

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075652.D
 Acq On : 08 Dec 2022 16:56
 Operator : JC\MD
 Sample : N5879-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 09 02:09:52 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	164035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	226844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	46733	53.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.140%	
35) Dibromofluoromethane	8.177	113	60592	58.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.660%	
50) Toluene-d8	10.571	98	121171	52.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.853	95	87677	51.208	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.420%	

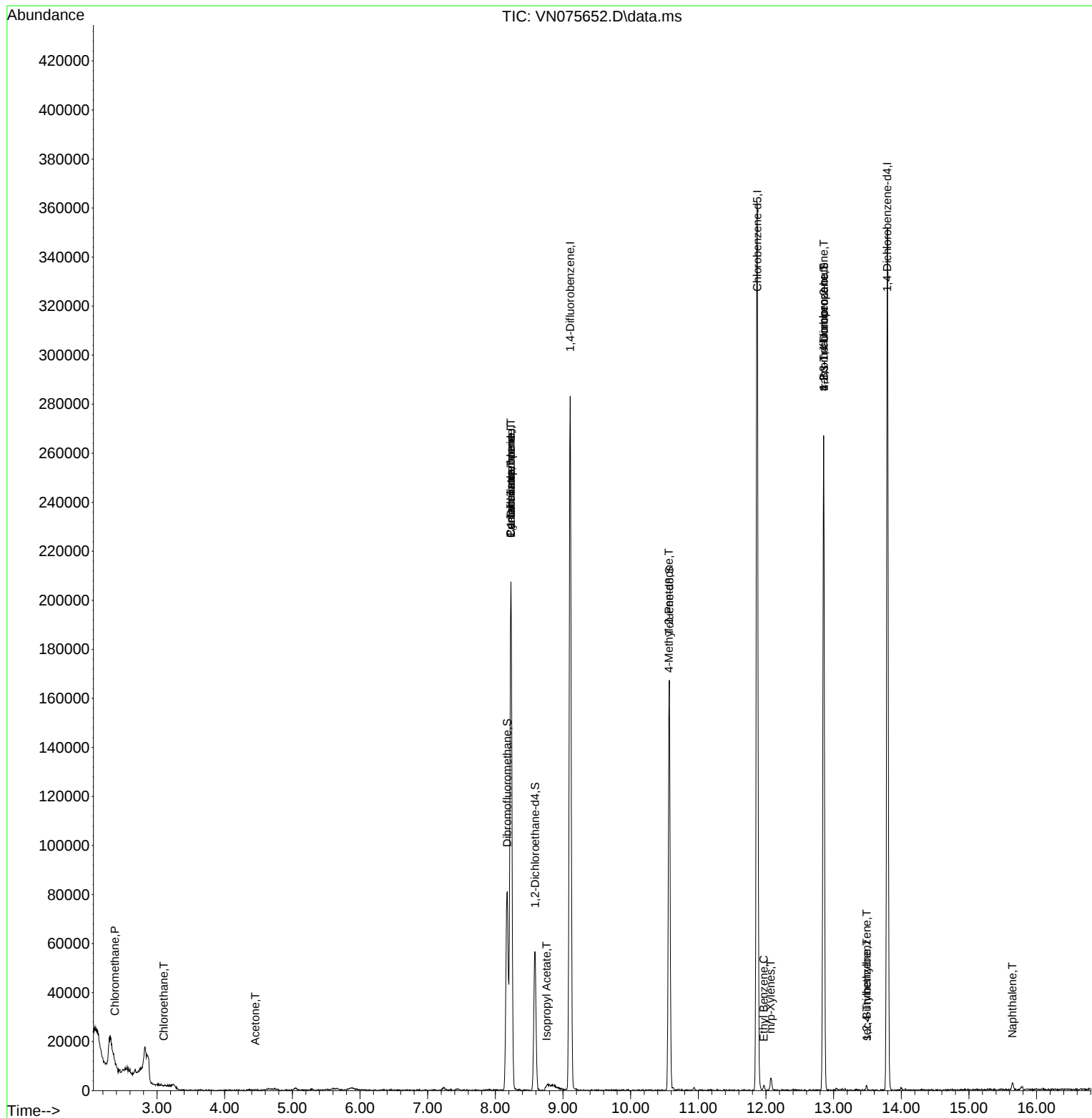
Target Compounds				Qvalue		
3) Chloromethane	2.377	50	560	0.359	ug/l #	42
6) Chloroethane	3.101	64	396	0.266	ug/l #	45
16) Acetone	4.454	43	698	0.850	ug/l #	79
18) Methyl Acetate	5.048	43	1760	Below Cal	#	86
20) Methylene Chloride	5.295	84	346	Below Cal	#	23
31) Cyclohexane	8.230	56	2850	1.019	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	11284	5.024	ug/l #	51
38) Carbon Tetrachloride	8.230	117	15410	6.246	ug/l #	18
43) Isopropyl Acetate	8.759	43	1420	0.437	ug/l #	53
51) 4-Methyl-2-Pentanone	10.565	43	455	0.220	ug/l #	1
67) Ethyl Benzene	11.965	91	1929	0.241	ug/l	97
68) m/p-Xylenes	12.071	106	1904	0.587	ug/l #	73
76) 1,2,3-Trichloropropane	12.853	75	43183	22.716	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43183	67.211	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.488	105	1750	0.286	ug/l	94
85) sec-Butylbenzene	13.488	105	1750	0.232	ug/l #	56
95) Naphthalene	15.641	128	4112	0.762	ug/l #	83

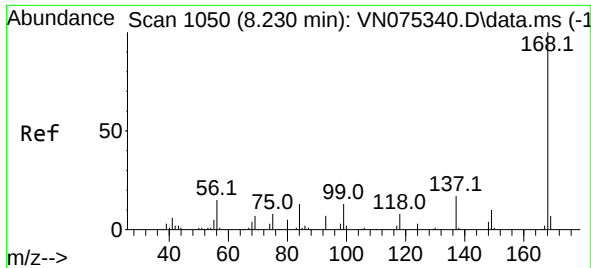
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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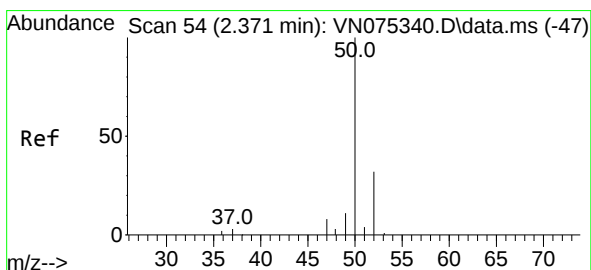
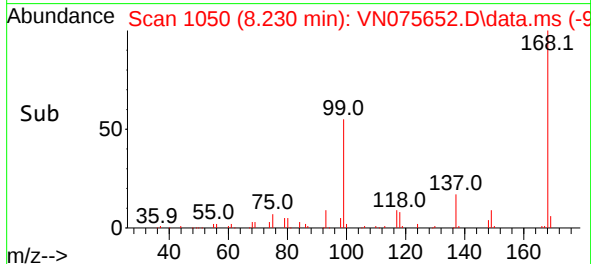
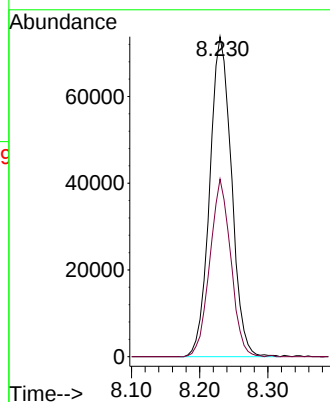
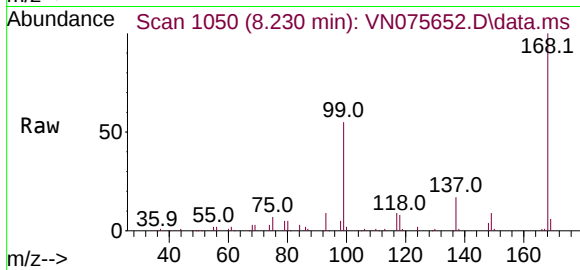




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

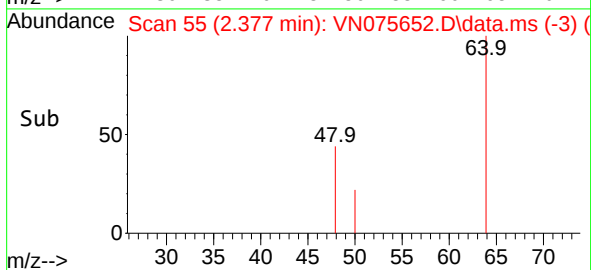
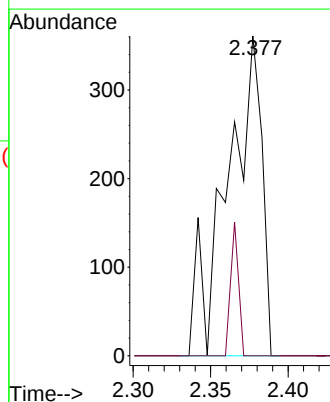
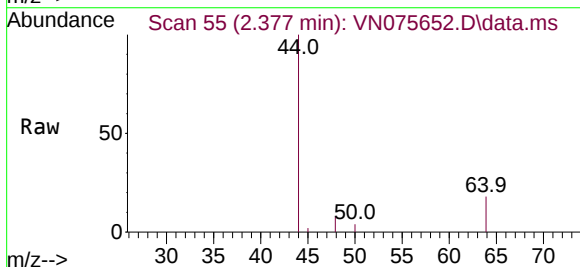
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

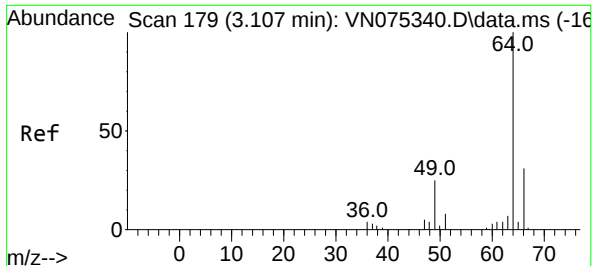
Tgt Ion:168 Resp: 164035
Ion Ratio Lower Upper
168 100
99 55.5 51.6 77.4



#3
Chloromethane
Concen: 0.359 ug/l
RT: 2.377 min Scan# 55
Delta R.T. 0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

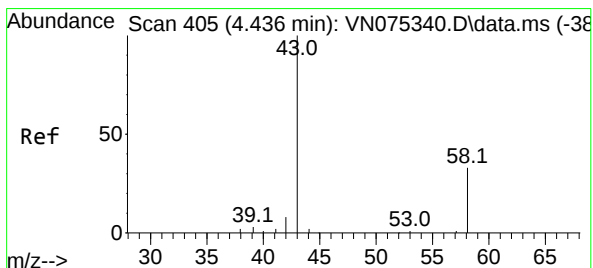
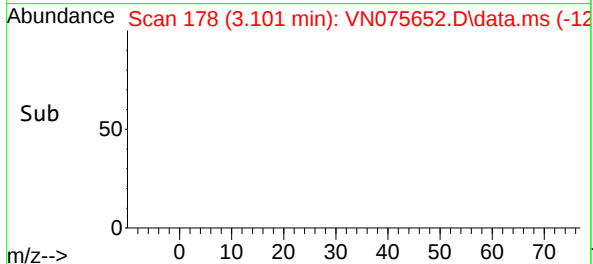
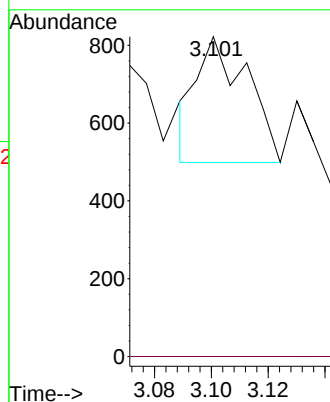
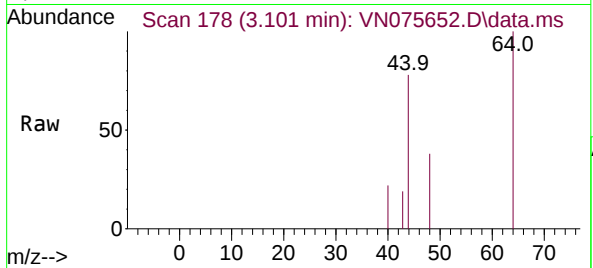




#6
Chloroethane
Concen: 0.266 ug/l
RT: 3.101 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

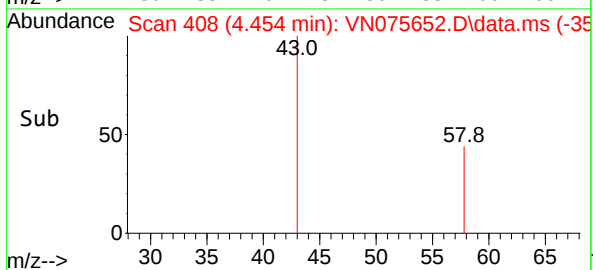
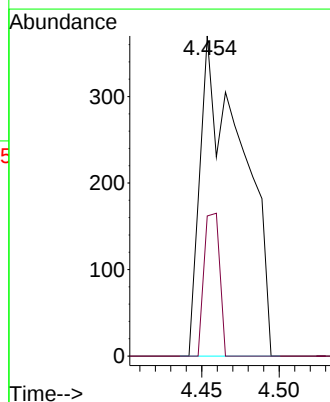
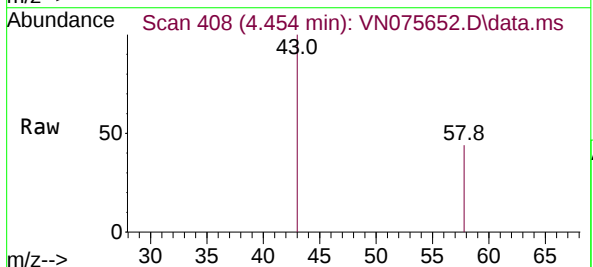
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

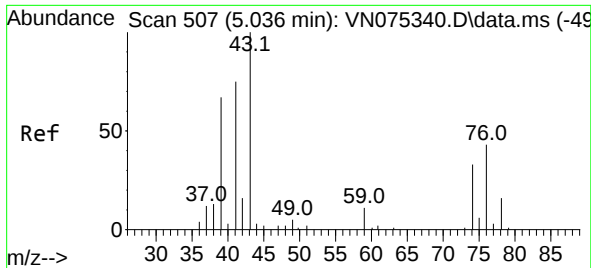
Tgt Ion: 64 Resp: 396
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#16
Acetone
Concen: 0.850 ug/l
RT: 4.454 min Scan# 408
Delta R.T. 0.018 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 43.8 25.5 38.3#

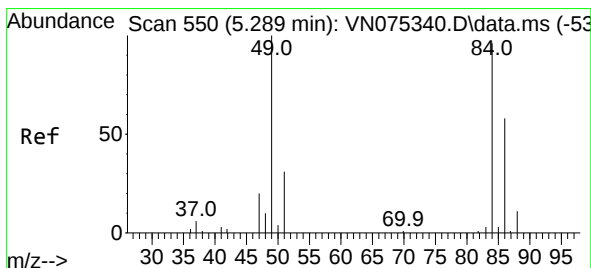
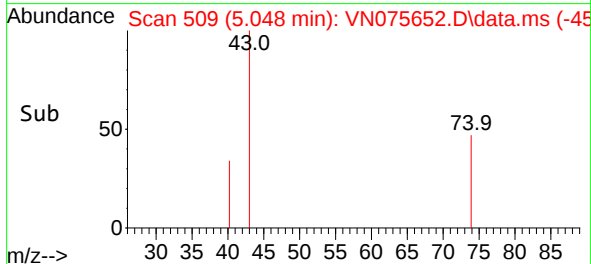
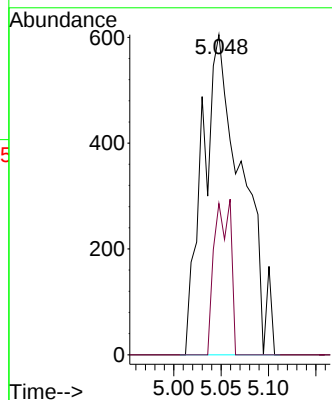
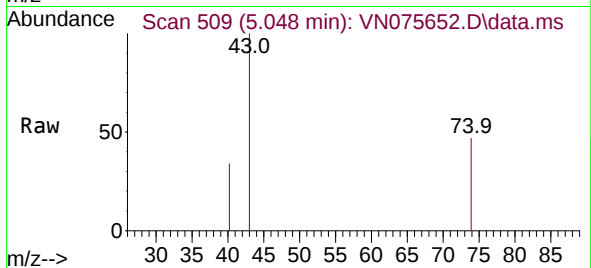




#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

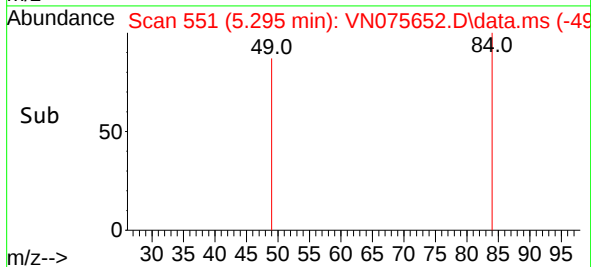
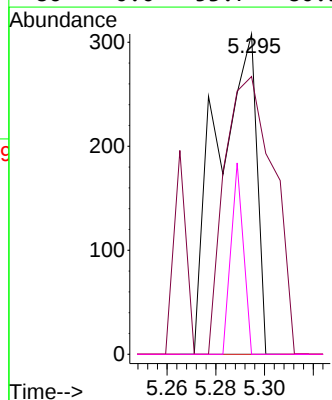
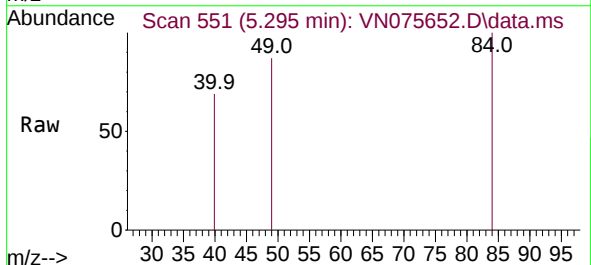
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

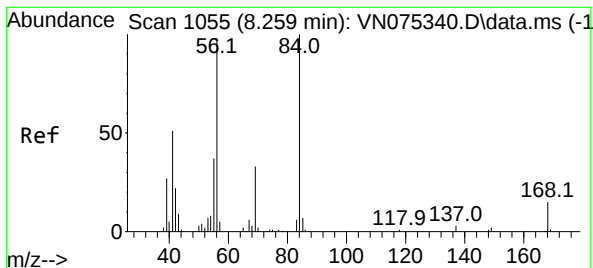
Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
74 20.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 84 Resp: 346
Ion Ratio Lower Upper
84 100
49 32.5 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#





#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.230 min Scan# 11050

Delta R.T. -0.029 min

Lab File: VN075652.D

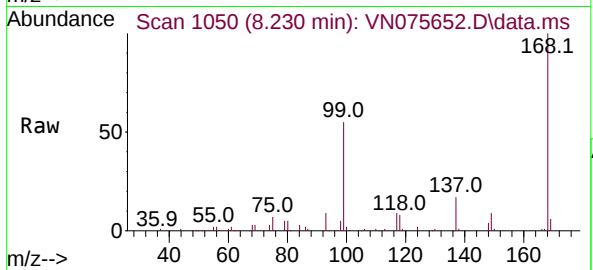
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Instrument :

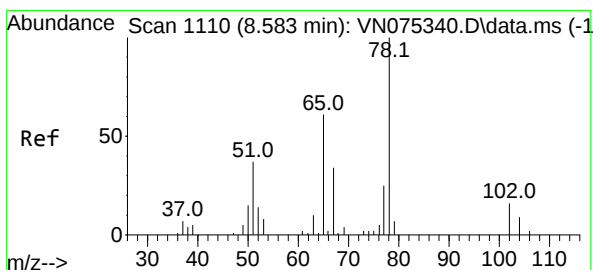
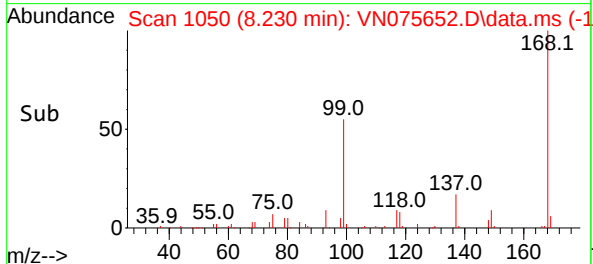
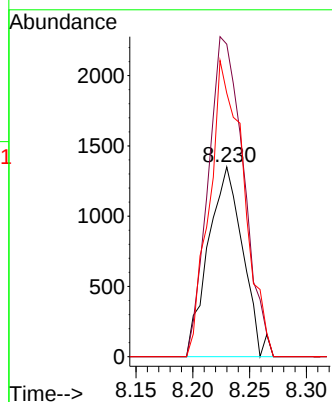
MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



Tgt Ion:	56	Resp:	2850
Ion Ratio	Lower	Upper	
56	100		
69	164.7	25.2	37.8#
84	138.9	77.8	116.8#



#33

1,2-Dichloroethane-d4

Concen: 53.075 ug/l

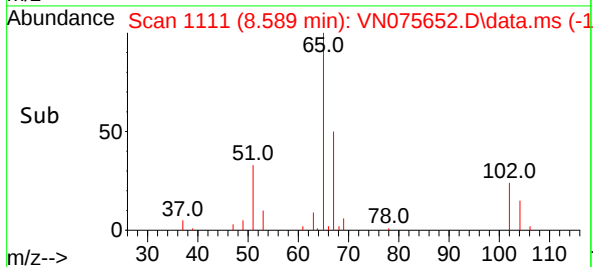
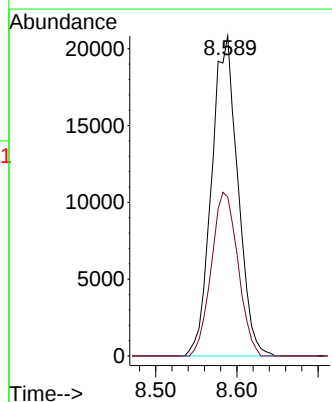
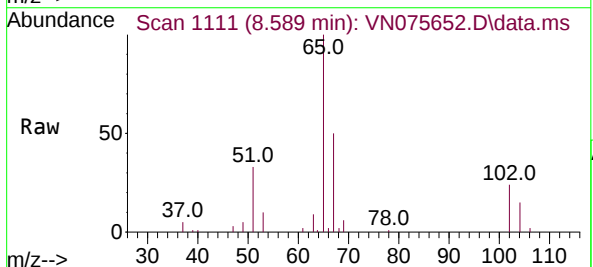
RT: 8.589 min Scan# 1111

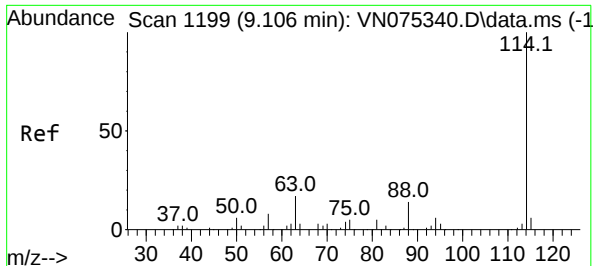
Delta R.T. 0.006 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

Tgt Ion:	65	Resp:	46733
Ion Ratio	Lower	Upper	
65	100		
67	52.0	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: VN075652.D

Acq: 08 Dec 2022 16:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

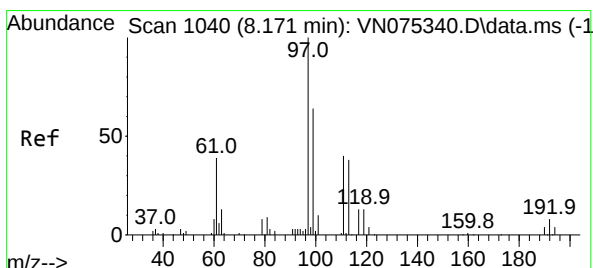
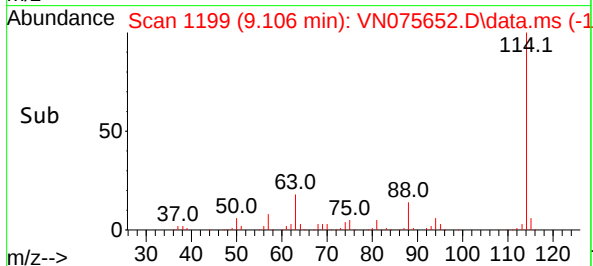
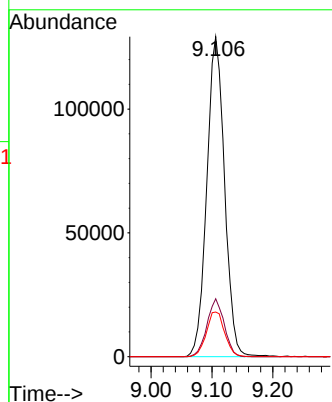
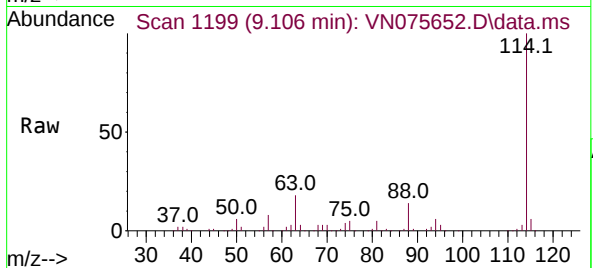
Tgt Ion:114 Resp: 262181

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 14.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 58.831 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

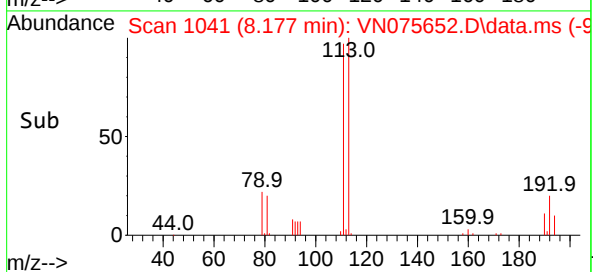
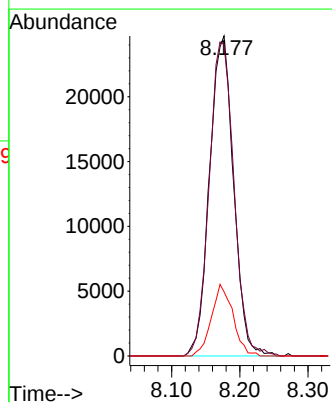
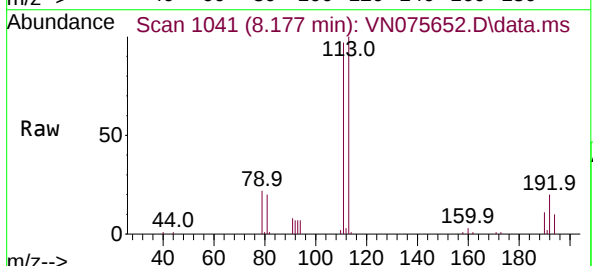
Tgt Ion:113 Resp: 60592

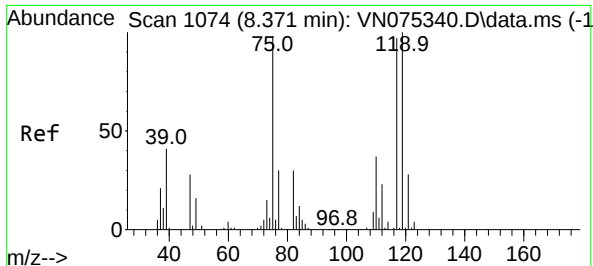
Ion Ratio Lower Upper

113 100

111 101.0 80.5 120.7

192 20.1 13.2 19.8#





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

Instrument :

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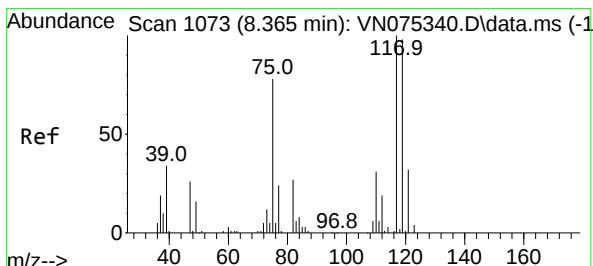
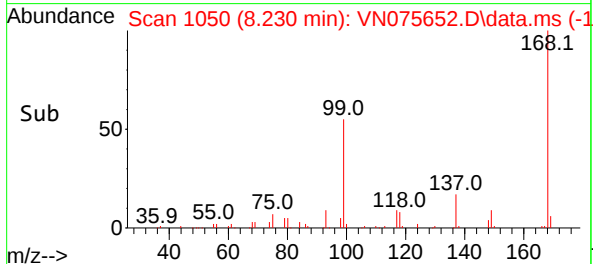
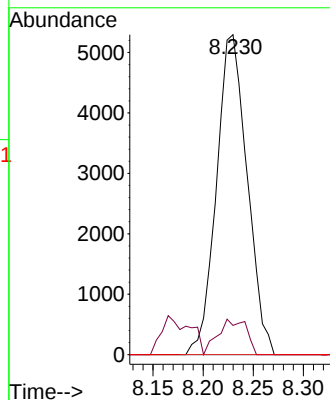
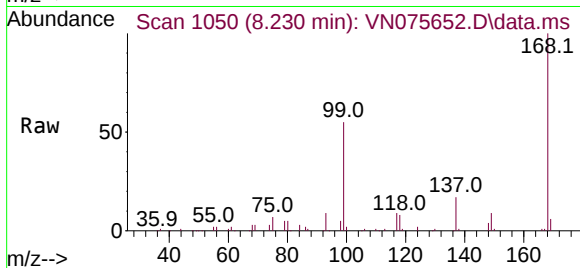
Tgt Ion: 75 Resp: 11284

Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.246 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

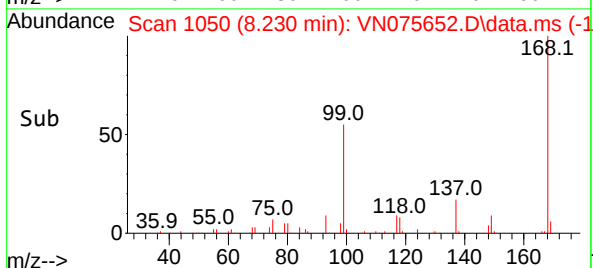
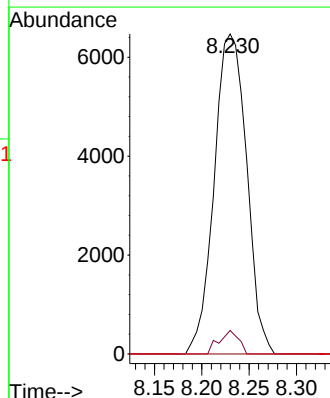
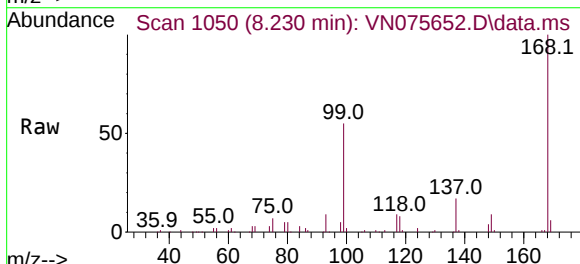
Tgt Ion: 117 Resp: 15410

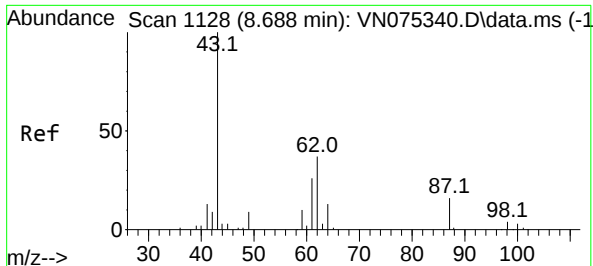
Ion Ratio Lower Upper

117 100

119 7.4 76.7 115.1#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.437 ug/l

RT: 8.759 min Scan# 1128

Delta R.T. 0.071 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

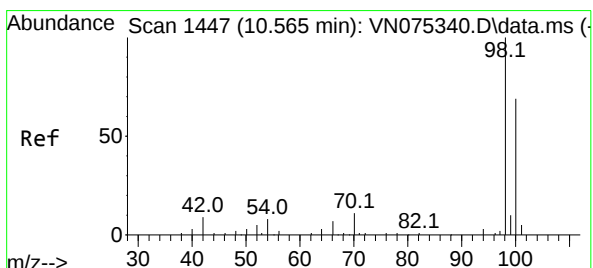
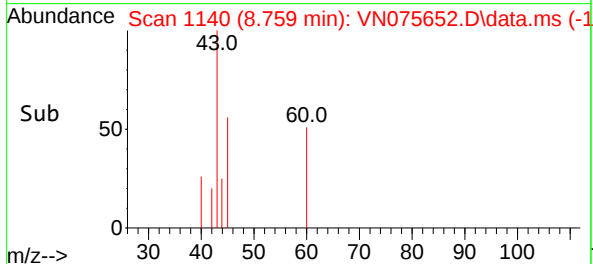
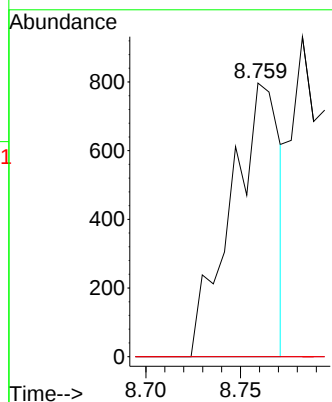
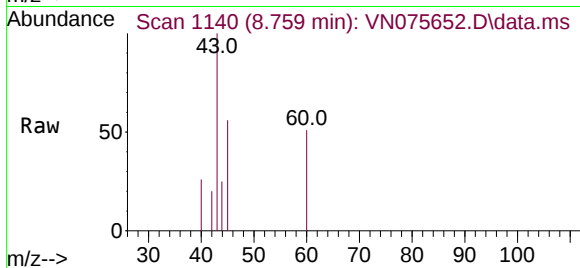
Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43	Resp:	1420
Ion	Ratio	Lower Upper
43	100	
61	0.0	22.4 33.6#
87	0.0	12.5 18.7#



#50

Toluene-d8

Concen: 52.236 ug/l

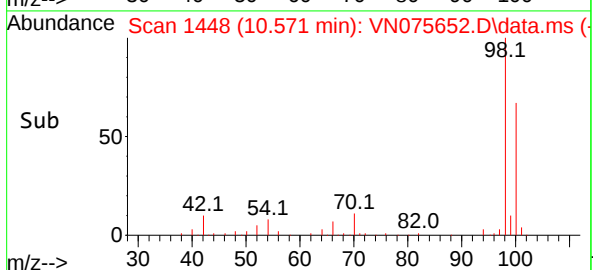
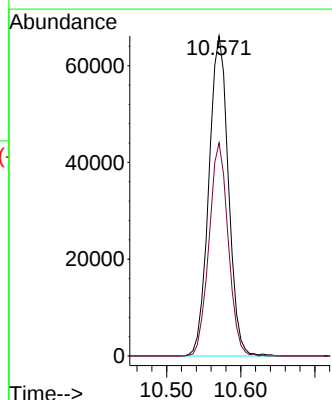
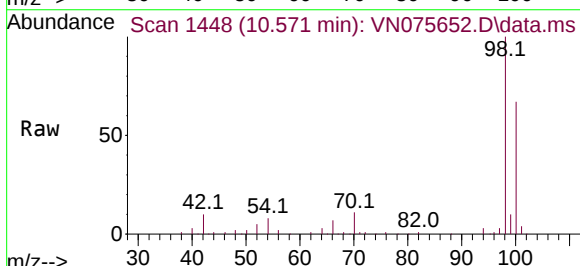
RT: 10.571 min Scan# 1448

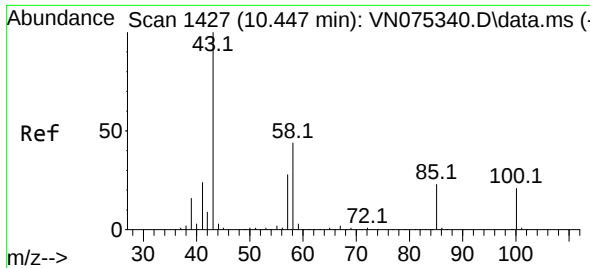
Delta R.T. 0.006 min

Lab File: VN075652.D

Acq: 08 Dec 2022 16:56

Tgt Ion: 98	Resp:	121171
Ion	Ratio	Lower Upper
98	100	
100	65.2	53.0 79.6

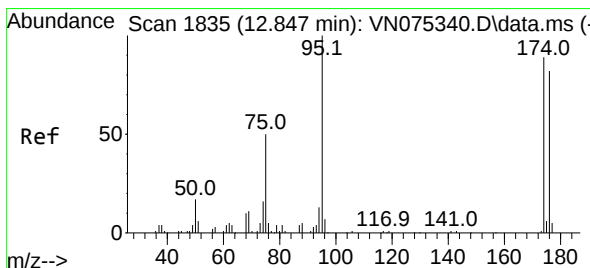
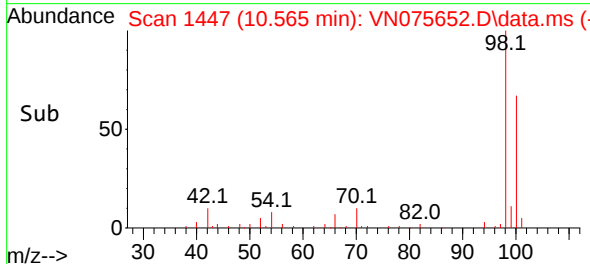
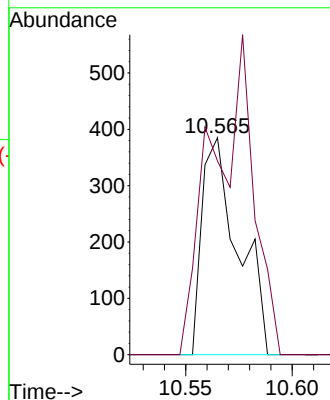
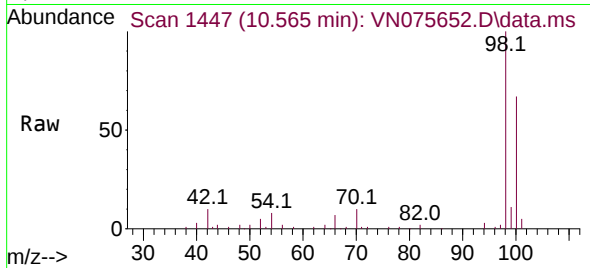




#51
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 10.565 min Scan# 1427
Delta R.T. 0.118 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

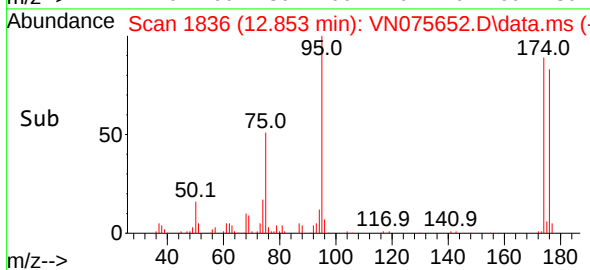
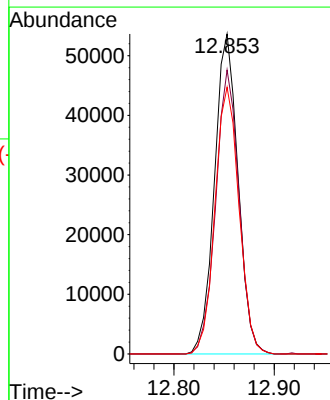
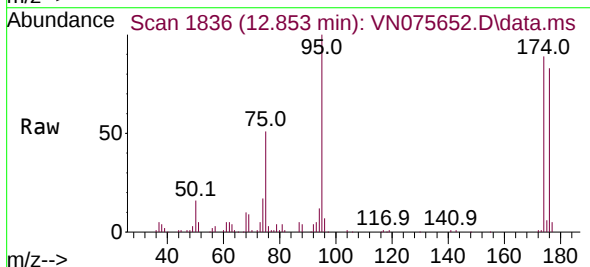
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

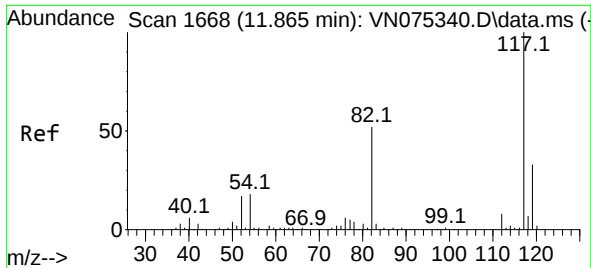
Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 167.3 33.6 50.4#



#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 95 Resp: 87677
Ion Ratio Lower Upper
95 100
174 87.4 0.0 147.4
176 85.0 0.0 142.2

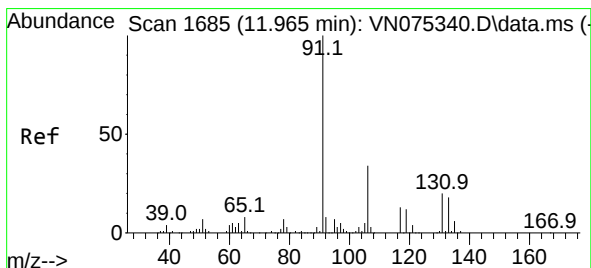
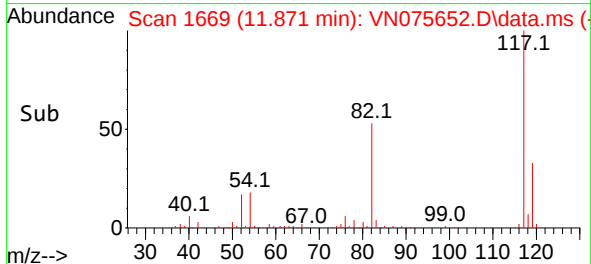
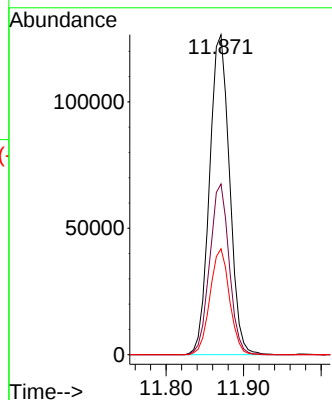
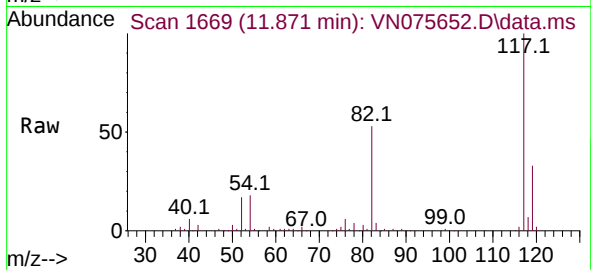




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

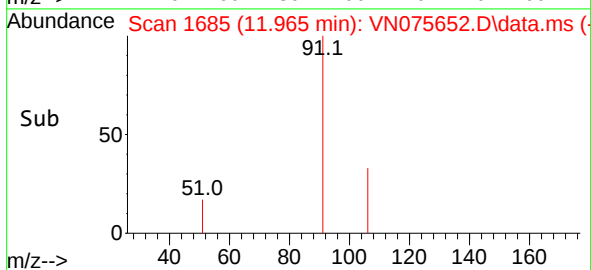
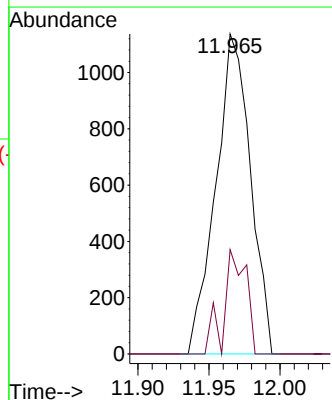
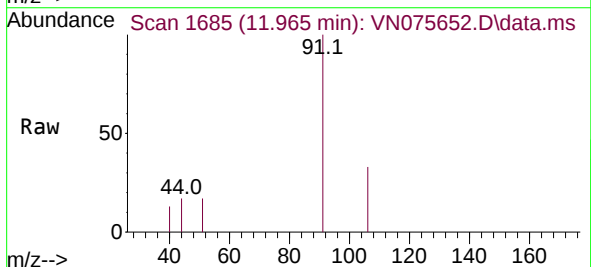
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

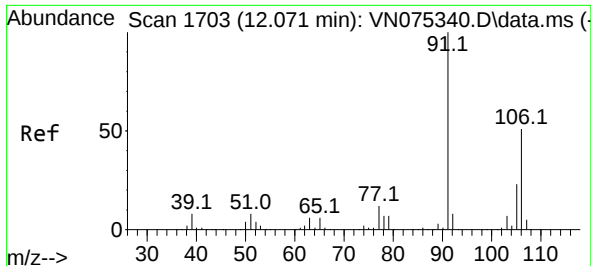
Tgt Ion:117 Resp: 226844
Ion Ratio Lower Upper
117 100
82 53.4 43.1 64.7
119 33.1 25.5 38.3



#67
Ethyl Benzene
Concen: 0.241 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 91 Resp: 1929
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3

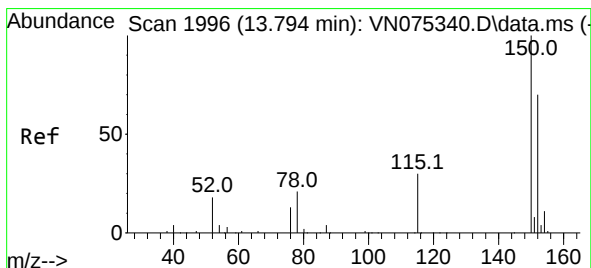
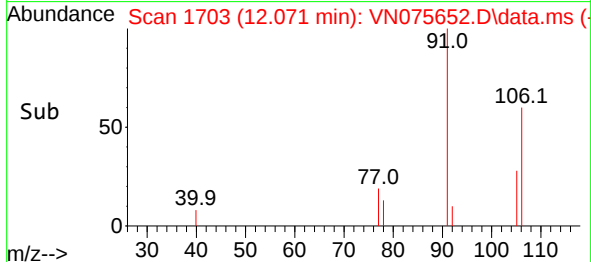
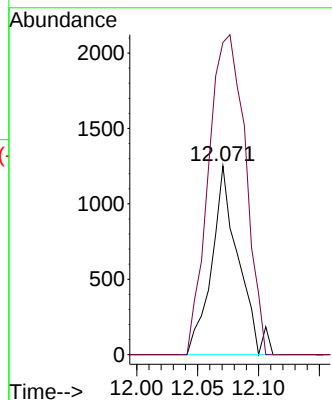
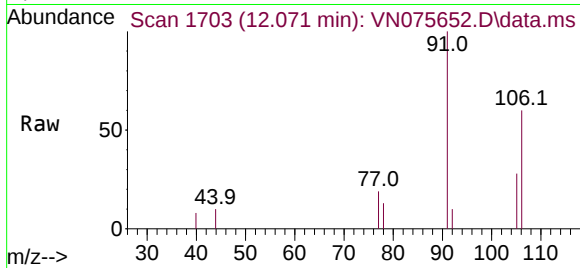




#68
m/p-Xylenes
Concen: 0.587 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

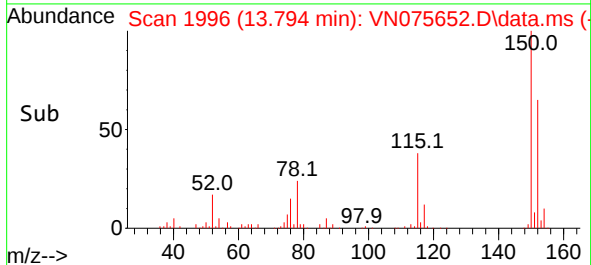
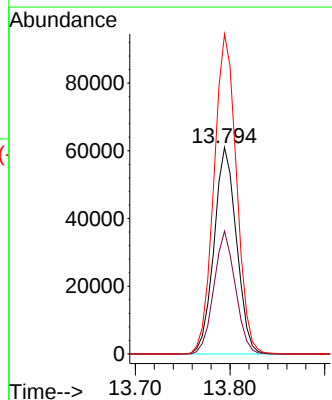
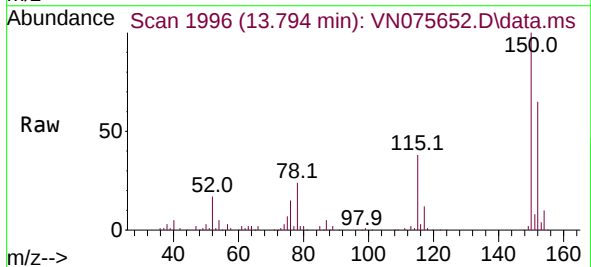
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

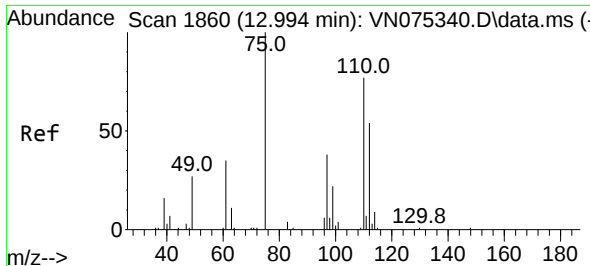
Tgt Ion:106 Resp: 1904
Ion Ratio Lower Upper
106 100
91 234.8 156.0 234.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion:152 Resp: 100543
Ion Ratio Lower Upper
152 100
115 56.8 30.2 90.6
150 155.6 0.0 348.4

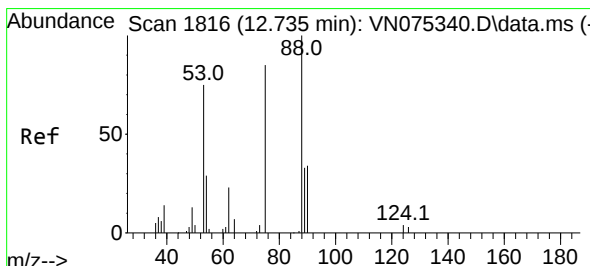
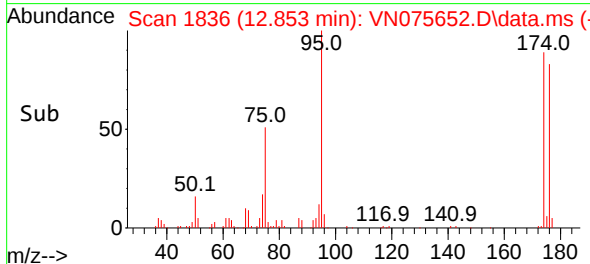
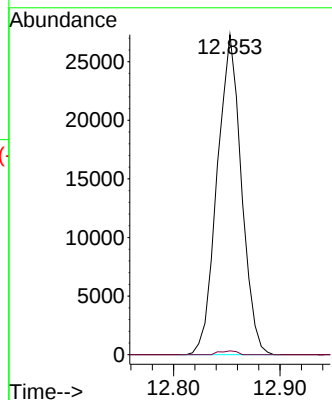
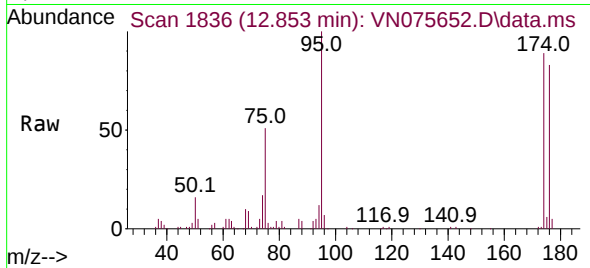




#76
1,2,3-Trichloropropane
Concen: 22.716 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

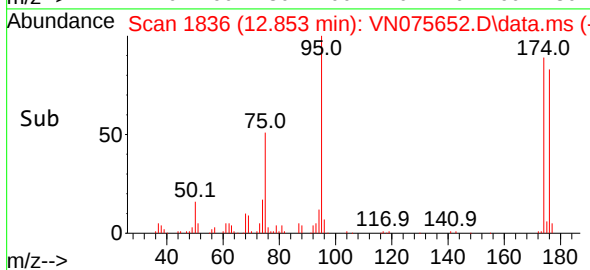
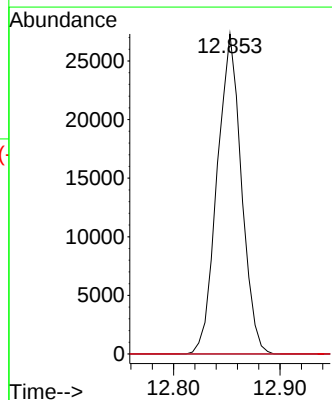
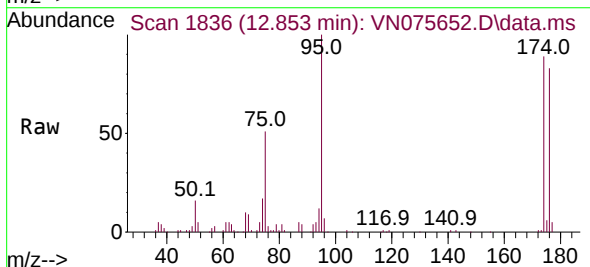
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-4

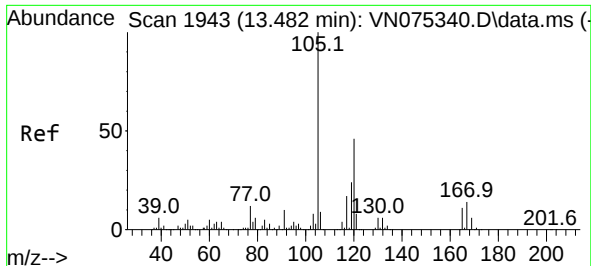
Tgt Ion: 75 Resp: 43183
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.211 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Tgt Ion: 75 Resp: 43183
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

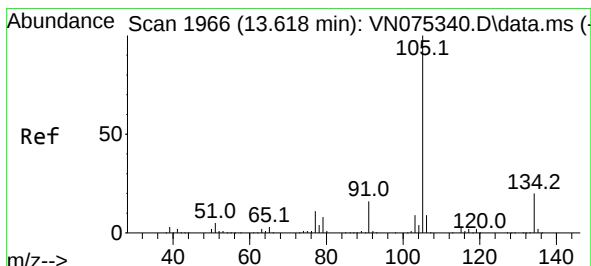
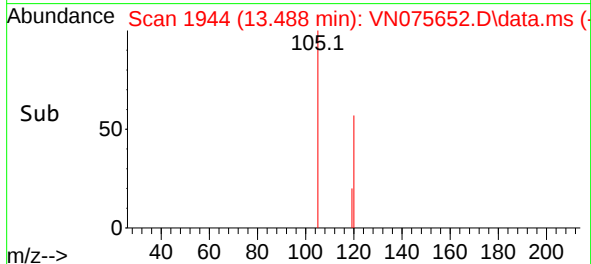
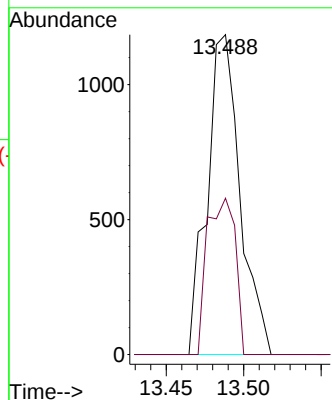
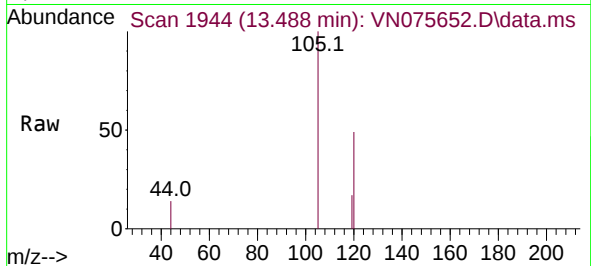




#84
1,2,4-Trimethylbenzene
Concen: 0.286 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

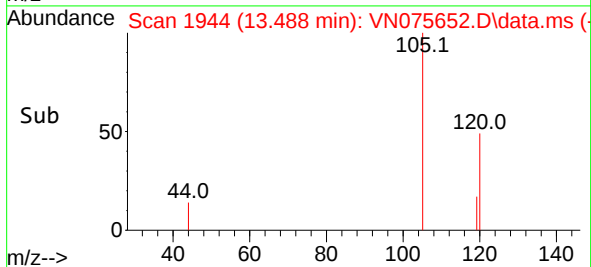
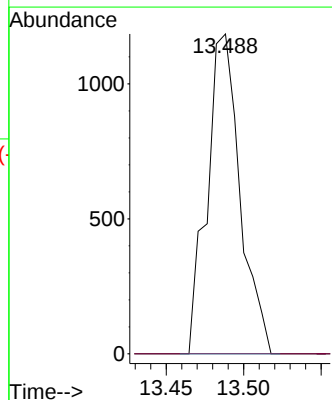
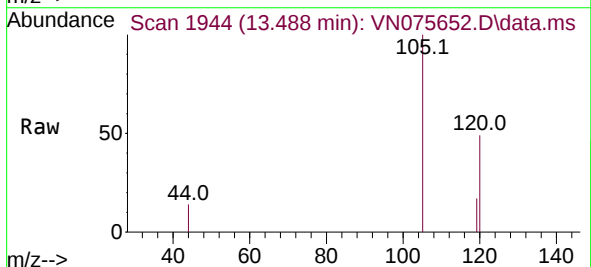
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

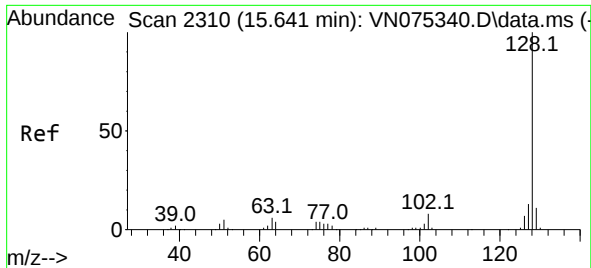
Tgt Ion:105 Resp: 1750
Ion Ratio Lower Upper
105 100
120 41.8 22.7 68.1



#85
sec-Butylbenzene
Concen: 0.232 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.130 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

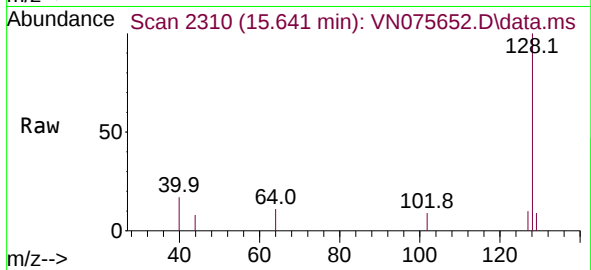
Tgt Ion:105 Resp: 1750
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#





#95
Naphthalene
Concen: 0.762 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075652.D
Acq: 08 Dec 2022 16:56

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4



Tgt Ion:128 Resp: 4112
Ion Ratio Lower Upper
128 100
127 5.3 10.4 15.6#
129 5.2 8.6 12.8#

