

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075858.D
 Acq On : 16 Dec 2022 19:26
 Operator : JC\MD
 Sample : N6099-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PURGE-WATER-2

Quant Time: Dec 17 08:44:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	380864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	595994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	517718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	189434	45.719	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.440%		
35) Dibromofluoromethane	8.177	113	173463	46.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.000%		
50) Toluene-d8	10.571	98	687367	49.810	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.853	95	218402	47.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.560%		
Target Compounds					Qvalue	
16) Acetone	4.453	43	13160	9.214	ug/l #	81
20) Methylene Chloride	5.277	84	74	Below Cal	#	55
25) 2-Butanone	7.500	43	1340	0.670	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	1088	0.246	ug/l	64
28) Bromochloromethane	7.977	49	9697	3.461	ug/l #	4
29) Tetrahydrofuran	7.853	42	333	0.266	ug/l #	41
30) Chloroform	7.971	83	131194	18.227	ug/l	96
31) Cyclohexane	8.230	56	7002	1.180	ug/l #	14
36) 1,1-Dichloropropene	8.235	75	27180	5.544	ug/l #	49
38) Carbon Tetrachloride	8.230	117	37994	6.924	ug/l #	16
40) Benzene	8.612	78	13537	0.895	ug/l	95
41) Methacrylonitrile	7.859	41	472	0.231	ug/l #	30
44) Trichloroethene	9.359	130	90318	21.193	ug/l	98
46) Dibromomethane	9.894	93	575	0.211	ug/l #	3
47) Bromodichloromethane	9.888	83	19888	3.714	ug/l	94
52) Toluene	10.629	92	6976	0.708	ug/l	86
60) Dibromochloromethane	11.359	129	2567	0.597	ug/l	87
64) Tetrachloroethene	11.112	164	5307	1.457	ug/l	92
68) m/p-Xylenes	12.070	106	1589	0.224	ug/l #	69
76) 1,2,3-Trichloropropane	12.853	75	113601	24.822	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113601	89.347	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	3511	0.258	ug/l	91
90) Hexachloroethane	14.335	117	603	0.242	ug/l #	11
95) Naphthalene	15.641	128	7346	2.746	ug/l #	86

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

Quant Time: Dec 17 08:44:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

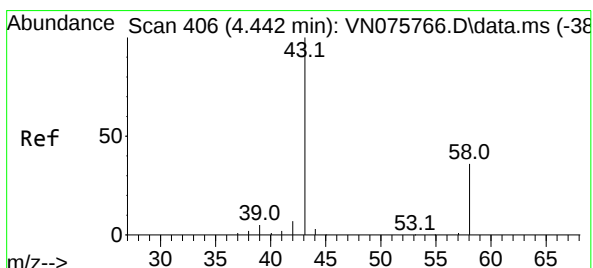
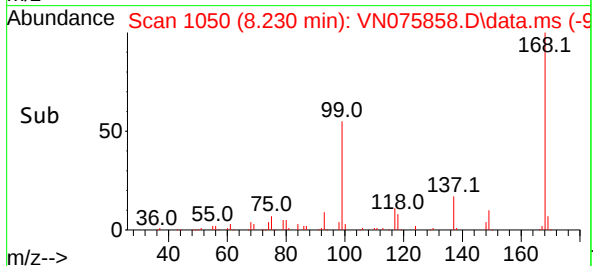
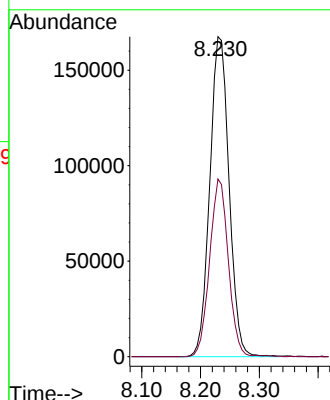
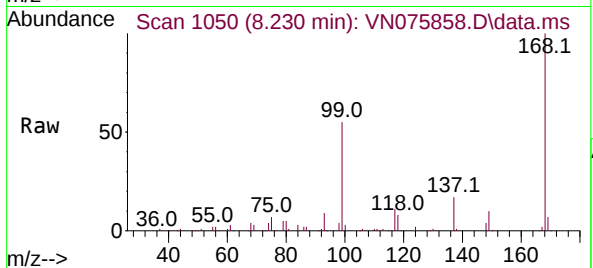




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

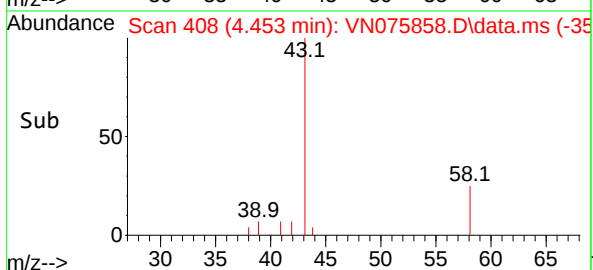
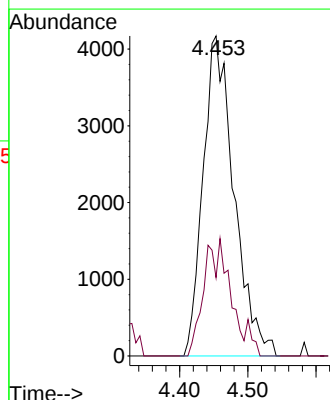
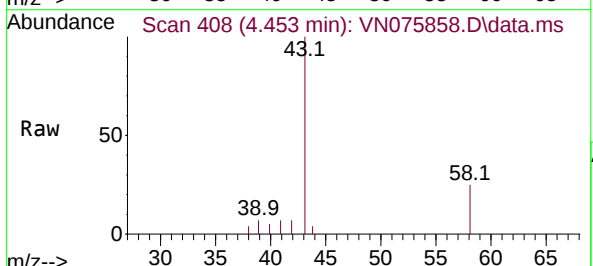
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

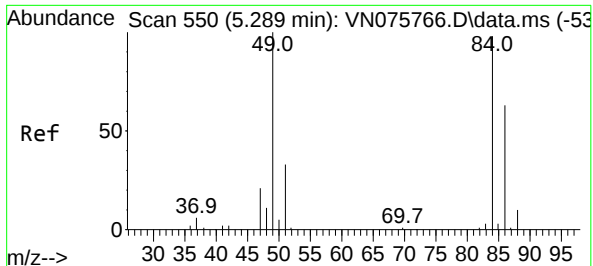
Tgt Ion:168 Resp: 380864
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#16
Acetone
Concen: 9.214 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

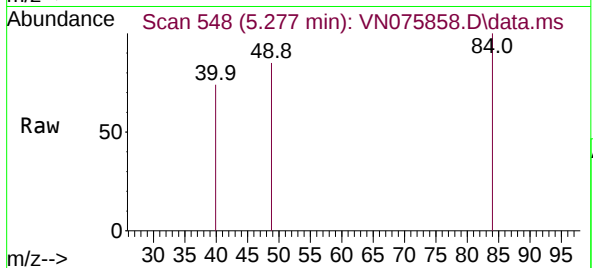
Tgt Ion: 43 Resp: 13160
Ion Ratio Lower Upper
43 100
58 24.5 28.6 43.0#



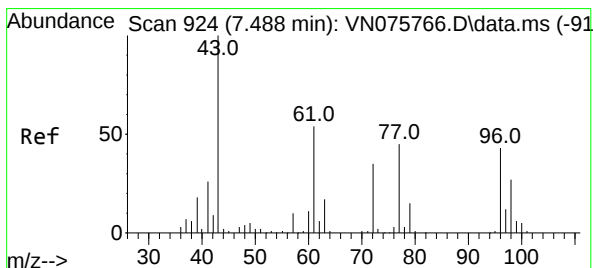
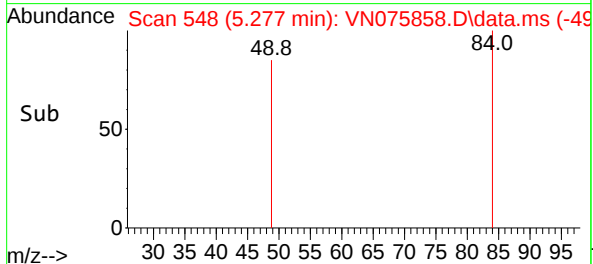
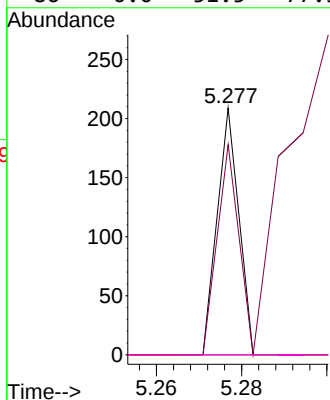


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

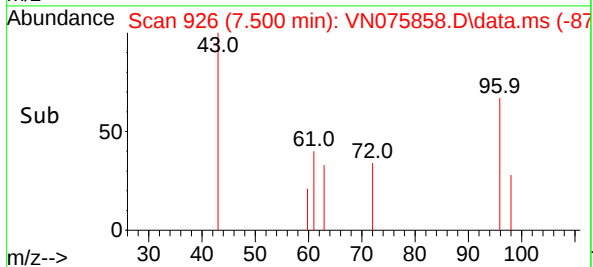
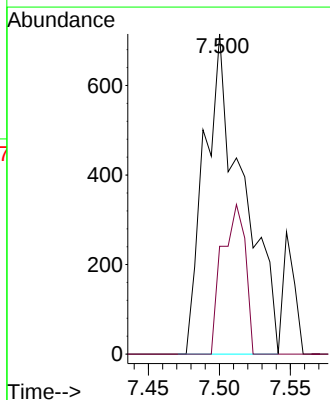
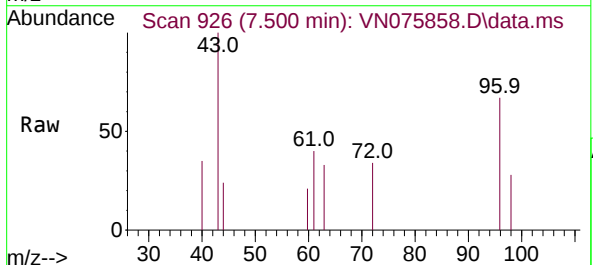


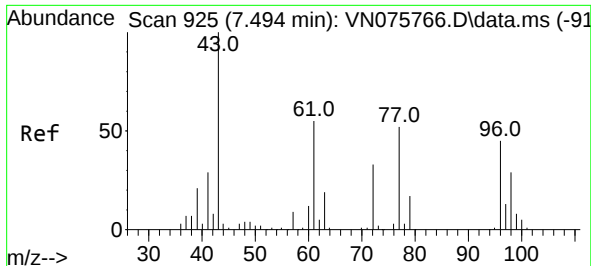
Tgt Ion: 84	Resp: 74
Ion Ratio	Lower Upper
84 100	
49 85.2	81.8 122.6
51 0.0	26.7 40.1#
86 0.0	51.5 77.3#



#25
2-Butanone
Concen: 0.670 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 43	Resp: 1340
Ion Ratio	Lower Upper
43 100	
72 33.7	28.0 42.0





#27

cis-1,2-Dichloroethene

Concen: 0.246 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PURGE-WATER-2

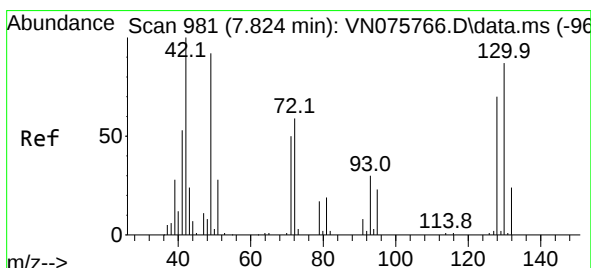
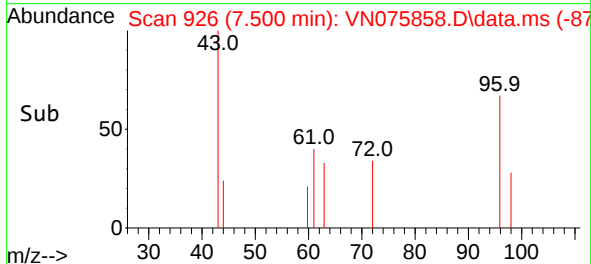
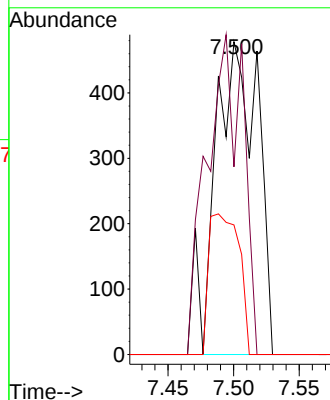
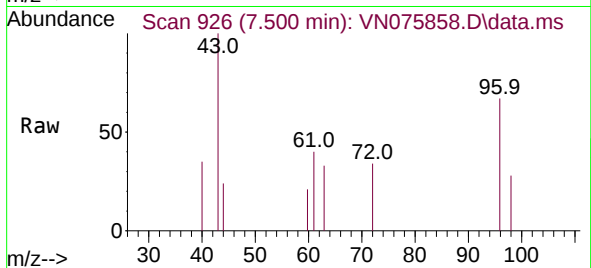
Tgt Ion: 96 Resp: 1088

Ion Ratio Lower Upper

96 100

61 86.3 0.0 247.8

98 31.8 0.0 128.4



#28

Bromochloromethane

Concen: 3.461 ug/l

RT: 7.977 min Scan# 1007

Delta R.T. 0.153 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

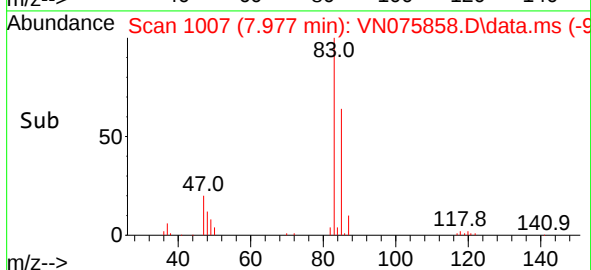
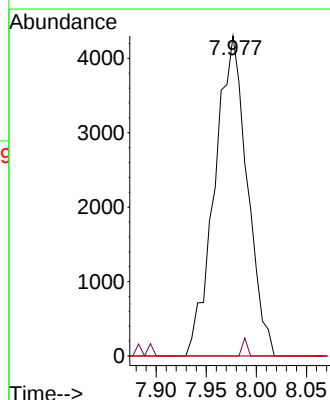
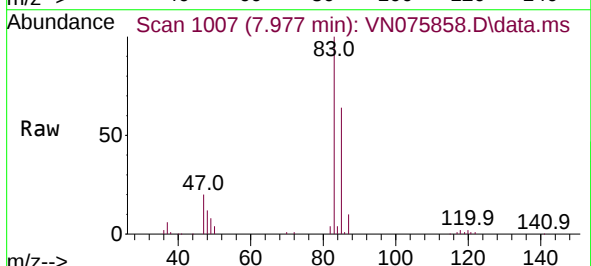
Tgt Ion: 49 Resp: 9697

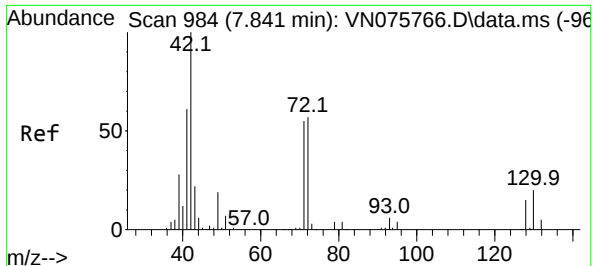
Ion Ratio Lower Upper

49 100

129 0.9 0.0 5.0

130 0.0 77.0 115.4#





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PURGE-WATER-2

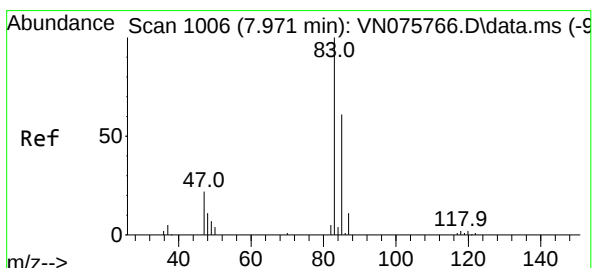
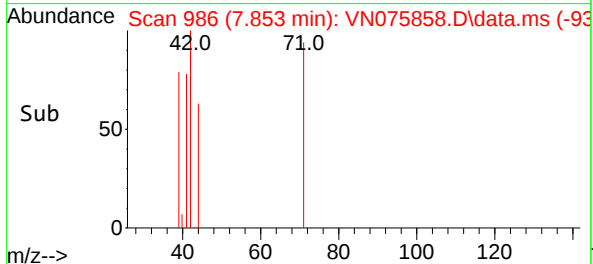
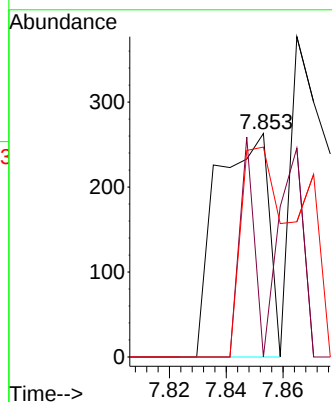
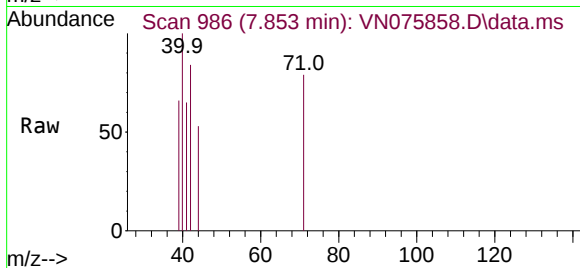
Tgt Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 27.3 44.5 66.7#

71 108.1 41.0 61.6#



#30

Chloroform

Concen: 18.227 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075858.D

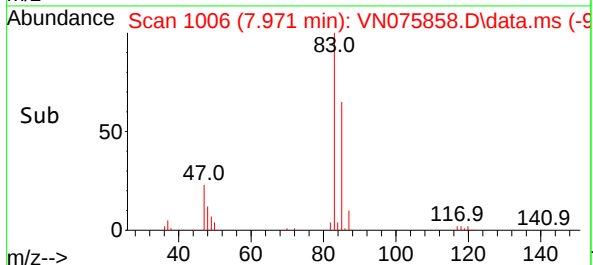
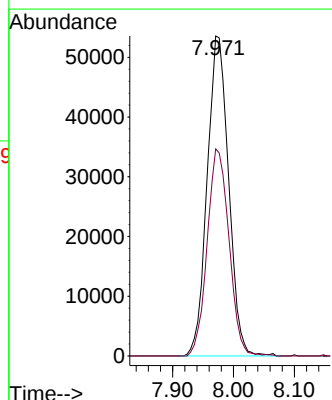
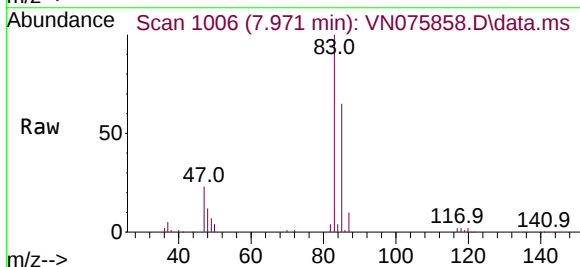
Acq: 16 Dec 2022 19:26

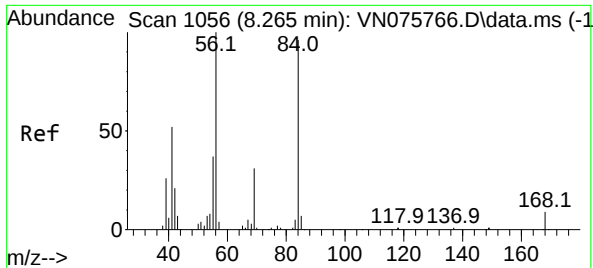
Tgt Ion: 83 Resp: 131194

Ion Ratio Lower Upper

83 100

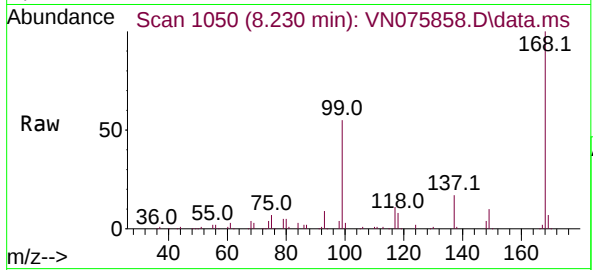
85 64.7 49.1 73.7



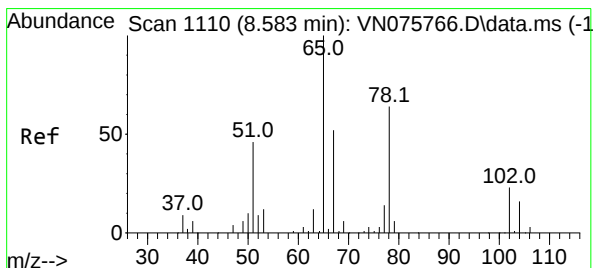
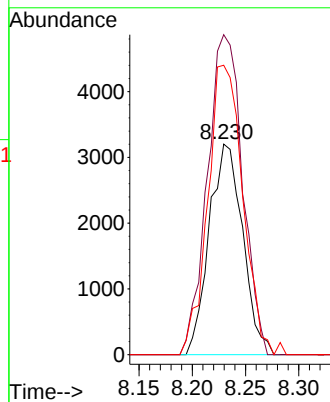
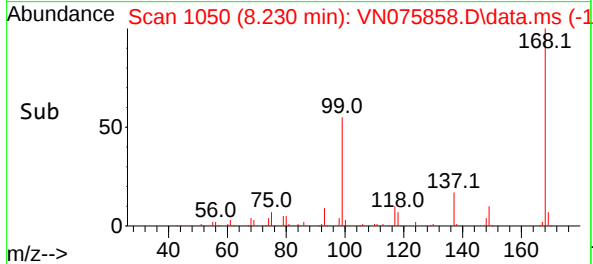


#31
Cyclohexane
Concen: 1.180 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

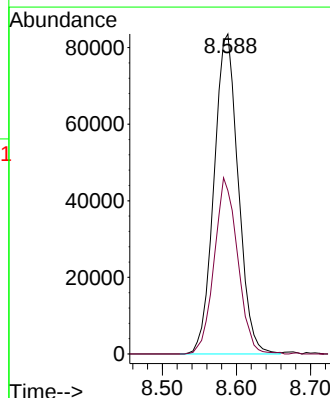
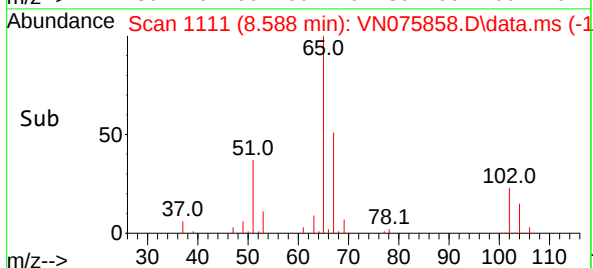
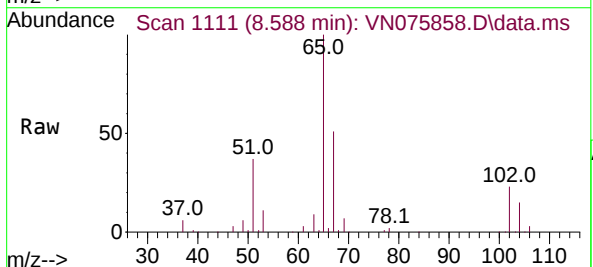


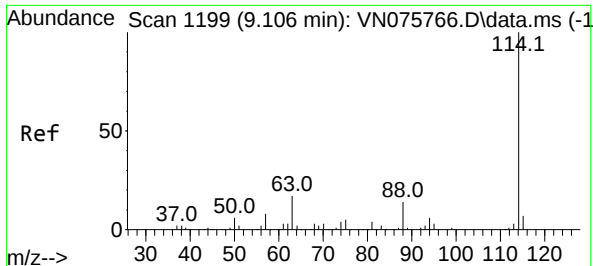
Tgt Ion: 56 Resp: 7002
Ion Ratio Lower Upper
56 100
69 151.9 24.7 37.1#
84 137.4 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 45.719 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 65 Resp: 189434
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PURGE-WATER-2

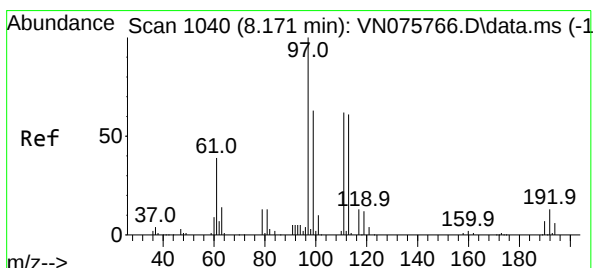
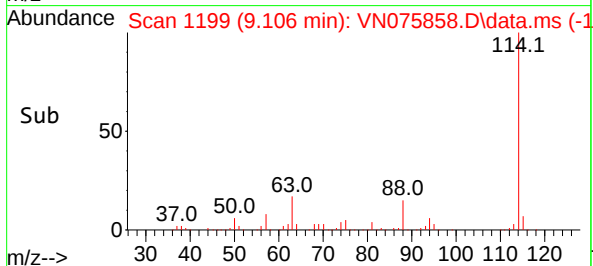
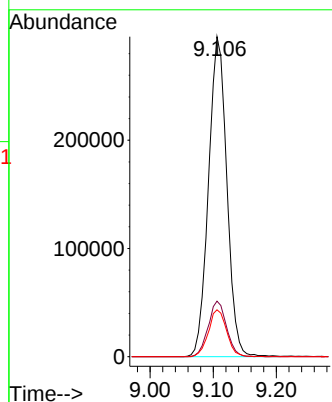
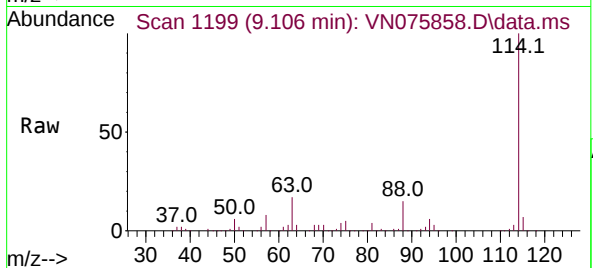
Tgt Ion:114 Resp: 595994

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.997 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

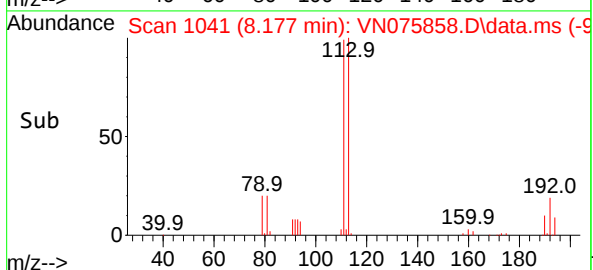
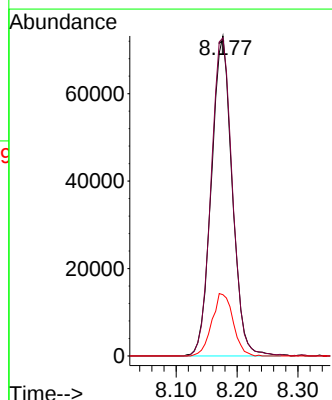
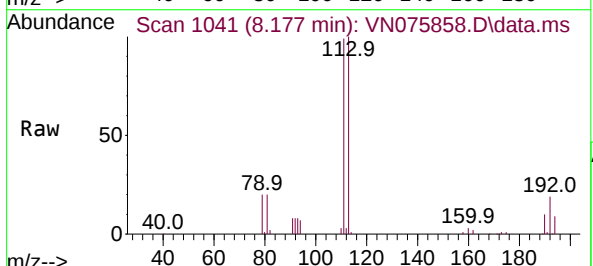
Tgt Ion:113 Resp: 173463

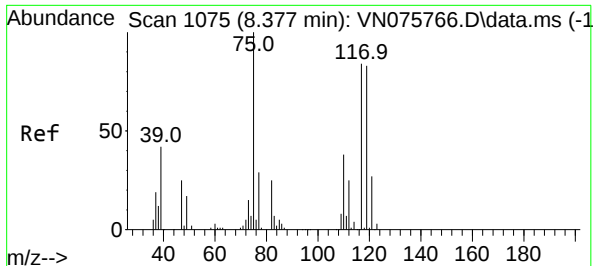
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.544 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.141 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

PURGE-WATER-2

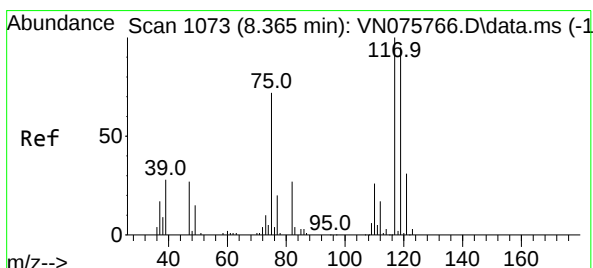
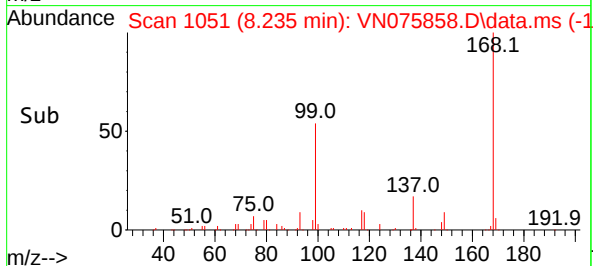
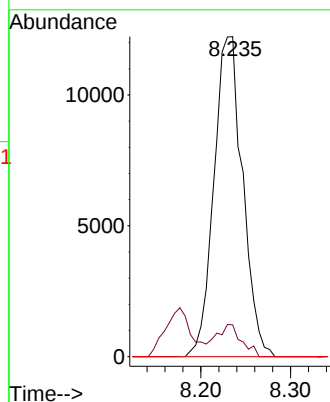
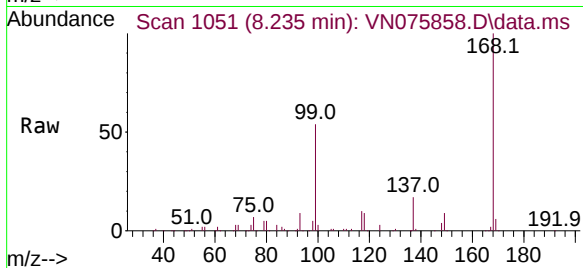
Tgt Ion: 75 Resp: 27180

Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.924 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

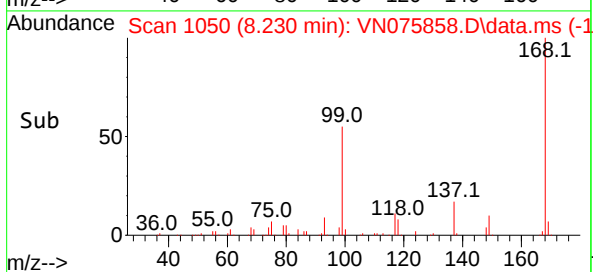
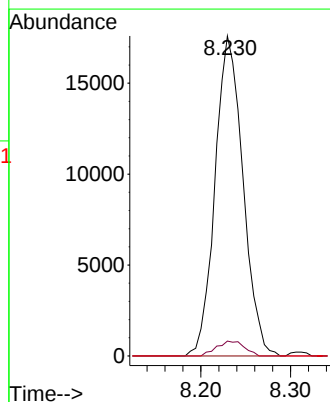
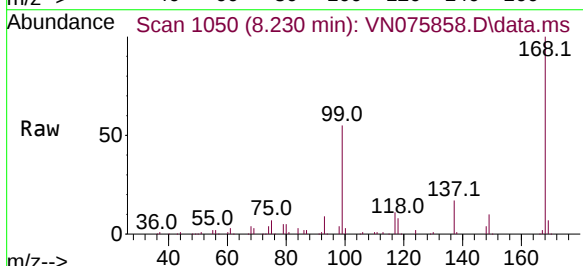
Tgt Ion: 117 Resp: 37994

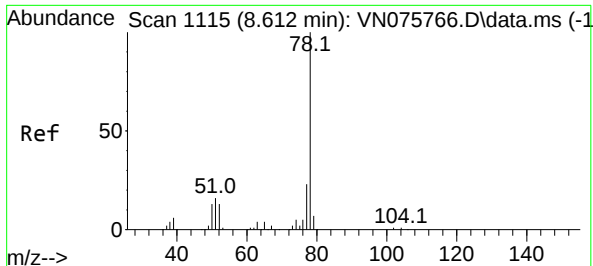
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.895 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Instrument :

MSVOA_N

ClientSampleId :

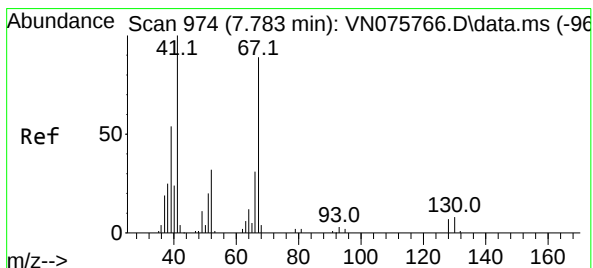
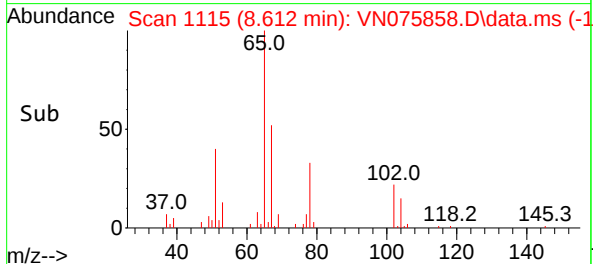
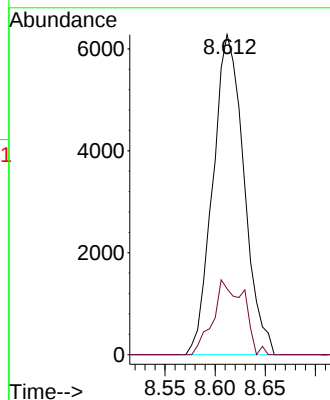
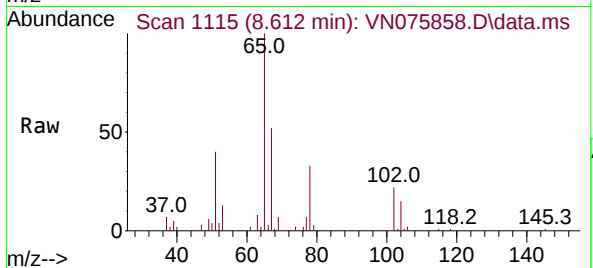
PURGE-WATER-2

Tgt Ion: 78 Resp: 13537

Ion Ratio Lower Upper

78 100

77 20.6 18.5 27.7



#41

Methacrylonitrile

Concen: 0.231 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.076 min

Lab File: VN075858.D

Acq: 16 Dec 2022 19:26

Tgt Ion: 41 Resp: 472

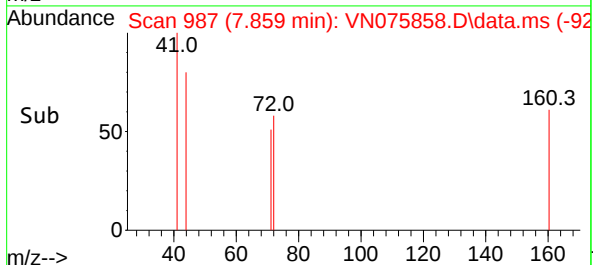
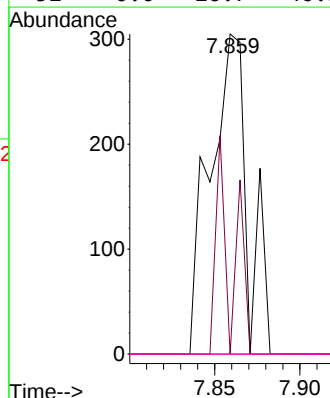
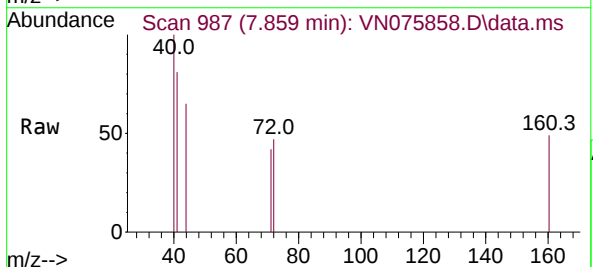
Ion Ratio Lower Upper

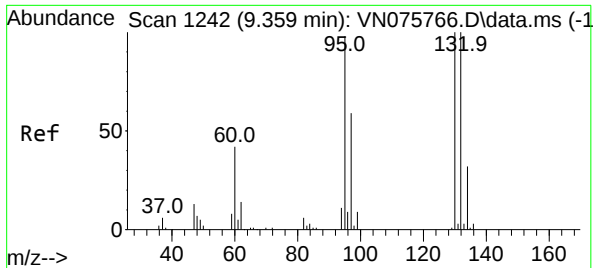
41 100

39 28.0 43.1 64.7#

67 0.0 70.7 106.1#

52 0.0 26.7 40.1#

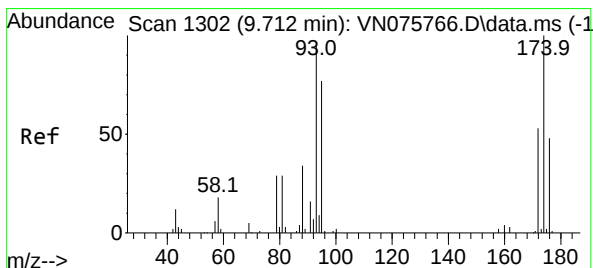
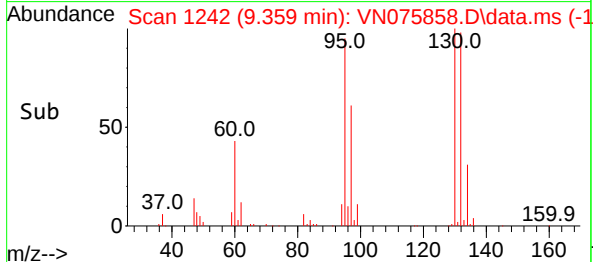
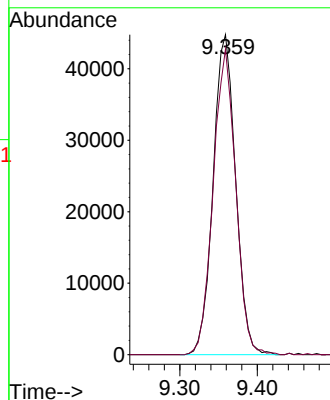
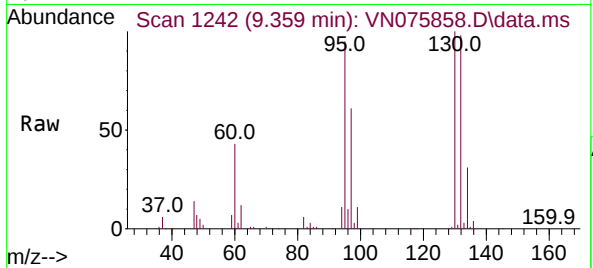




#44
Trichloroethene
Concen: 21.193 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

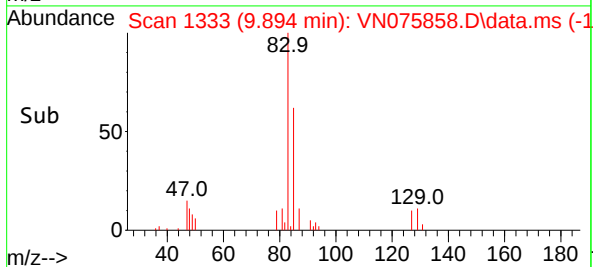
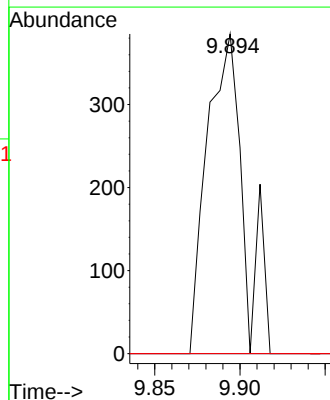
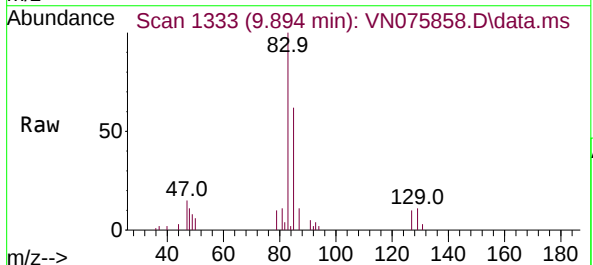
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

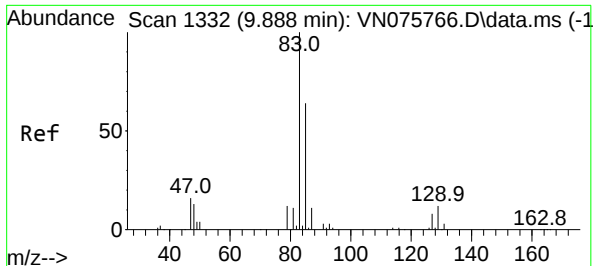
Tgt Ion:130 Resp: 90318
Ion Ratio Lower Upper
130 100
95 95.5 0.0 195.4



#46
Dibromomethane
Concen: 0.211 ug/l
RT: 9.894 min Scan# 1333
Delta R.T. 0.182 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 93 Resp: 575
Ion Ratio Lower Upper
93 100
95 0.0 65.2 97.8#
174 0.0 82.4 123.6#

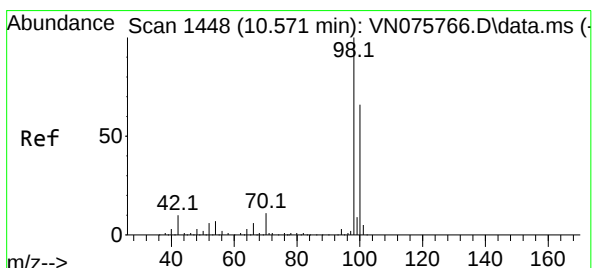
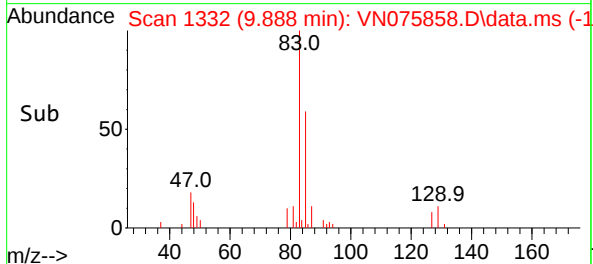
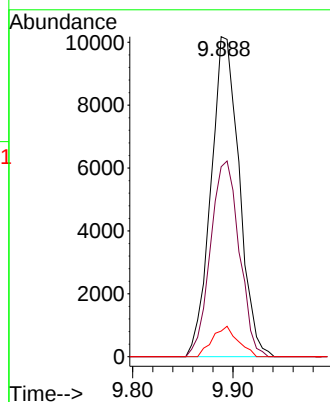
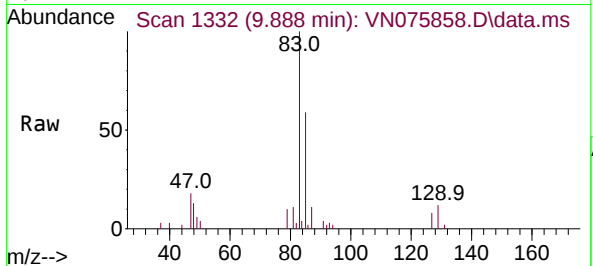




#47
Bromodichloromethane
Concen: 3.714 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

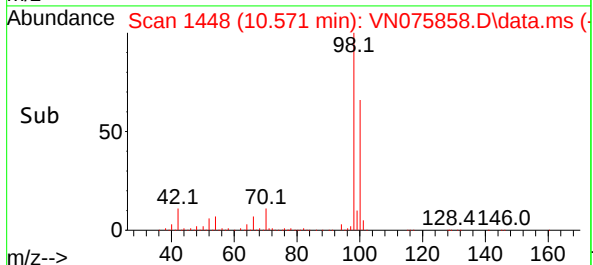
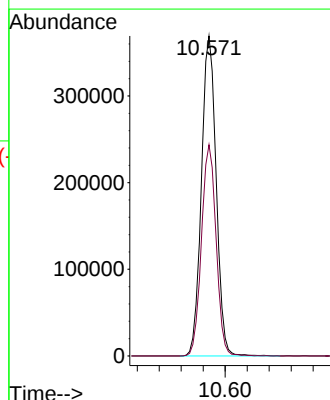
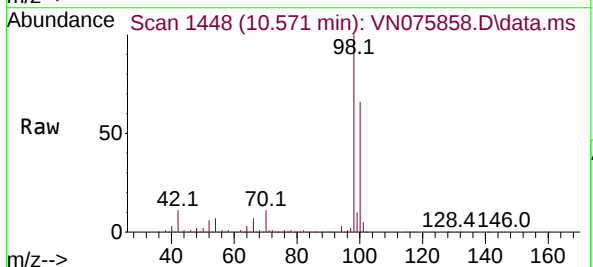
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

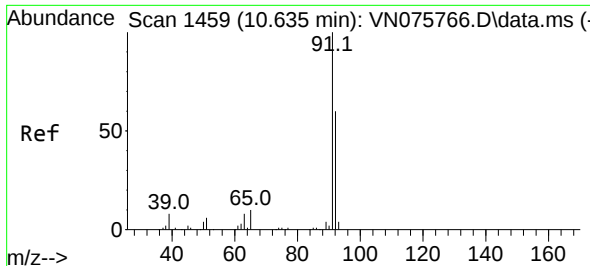
Tgt Ion: 83 Resp: 19888
Ion Ratio Lower Upper
83 100
85 59.3 51.5 77.3
127 8.0 6.6 10.0



#50
Toluene-d8
Concen: 49.810 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 98 Resp: 687367
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

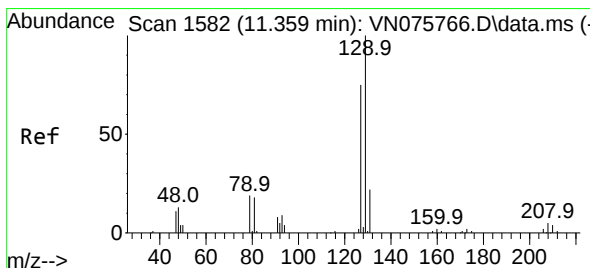
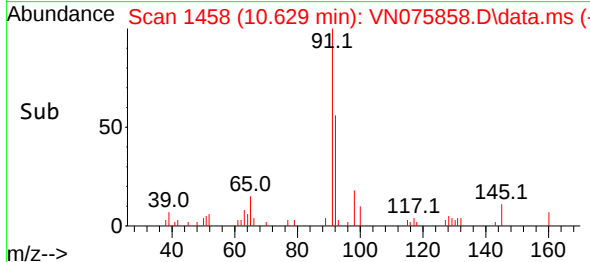
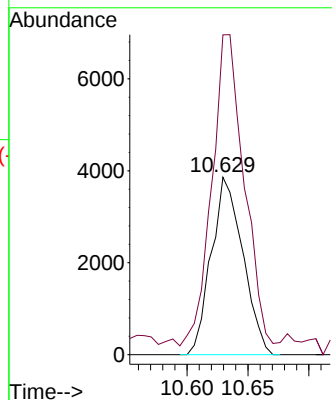
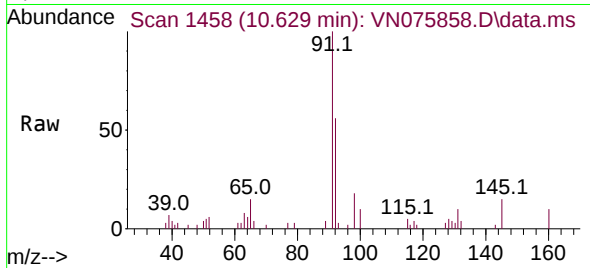




#52
Toluene
Concen: 0.708 ug/l
RT: 10.629 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

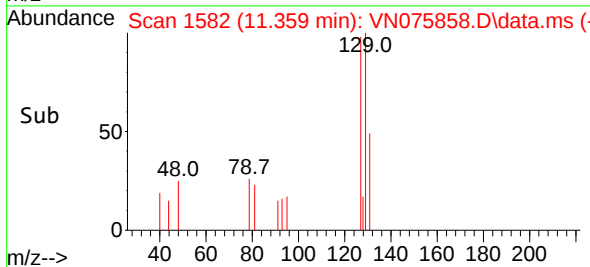
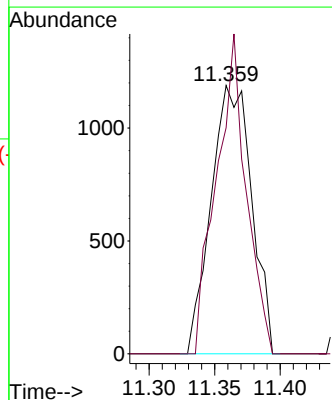
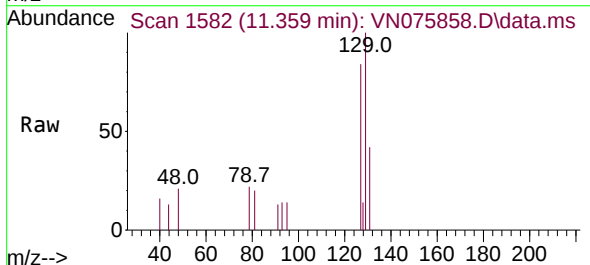
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

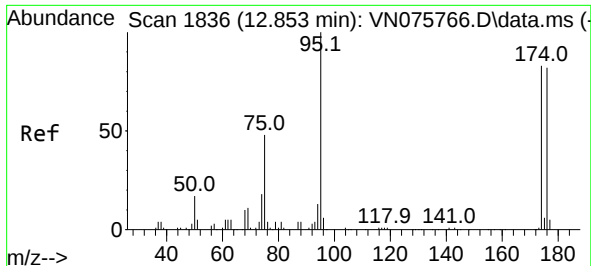
Tgt Ion: 92 Resp: 6976
Ion Ratio Lower Upper
92 100
91 190.8 137.3 205.9



#60
Dibromochloromethane
Concen: 0.597 ug/l
RT: 11.359 min Scan# 1582
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion:129 Resp: 2567
Ion Ratio Lower Upper
129 100
127 87.6 38.3 114.9

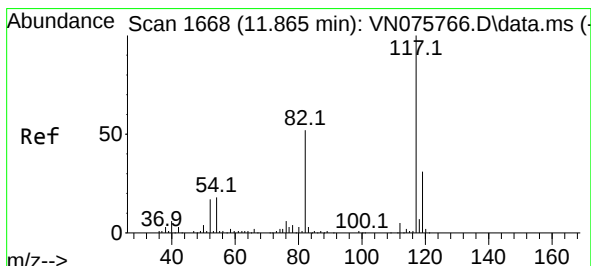
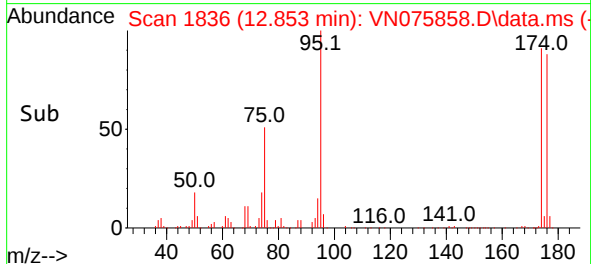
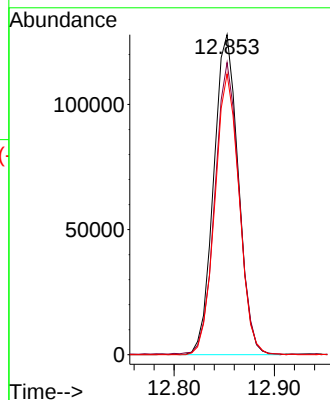
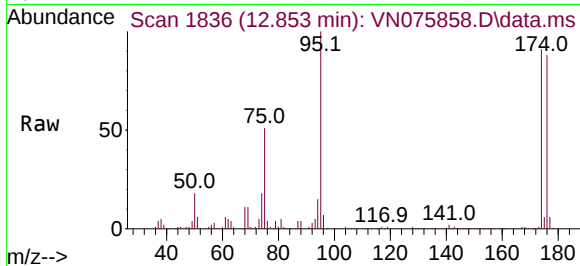




#62
4-Bromofluorobenzene
Concen: 47.783 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

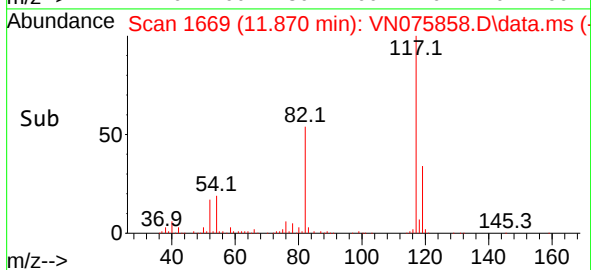
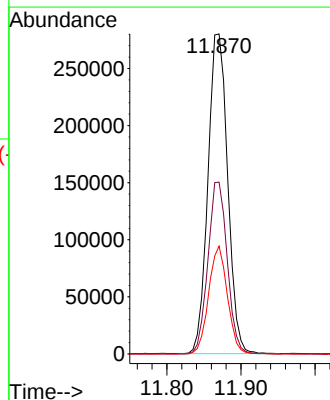
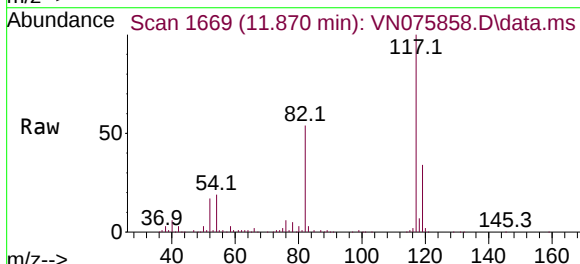
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

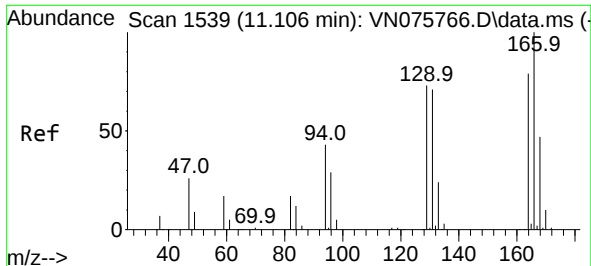
Tgt Ion: 95 Resp: 218402
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 117 Resp: 517718
Ion Ratio Lower Upper
117 100
82 53.8 41.3 61.9
119 33.8 24.6 37.0

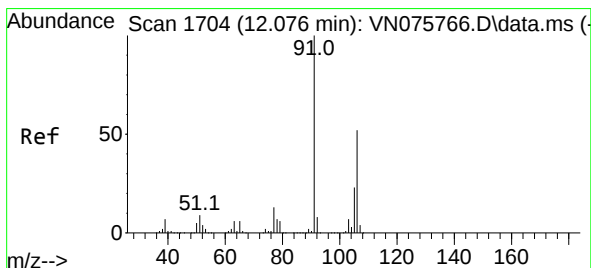
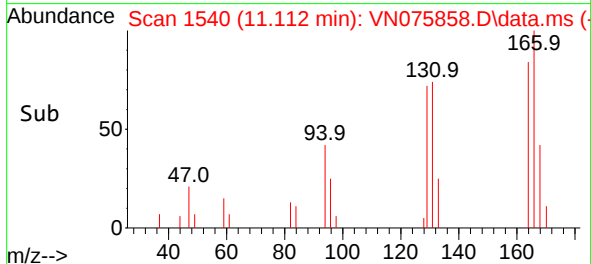
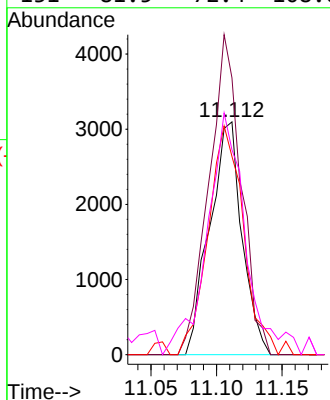
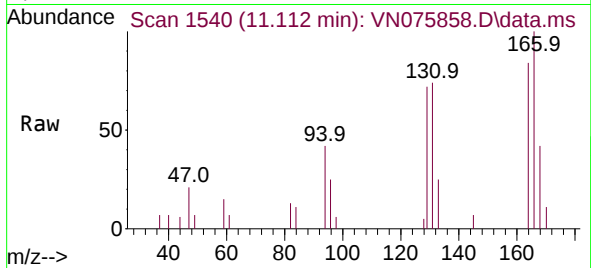




#64
Tetrachloroethene
Concen: 1.457 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

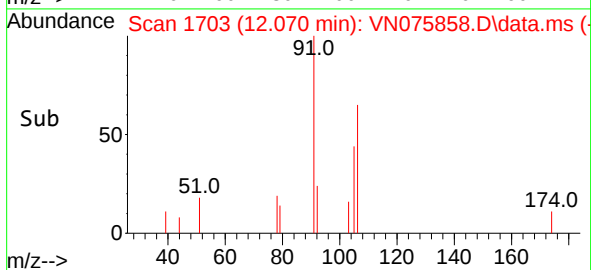
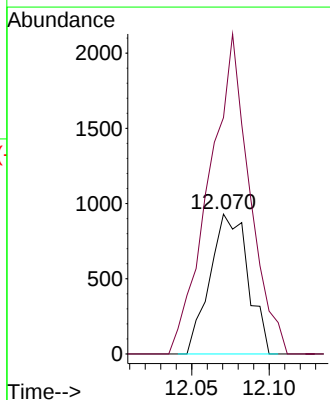
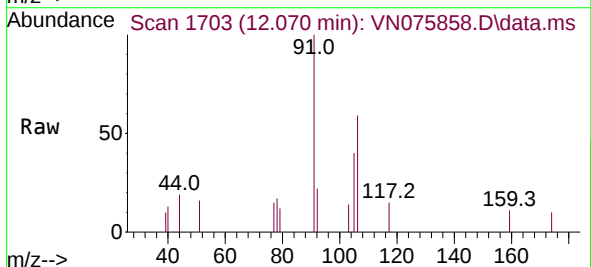
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

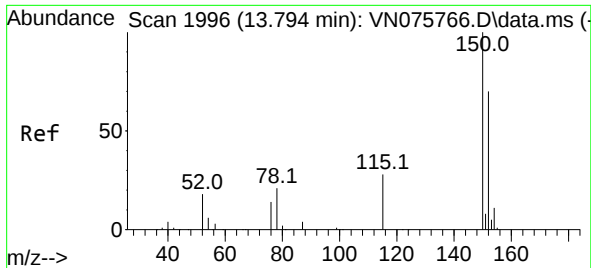
Tgt Ion:164 Resp: 5307
Ion Ratio Lower Upper
164 100
166 118.9 101.9 152.9
129 85.1 74.2 111.2
131 81.5 72.4 108.6



#68
m/p-Xylenes
Concen: 0.224 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion:106 Resp: 1589
Ion Ratio Lower Upper
106 100
91 242.6 156.6 235.0#

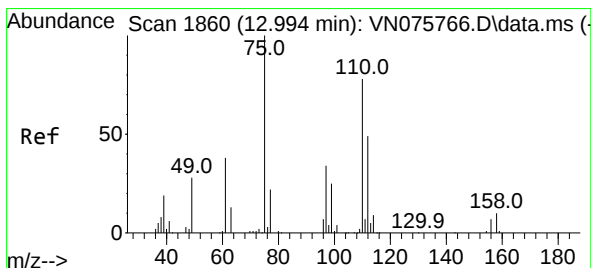
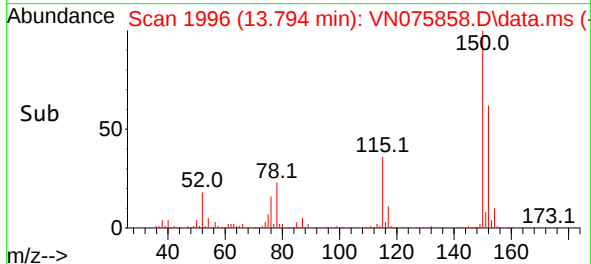
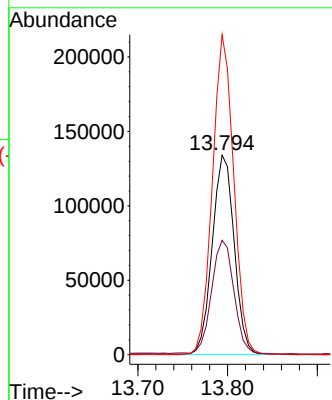
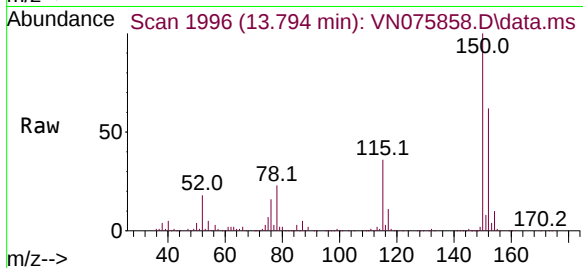




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075858.D
 Acq: 16 Dec 2022 19:26

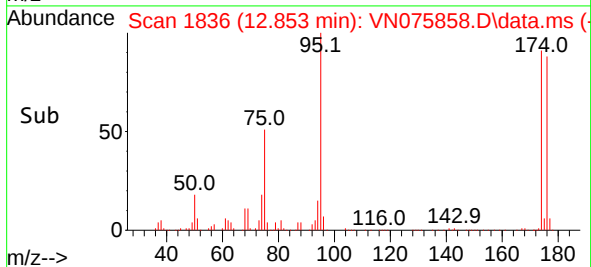
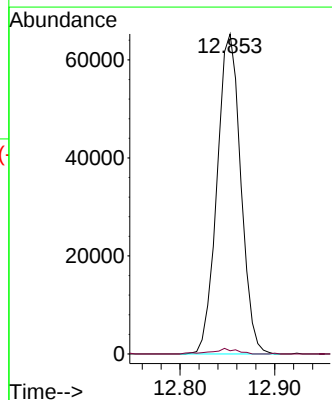
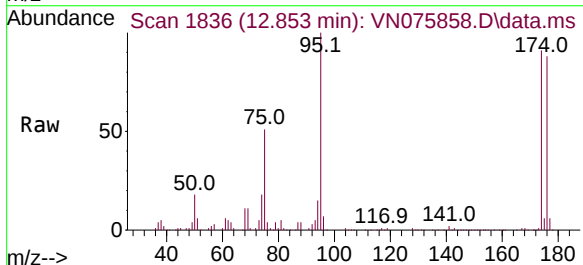
Instrument :
 MSVOA_N
 ClientSampleId :
 PURGE-WATER-2

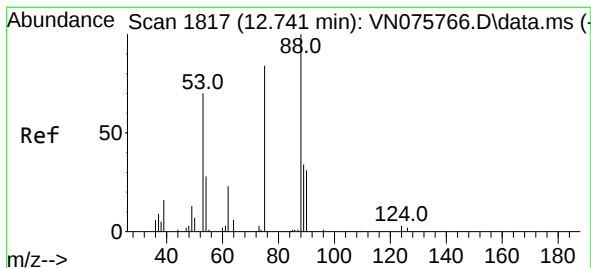
Tgt Ion:152 Resp: 227043
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.1 87.4
 150 156.3 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 24.822 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075858.D
 Acq: 16 Dec 2022 19:26

Tgt Ion: 75 Resp: 113601
 Ion Ratio Lower Upper
 75 100
 77 1.8 82.6 247.8#

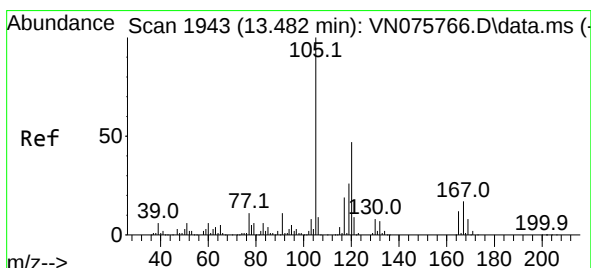
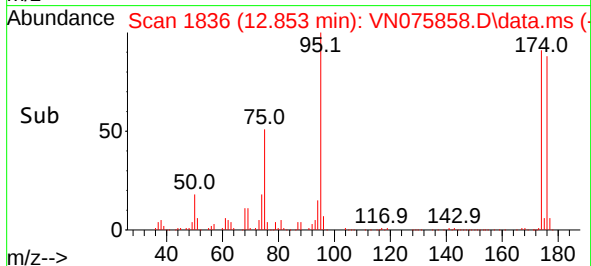
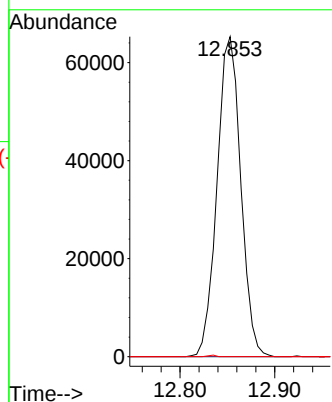
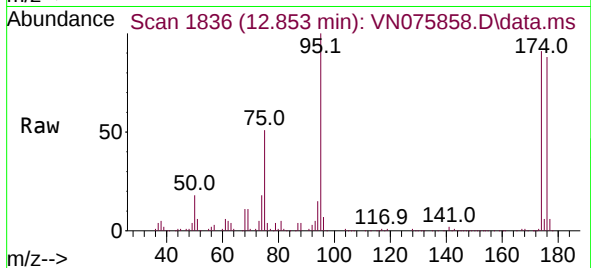




#81
trans-1,4-Dichloro-2-butene
Concen: 89.347 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

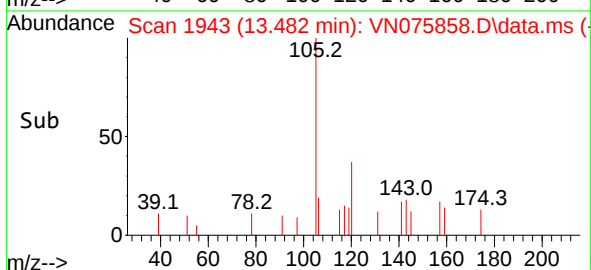
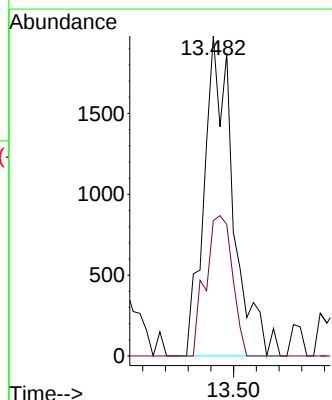
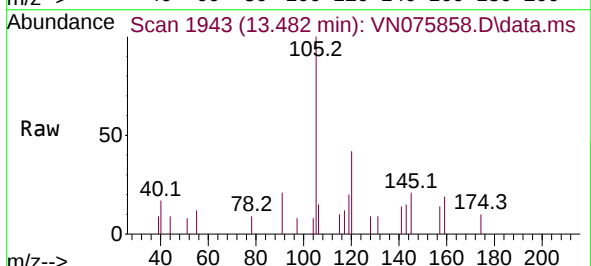
Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

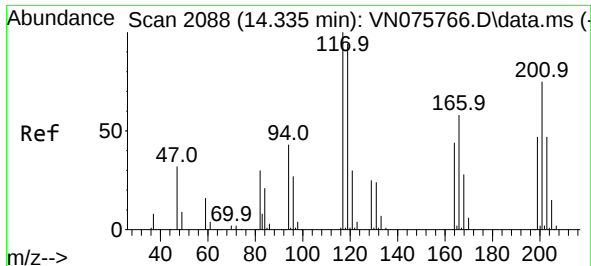
Tgt Ion: 75 Resp: 113601
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.2 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.258 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion: 105 Resp: 3511
Ion Ratio Lower Upper
105 100
120 40.6 23.3 69.8

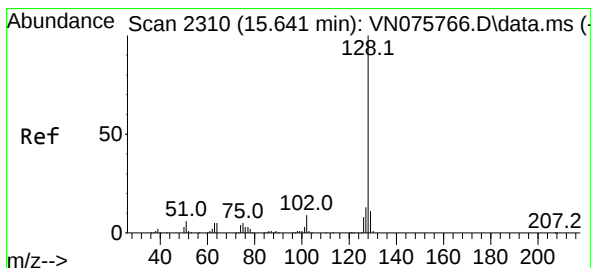
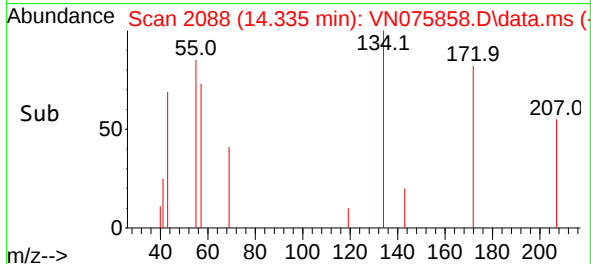
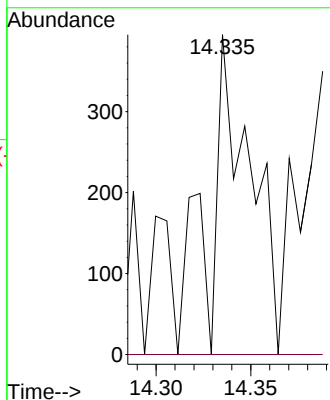
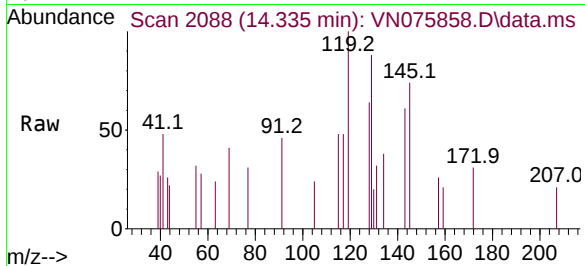




#90
Hexachloroethane
Concen: 0.242 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Instrument :
MSVOA_N
ClientSampleId :
PURGE-WATER-2

Tgt Ion:117 Resp: 603
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 2.746 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075858.D
Acq: 16 Dec 2022 19:26

Tgt Ion:128 Resp: 7346
Ion Ratio Lower Upper
128 100
127 15.9 10.4 15.6#
129 19.3 8.7 13.1#

