

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033782.D
 Acq On : 18 Jan 2023 18:38
 Operator : JC/MD
 Sample : 01186-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-UNK

Quant Time: Jan 19 03:33:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

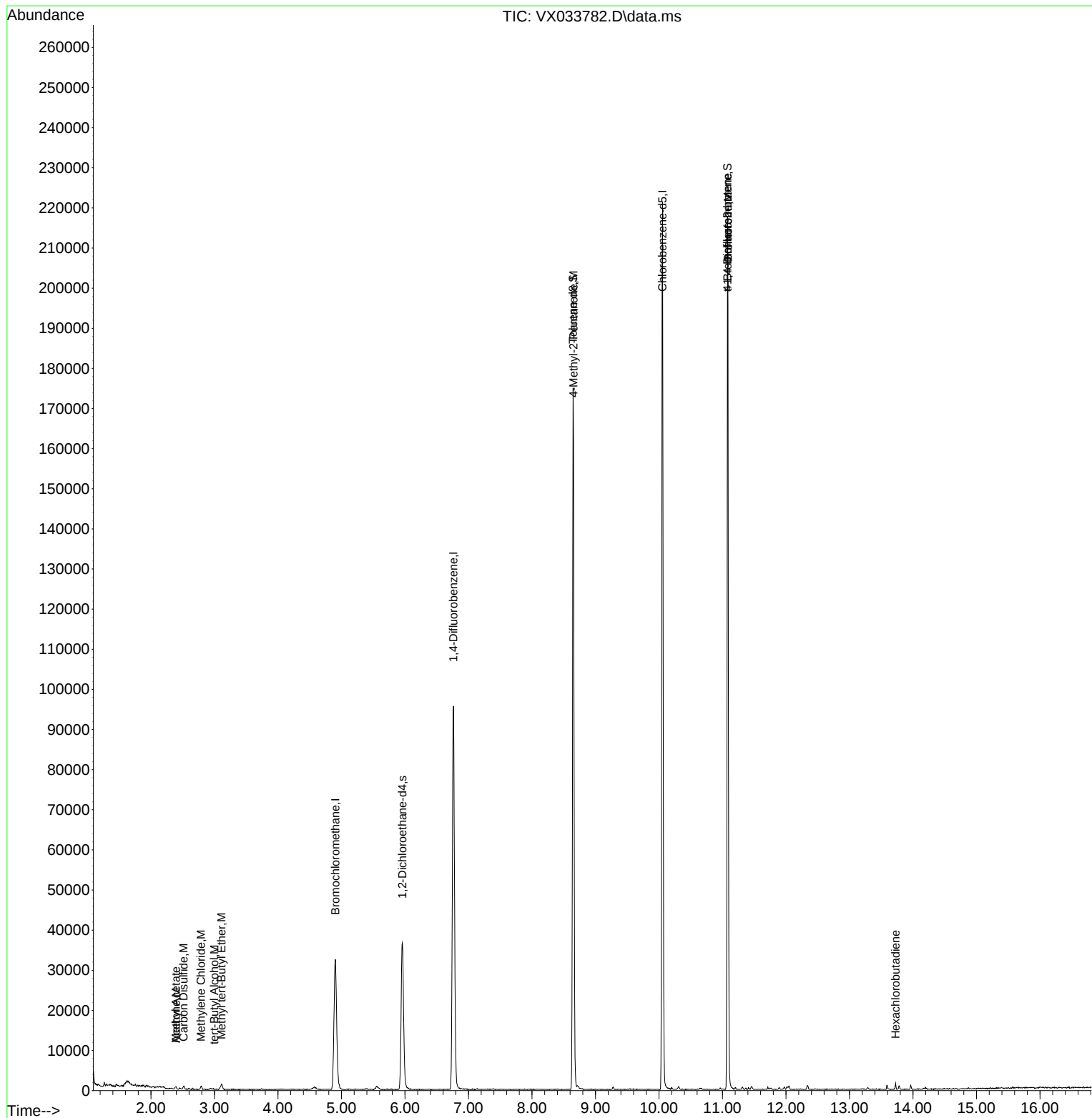
Internal Standards						
1) Bromochloromethane	4.904	128	15182	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	103771	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110740	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	35430	30.156	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.533%
60) 4-Bromofluorobenzene	11.079	95	58238	29.417	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.067%
63) Toluene-d8	8.647	98	105929	29.982	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.933%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.392	43	746	0.317	ug/l #	54
15) Acetone	2.392	58	134	0.581	ug/l #	28
16) Carbon Disulfide	2.514	76	1091	0.330	ug/l #	76
18) Methylene Chloride	2.788	84	416	0.274	ug/l #	73
23) tert-Butyl Alcohol	2.995	59	65	0.245	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	1175	0.263	ug/l #	72
56) Bromoform	11.085	173	536	0.414	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	516	0.259	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26929	44.862	ug/l #	6
90) Hexachlorobutadiene	13.725	225	339	0.308	ug/l	90

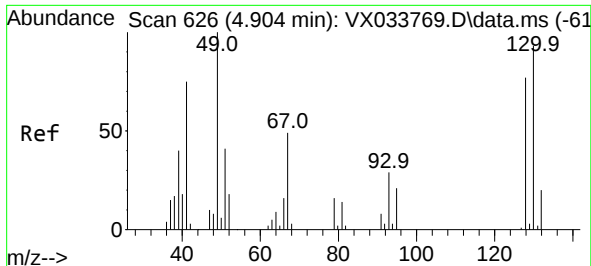
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
Data File : VX033782.D
Acq On : 18 Jan 2023 18:38
Operator : JC/MD
Sample : 01186-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

Quant Time: Jan 19 03:33:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 18 14:40:07 2023
Response via : Initial Calibration

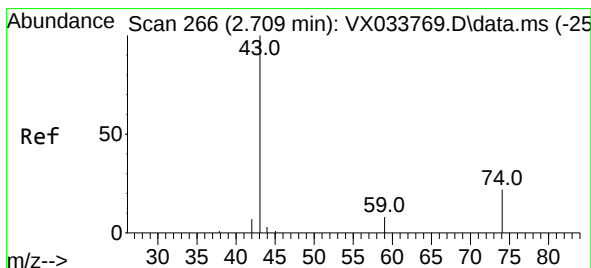
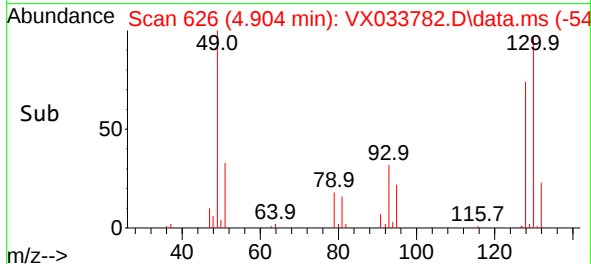
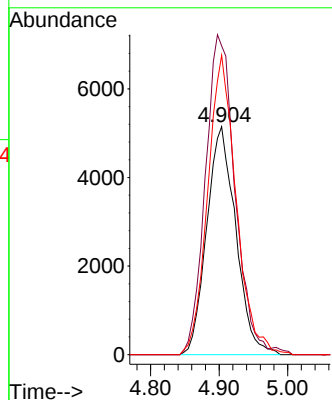
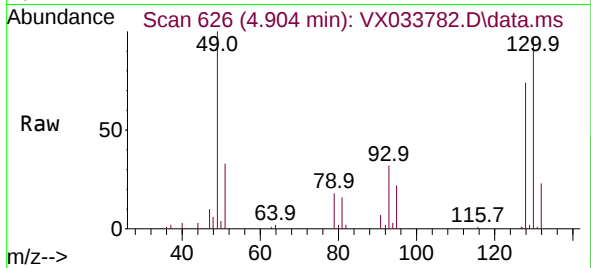




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

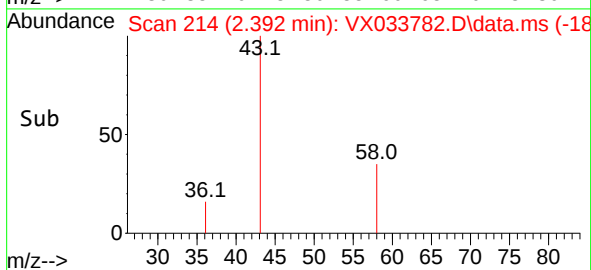
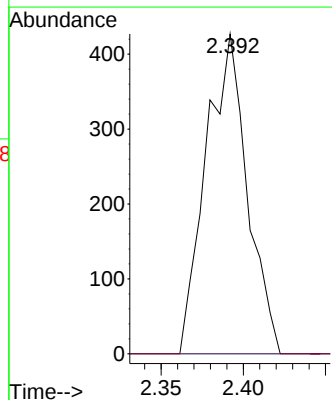
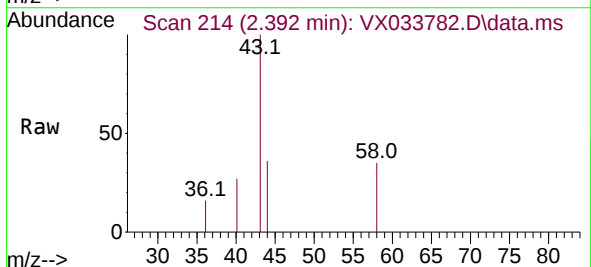
Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

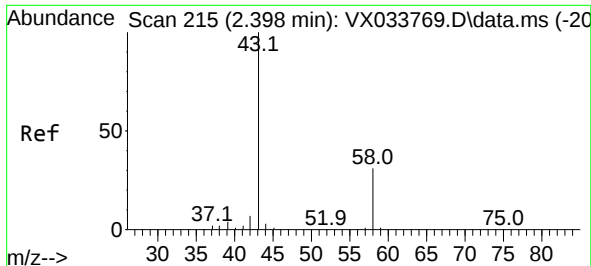
Tgt Ion:128 Resp: 15182
Ion Ratio Lower Upper
128 100
49 142.4 0.0 369.0
130 128.6 0.0 327.5



#12
Methyl Acetate
Concen: 0.317 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.317 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#





#15

Acetone

Concen: 0.581 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX033782.D

Acq: 18 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

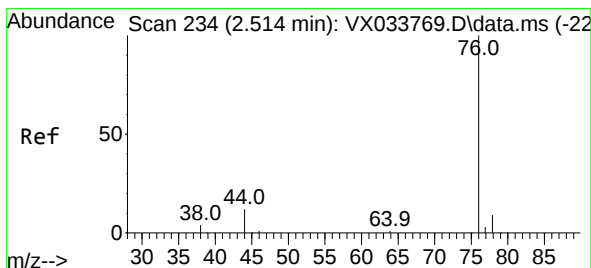
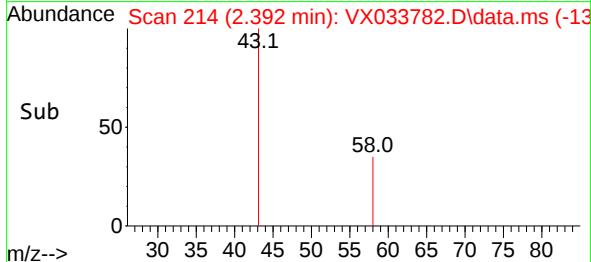
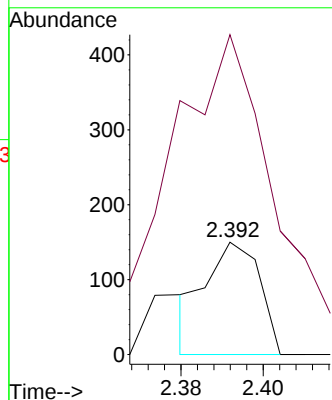
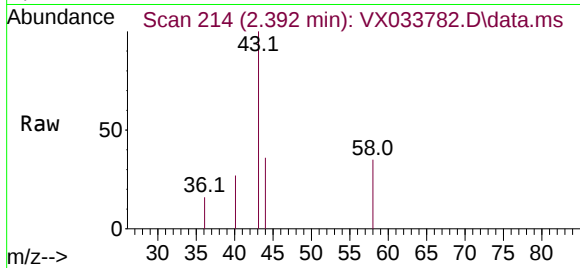
MW-UNK

Tgt Ion: 58 Resp: 134

Ion Ratio Lower Upper

58 100

43 174.7 258.6 388.0#



#16

Carbon Disulfide

Concen: 0.330 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033782.D

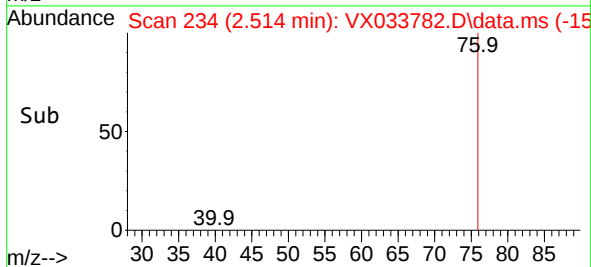
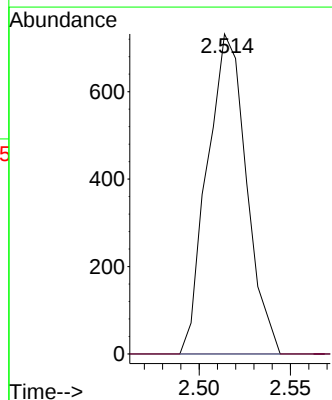
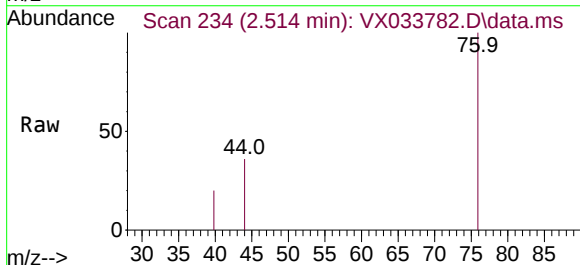
Acq: 18 Jan 2023 18:38

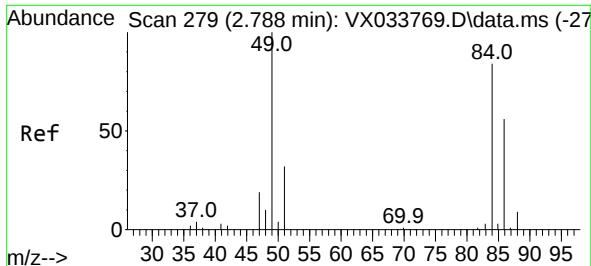
Tgt Ion: 76 Resp: 1091

Ion Ratio Lower Upper

76 100

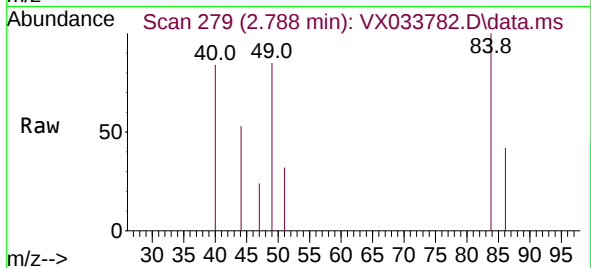
78 0.0 6.9 10.3#



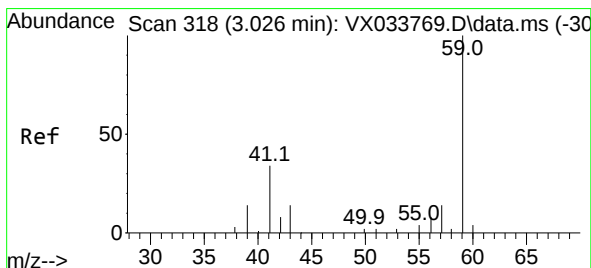
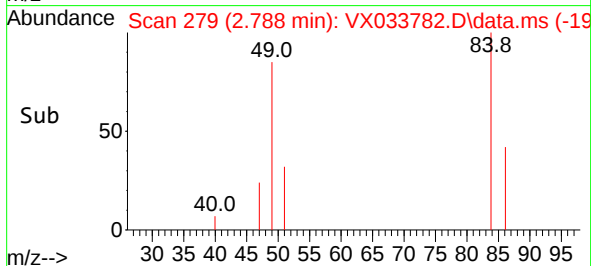
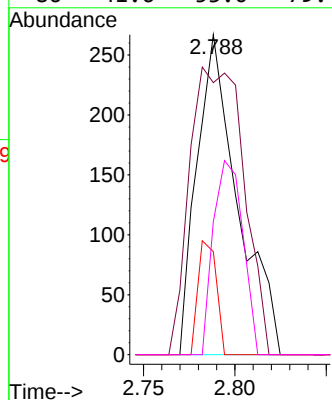


#18
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

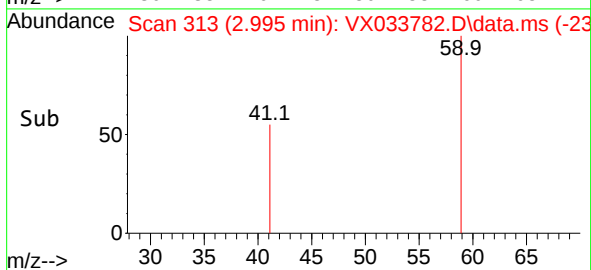
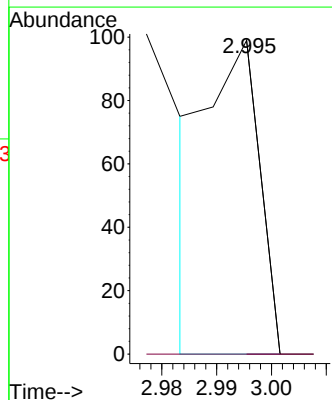
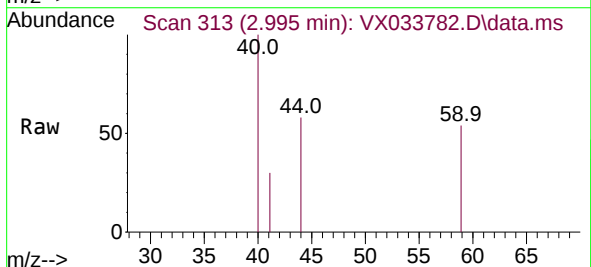


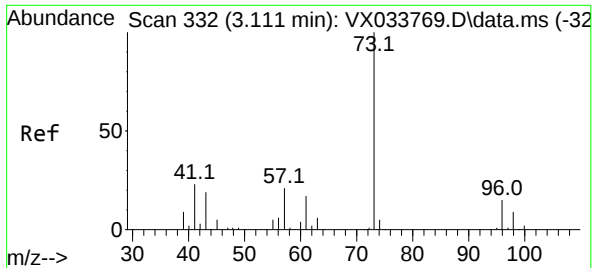
Tgt Ion:	84	Resp:	416
Ion	Ratio	Lower	Upper
84	100		
49	85.0	95.0	142.6#
51	32.2	30.3	45.5
86	41.6	53.0	79.4#



#23
tert-Butyl Alcohol
Concen: 0.245 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.030 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Tgt Ion:	59	Resp:	65
Ion	Ratio	Lower	Upper
59	100		
52	0.0	186.7	280.1#

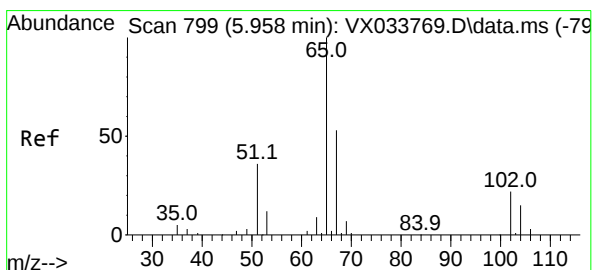
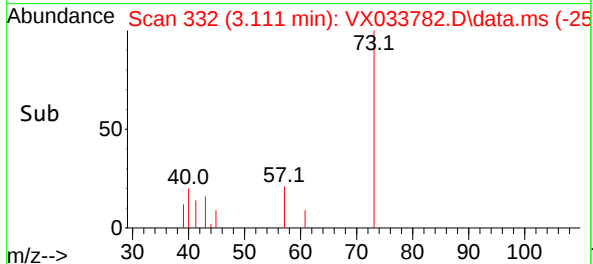
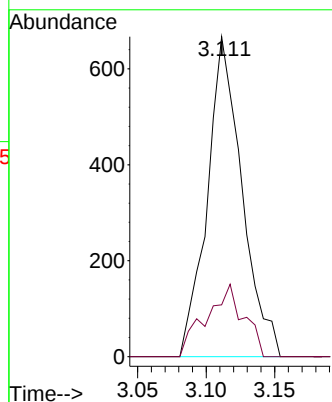
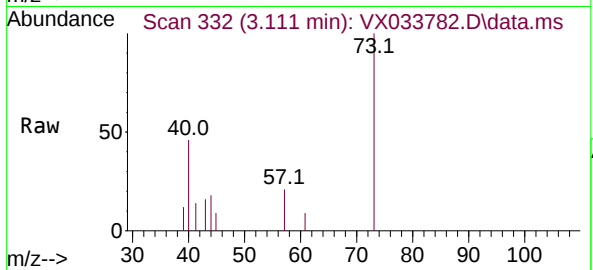




#24
Methyl tert-Butyl Ether
Concen: 0.263 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

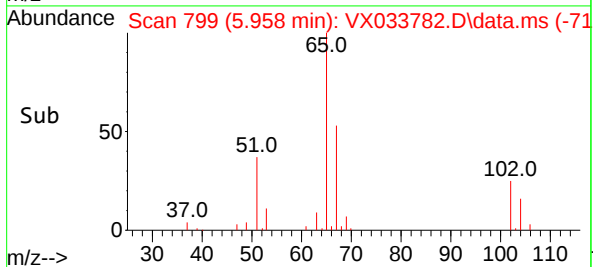
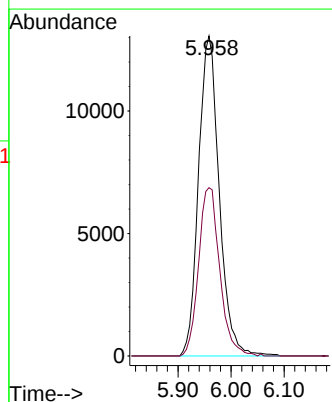
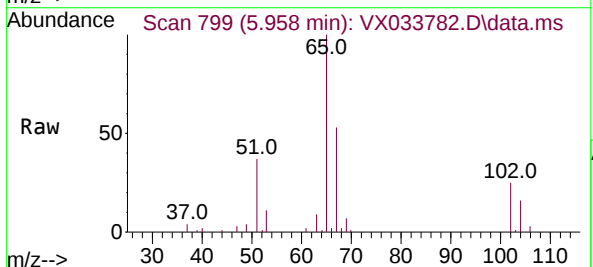
Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

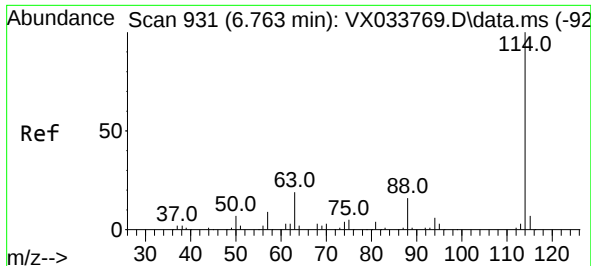
Tgt Ion: 73 Resp: 1175
Ion Ratio Lower Upper
73 100
43 7.8 16.9 25.3#



#27
1,2-Dichloroethane-d4
Concen: 30.156 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Tgt Ion: 65 Resp: 35430
Ion Ratio Lower Upper
65 100
67 53.7 43.0 64.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033782.D

Acq: 18 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

MW-UNK

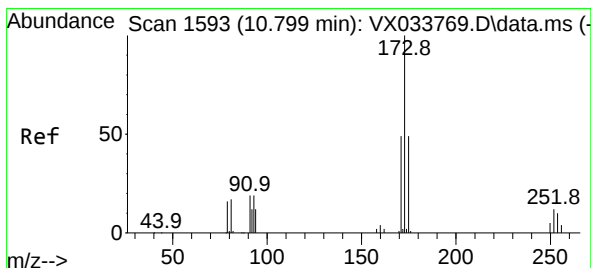
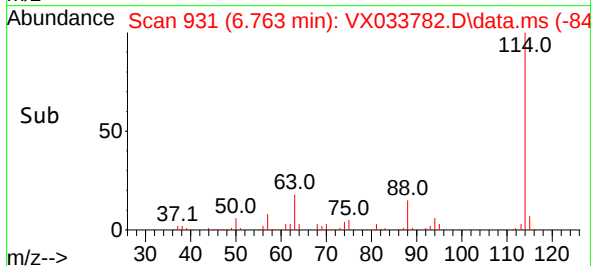
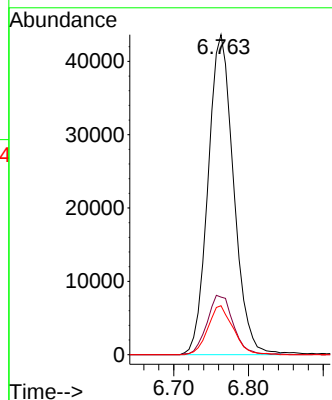
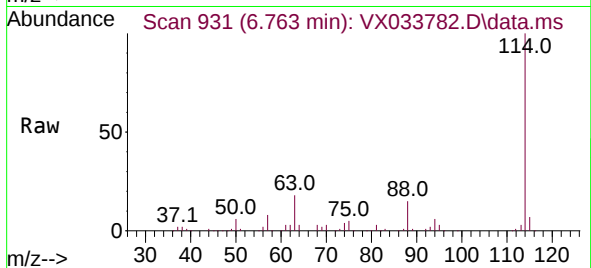
Tgt Ion:114 Resp: 103771

Ion Ratio Lower Upper

114 100

63 18.9 15.2 22.8

88 15.0 12.4 18.6



#56

Bromoform

Concen: 0.414 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX033782.D

Acq: 18 Jan 2023 18:38

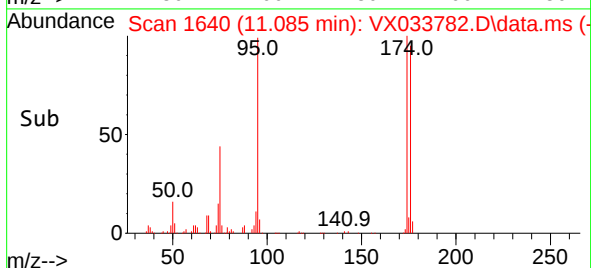
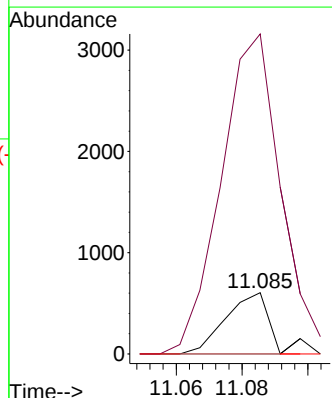
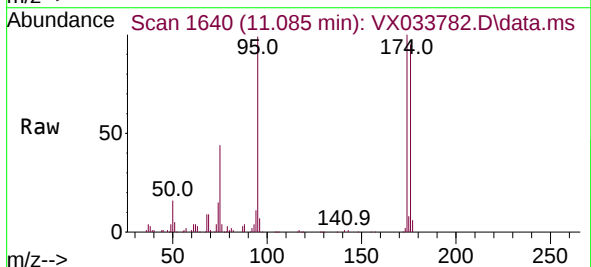
Tgt Ion:173 Resp: 536

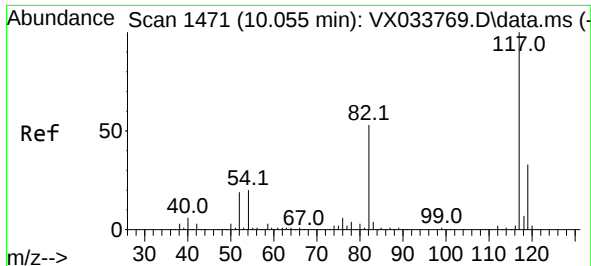
Ion Ratio Lower Upper

173 100

175 745.3 39.8 59.6#

254 0.0 9.0 13.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033782.D

Acq: 18 Jan 2023 18:38

Instrument :

MSVOA_X

ClientSampleId :

MW-UNK

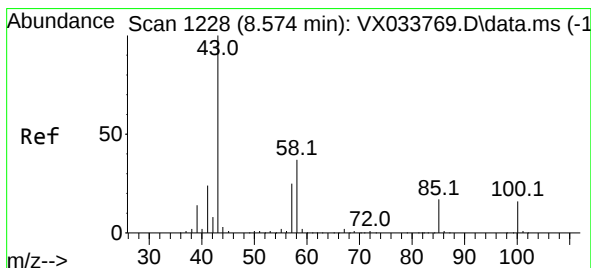
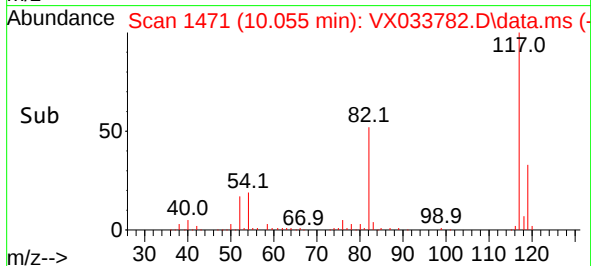
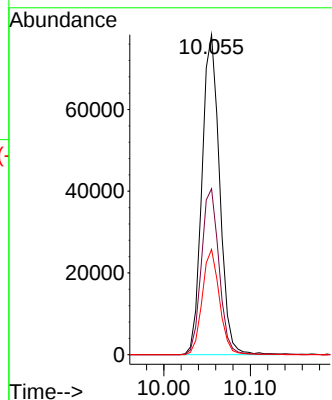
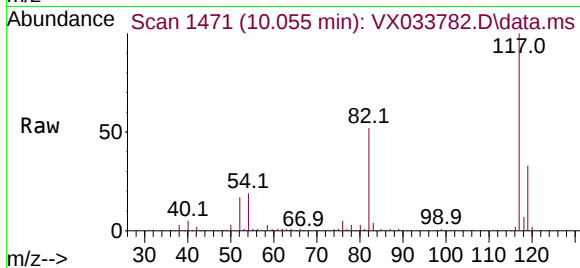
Tgt Ion:117 Resp: 110740

Ion Ratio Lower Upper

117 100

82 52.0 42.6 64.0

119 32.1 26.4 39.6



#58

4-Methyl-2-Pentanone

Concen: 0.259 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX033782.D

Acq: 18 Jan 2023 18:38

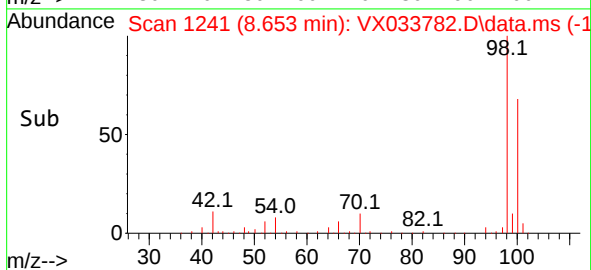
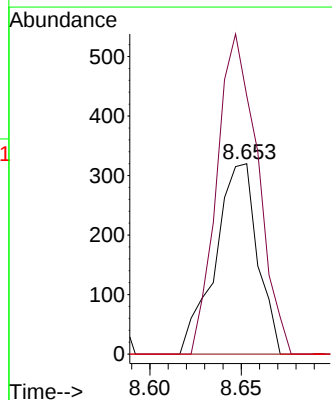
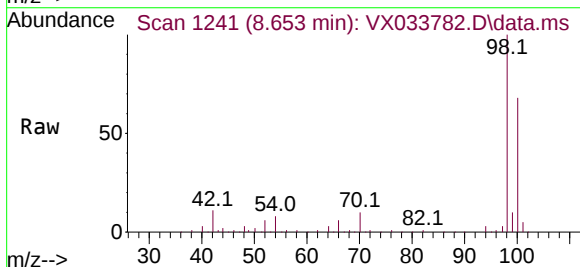
Tgt Ion: 43 Resp: 516

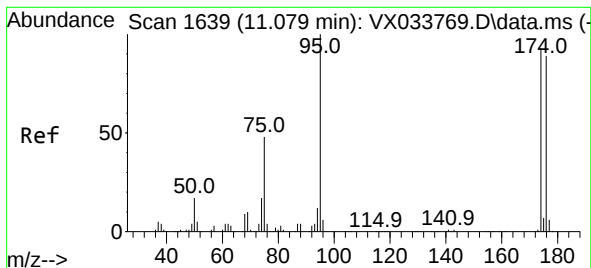
Ion Ratio Lower Upper

43 100

58 161.6 29.8 44.6#

85 0.0 13.7 20.5#

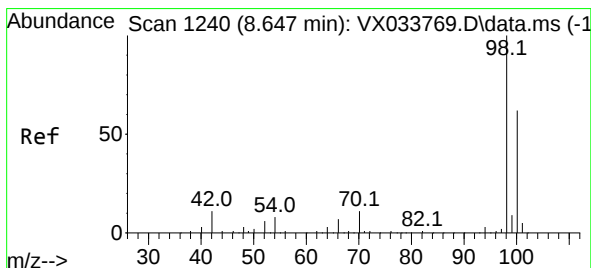
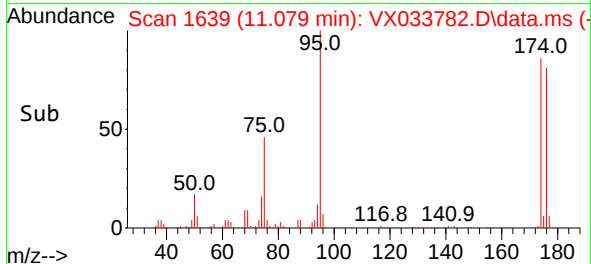
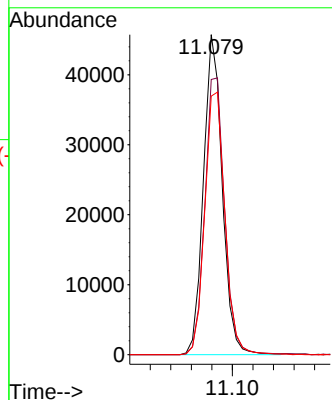
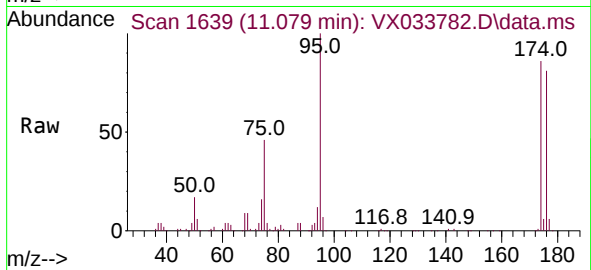




#60
4-Bromofluorobenzene
Concen: 29.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

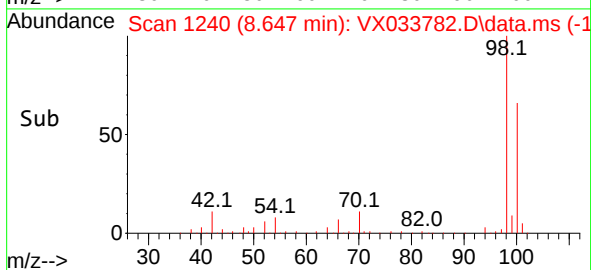
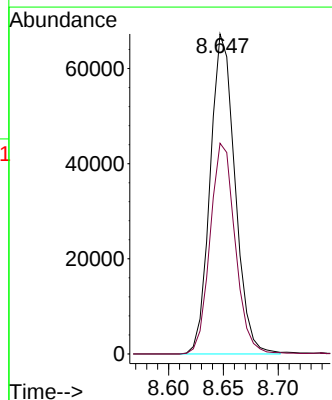
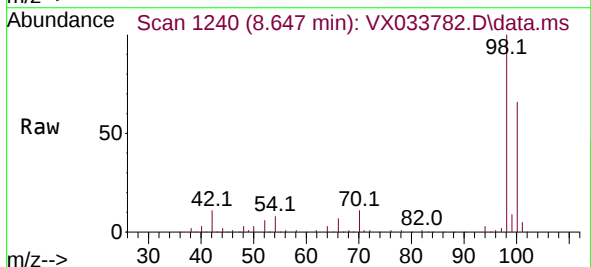
Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

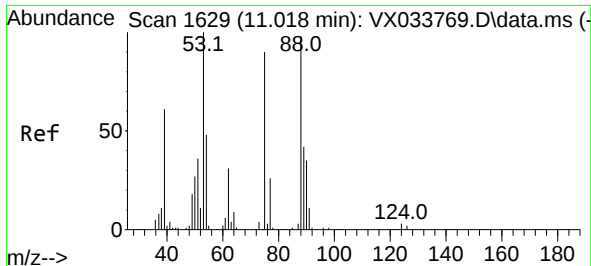
Tgt Ion: 95 Resp: 58238
Ion Ratio Lower Upper
95 100
174 91.5 74.6 111.8
176 87.9 72.2 108.2



#63
Toluene-d8
Concen: 29.982 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Tgt Ion: 98 Resp: 105929
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1

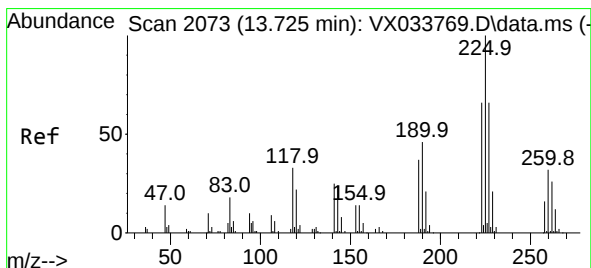
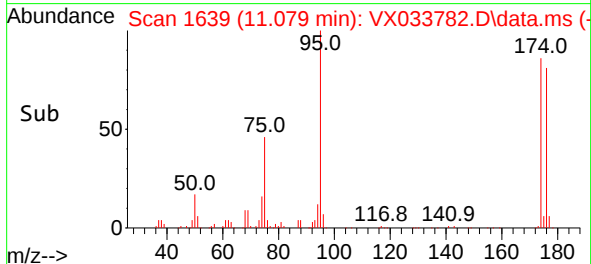
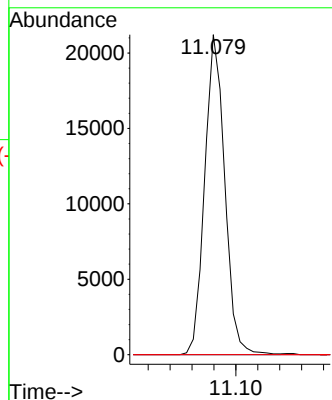
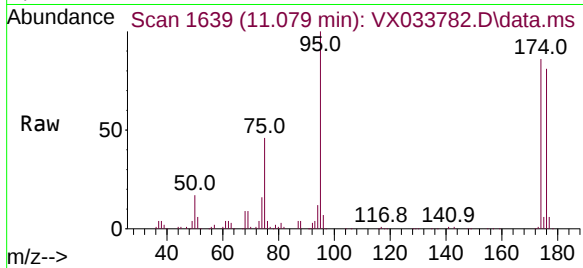




#77
t-1,4-Dichloro-2-butene
Concen: 44.862 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Instrument :
MSVOA_X
ClientSampleId :
MW-UNK

Tgt Ion: 75 Resp: 26929
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.0 23.3 69.8#



#90
Hexachlorobutadiene
Concen: 0.308 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033782.D
Acq: 18 Jan 2023 18:38

Tgt Ion: 225 Resp: 339
Ion Ratio Lower Upper
225 100
223 52.2 0.0 127.6
227 69.3 0.0 131.2

