

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061523\
 Data File : VX036173.D
 Acq On : 15 Jun 2023 16:39
 Operator : JC/MD
 Sample : 03251-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

Quant Time: Jun 16 07:57:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

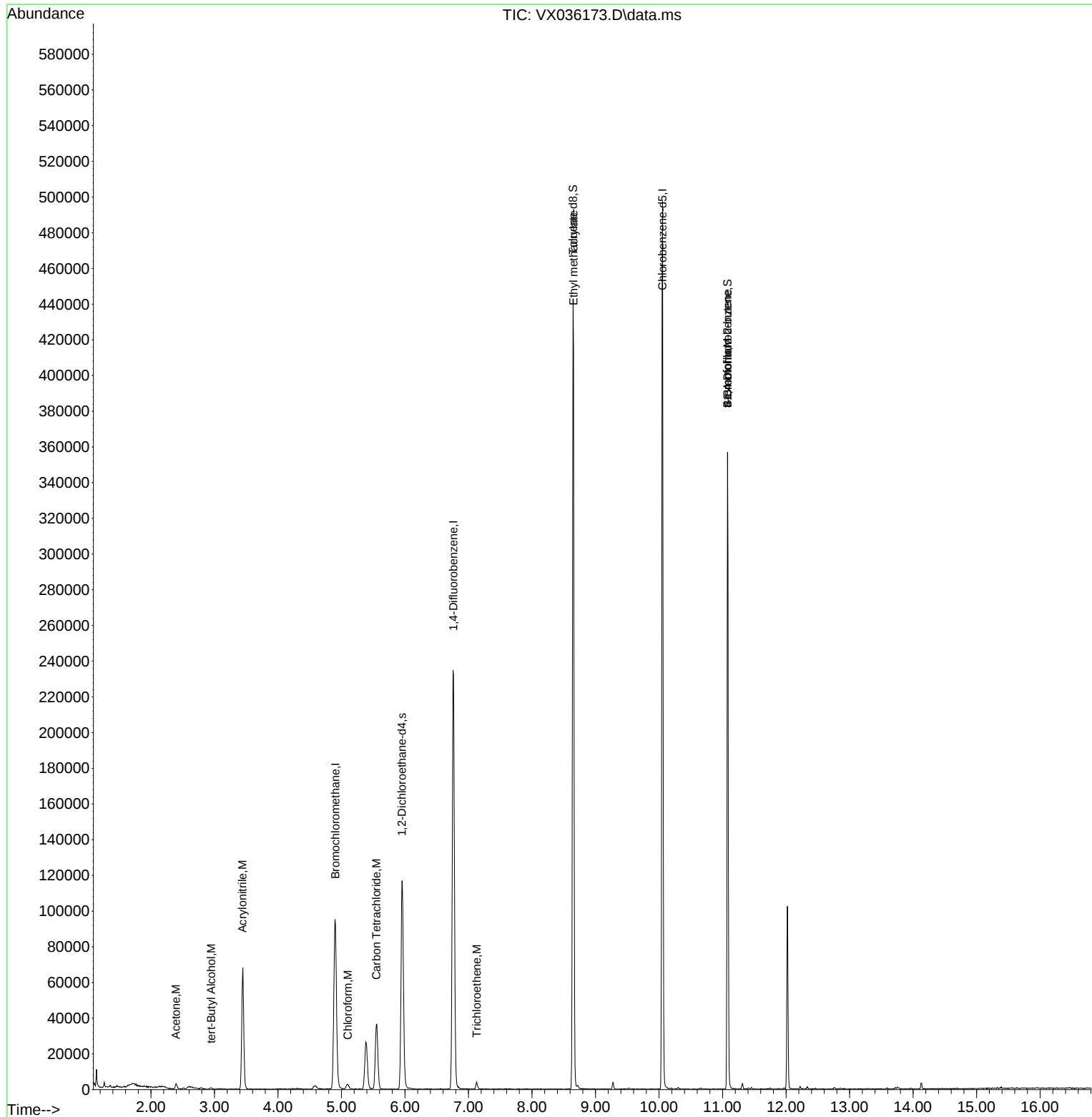
Internal Standards						
1) Bromochloromethane	4.904	128	36570	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	221704	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	205679	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	118563	39.019	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	130.067%#
60) 4-Bromofluorobenzene	11.079	95	93721	27.156	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.533%
63) Toluene-d8	8.647	98	249500	27.440	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	91.467%
Target Compounds						
						Qvalue
14) Acrylonitrile	3.440	53	1303	1.003	ug/l #	24
15) Acetone	2.392	58	1098	2.827	ug/l #	49
23) tert-Butyl Alcohol	2.947	59	298	0.629	ug/l #	100
25) Chloroform	5.099	83	3267	0.761	ug/l #	83
33) Carbon Tetrachloride	5.550	117	3753	1.318	ug/l #	14
37) Trichloroethene	7.129	130	1267	0.518	ug/l	96
51) Ethyl methacrylate	8.653	69	792	0.203	ug/l	97
56) Bromoform	11.079	173	623	0.413	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	53110	49.853	ug/l #	4

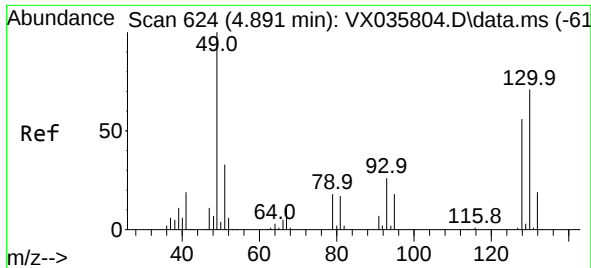
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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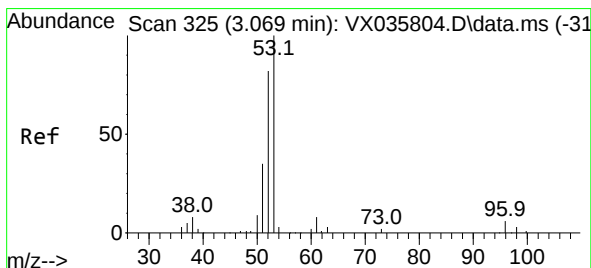
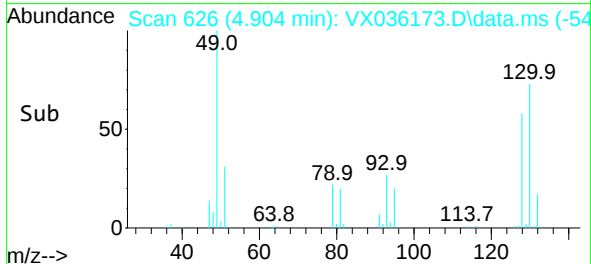
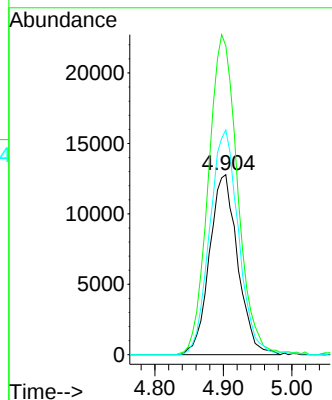
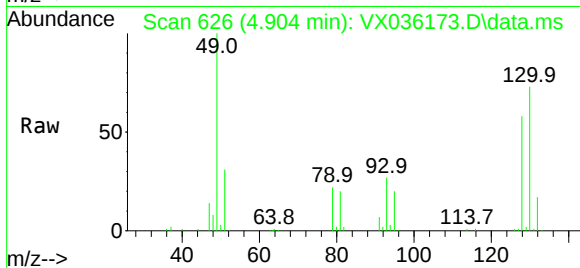




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.904 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VX036173.D
 Acq: 15 Jun 2023 16:39

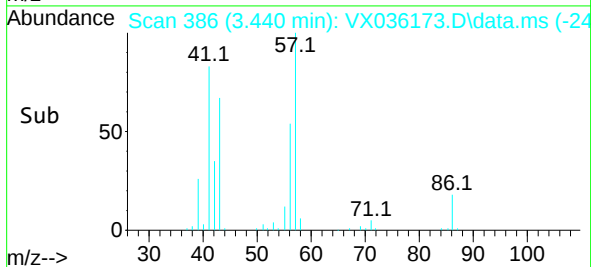
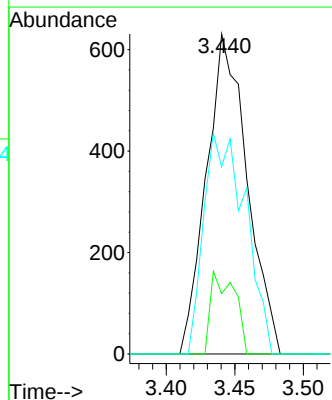
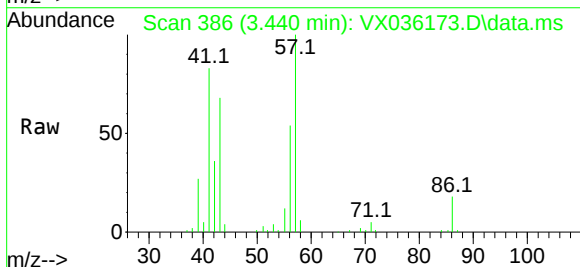
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

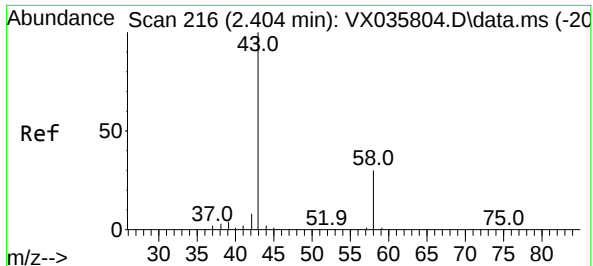
Tgt Ion:	128	Resp:	36570
Ion	Ratio	Lower	Upper
128	100		
49	183.7	0.0	428.8
130	127.3	0.0	310.8



#14
 Acrylonitrile
 Concen: 1.003 ug/l
 RT: 3.440 min Scan# 386
 Delta R.T. 0.372 min
 Lab File: VX036173.D
 Acq: 15 Jun 2023 16:39

Tgt Ion:	53	Resp:	1303
Ion	Ratio	Lower	Upper
53	100		
52	7.9	41.3	123.7#
51	70.5	17.9	53.7#





#15

Acetone

Concen: 2.827 ug/l

RT: 2.392 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

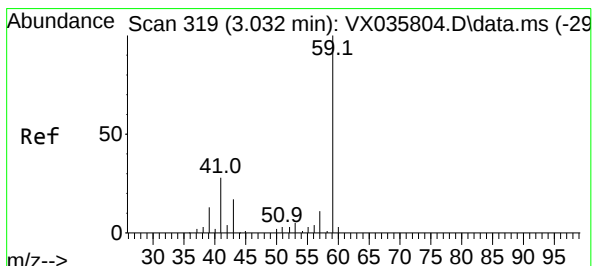
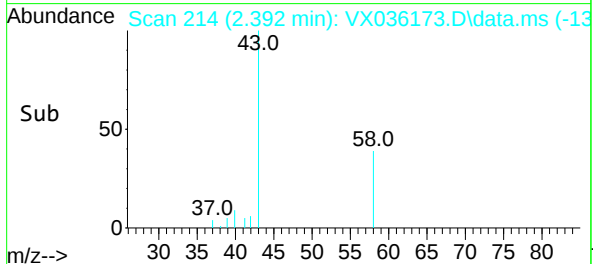
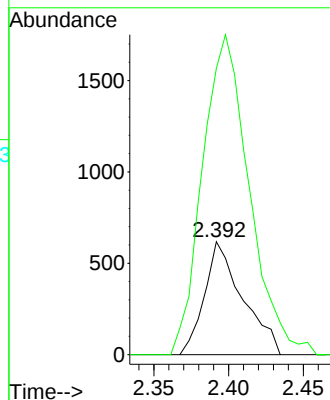
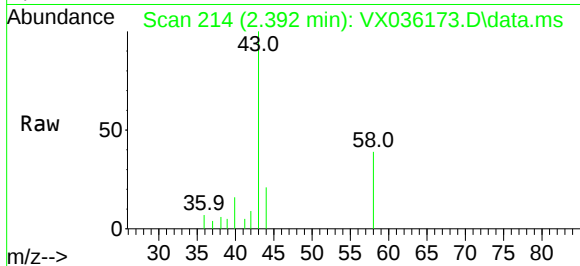
MW-01

Tgt Ion: 58 Resp: 1098

Ion Ratio Lower Upper

58 100

43 229.8 270.8 406.2#



#23

tert-Butyl Alcohol

Concen: 0.629 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.085 min

Lab File: VX036173.D

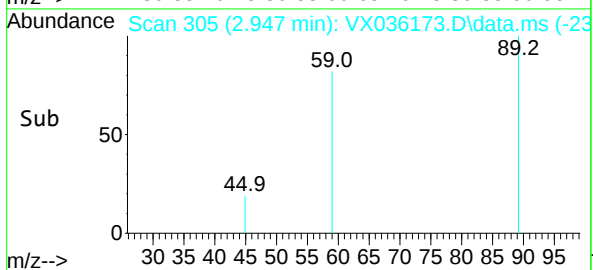
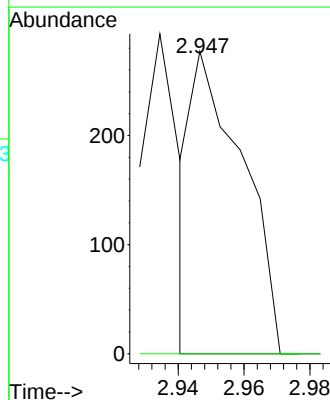
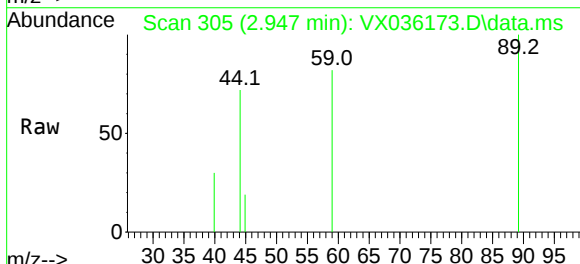
Acq: 15 Jun 2023 16:39

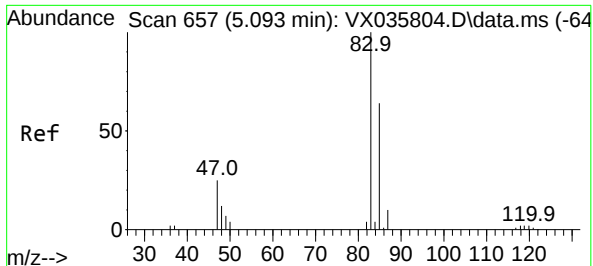
Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.4#





#25

Chloroform

Concen: 0.761 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

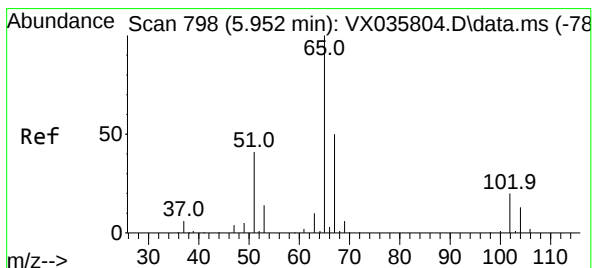
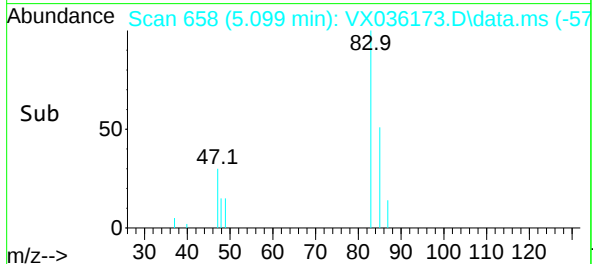
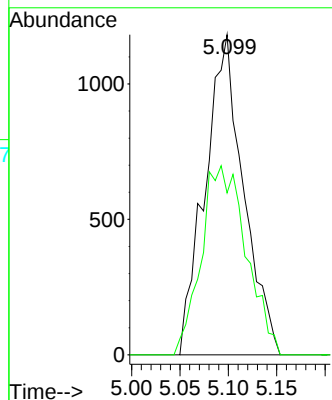
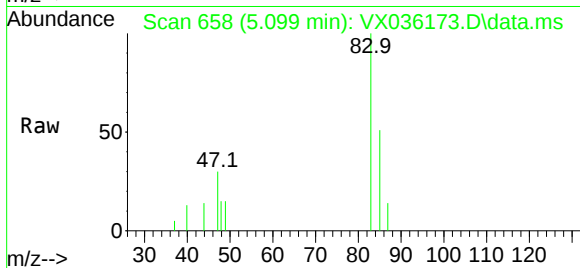
MW-01

Tgt Ion: 83 Resp: 3267

Ion Ratio Lower Upper

83 100

85 50.6 51.2 76.8#



#27

1,2-Dichloroethane-d4

Concen: 39.019 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036173.D

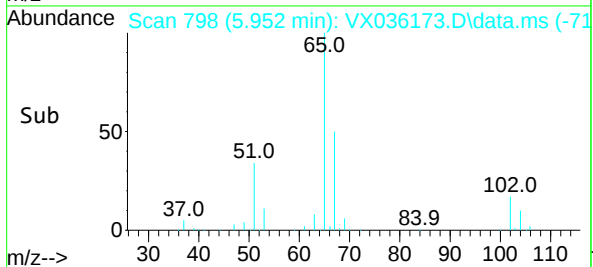
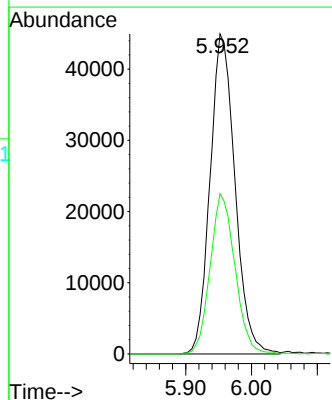
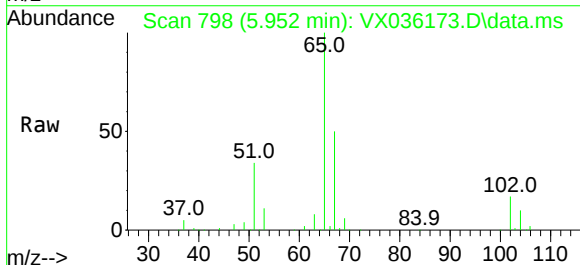
Acq: 15 Jun 2023 16:39

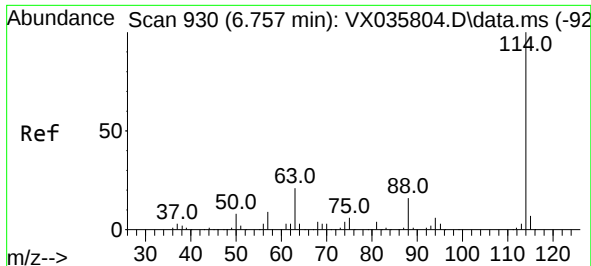
Tgt Ion: 65 Resp: 118563

Ion Ratio Lower Upper

65 100

67 49.8 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

MW-01

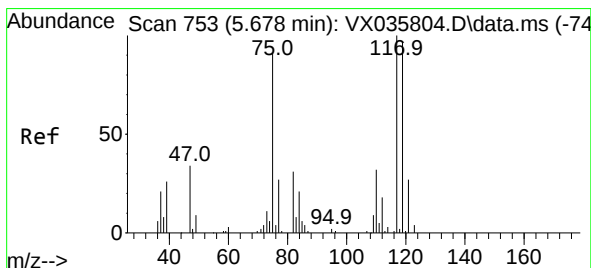
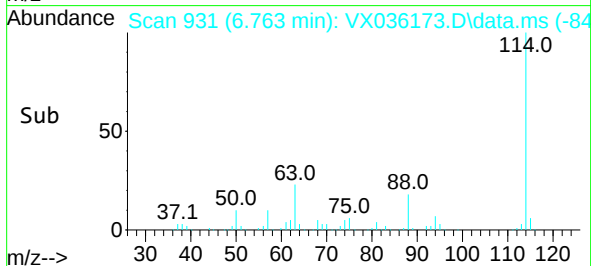
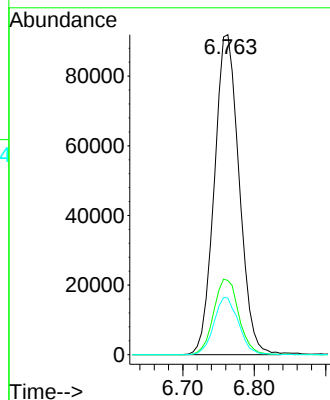
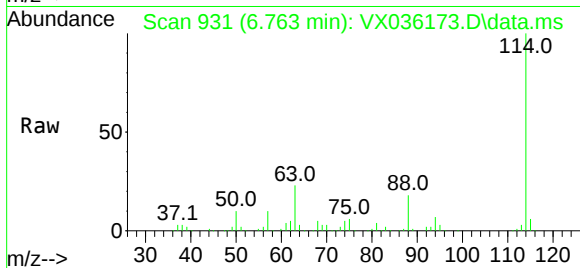
Tgt Ion:114 Resp: 221704

Ion Ratio Lower Upper

114 100

63 23.9 18.0 27.0

88 17.7 13.3 19.9



#33

Carbon Tetrachloride

Concen: 1.318 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

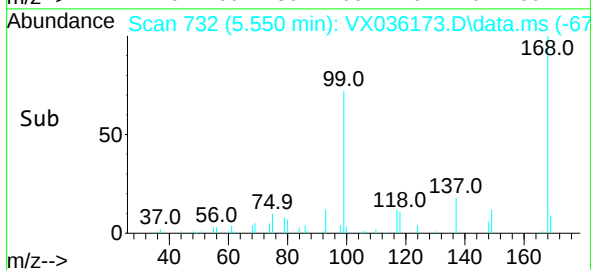
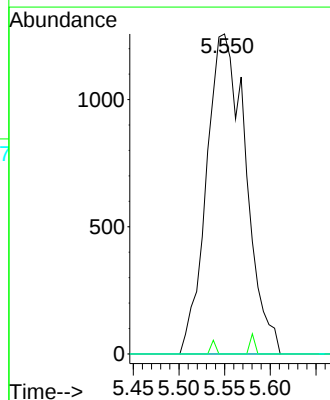
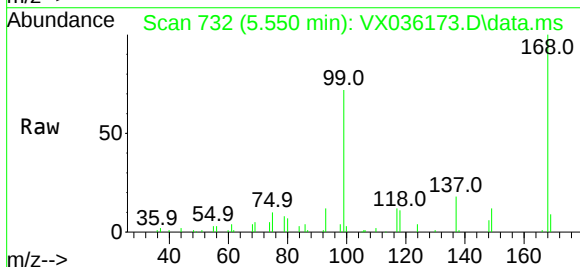
Tgt Ion:117 Resp: 3753

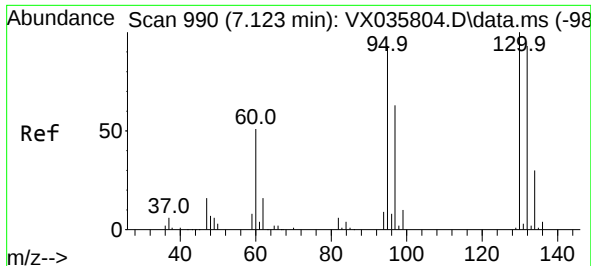
Ion Ratio Lower Upper

117 100

119 0.0 73.3 109.9#

121 0.0 24.0 36.0#





#37

Trichloroethene

Concen: 0.518 ug/l

RT: 7.129 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

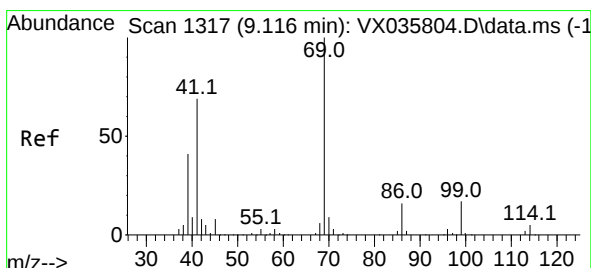
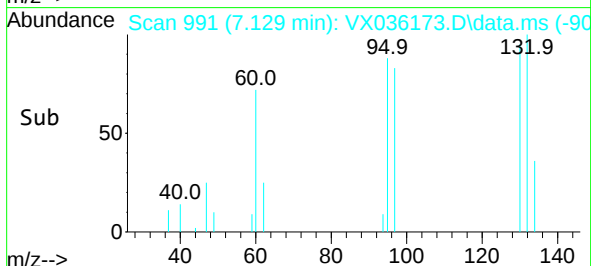
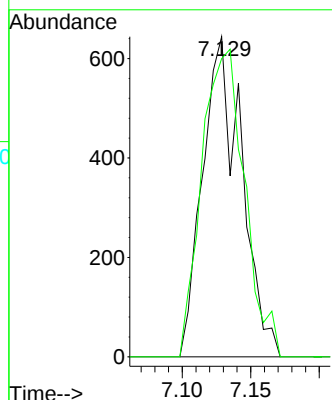
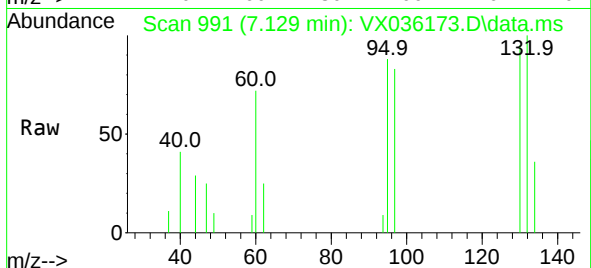
MW-01

Tgt Ion:130 Resp: 1267

Ion Ratio Lower Upper

130 100

95 93.2 77.8 116.6



#51

Ethyl methacrylate

Concen: 0.203 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

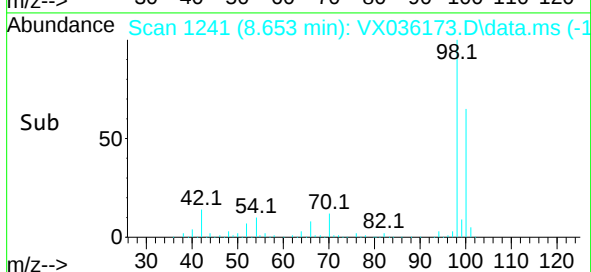
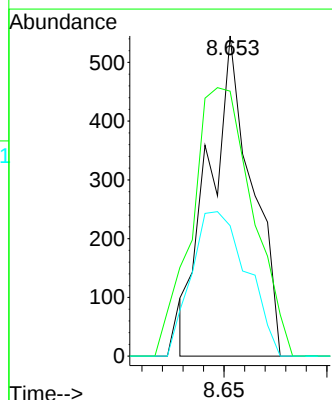
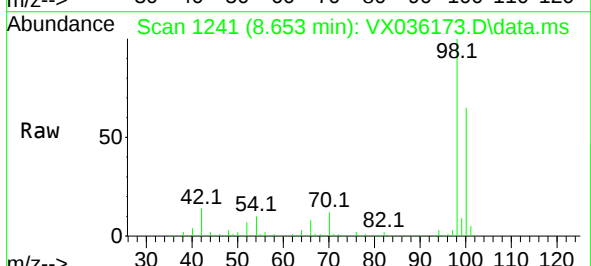
Tgt Ion: 69 Resp: 792

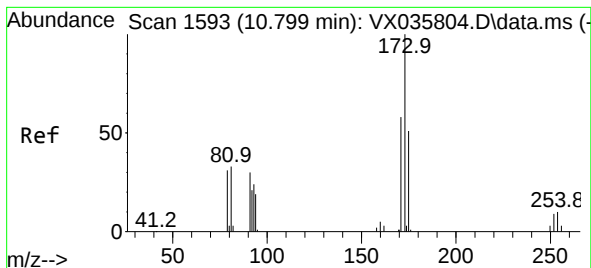
Ion Ratio Lower Upper

69 100

41 69.7 36.2 108.6

39 40.7 21.2 63.6





#56

Bromoform

Concen: 0.413 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

Instrument :

MSVOA_X

ClientSampleId :

MW-01

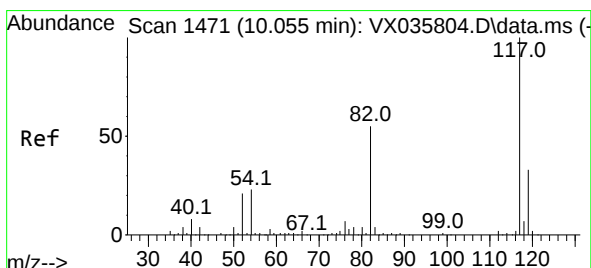
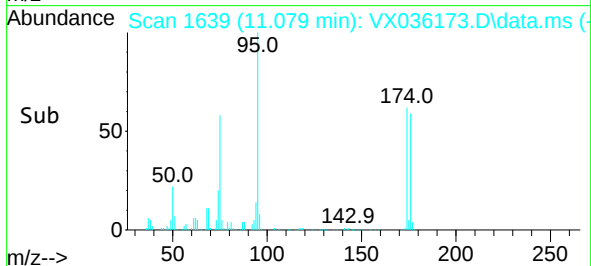
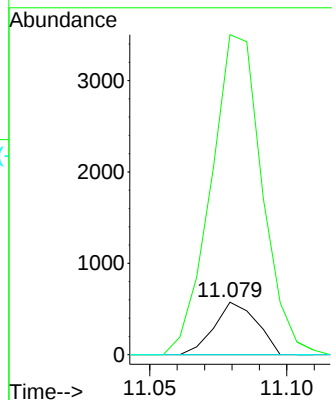
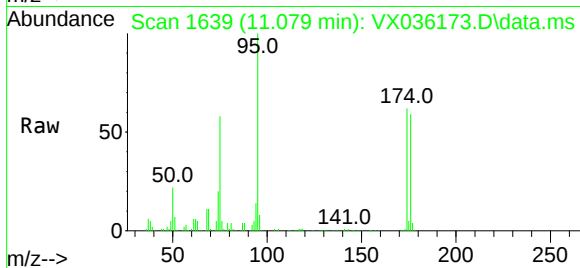
Tgt Ion:173 Resp: 623

Ion Ratio Lower Upper

173 100

175 732.3 37.0 55.4#

254 0.0 6.7 10.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036173.D

Acq: 15 Jun 2023 16:39

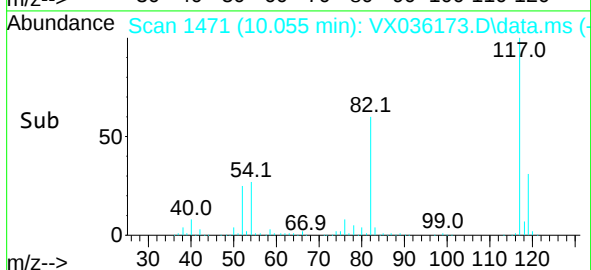
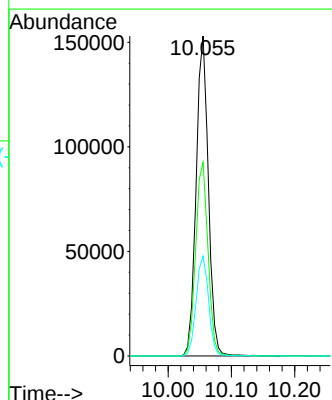
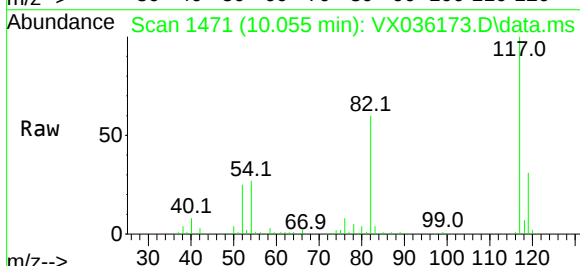
Tgt Ion:117 Resp: 205679

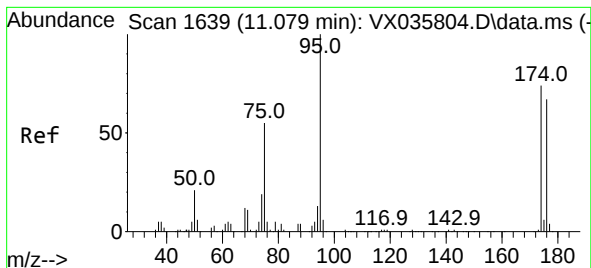
Ion Ratio Lower Upper

117 100

82 61.3 45.8 68.8

119 31.8 25.4 38.0

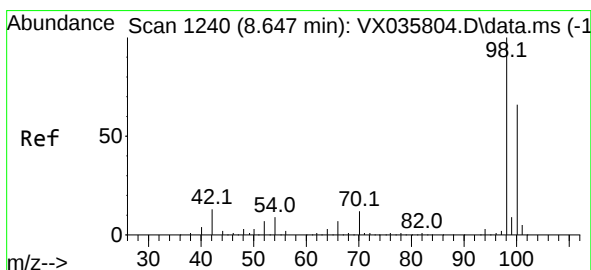
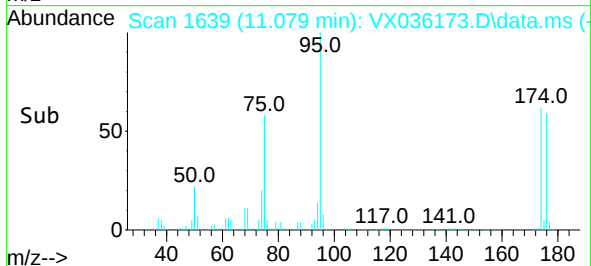
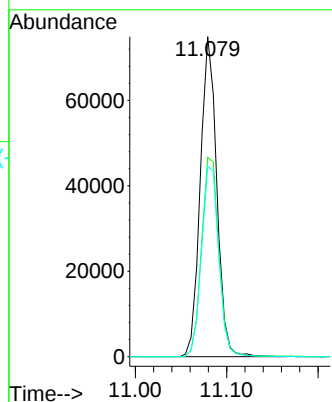
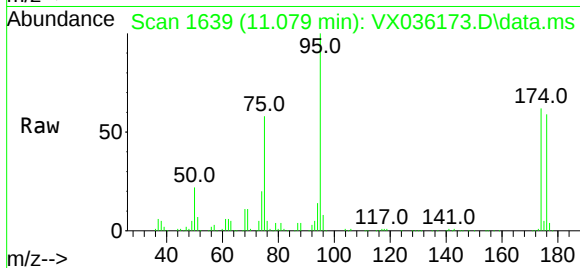




#60
4-Bromofluorobenzene
Concen: 27.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036173.D
Acq: 15 Jun 2023 16:39

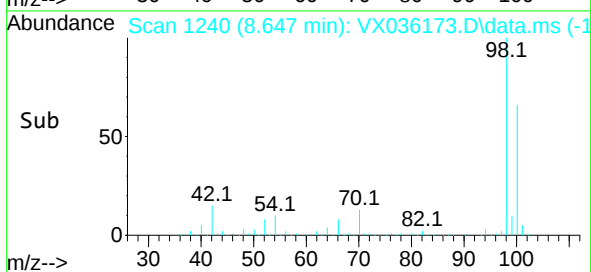
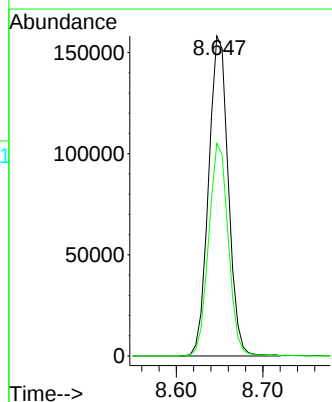
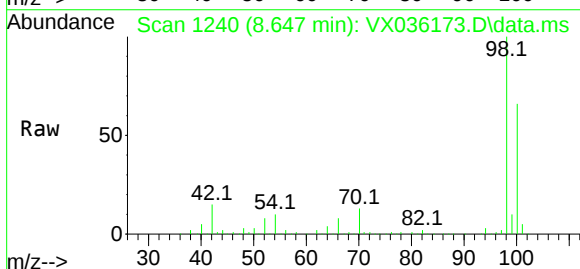
Instrument :
MSVOA_X
ClientSampleId :
MW-01

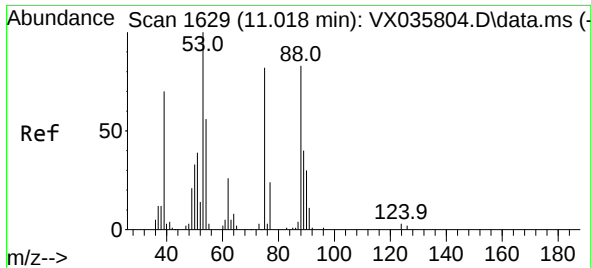
Tgt Ion: 95 Resp: 93721
Ion Ratio Lower Upper
95 100
174 65.3 0.2 0.4#
176 62.3 0.2 0.2#



#63
Toluene-d8
Concen: 27.440 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX036173.D
Acq: 15 Jun 2023 16:39

Tgt Ion: 98 Resp: 249500
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 49.853 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX036173.D
 Acq: 15 Jun 2023 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

Tgt Ion: 75 Resp: 53110
 Ion Ratio Lower Upper
 75 100
 53 0.0 58.2 174.6#
 89 0.0 20.6 61.8#

