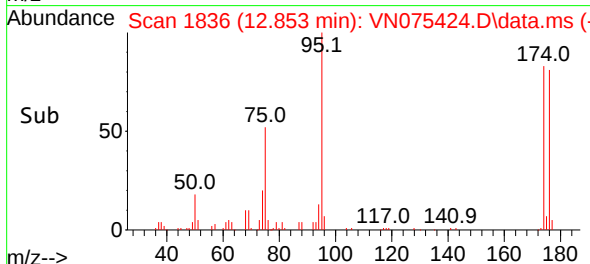
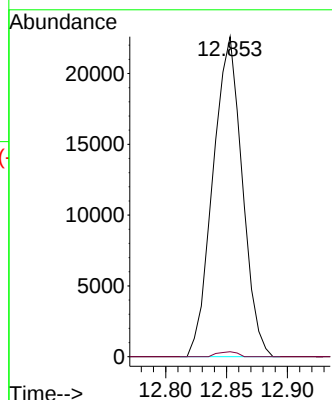
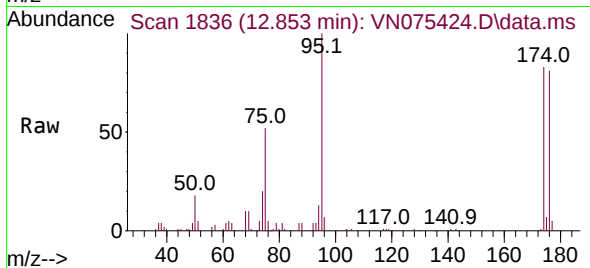
MW181S-20221117

Tgt Ion: 75 Resp: 37856

Ion Ratio Lower Upper

75 100

77 1.1 75.6 226.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.651 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN075424.D

Acq: 25 Nov 2022 16:30

Tgt Ion: 75 Resp: 37856

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.7 56.5#

