

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041547.D
 Acq On : 15 May 2024 18:15
 Operator : JC/MD
 Sample : P2464-01RE 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: May 16 05:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

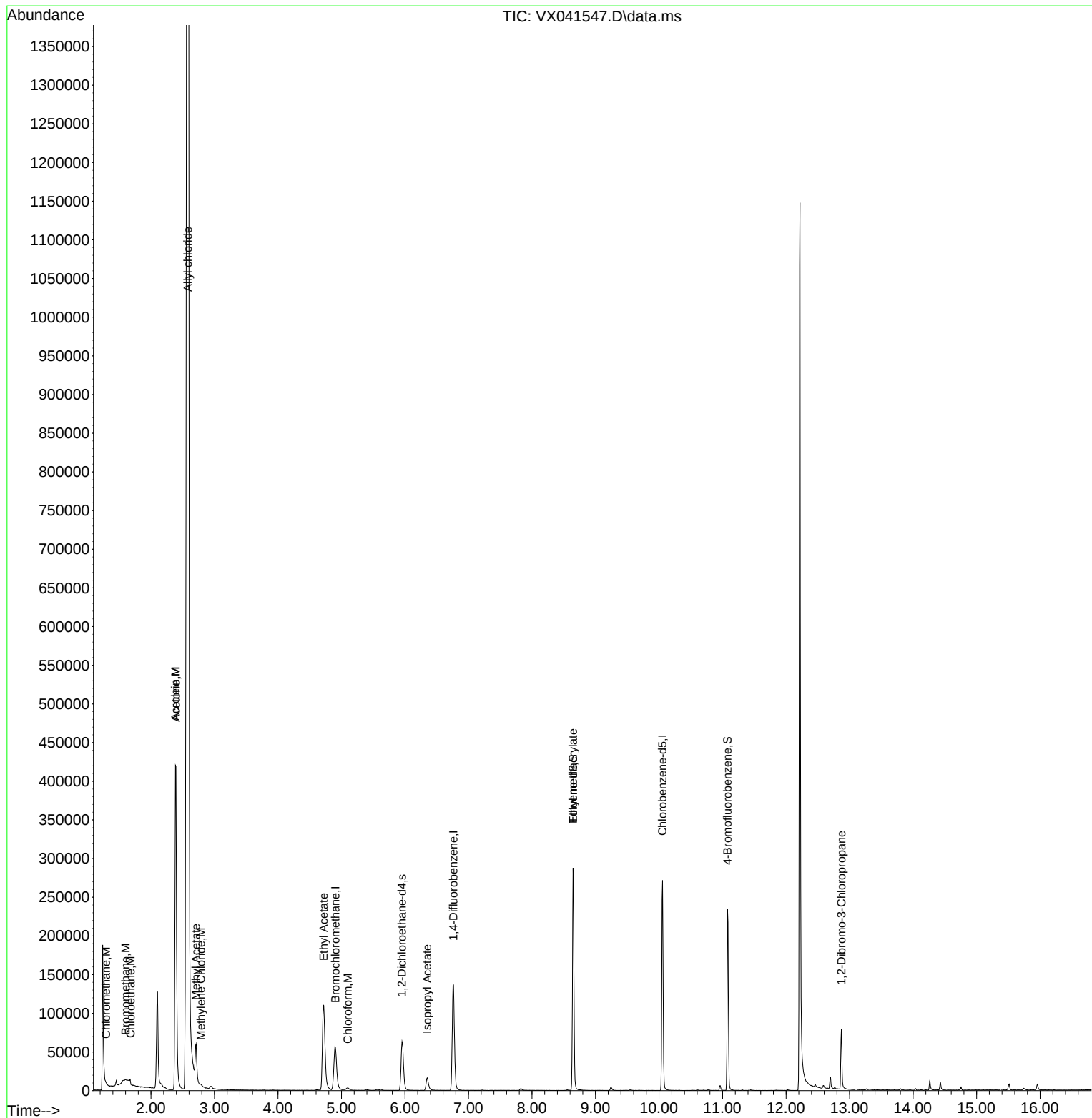
Internal Standards						
1) Bromochloromethane	4.903	128	27046	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	148843	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132300	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63529	29.828	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	11.079	95	60235	29.165	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.233%
63) Toluene-d8	8.647	98	170310	30.031	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	480	0.310	ug/l #	83
5) Bromomethane	1.599	94	281	0.271	ug/l	97
6) Chloroethane	1.678	64	1211	1.469	ug/l #	52
12) Methyl Acetate	2.709	43	61692	29.603	ug/l	100
13) Acrolein	2.386	56	74	0.292	ug/l #	1
15) Acetone	2.392	58	145855	594.124	ug/l	98
17) Allyl chloride	2.581	41	375634	152.968	ug/l #	73
18) Methylene Chloride	2.788	84	953	0.579	ug/l	88
25) Chloroform	5.098	83	4113	1.333	ug/l	91
43) Ethyl Acetate	4.720	43	196608	77.969	ug/l	98
44) Isopropyl Acetate	6.348	43	23794	6.242	ug/l	98
51) Ethyl methacrylate	8.647	69	567	0.219	ug/l	78
88) 1,2-Dibromo-3-Chloropr...	12.871	75	2018	3.679	ug/l #	1

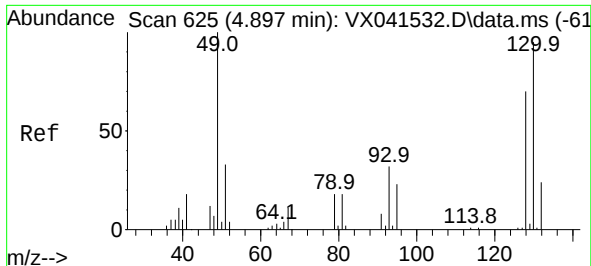
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
Data File : VX041547.D
Acq On : 15 May 2024 18:15
Operator : JC/MD
Sample : P2464-01RE 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Quant Time: May 16 05:29:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration

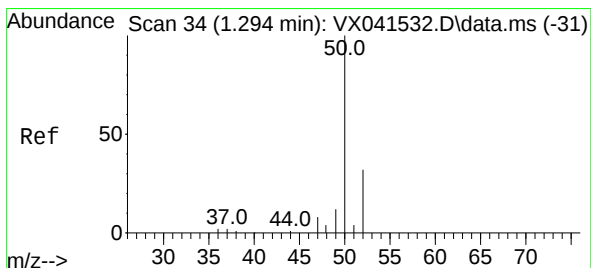
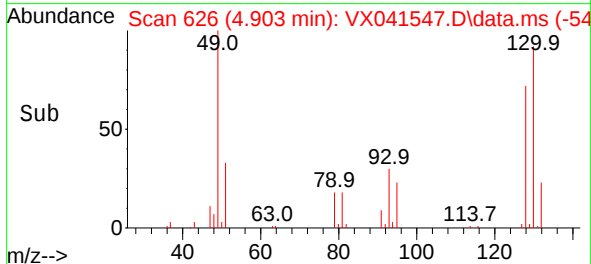
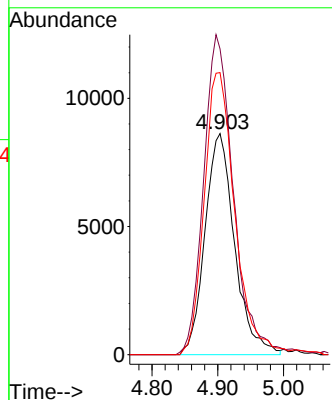
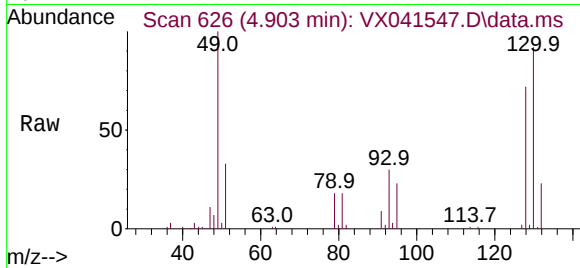




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

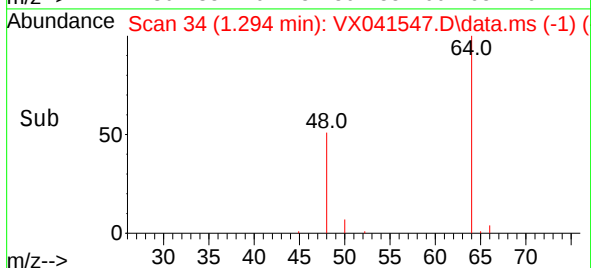
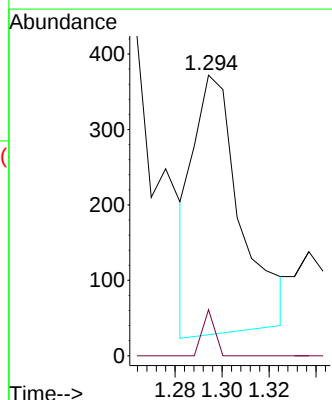
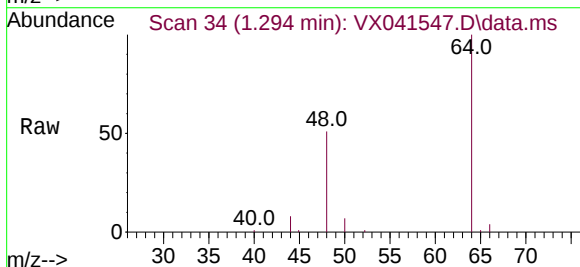
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

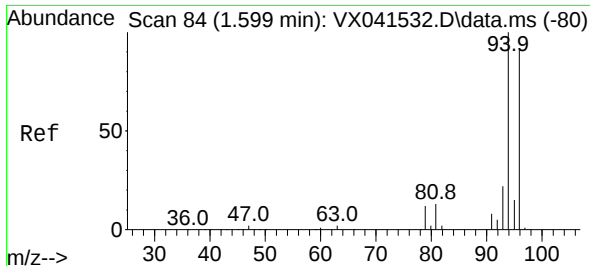
Tgt Ion:128 Resp: 27046
Ion Ratio Lower Upper
128 100
49 144.5 0.0 361.5
130 129.7 0.0 324.3



#3
Chloromethane
Concen: 0.310 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

Tgt Ion: 50 Resp: 480
Ion Ratio Lower Upper
50 100
52 22.8 25.8 38.8#

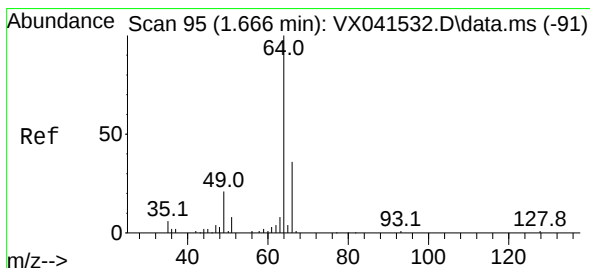
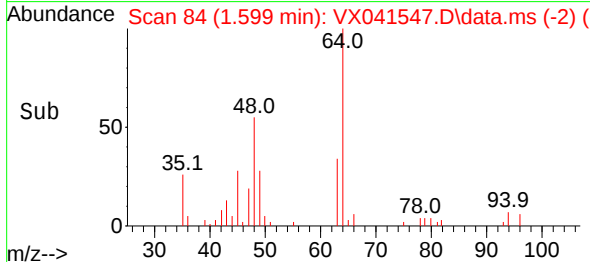
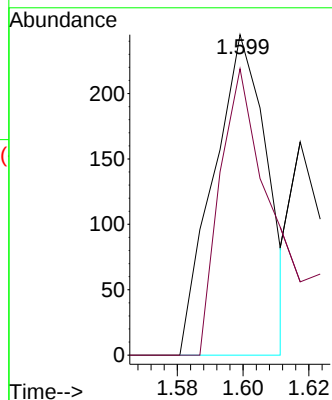
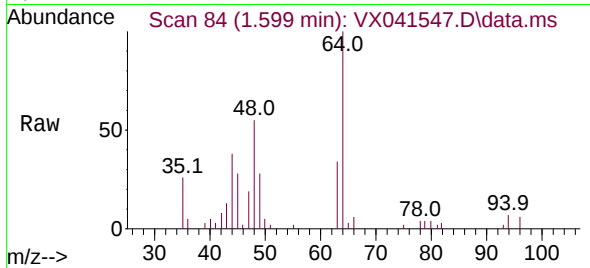




#5
Bromomethane
Concen: 0.271 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

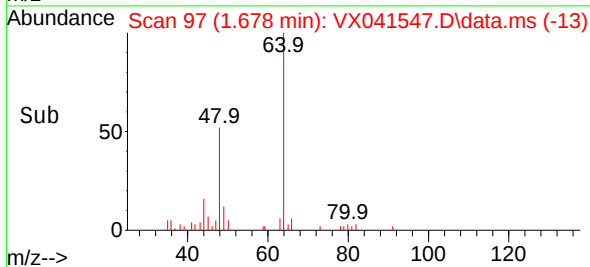
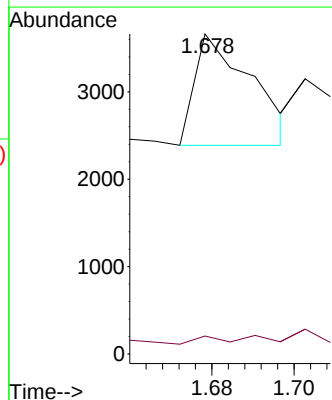
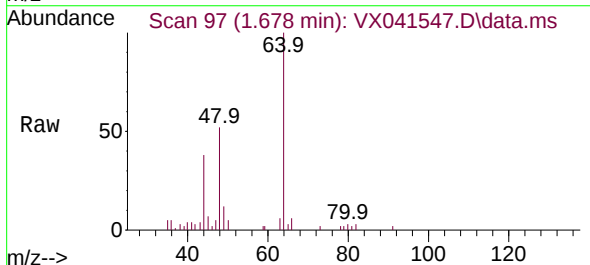
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

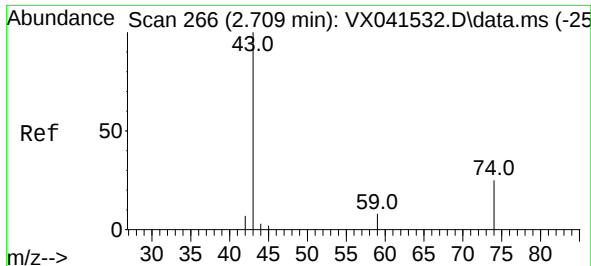
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 89.4 73.9 110.9



#6
Chloroethane
Concen: 1.469 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

Tgt Ion: 64 Resp: 1211
Ion Ratio Lower Upper
64 100
66 7.5 28.6 42.8#





#12

Methyl Acetate

Concen: 29.603 ug/l

RT: 2.709 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041547.D

Acq: 15 May 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

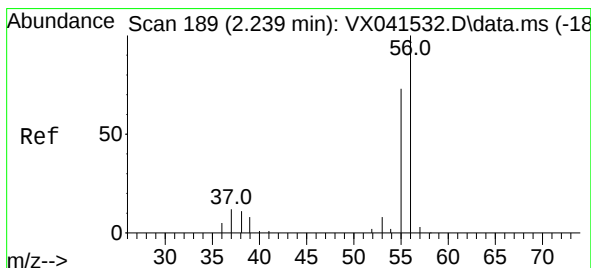
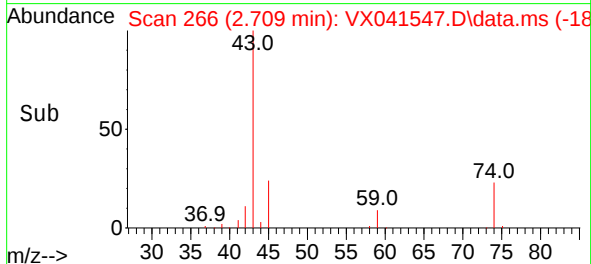
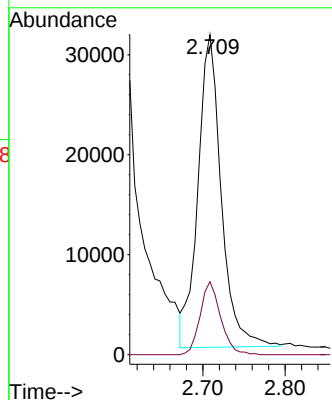
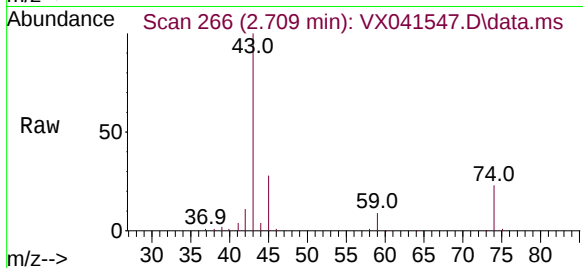
EFF-WW

Tgt Ion: 43 Resp: 61692

Ion Ratio Lower Upper

43 100

74 24.8 19.9 29.9



#13

Acrolein

Concen: 0.292 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.146 min

Lab File: VX041547.D

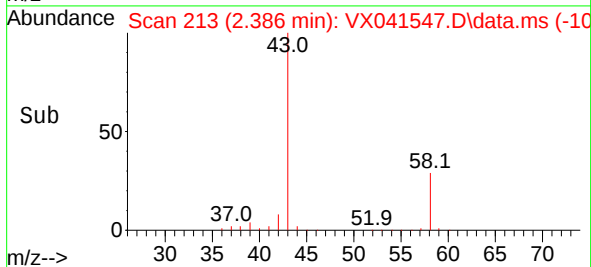
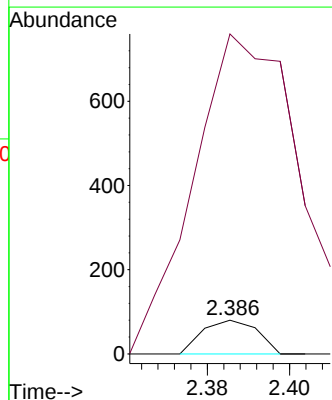
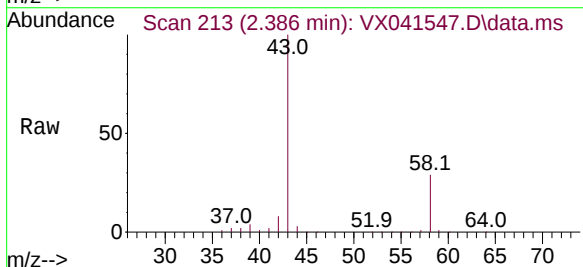
Acq: 15 May 2024 18:15

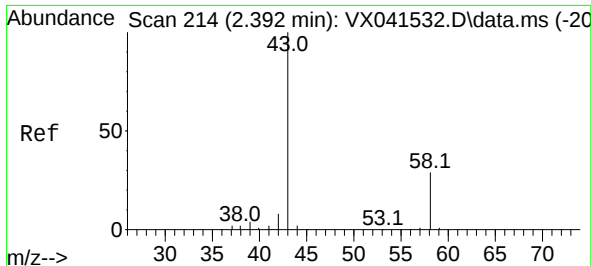
Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 1897.3 55.1 82.7#

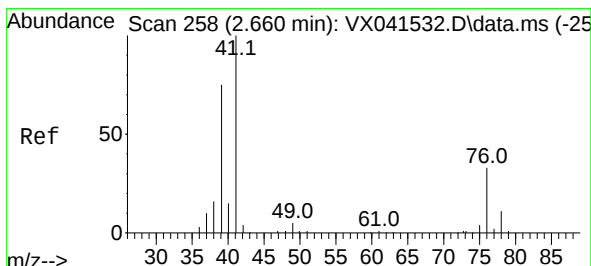
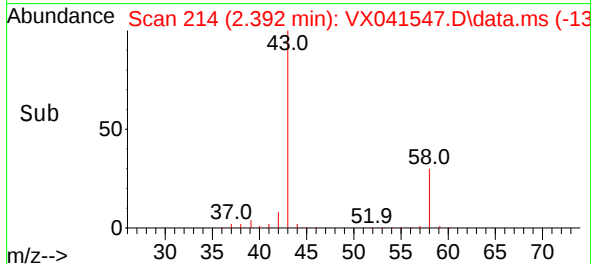
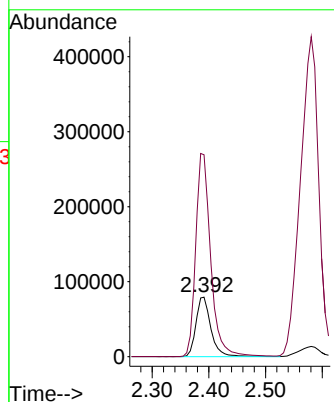
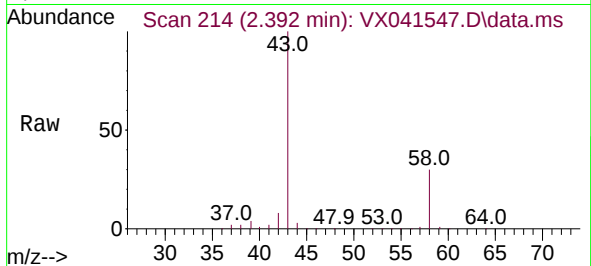




#15
Acetone
Concen: 594.124 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

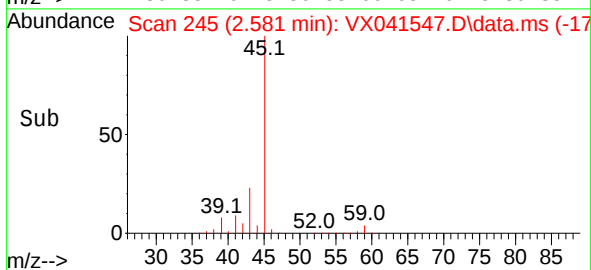
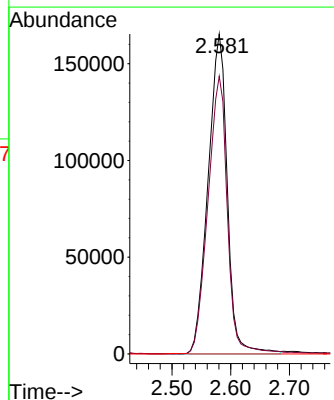
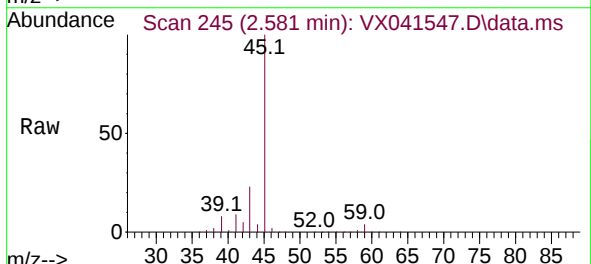
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

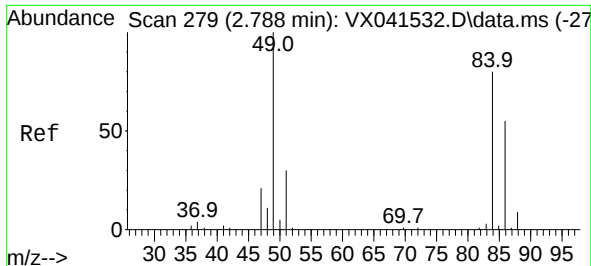
Tgt Ion: 58 Resp: 145855
Ion Ratio Lower Upper
58 100
43 338.6 274.0 411.0



#17
Allyl chloride
Concen: 152.968 ug/l
RT: 2.581 min Scan# 245
Delta R.T. -0.079 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

Tgt Ion: 41 Resp: 375634
Ion Ratio Lower Upper
41 100
39 86.8 37.5 112.7
76 0.0 16.6 49.8#





#18

Methylene Chloride

Concen: 0.579 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX041547.D

Acq: 15 May 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tgt Ion: 84 Resp: 953

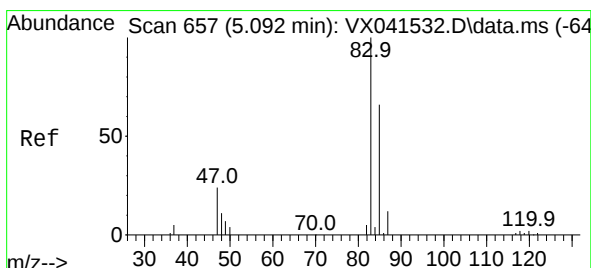
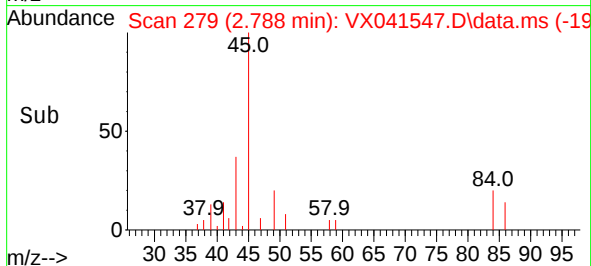
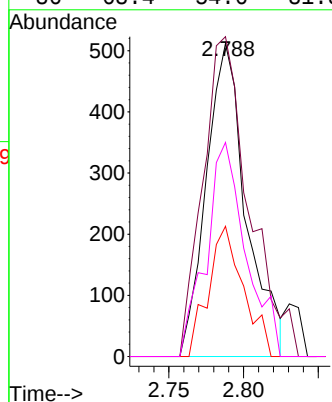
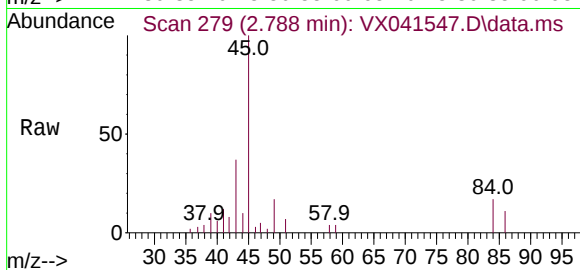
Ion Ratio Lower Upper

84 100

49 102.1 99.8 149.8

51 41.6 30.2 45.4

86 68.4 54.6 81.8



#25

Chloroform

Concen: 1.333 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX041547.D

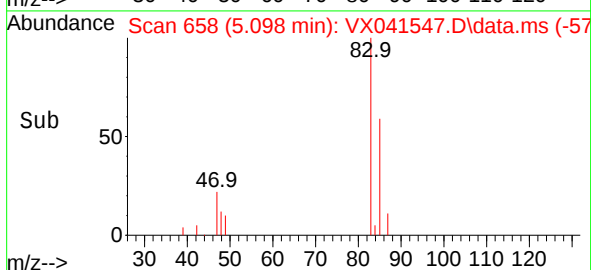
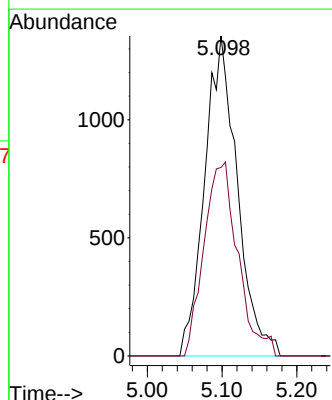
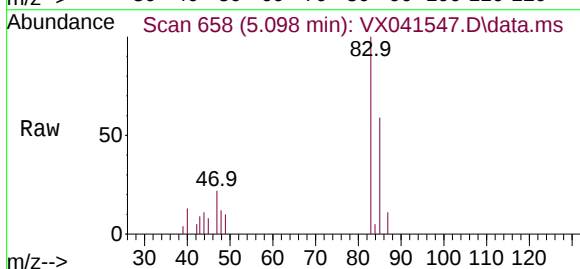
Acq: 15 May 2024 18:15

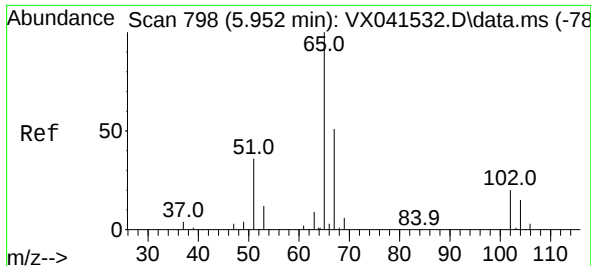
Tgt Ion: 83 Resp: 4113

Ion Ratio Lower Upper

83 100

85 58.9 52.9 79.3

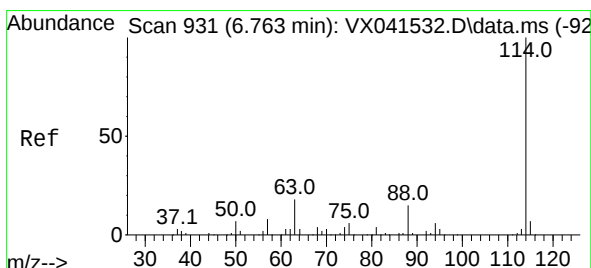
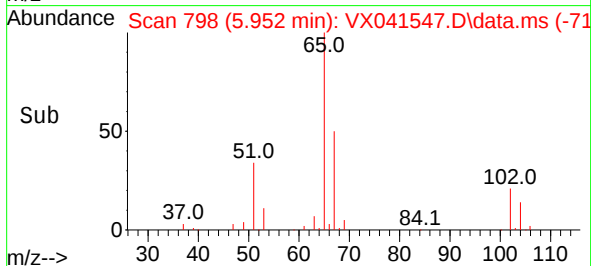
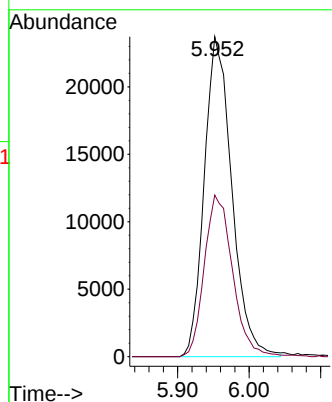
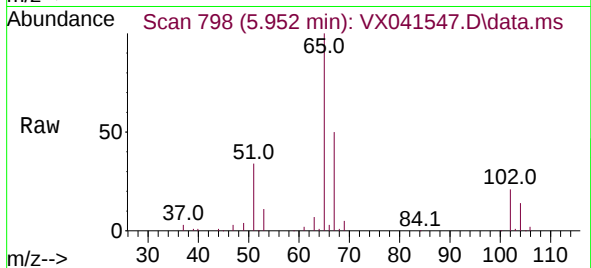




#27
1,2-Dichloroethane-d4
Concen: 29.828 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

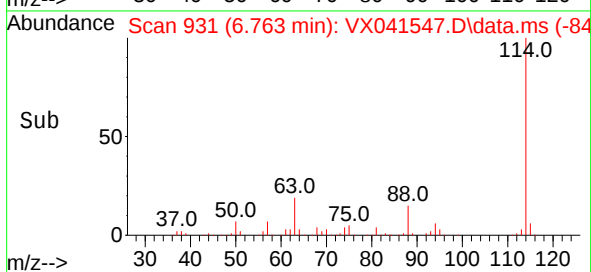
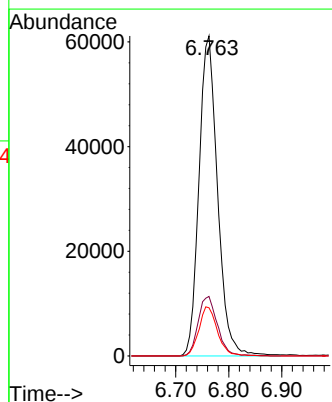
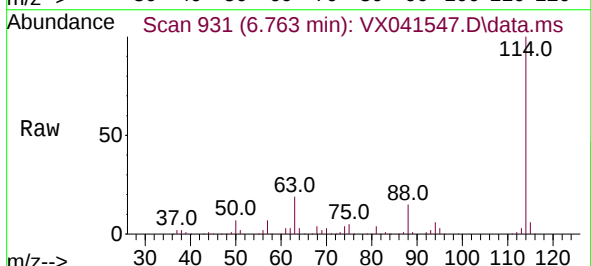
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

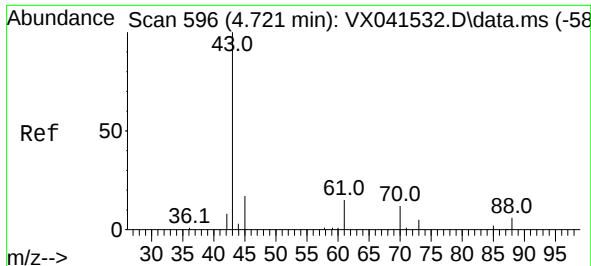
Tgt Ion: 65 Resp: 63529
Ion Ratio Lower Upper
65 100
67 51.6 40.8 61.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

Tgt Ion: 114 Resp: 148843
Ion Ratio Lower Upper
114 100
63 19.0 15.4 23.0
88 15.3 12.2 18.2





#43

Ethyl Acetate

Concen: 77.969 ug/l

RT: 4.720 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX041547.D

Acq: 15 May 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

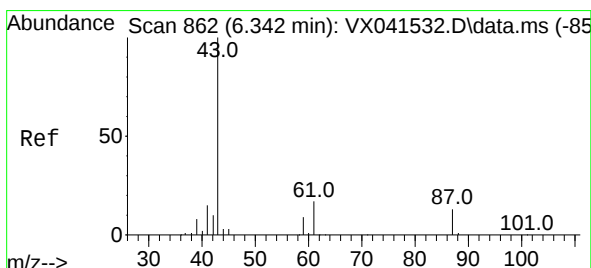
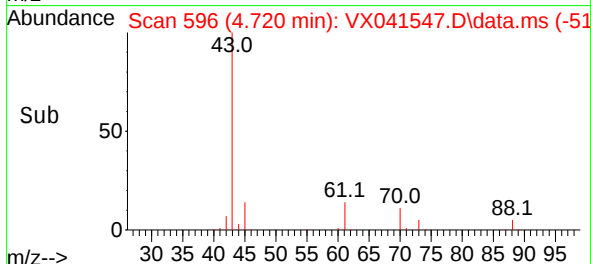
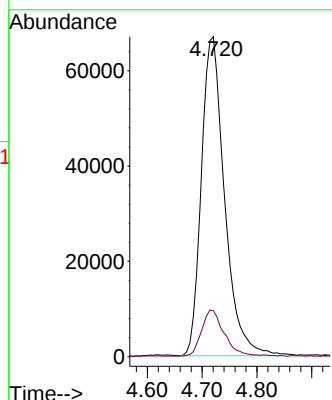
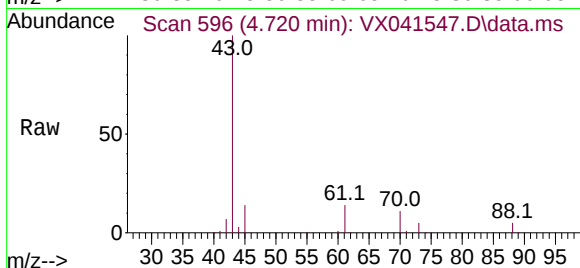
EFF-WW

Tgt Ion: 43 Resp: 196608

Ion Ratio Lower Upper

43 100

45 14.0 11.9 17.9



#44

Isopropyl Acetate

Concen: 6.242 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX041547.D

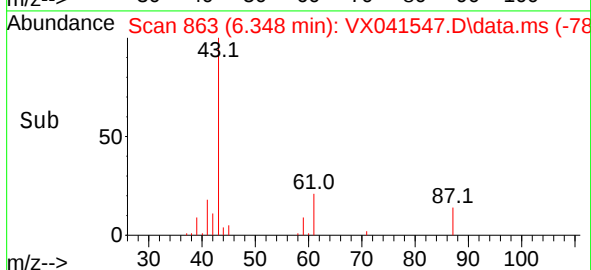
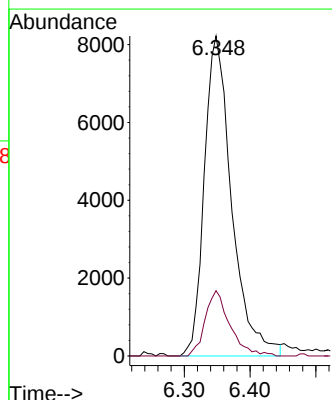
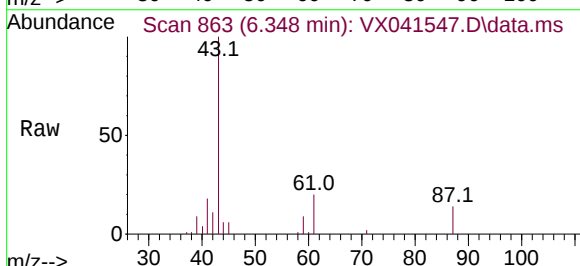
Acq: 15 May 2024 18:15

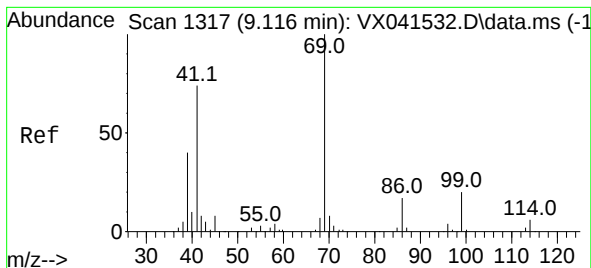
Tgt Ion: 43 Resp: 23794

Ion Ratio Lower Upper

43 100

61 18.1 15.3 22.9





#51

Ethyl methacrylate

Concen: 0.219 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.470 min

Lab File: VX041547.D

Acq: 15 May 2024 18:15

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

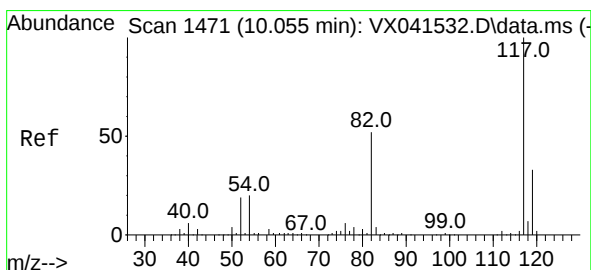
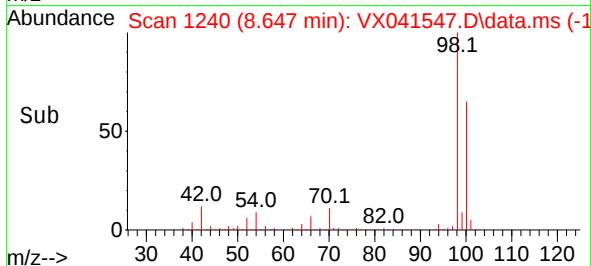
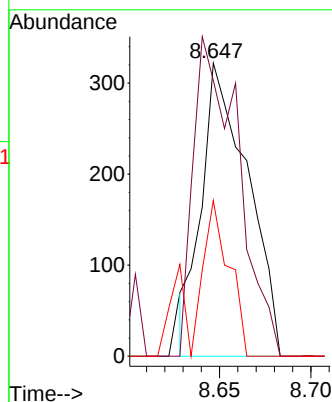
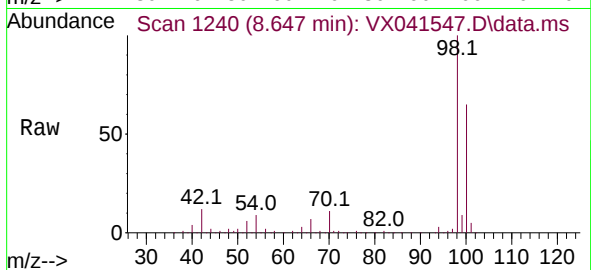
Tgt Ion: 69 Resp: 567

Ion Ratio Lower Upper

69 100

41 94.1 37.1 111.3

39 53.1 20.2 60.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041547.D

Acq: 15 May 2024 18:15

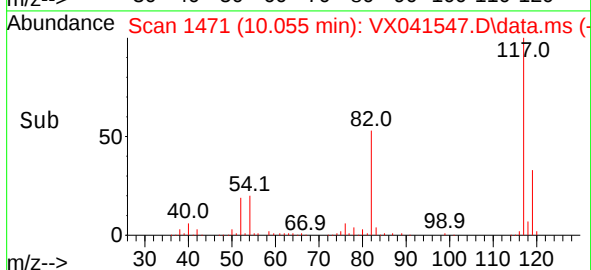
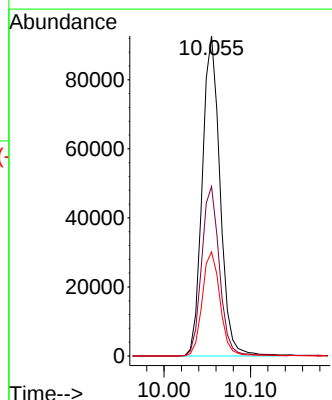
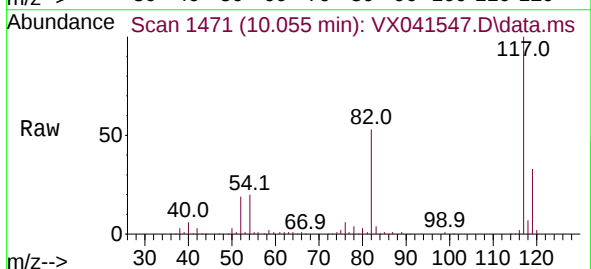
Tgt Ion: 117 Resp: 132300

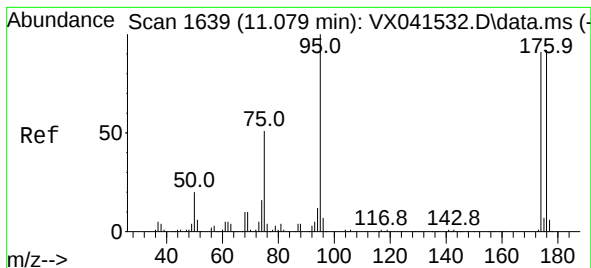
Ion Ratio Lower Upper

117 100

82 53.1 41.7 62.5

119 32.6 25.7 38.5

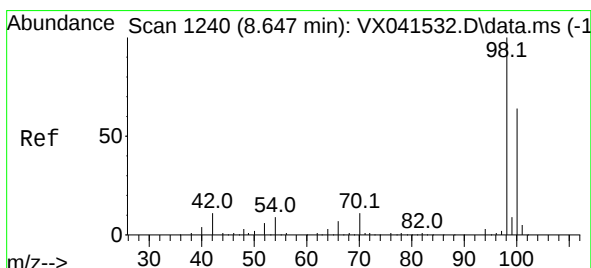
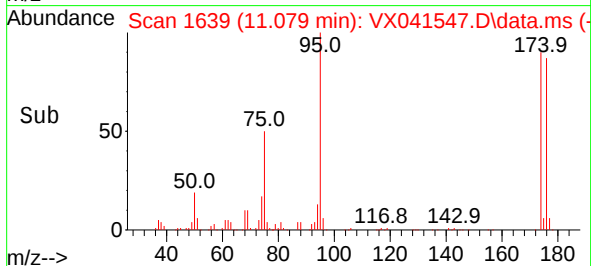
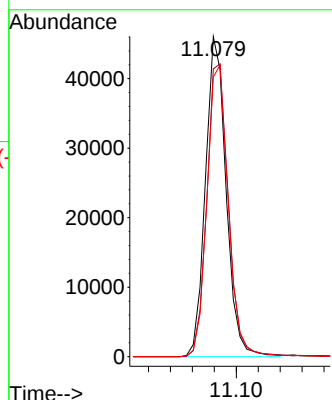
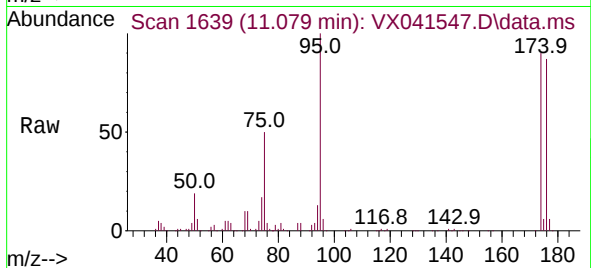




#60
4-Bromofluorobenzene
Concen: 29.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

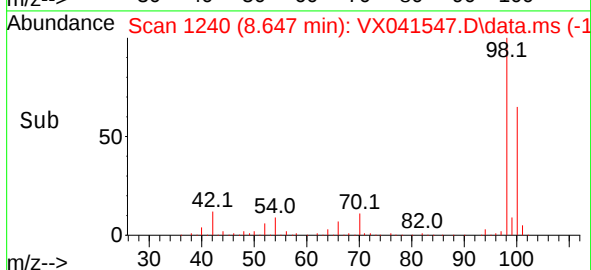
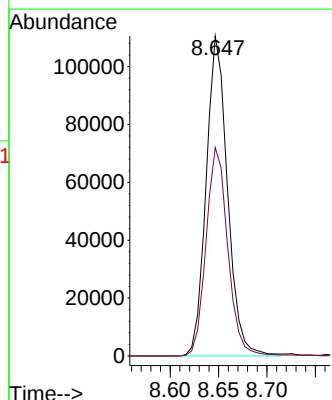
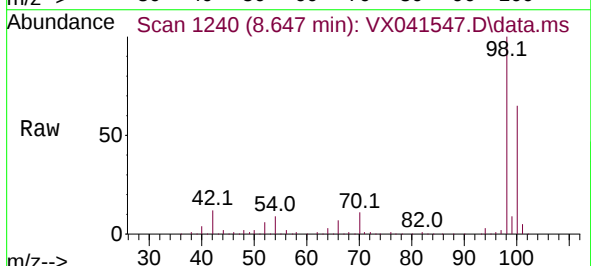
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

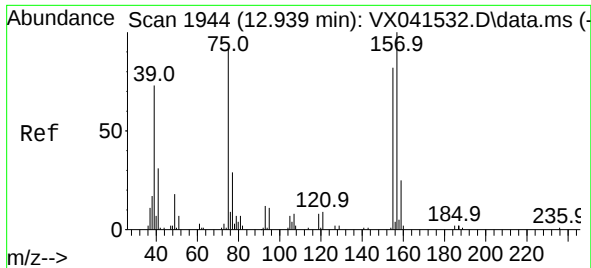
Tgt Ion: 95 Resp: 60235
Ion Ratio Lower Upper
95 100
174 95.6 76.6 115.0
176 93.7 75.4 113.0



#63
Toluene-d8
Concen: 30.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041547.D
Acq: 15 May 2024 18:15

Tgt Ion: 98 Resp: 170310
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.679 ug/l
 RT: 12.871 min Scan# 1933
 Delta R.T. -0.067 min
 Lab File: VX041547.D
 Acq: 15 May 2024 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tgt Ion: 75 Resp: 2018
 Ion Ratio Lower Upper
 75 100
 155 0.0 80.4 120.6#
 157 0.0 102.2 153.2#

