

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
 Data File : VN077425.D
 Acq On : 21 Apr 2023 15:13
 Operator : JC\MD
 Sample : 02471-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Apr 22 02:40:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 07 13:04:49 2023
 Response via : Initial Calibration

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

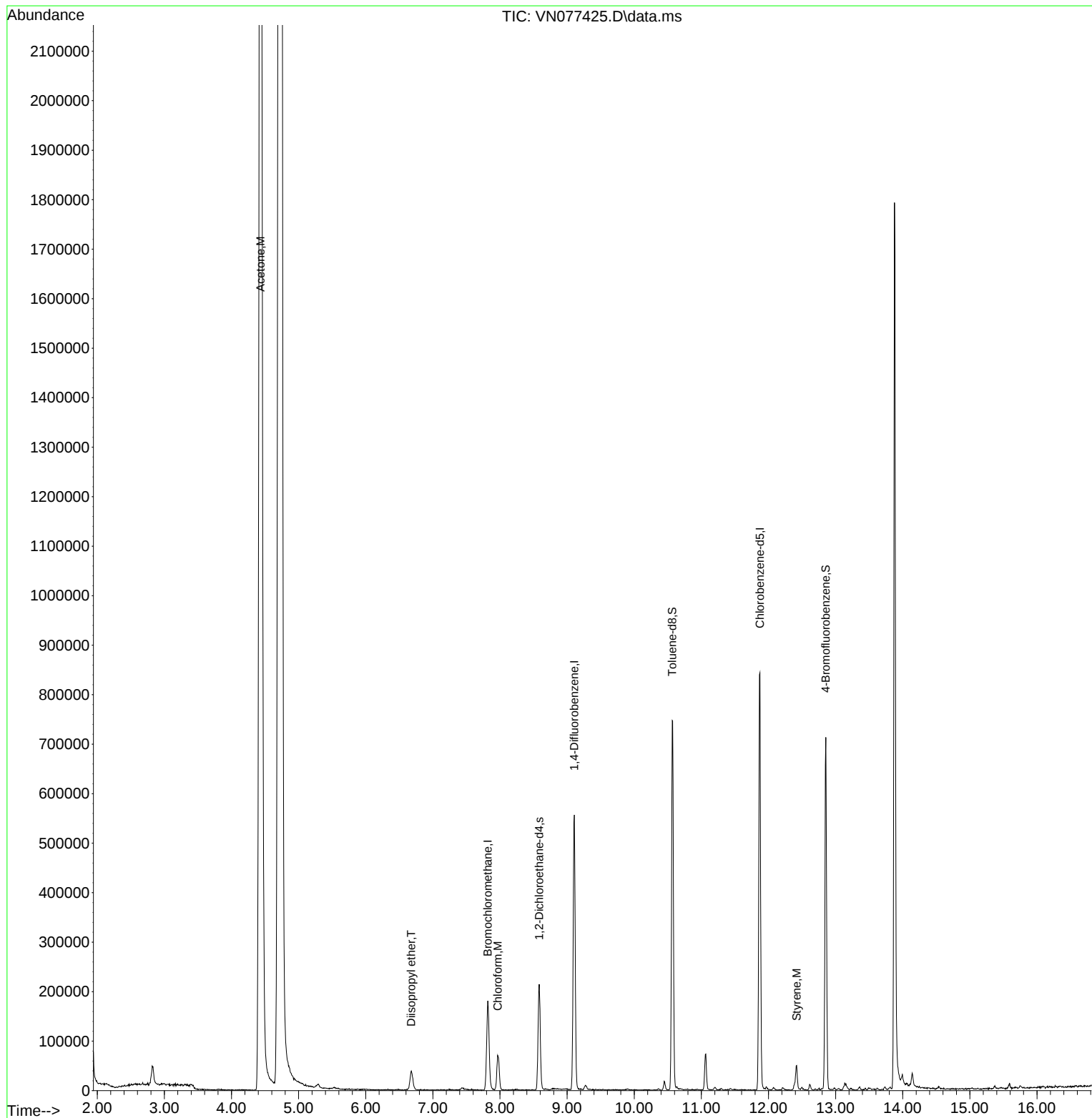
Internal Standards						
1) Bromochloromethane	7.819	128	69032	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	518258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	527123	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	170612	29.141	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.133%
60) 4-Bromofluorobenzene	12.854	95	245326	26.915	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.733%
63) Toluene-d8	10.566	98	554310	29.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.700%
Target Compounds						
					Qvalue	
15) Acetone	4.431	58	2617260	1947.487	ug/l	97
20) Diisopropyl ether	6.678	45	43972	1.970	ug/l	95
25) Chloroform	7.966	83	67905	4.430	ug/l	95
69) Styrene	12.418	104	26251	1.025	ug/l #	85

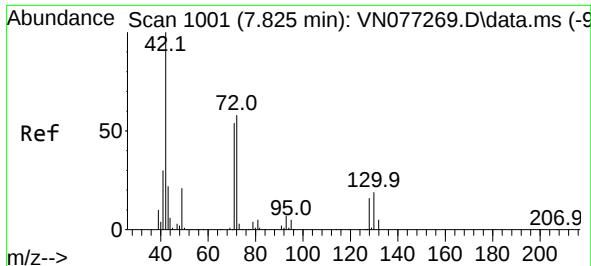
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042123\
Data File : VN077425.D
Acq On : 21 Apr 2023 15:13
Operator : JC\MD
Sample : 02471-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Apr 22 02:40:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 07 13:04:49 2023
Response via : Initial Calibration

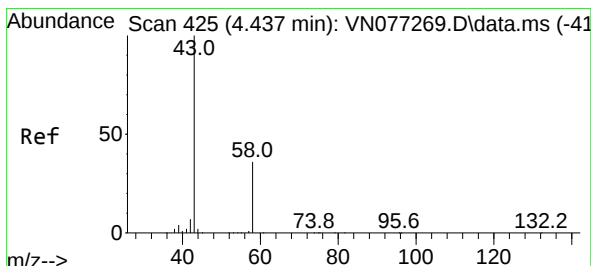
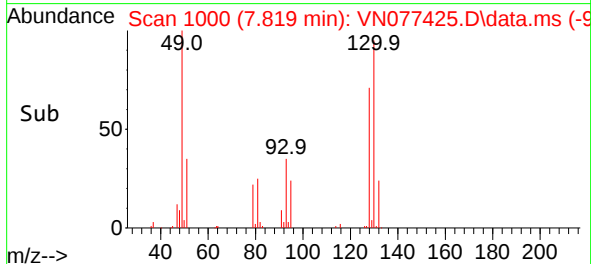
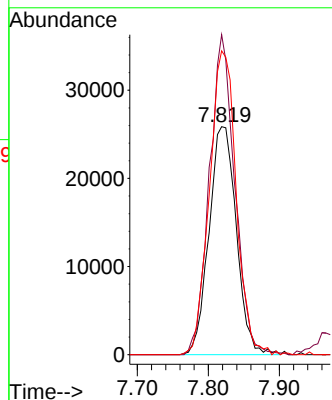
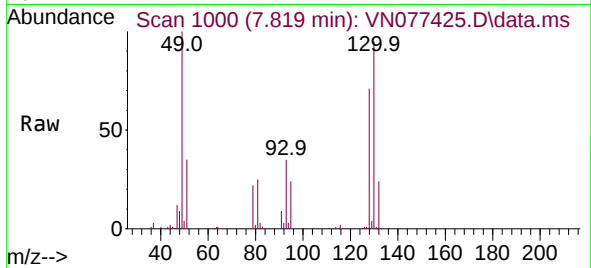




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077425.D
Acq: 21 Apr 2023 15:13

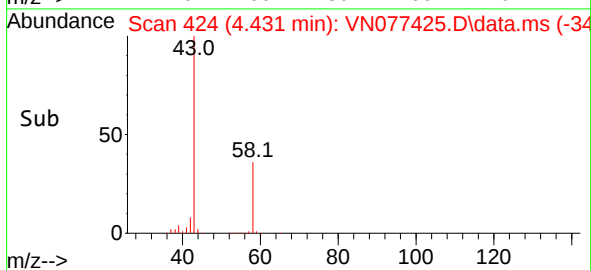
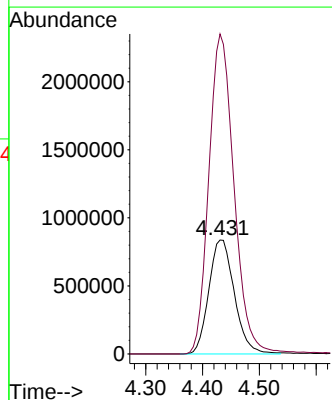
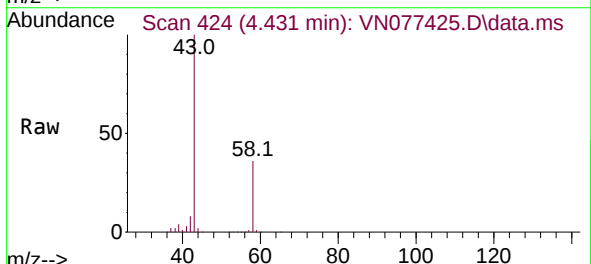
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

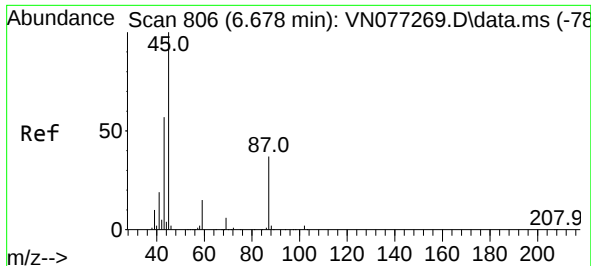
Tgt Ion:128 Resp: 69032
Ion Ratio Lower Upper
128 100
49 130.6 0.0 379.5
130 130.6 0.0 322.8



#15
Acetone
Concen: 1947.487 ug/l
RT: 4.431 min Scan# 424
Delta R.T. -0.006 min
Lab File: VN077425.D
Acq: 21 Apr 2023 15:13

Tgt Ion: 58 Resp: 2617260
Ion Ratio Lower Upper
58 100
43 281.0 220.9 331.3

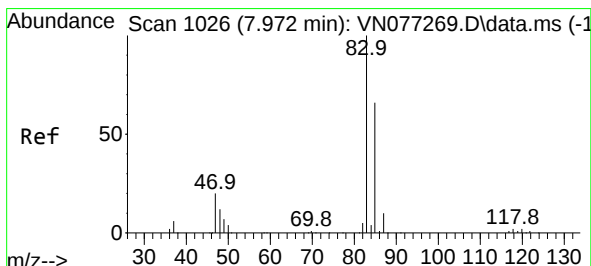
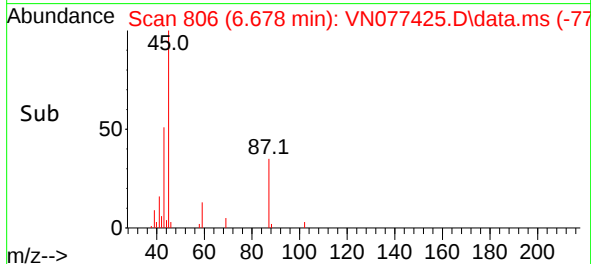
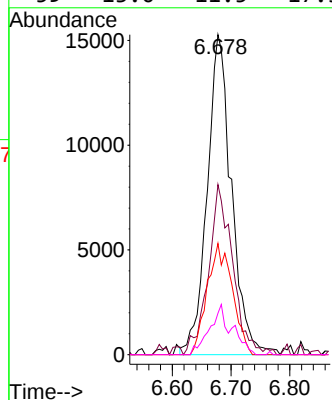
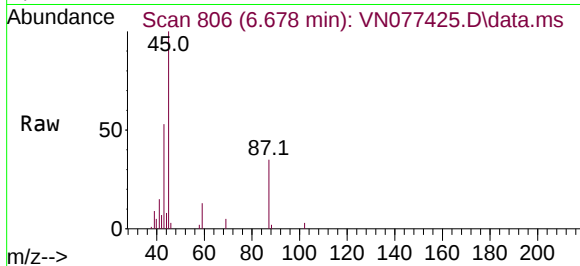




#20
Diisopropyl ether
Concen: 1.970 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.000 min
Lab File: VN077425.D
Acq: 21 Apr 2023 15:13

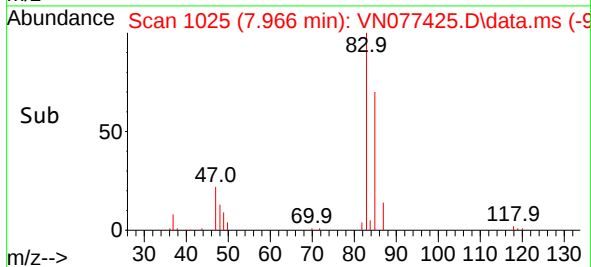
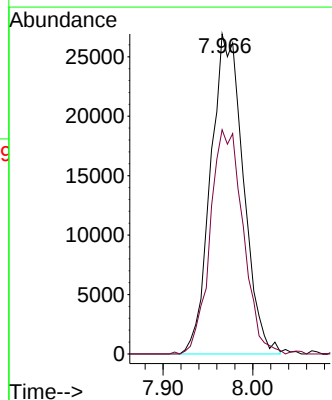
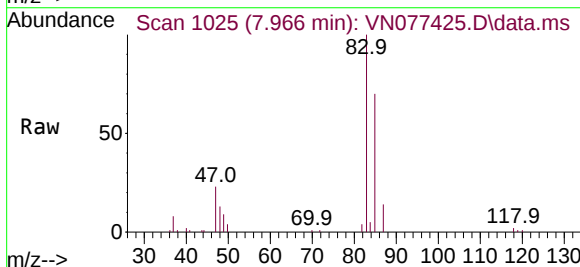
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

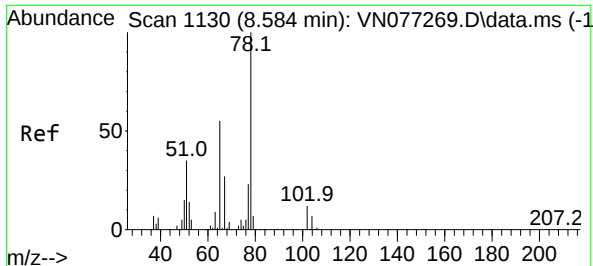
Tgt Ion: 45	Resp: 43972
Ion Ratio	Lower Upper
45 100	
43 53.1	45.9 68.9
87 34.7	30.1 45.1
59 13.0	11.5 17.3



#25
Chloroform
Concen: 4.430 ug/l
RT: 7.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN077425.D
Acq: 21 Apr 2023 15:13

Tgt Ion: 83	Resp: 67905
Ion Ratio	Lower Upper
83 100	
85 70.0	52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 29.141 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

Instrument :

MSVOA_N

ClientSampleId :

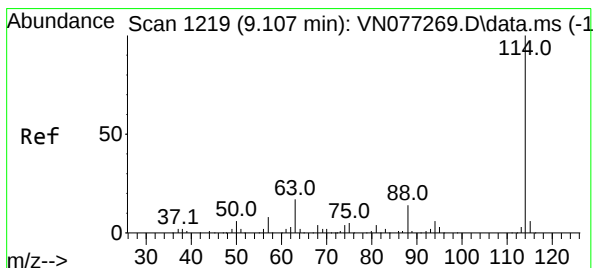
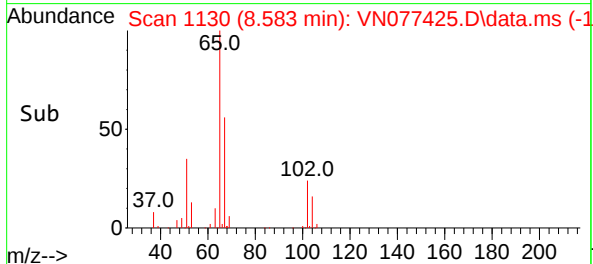
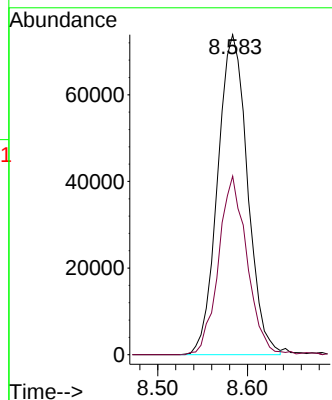
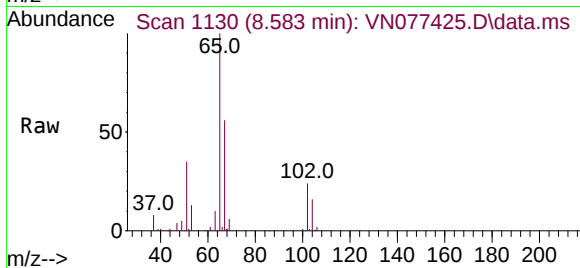
EFF-WW

Tgt Ion: 65 Resp: 170612

Ion Ratio Lower Upper

65 100

67 53.0 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

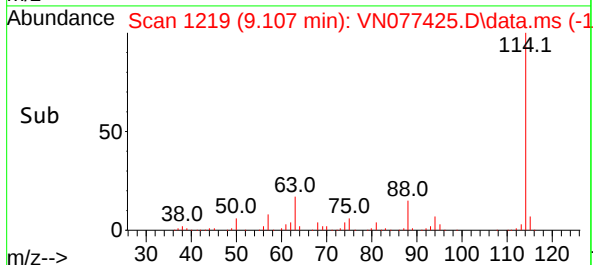
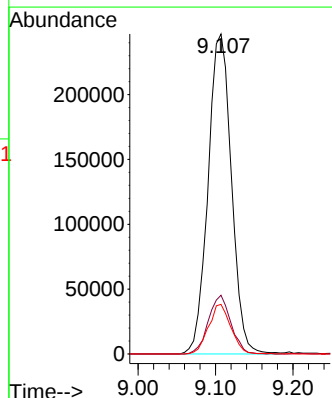
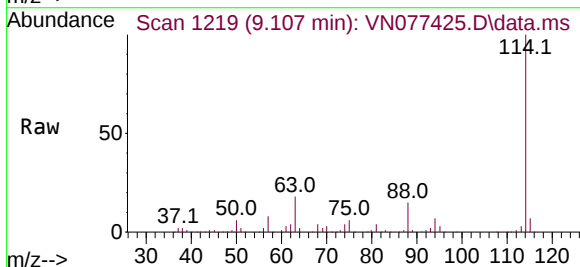
Tgt Ion: 114 Resp: 518258

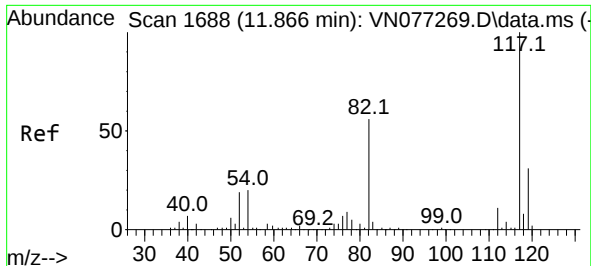
Ion Ratio Lower Upper

114 100

63 17.6 15.0 22.4

88 14.8 11.9 17.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 117

Delta R.T. 0.005 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

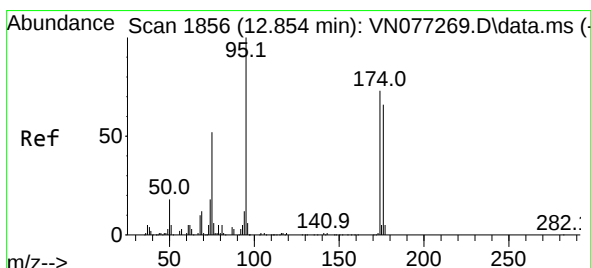
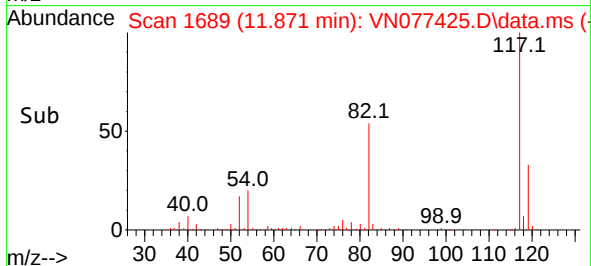
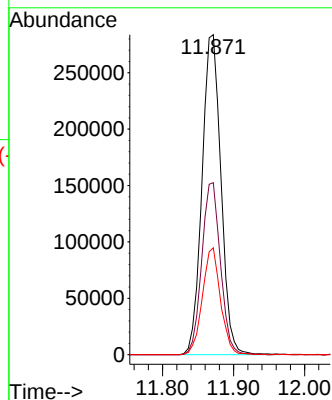
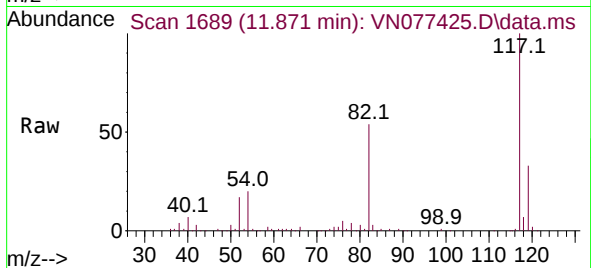
Tgt Ion:117 Resp: 527123

Ion Ratio Lower Upper

117 100

82 53.0 43.8 65.8

119 31.9 25.4 38.0



#60

4-Bromofluorobenzene

Concen: 26.915 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

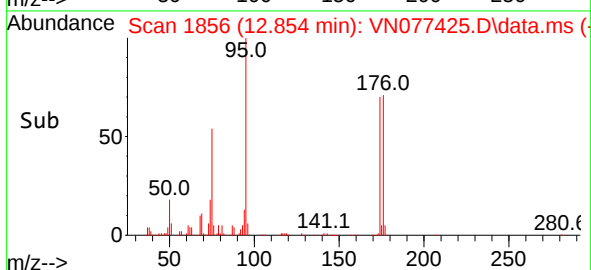
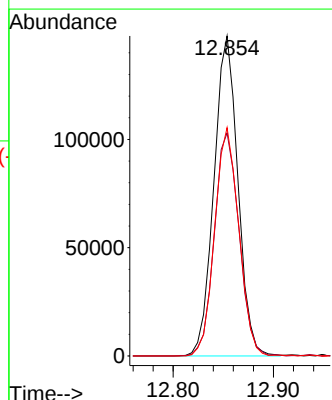
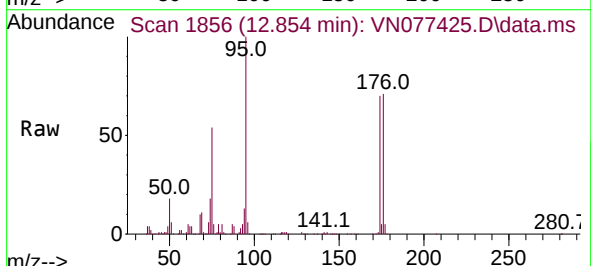
Tgt Ion: 95 Resp: 245326

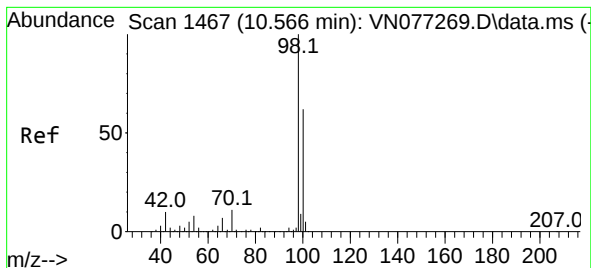
Ion Ratio Lower Upper

95 100

174 71.7 57.8 86.8

176 71.8 54.6 81.8





#63

Toluene-d8

Concen: 29.913 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.000 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

Instrument :

MSVOA_N

ClientSampleId :

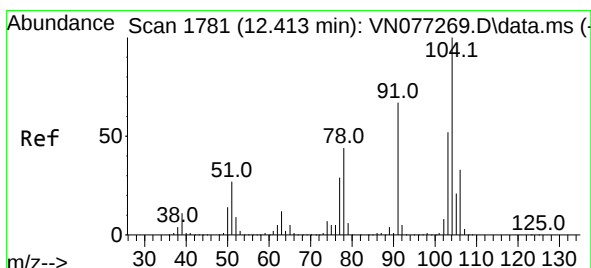
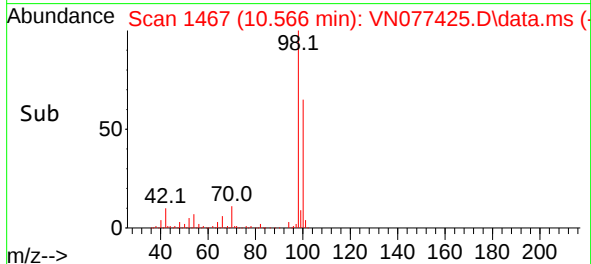
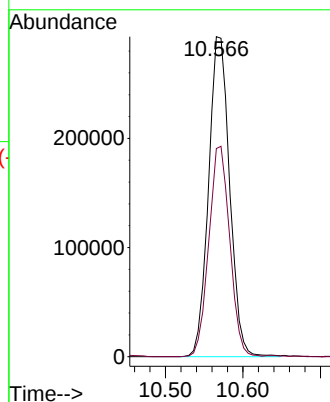
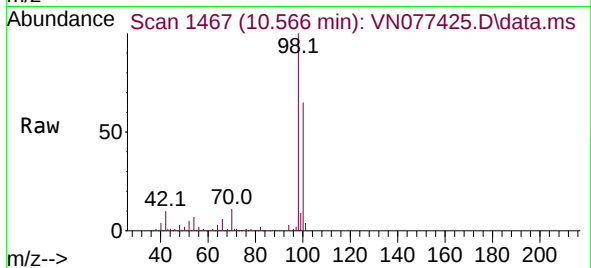
EFF-WW

Tgt Ion: 98 Resp: 554310

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.2



#69

Styrene

Concen: 1.025 ug/l

RT: 12.418 min Scan# 1782

Delta R.T. 0.005 min

Lab File: VN077425.D

Acq: 21 Apr 2023 15:13

Tgt Ion:104 Resp: 26251

Ion Ratio Lower Upper

104 100

78 38.2 38.2 57.4#

103 43.3 43.6 65.4#

