

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081826.D
 Acq On : 22 Apr 2024 15:32
 Operator : JC\MD
 Sample : P2226-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROUND-WATER

Quant Time: Apr 23 06:57:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

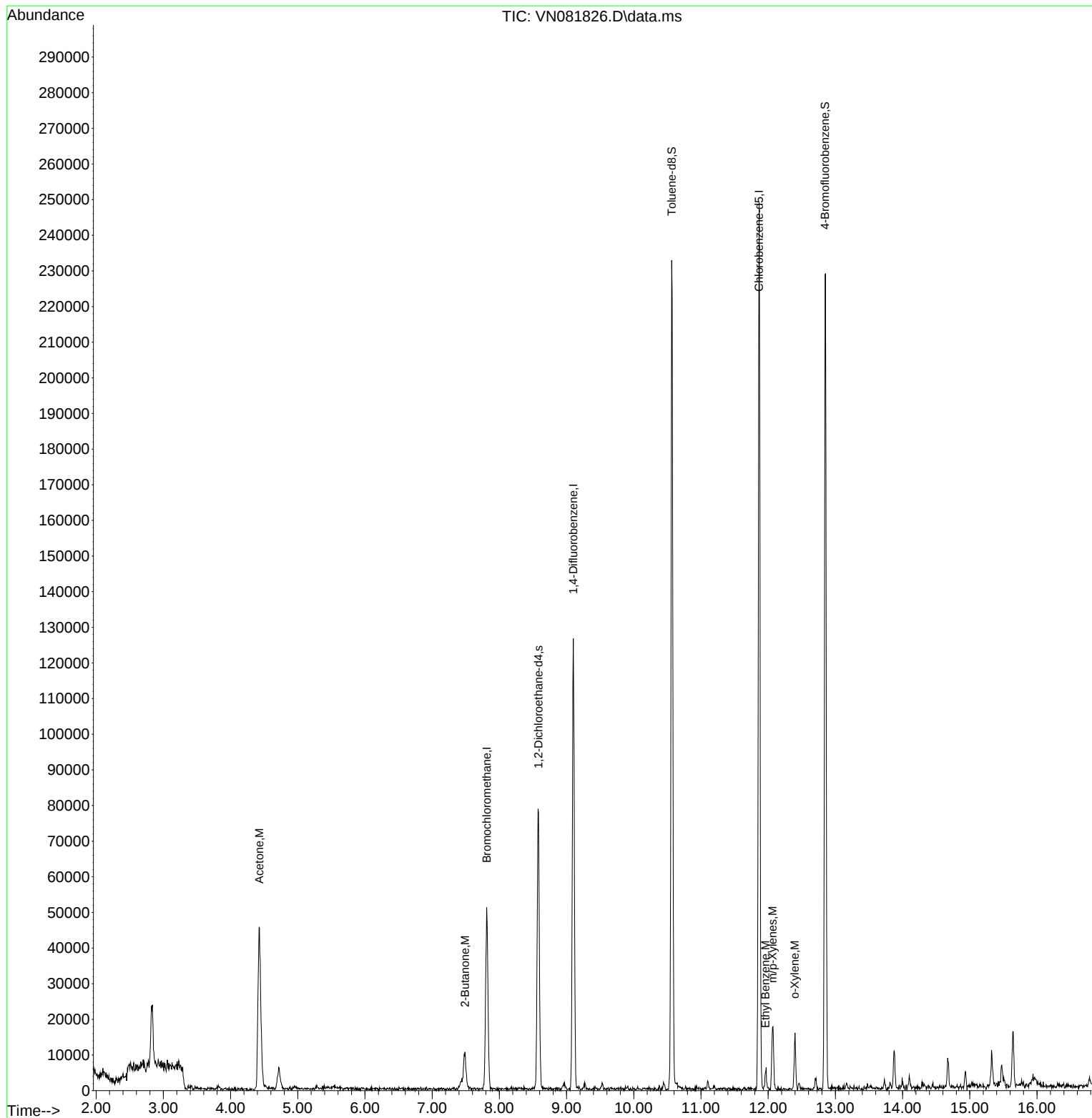
Internal Standards						
1) Bromochloromethane	7.812	128	16876	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	106382	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136183	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	61466	29.648	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.833%		
60) 4-Bromofluorobenzene	12.847	95	72574	27.106	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.367%		
63) Toluene-d8	10.565	98	158433	29.003	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.667%		
Target Compounds						
15) Acetone	4.430	58	26654	122.005	ug/l	Qvalue 72
30) 2-Butanone	7.488	43	16489	15.437	ug/l #	67
66) Ethyl Benzene	11.959	91	4548	0.432	ug/l #	82
67) m/p-Xylenes	12.065	106	5992	1.436	ug/l	97
68) o-Xylene	12.394	106	4672	1.179	ug/l	74

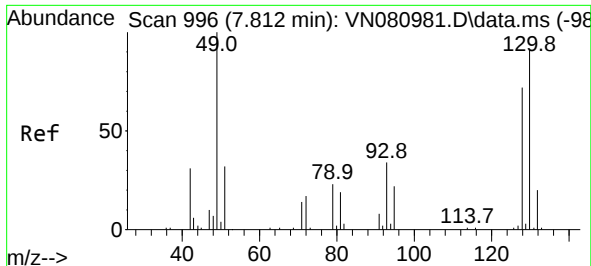
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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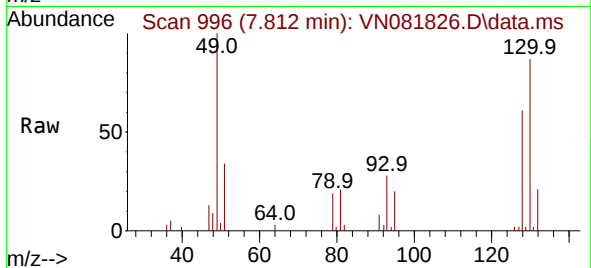
Quant Time: Apr 23 06:57:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



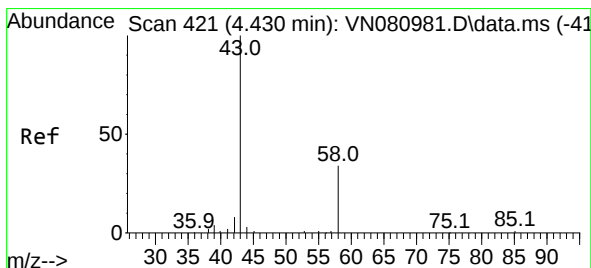
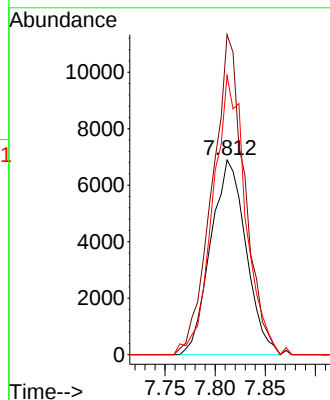
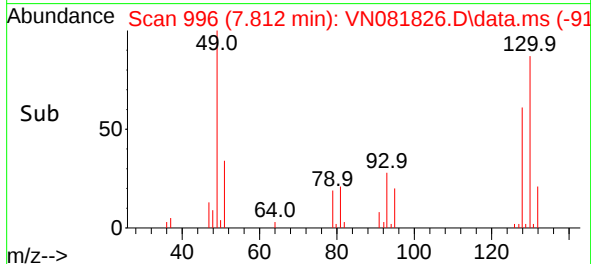


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

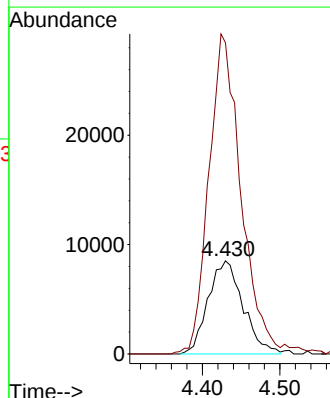
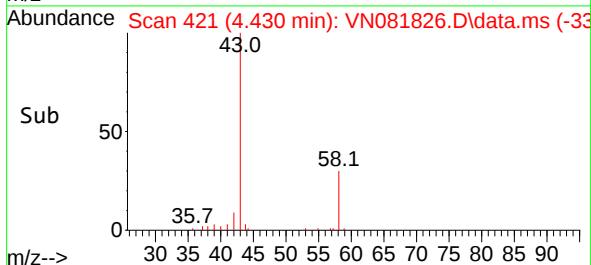
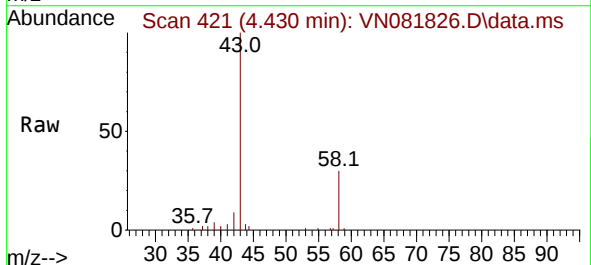


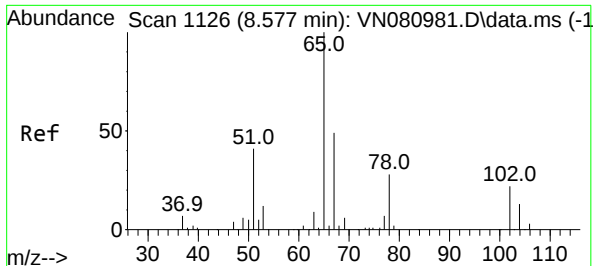
Tgt Ion:128 Resp: 16876
Ion Ratio Lower Upper
128 100
49 150.9 0.0 403.7
130 133.0 0.0 323.3



#15
Acetone
Concen: 122.005 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 58 Resp: 26654
Ion Ratio Lower Upper
58 100
43 331.4 223.1 334.7





#27

1,2-Dichloroethane-d4

Concen: 29.648 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

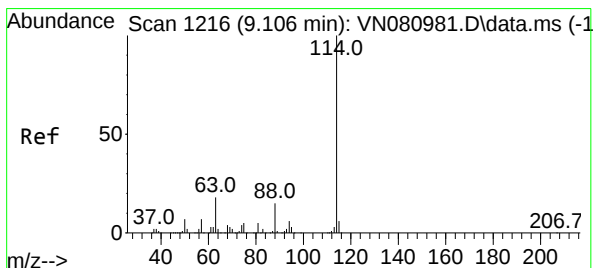
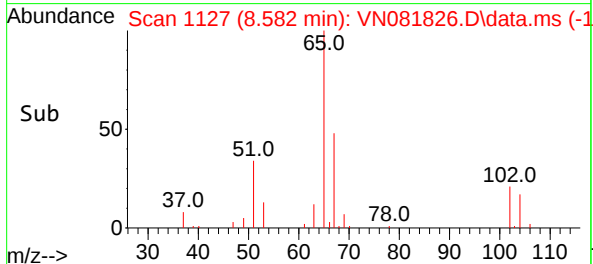
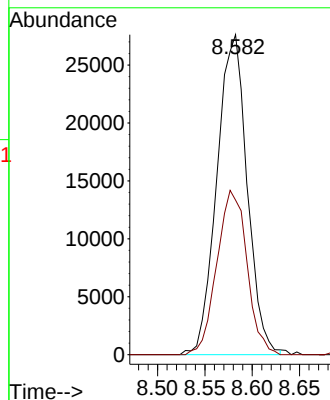
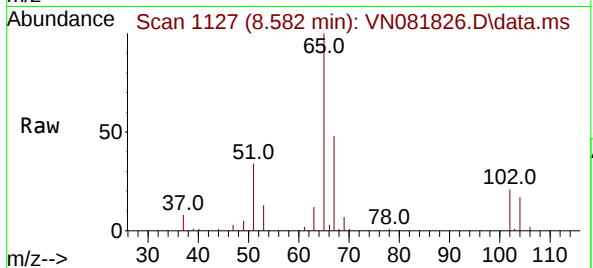
GROUND-WATER

Tgt Ion: 65 Resp: 61466

Ion Ratio Lower Upper

65 100

67 51.0 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081826.D

Acq: 22 Apr 2024 15:32

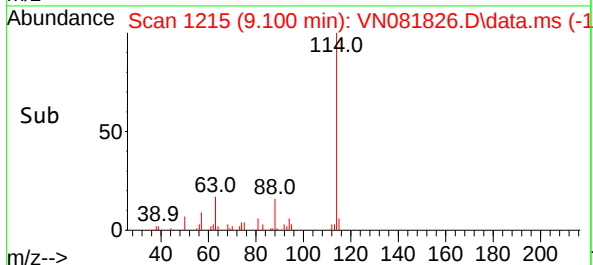
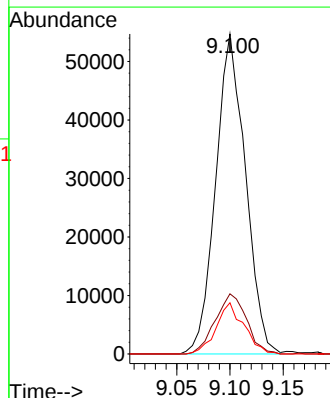
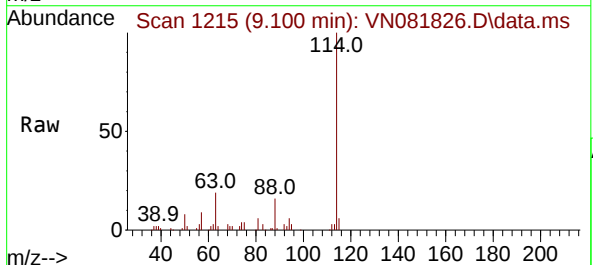
Tgt Ion: 114 Resp: 106382

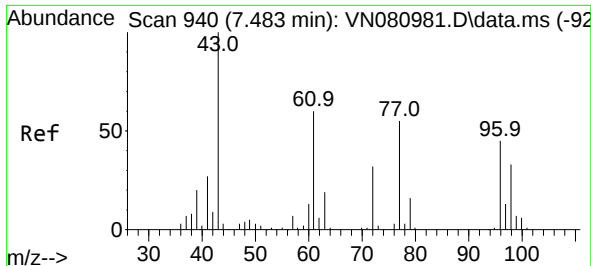
Ion Ratio Lower Upper

114 100

63 19.7 15.9 23.9

88 14.9 12.7 19.1

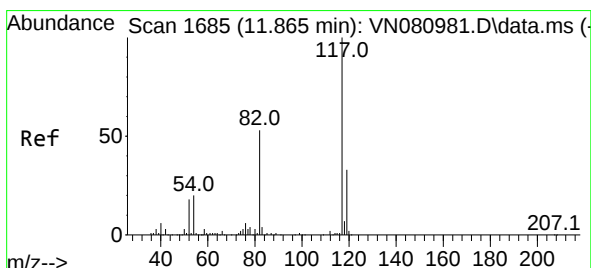
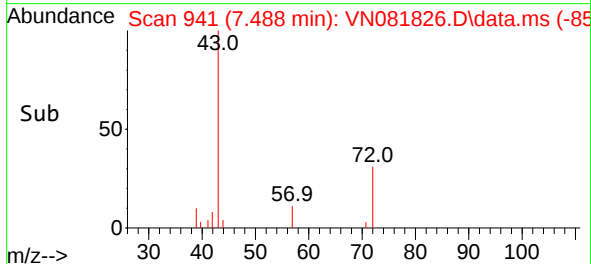
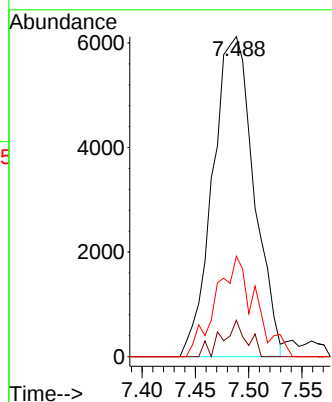
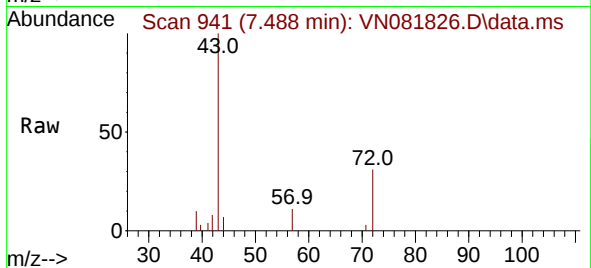




#30
2-Butanone
Concen: 15.437 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

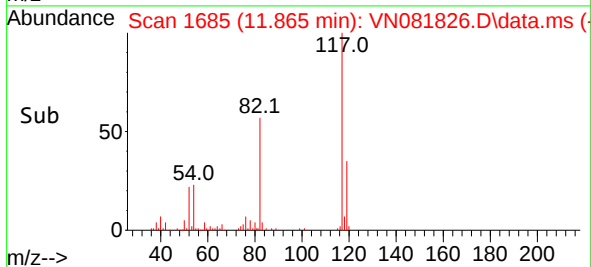
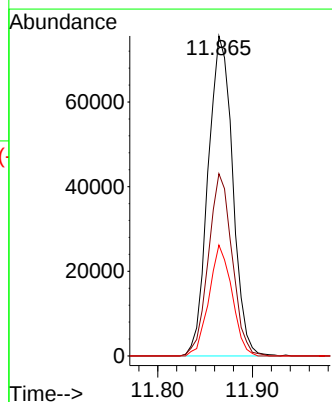
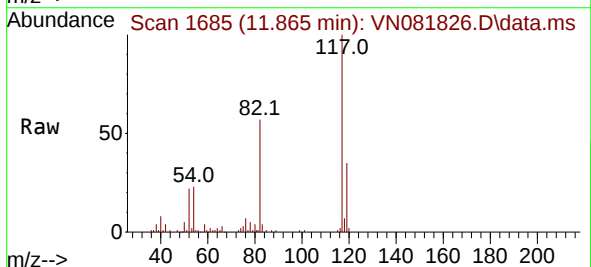
Instrument :
MSVOA_N
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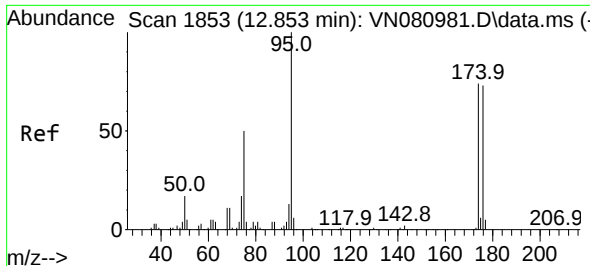
Tgt Ion: 43 Resp: 16489
Ion Ratio Lower Upper
43 100
57 3.6 6.7 10.1#
72 9.5 24.0 36.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion:117 Resp: 136183
Ion Ratio Lower Upper
117 100
82 55.1 46.6 69.8
119 32.4 25.4 38.2

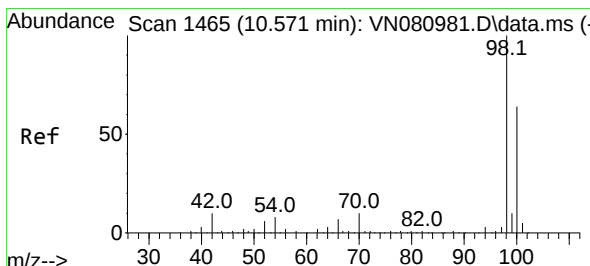
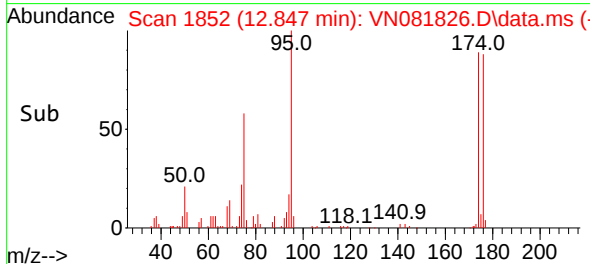
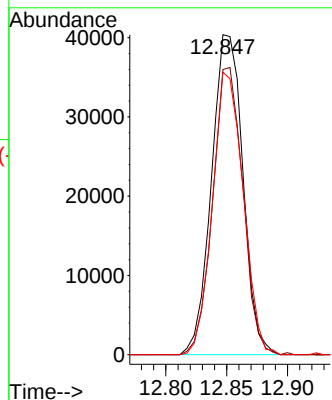
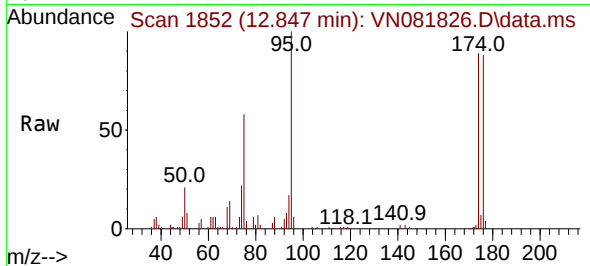




#60
4-Bromofluorobenzene
Concen: 27.106 ug/l
RT: 12.847 min Scan# 118
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

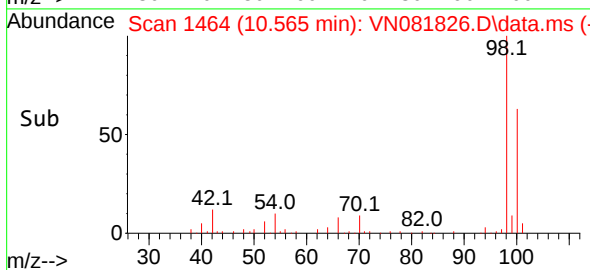
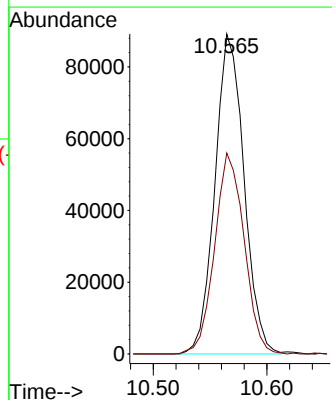
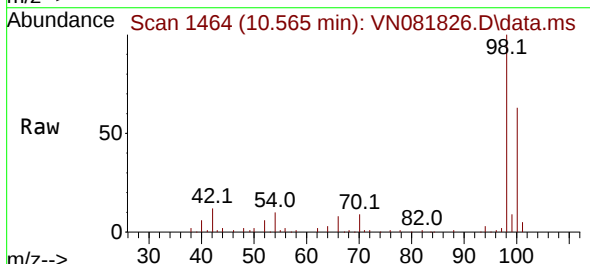
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

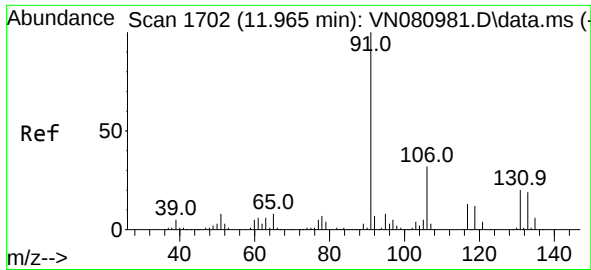
Tgt Ion: 95 Resp: 72574
Ion Ratio Lower Upper
95 100
174 85.9 60.5 90.7
176 86.1 57.8 86.6



#63
Toluene-d8
Concen: 29.003 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 98 Resp: 158433
Ion Ratio Lower Upper
98 100
100 63.6 52.7 79.1

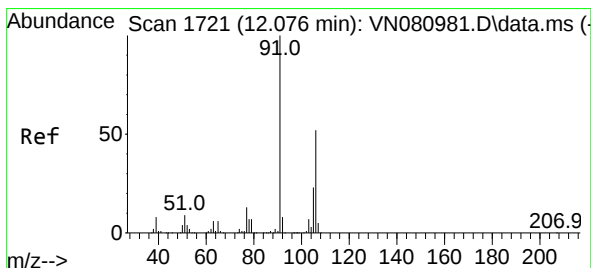
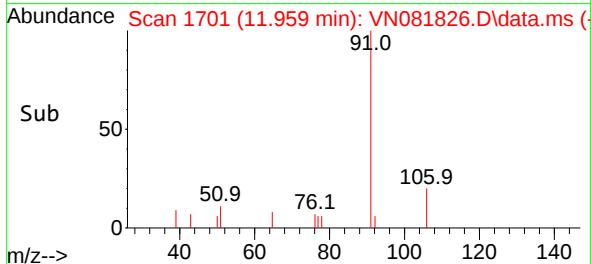
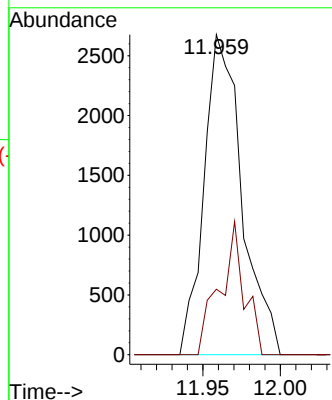
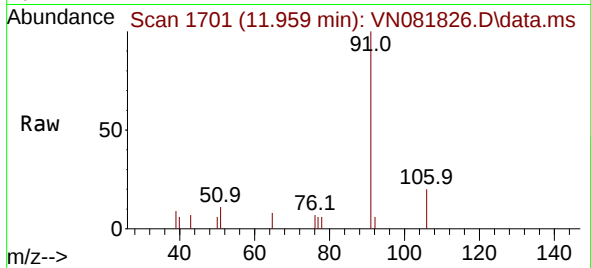




#66
Ethyl Benzene
Concen: 0.432 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

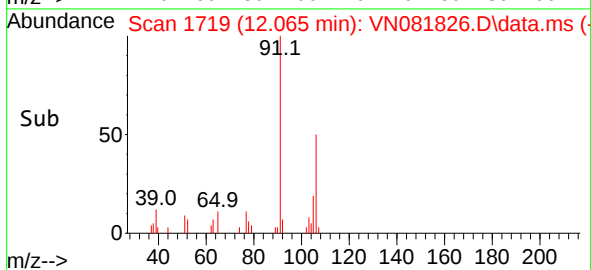
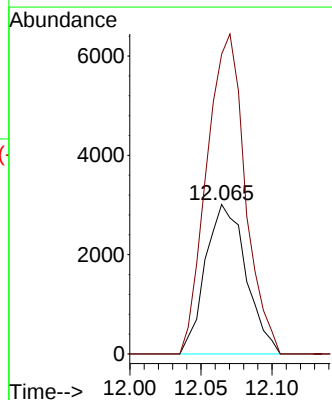
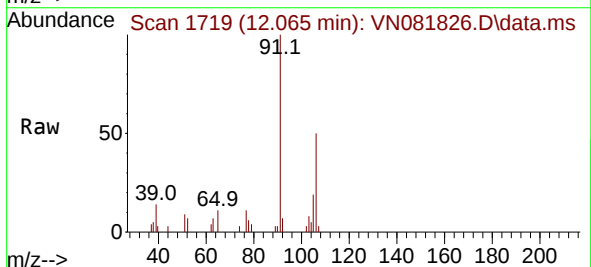
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

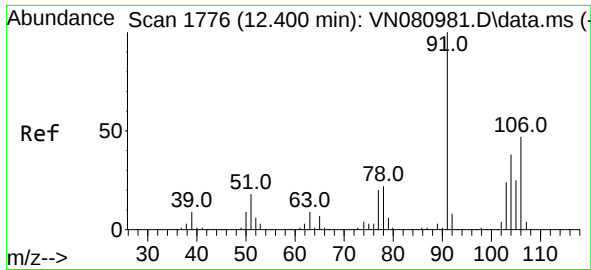
Tgt Ion: 91 Resp: 4548
Ion Ratio Lower Upper
91 100
106 20.4 24.4 36.6#



#67
m/p-Xylenes
Concen: 1.436 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081826.D
Acq: 22 Apr 2024 15:32

Tgt Ion: 106 Resp: 5992
Ion Ratio Lower Upper
106 100
91 203.1 166.6 249.8





#68

o-Xylene

Concen: 1.179 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081826.D

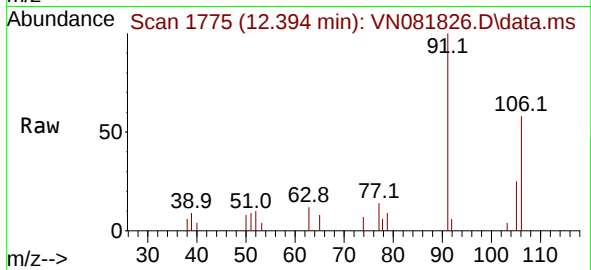
Acq: 22 Apr 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

GROUND-WATER



Tgt Ion:106 Resp: 4672

Ion Ratio Lower Upper

106 100

91 178.2 110.0 330.0

