

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084320.D
 Acq On : 04 Oct 2024 17:32
 Operator : JC\MD
 Sample : P4289-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-Waste Water

Quant Time: Oct 04 23:01:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

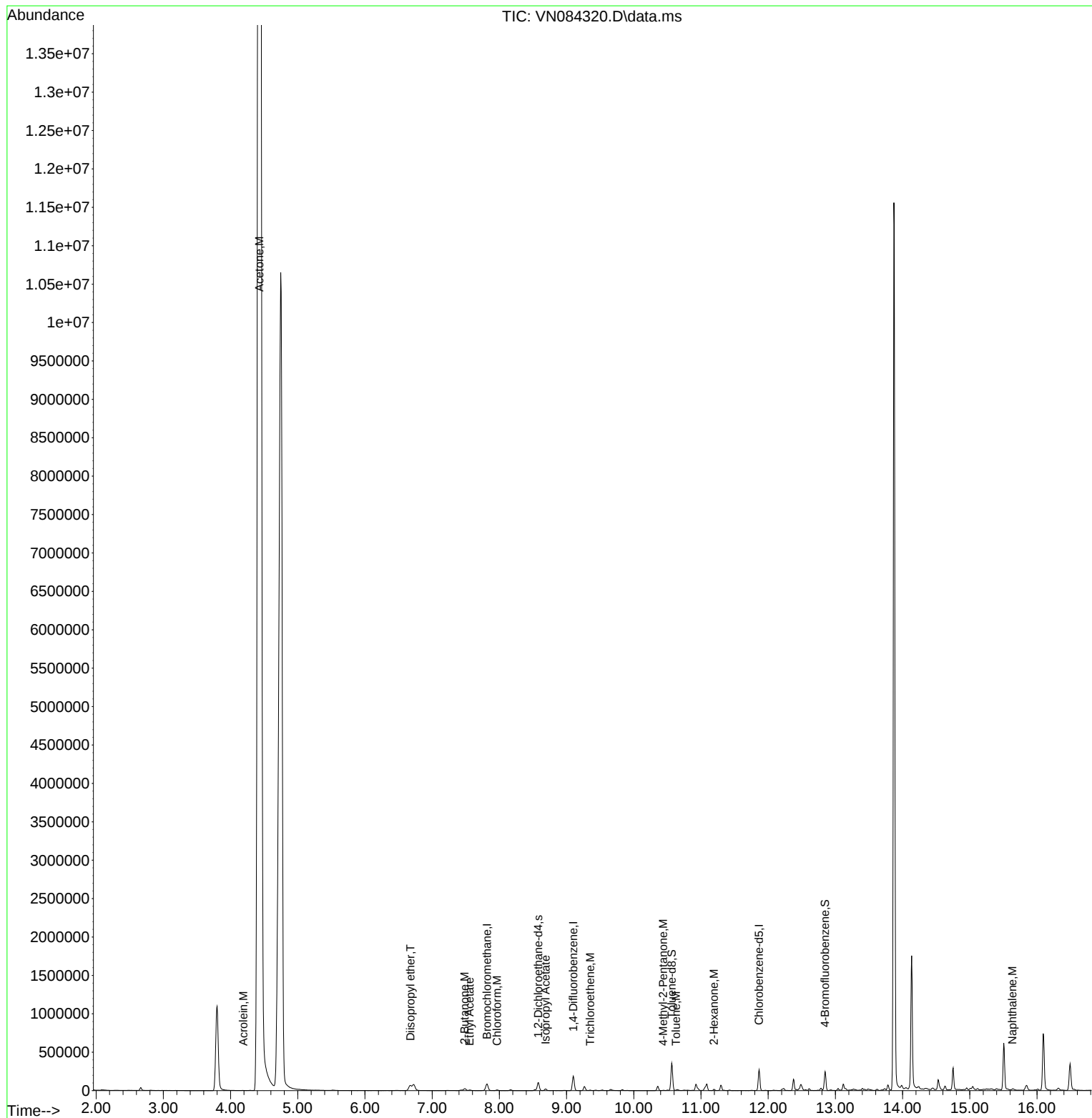
Internal Standards						
1) Bromochloromethane	7.818	128	28892	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158129	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152426	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	85475	32.365	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.900%	
60) 4-Bromofluorobenzene	12.847	95	84545	32.183	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 107.267%	
63) Toluene-d8	10.565	98	238496	33.791	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 112.633%#	
Target Compounds						
					Qvalue	
13) Acrolein	4.189	56	2272	7.189	ug/l #	76
15) Acetone	4.430	58	24481350	84210.679	ug/l #	9
20) Diisopropyl ether	6.677	45	90970	14.305	ug/l #	95
25) Chloroform	7.965	83	8580	2.230	ug/l	98
30) 2-Butanone	7.483	43	40288	34.076	ug/l	94
37) Trichloroethene	9.353	130	2241	1.268	ug/l	92
43) Ethyl Acetate	7.559	43	13085	5.499	ug/l #	92
44) Isopropyl Acetate	8.688	43	25355	6.160	ug/l #	78
58) 4-Methyl-2-Pentanone	10.435	43	4163	1.722	ug/l #	78
59) 2-Hexanone	11.194	43	11113	6.085	ug/l #	86
62) Toluene	10.629	91	2717	0.310	ug/l	99
91) Naphthalene	15.635	128	6120	0.851	ug/l #	81

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
Data File : VN084320.D
Acq On : 04 Oct 2024 17:32
Operator : JC\MD
Sample : P4289-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

Quant Time: Oct 04 23:01:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

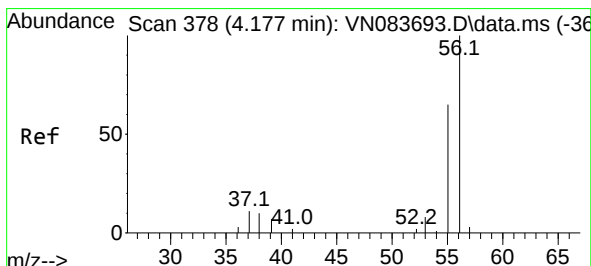
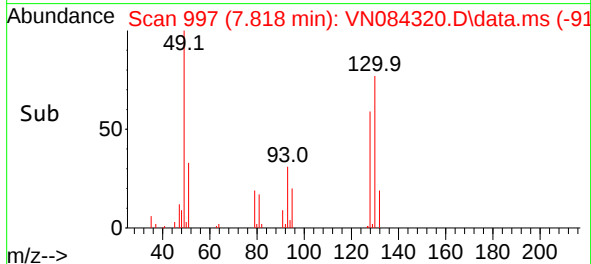
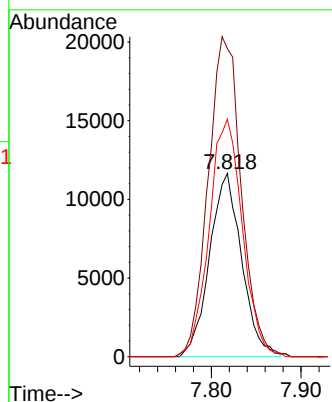
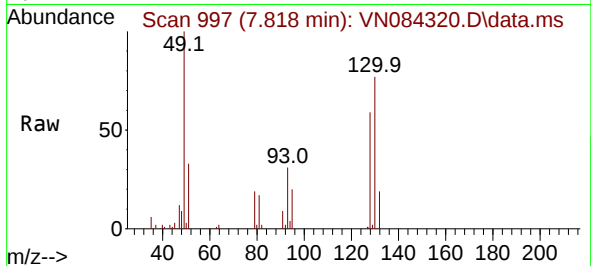




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

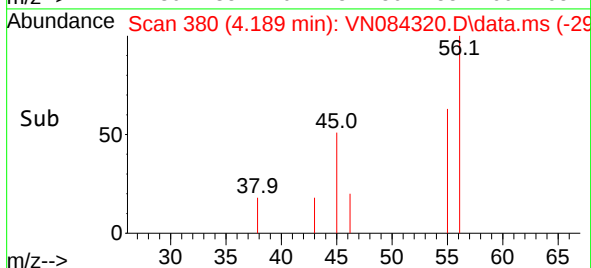
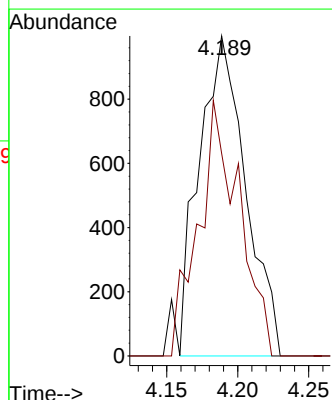
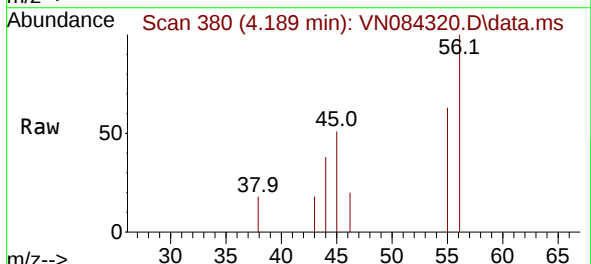
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

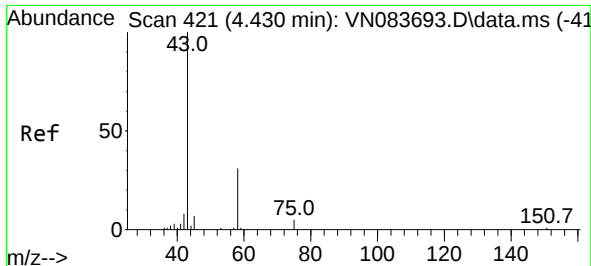
Tgt Ion:128 Resp: 28892
Ion Ratio Lower Upper
128 100
49 179.9 0.0 403.7
130 134.4 0.0 323.3



#13
Acrolein
Concen: 7.189 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 56 Resp: 2272
Ion Ratio Lower Upper
56 100
55 49.9 55.5 83.3#





#15

Acetone

Concen: 84210.679 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN084320.D

Acq: 04 Oct 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

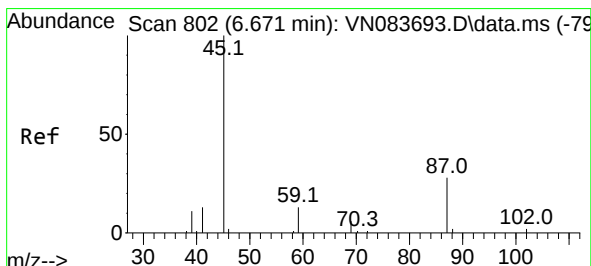
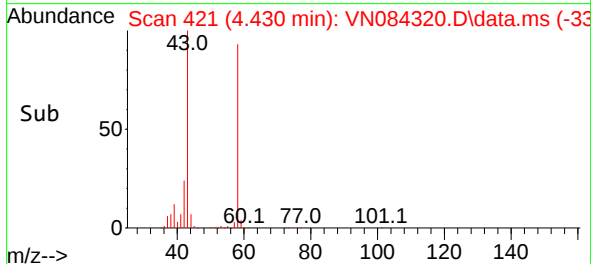
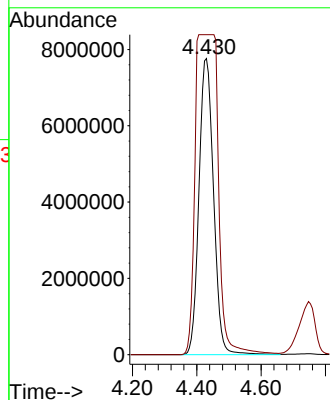
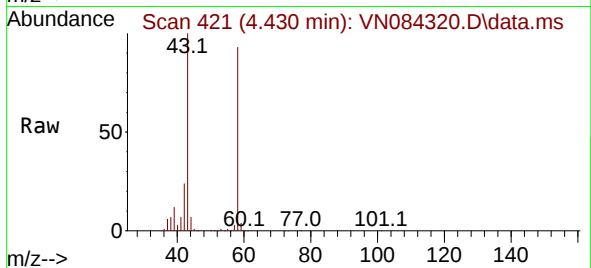
EFF-Waste Water

Tgt Ion: 58 Resp:24481350

Ion Ratio Lower Upper

58 100

43 108.1 223.1 334.7#



#20

Diisopropyl ether

Concen: 14.305 ug/l

RT: 6.677 min Scan# 803

Delta R.T. 0.006 min

Lab File: VN084320.D

Acq: 04 Oct 2024 17:32

Tgt Ion: 45 Resp: 90970

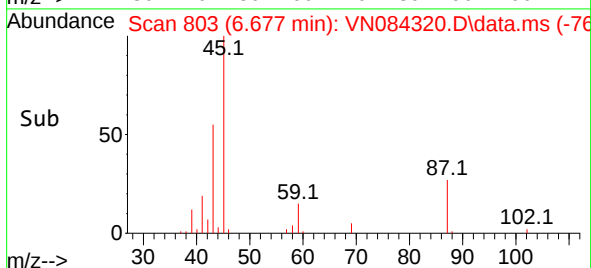
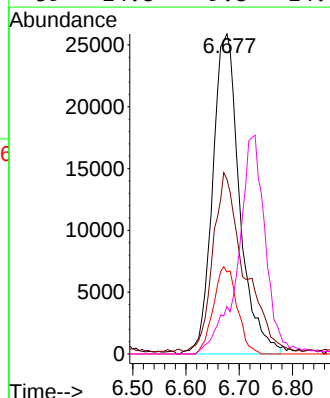
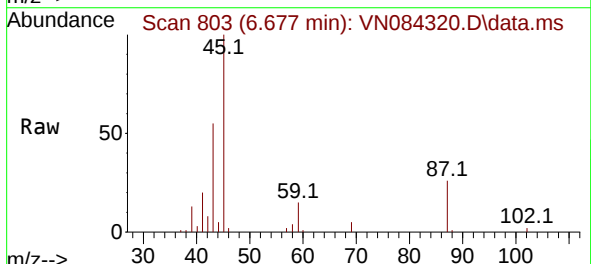
Ion Ratio Lower Upper

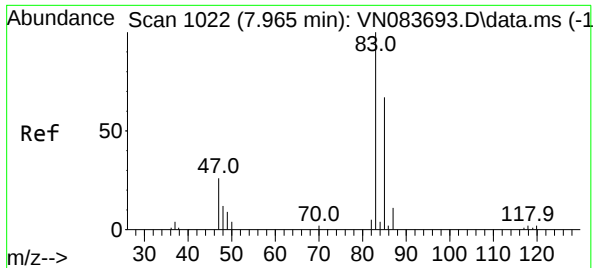
45 100

43 53.2 40.4 60.6

87 25.7 23.8 35.8

59 14.8 9.8 14.6#

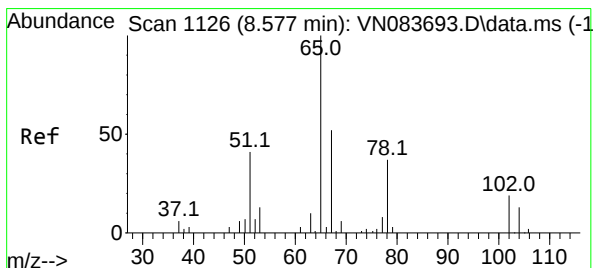
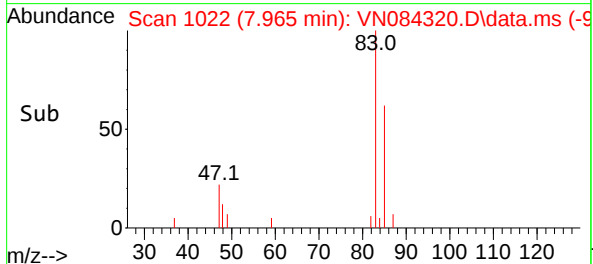
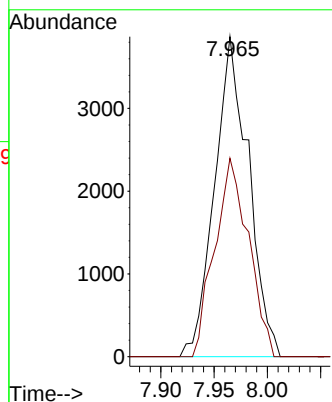
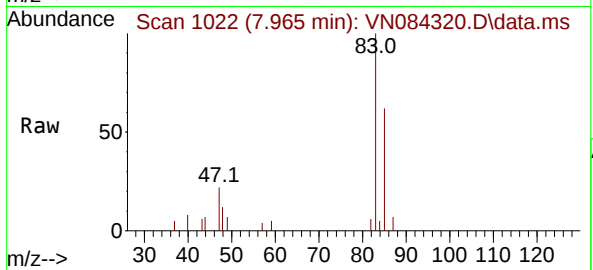




#25
Chloroform
Concen: 2.230 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

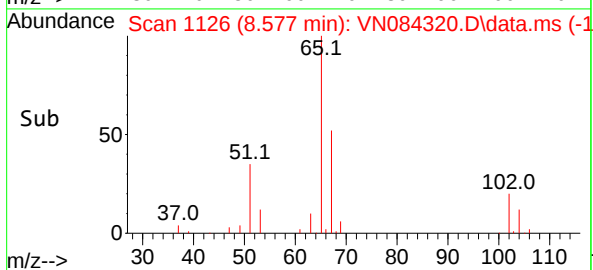
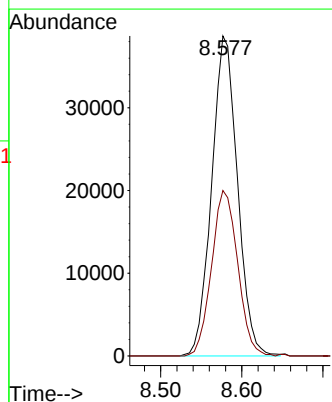
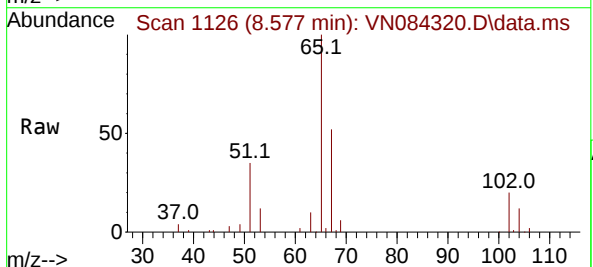
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

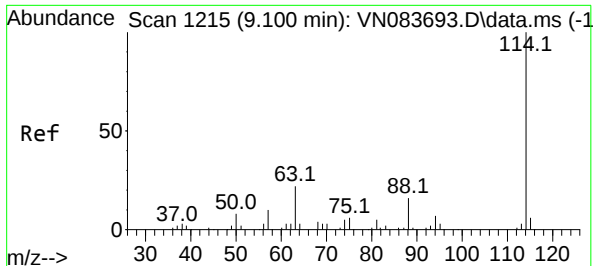
Tgt Ion: 83 Resp: 8580
Ion Ratio Lower Upper
83 100
85 62.0 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.365 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 65 Resp: 85475
Ion Ratio Lower Upper
65 100
67 52.3 43.2 64.8

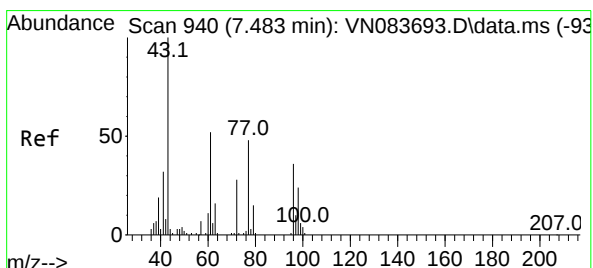
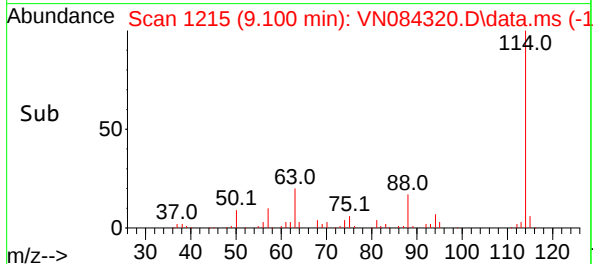
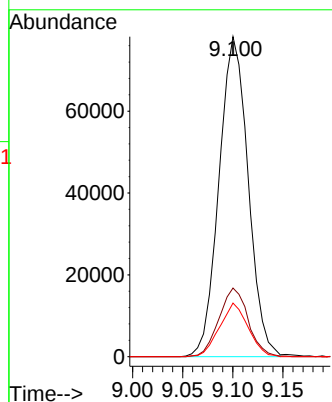
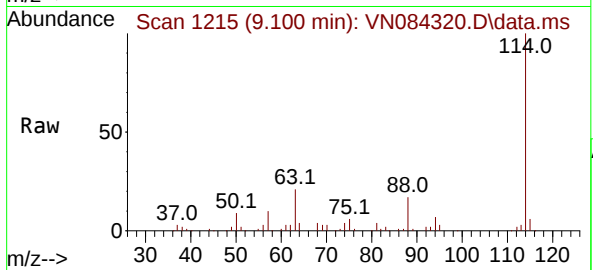




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

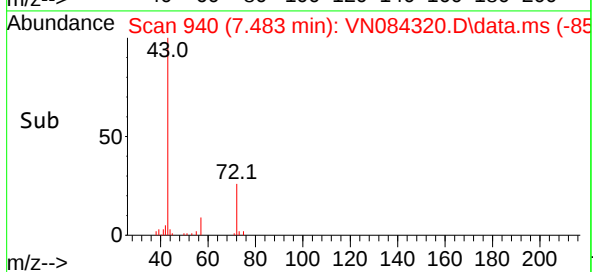
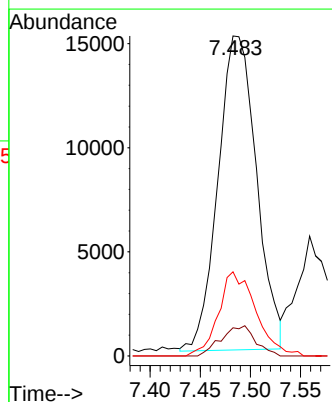
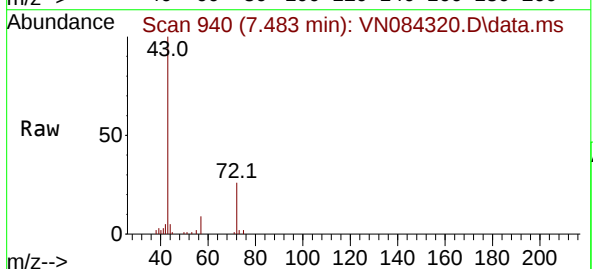
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

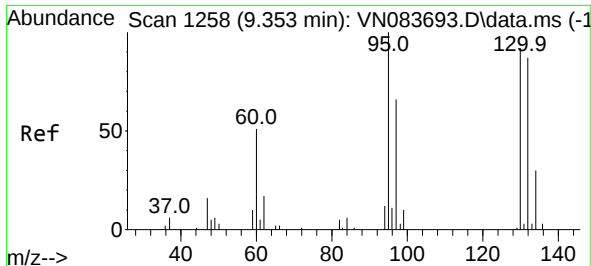
Tgt Ion:114 Resp: 158129
Ion Ratio Lower Upper
114 100
63 21.5 15.9 23.9
88 16.4 12.7 19.1



#30
2-Butanone
Concen: 34.076 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 43 Resp: 40288
Ion Ratio Lower Upper
43 100
57 8.5 6.7 10.1
72 25.8 24.0 36.0





#37

Trichloroethene

Concen: 1.268 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN084320.D

Acq: 04 Oct 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

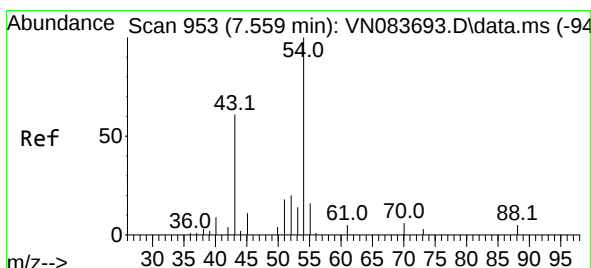
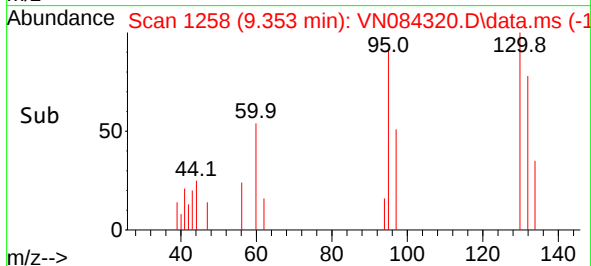
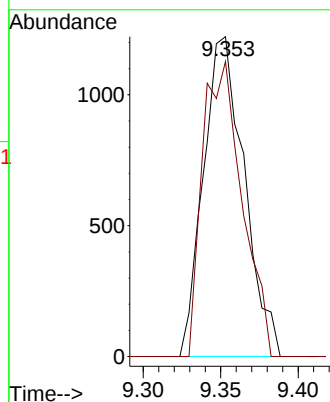
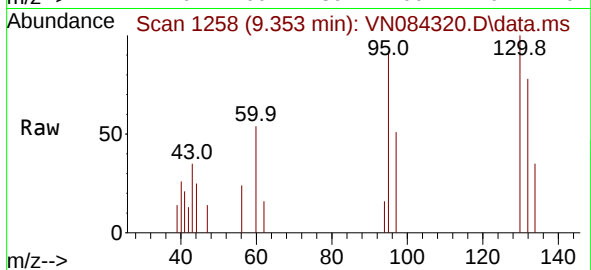
EFF-Waste Water

Tgt Ion:130 Resp: 2241

Ion Ratio Lower Upper

130 100

95 92.2 80.2 120.4



#43

Ethyl Acetate

Concen: 5.499 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN084320.D

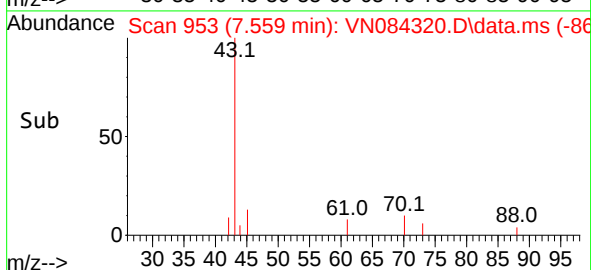
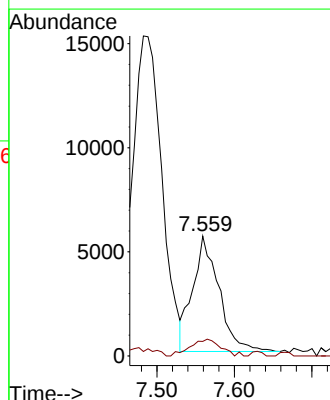
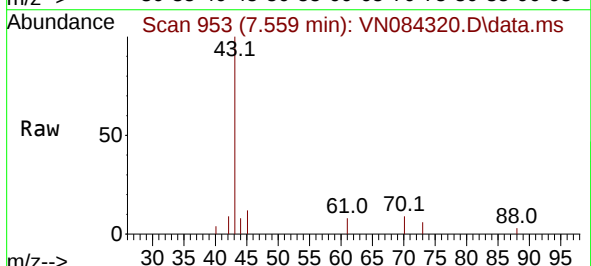
Acq: 04 Oct 2024 17:32

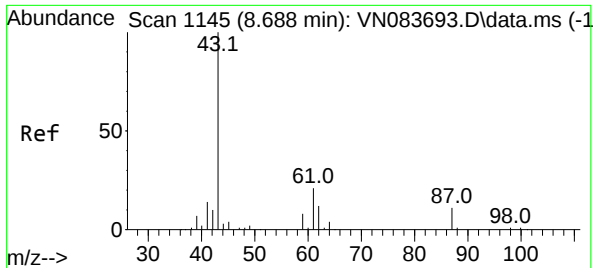
Tgt Ion: 43 Resp: 13085

Ion Ratio Lower Upper

43 100

45 16.2 10.6 15.8#

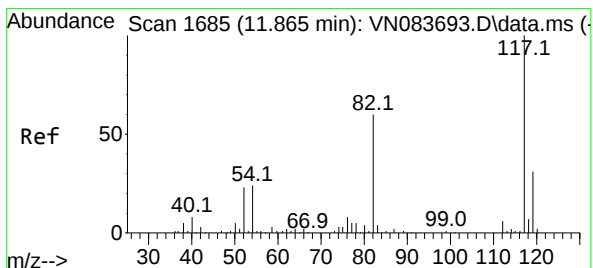
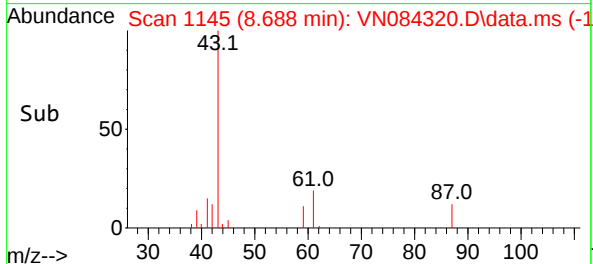
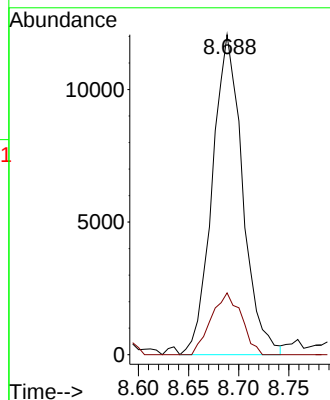
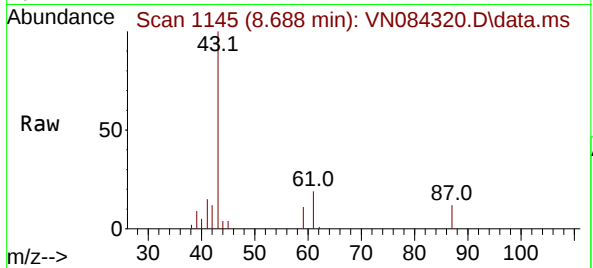




#44
Isopropyl Acetate
Concen: 6.160 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

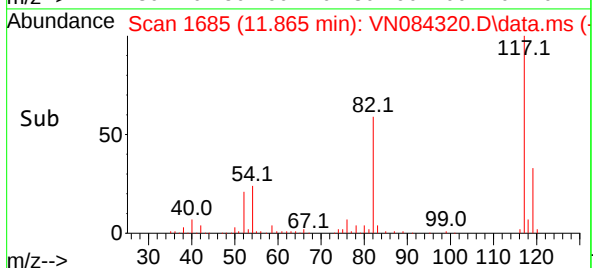
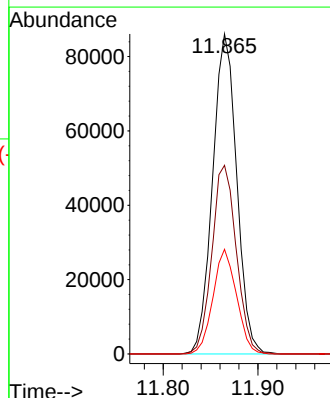
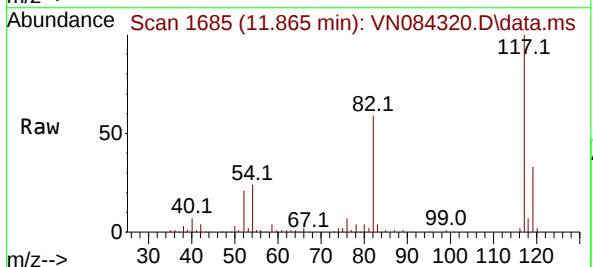
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

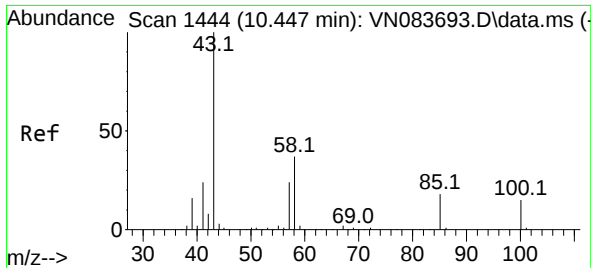
Tgt Ion: 43 Resp: 25355
Ion Ratio Lower Upper
43 100
61 19.3 25.0 37.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 117 Resp: 152426
Ion Ratio Lower Upper
117 100
82 59.6 46.6 69.8
119 31.9 25.4 38.2

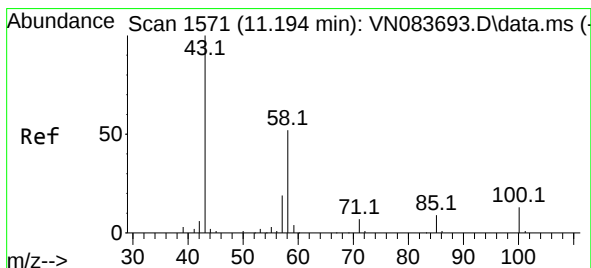
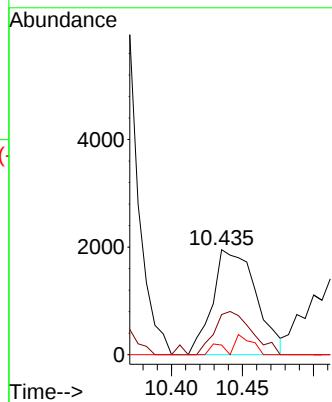
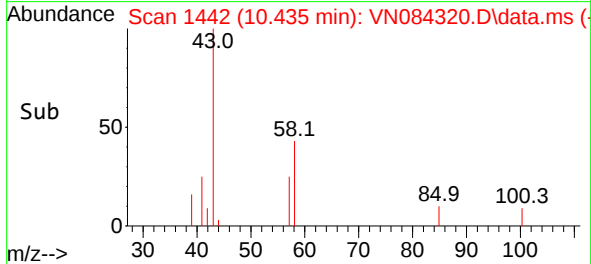
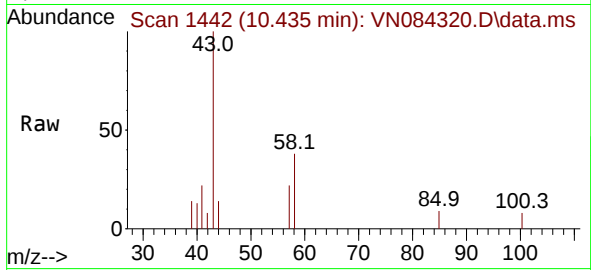




#58
4-Methyl-2-Pentanone
Concen: 1.722 ug/l
RT: 10.435 min Scan# 1444
Delta R.T. -0.012 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

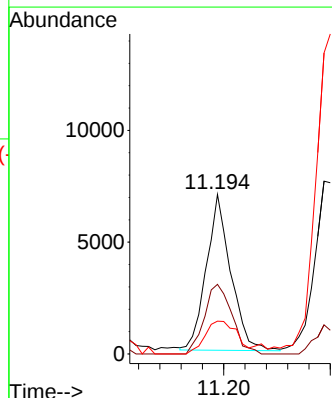
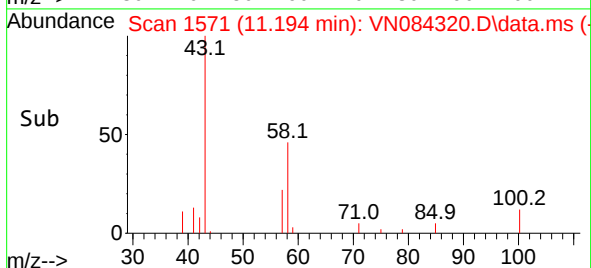
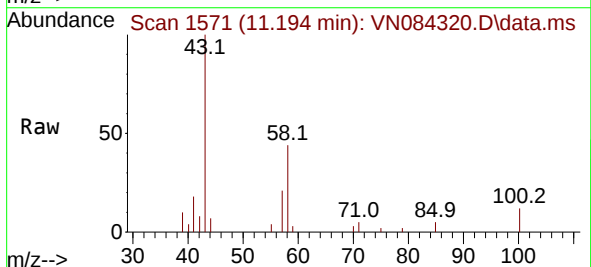
Instrument : MSVOA_N
ClientSampleId : EFF-Waste Water

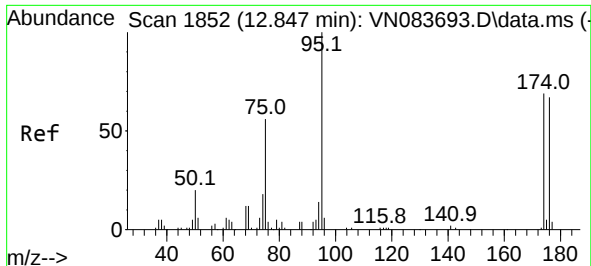
Tgt Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
58 35.5 36.5 54.7#
85 7.3 19.5 29.3#



#59
2-Hexanone
Concen: 6.085 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 43 Resp: 11113
Ion Ratio Lower Upper
43 100
58 50.1 50.4 75.6#
57 27.3 18.6 27.8

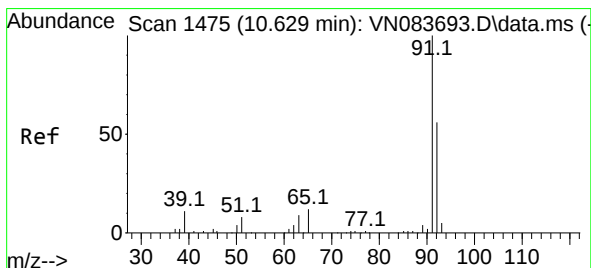
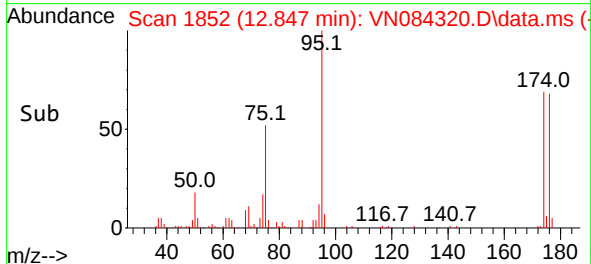
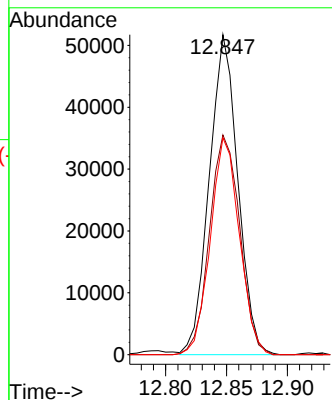
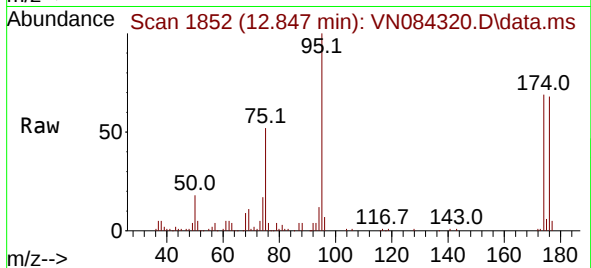




#60
4-Bromofluorobenzene
Concen: 32.183 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

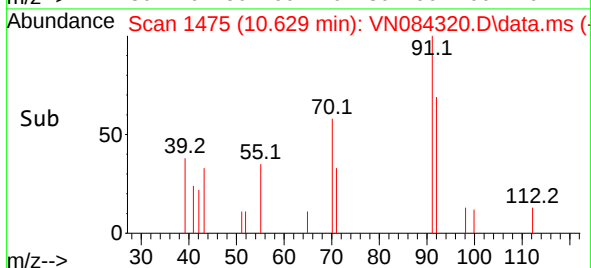
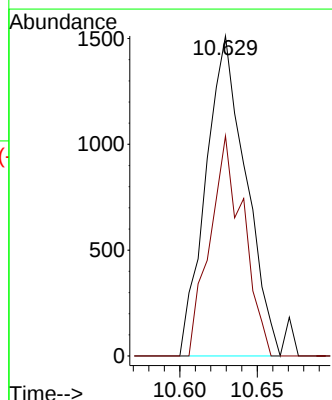
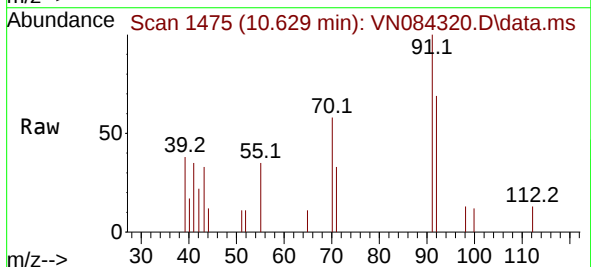
Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

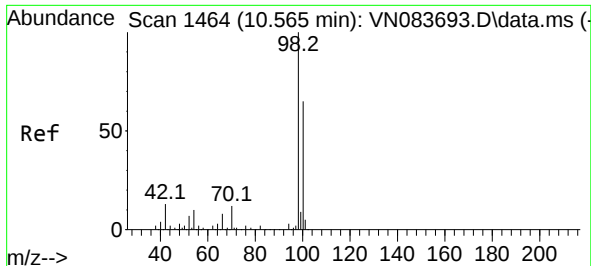
Tgt Ion: 95 Resp: 84545
Ion Ratio Lower Upper
95 100
174 72.6 60.5 90.7
176 68.8 57.8 86.6



#62
Toluene
Concen: 0.310 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion: 91 Resp: 2717
Ion Ratio Lower Upper
91 100
92 57.7 46.5 69.7

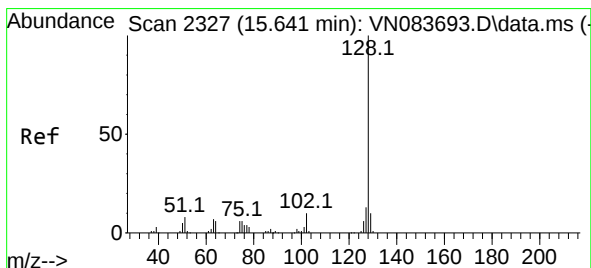
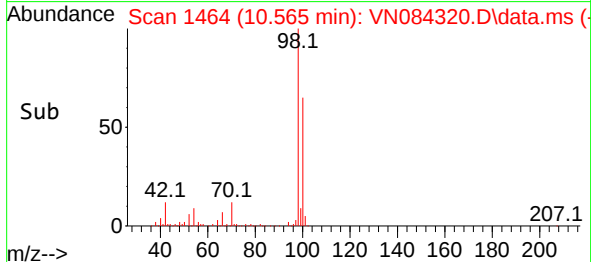
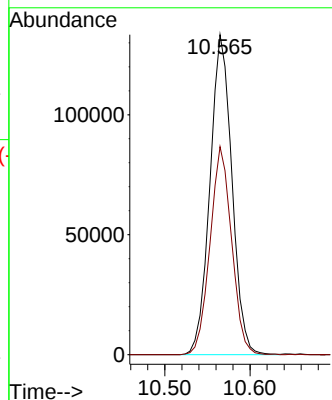
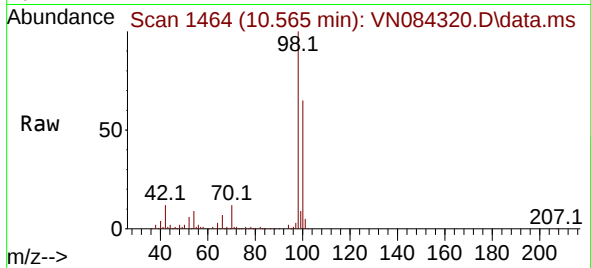




#63
Toluene-d8
Concen: 33.791 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Instrument :
MSVOA_N
ClientSampleId :
EFF-Waste Water

Tgt Ion: 98 Resp: 238496
Ion Ratio Lower Upper
98 100
100 63.8 52.7 79.1



#91
Naphthalene
Concen: 0.851 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN084320.D
Acq: 04 Oct 2024 17:32

Tgt Ion:128 Resp: 6120
Ion Ratio Lower Upper
128 100
127 25.2 10.6 16.0#
129 9.0 8.6 13.0

