

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033455.D
 Acq On : 16 Dec 2022 12:39
 Operator : JC/MD
 Sample : N6094-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Dec 17 07:45:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:37:35 2022
 Response via : Initial Calibration

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

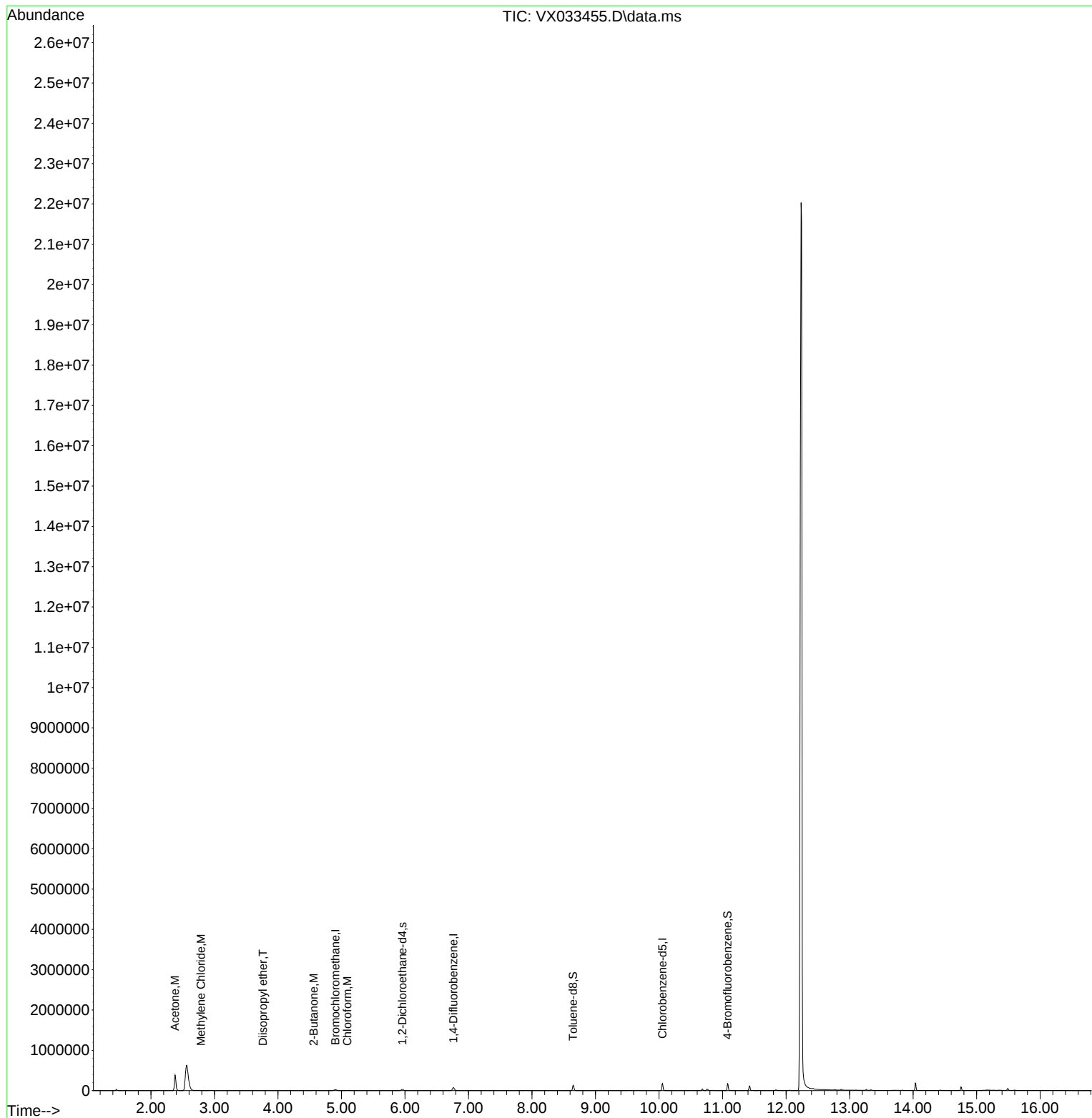
Internal Standards						
1) Bromochloromethane	4.904	128	11230	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77263	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83909	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31856	32.299	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.667%
60) 4-Bromofluorobenzene	11.079	95	45530	29.297	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.667%
63) Toluene-d8	8.647	98	81809	29.309	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.700%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	133298	781.745	ug/l	94
18) Methylene Chloride	2.788	84	664	0.591	ug/l #	81
20) Diisopropyl ether	3.764	45	1585	0.474	ug/l #	80
25) Chloroform	5.093	83	3599	1.604	ug/l	96
30) 2-Butanone	4.562	43	6908	9.463	ug/l #	90

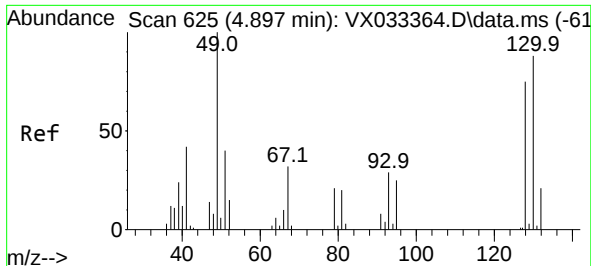
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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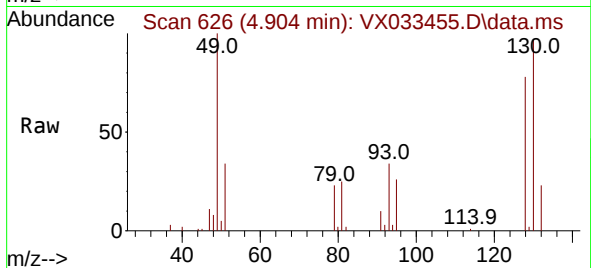
Quant Time: Dec 17 07:45:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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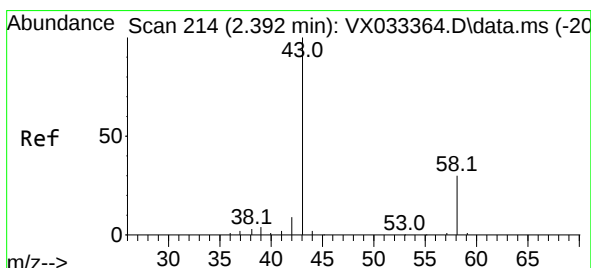
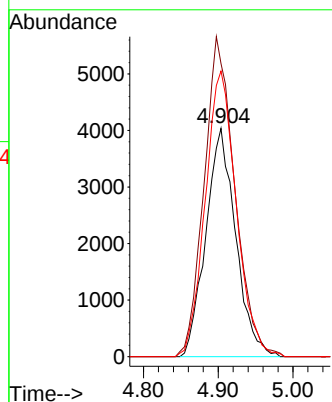
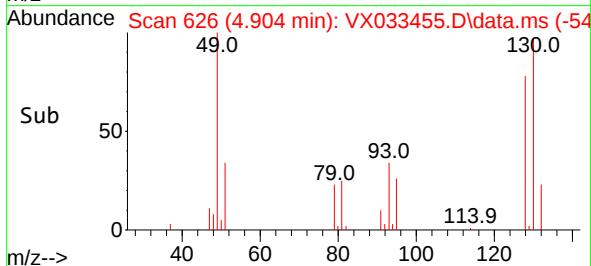


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033455.D
Acq: 16 Dec 2022 12:39

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

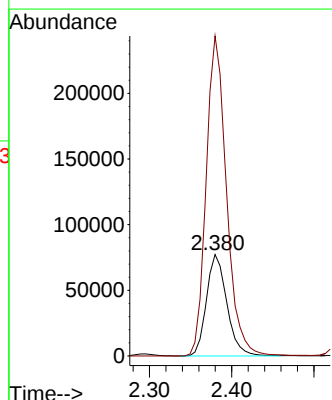
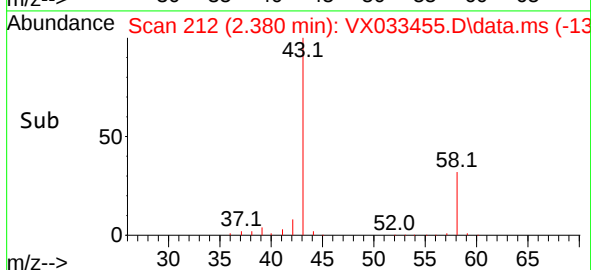
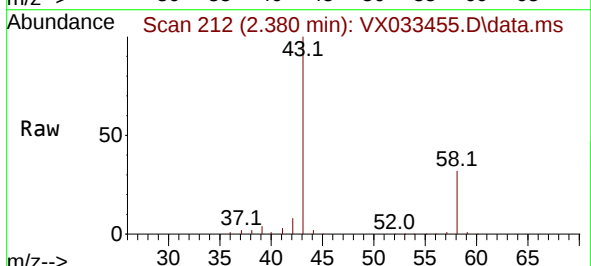


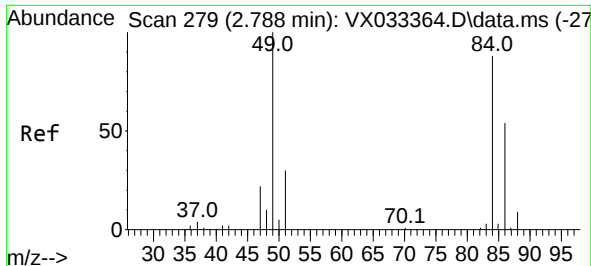
Tgt Ion:128 Resp: 11230
Ion Ratio Lower Upper
128 100
49 143.8 0.0 339.5
130 130.1 0.0 318.0



#15
Acetone
Concen: 781.745 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX033455.D
Acq: 16 Dec 2022 12:39

Tgt Ion: 58 Resp: 133298
Ion Ratio Lower Upper
58 100
43 315.5 262.9 394.3





#18

Methylene Chloride

Concen: 0.591 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033455.D

Acq: 16 Dec 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tgt Ion: 84 Resp: 664

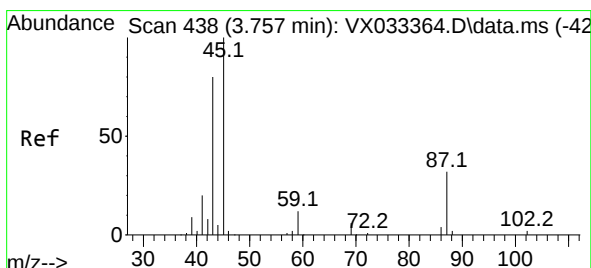
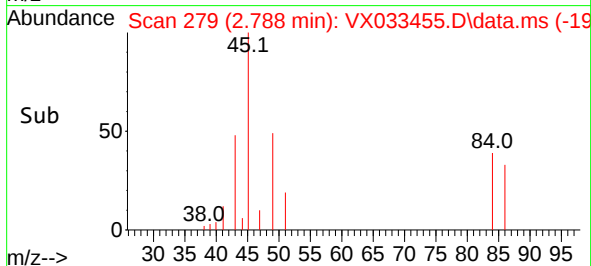
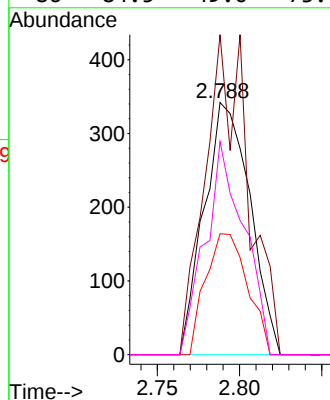
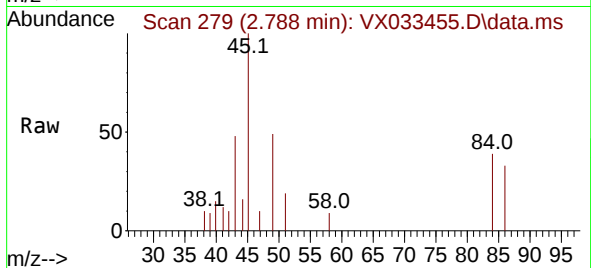
Ion Ratio Lower Upper

84 100

49 126.9 91.2 136.8

51 48.0 27.3 40.9#

86 84.5 49.0 73.4#



#20

Diisopropyl ether

Concen: 0.474 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX033455.D

Acq: 16 Dec 2022 12:39

Tgt Ion: 45 Resp: 1585

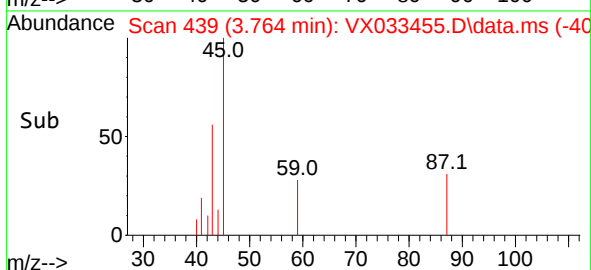
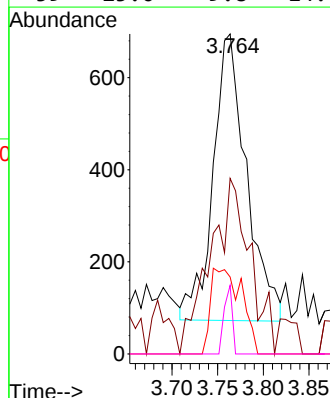
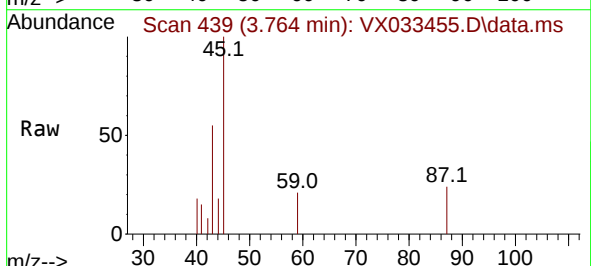
Ion Ratio Lower Upper

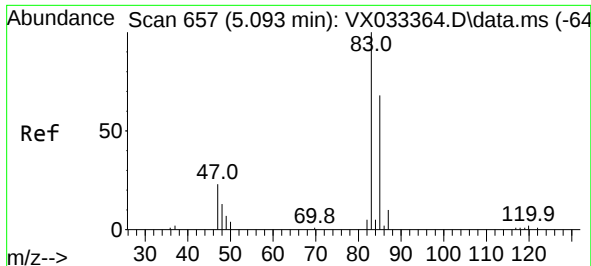
45 100

43 64.0 68.2 102.2#

87 28.1 25.5 38.3

59 25.0 9.8 14.6#





#25

Chloroform

Concen: 1.604 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX033455.D

Acq: 16 Dec 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

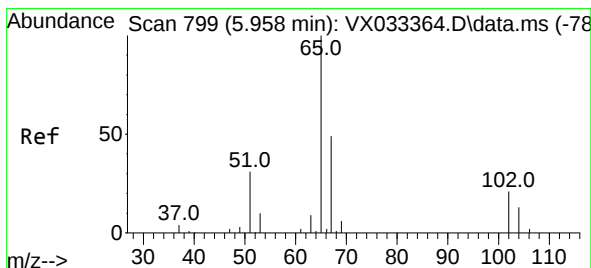
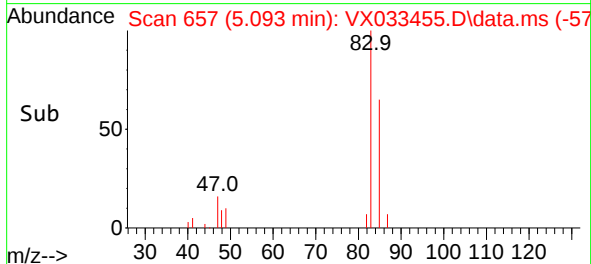
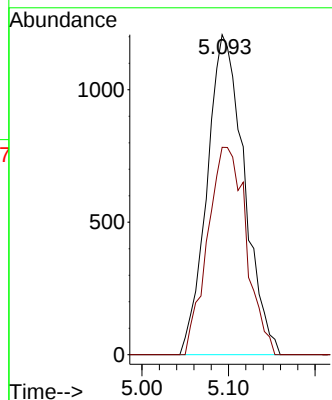
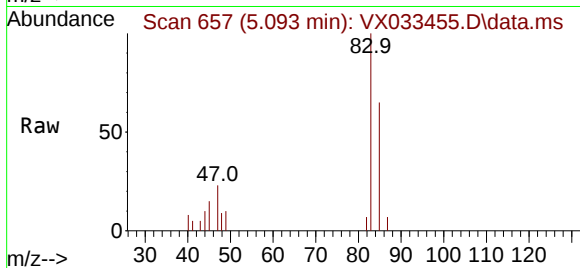
EFF-WW

Tgt Ion: 83 Resp: 3599

Ion Ratio Lower Upper

83 100

85 64.8 54.2 81.2



#27

1,2-Dichloroethane-d4

Concen: 32.299 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033455.D

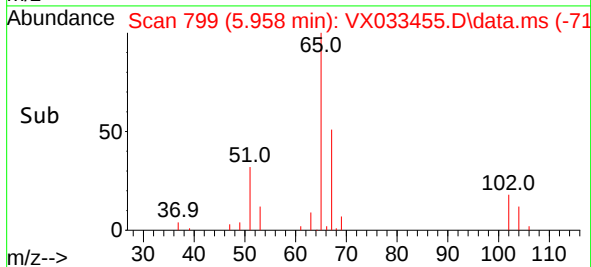
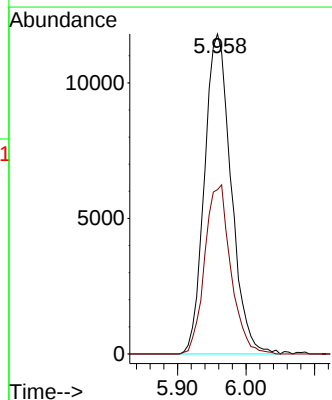
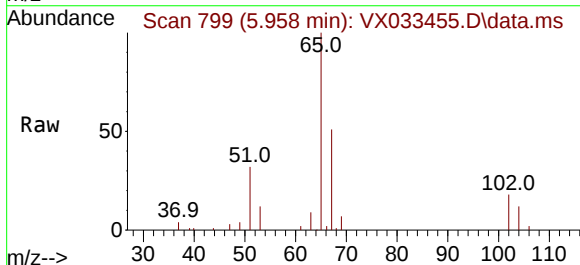
Acq: 16 Dec 2022 12:39

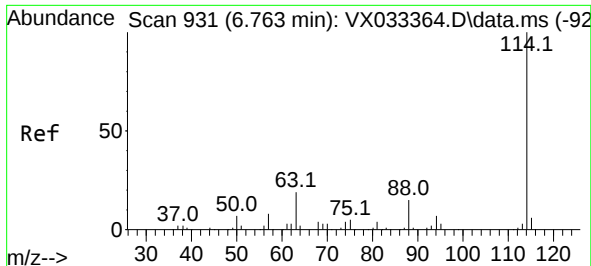
Tgt Ion: 65 Resp: 31856

Ion Ratio Lower Upper

65 100

67 51.8 39.8 59.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033455.D

Acq: 16 Dec 2022 12:39

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

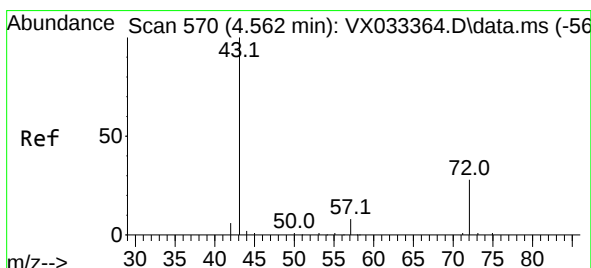
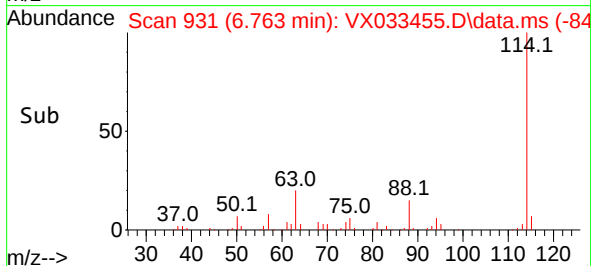
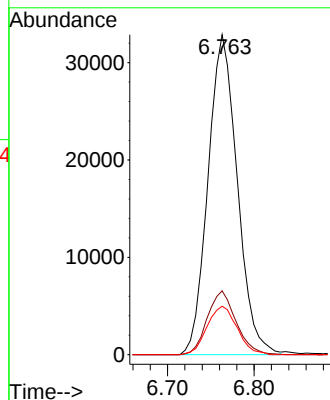
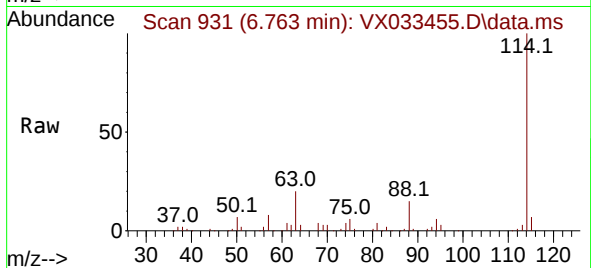
Tgt Ion:114 Resp: 77263

Ion Ratio Lower Upper

114 100

63 19.6 15.2 22.8

88 15.6 12.2 18.4



#30

2-Butanone

Concen: 9.463 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX033455.D

Acq: 16 Dec 2022 12:39

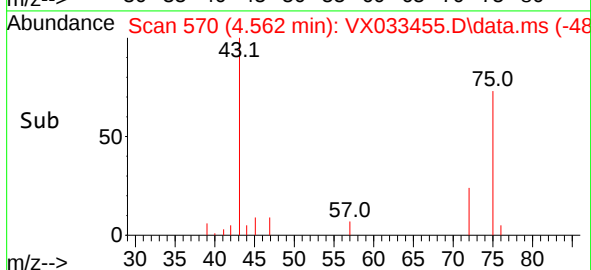
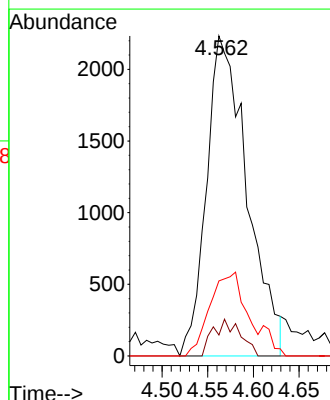
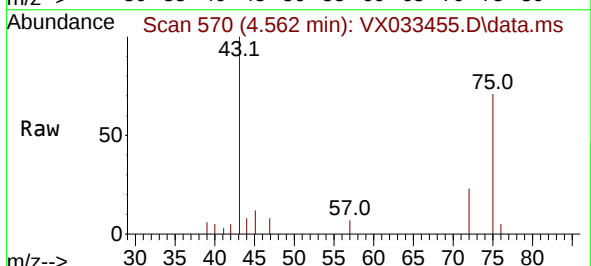
Tgt Ion: 43 Resp: 6908

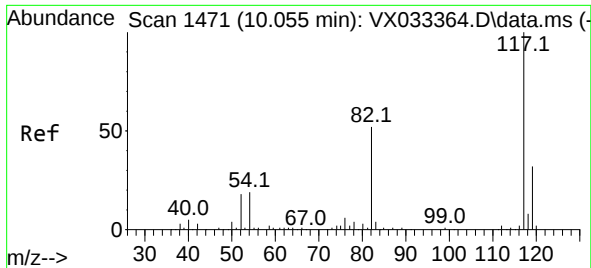
Ion Ratio Lower Upper

43 100

57 5.1 6.6 9.8#

72 22.8 22.5 33.7

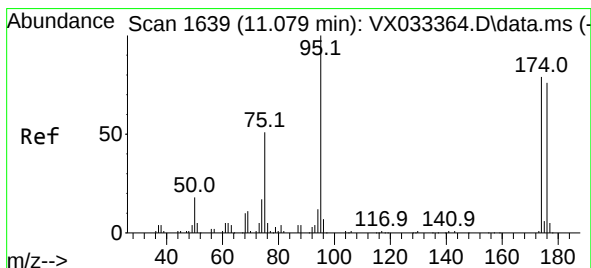
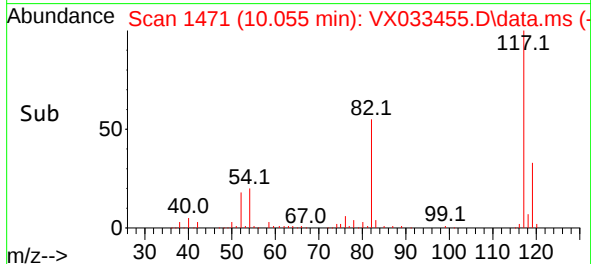
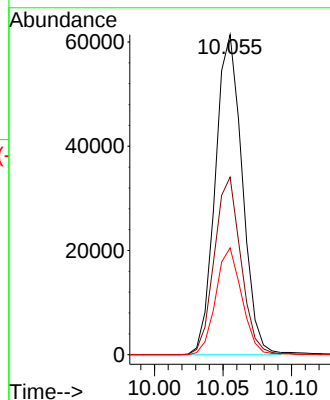
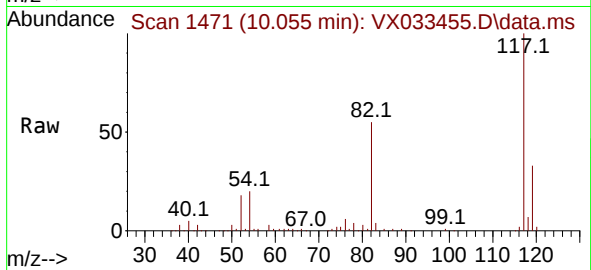




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033455.D
Acq: 16 Dec 2022 12:39

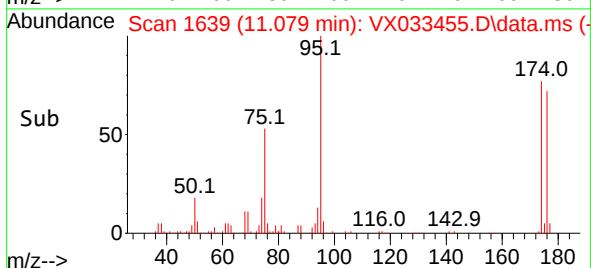
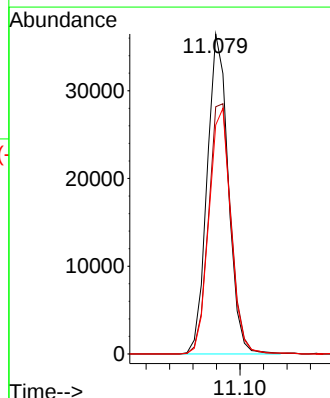
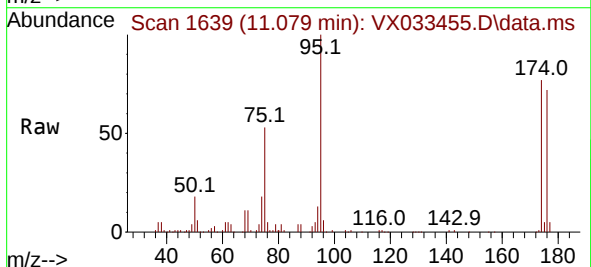
Instrument :
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EFF-WW

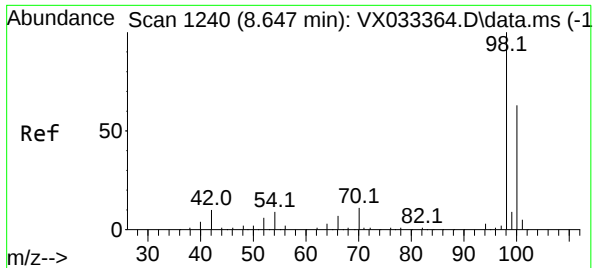
Tgt Ion:117 Resp: 83909
Ion Ratio Lower Upper
117 100
82 54.9 43.7 65.5
119 32.3 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 29.297 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033455.D
Acq: 16 Dec 2022 12:39

Tgt Ion: 95 Resp: 45530
Ion Ratio Lower Upper
95 100
174 83.3 65.9 98.9
176 79.5 63.3 94.9





#63
Toluene-d8
Concen: 29.309 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033455.D
Acq: 16 Dec 2022 12:39

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 81809
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

