

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033778.D
 Acq On : 18 Jan 2023 16:42
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 19 03:31:31 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

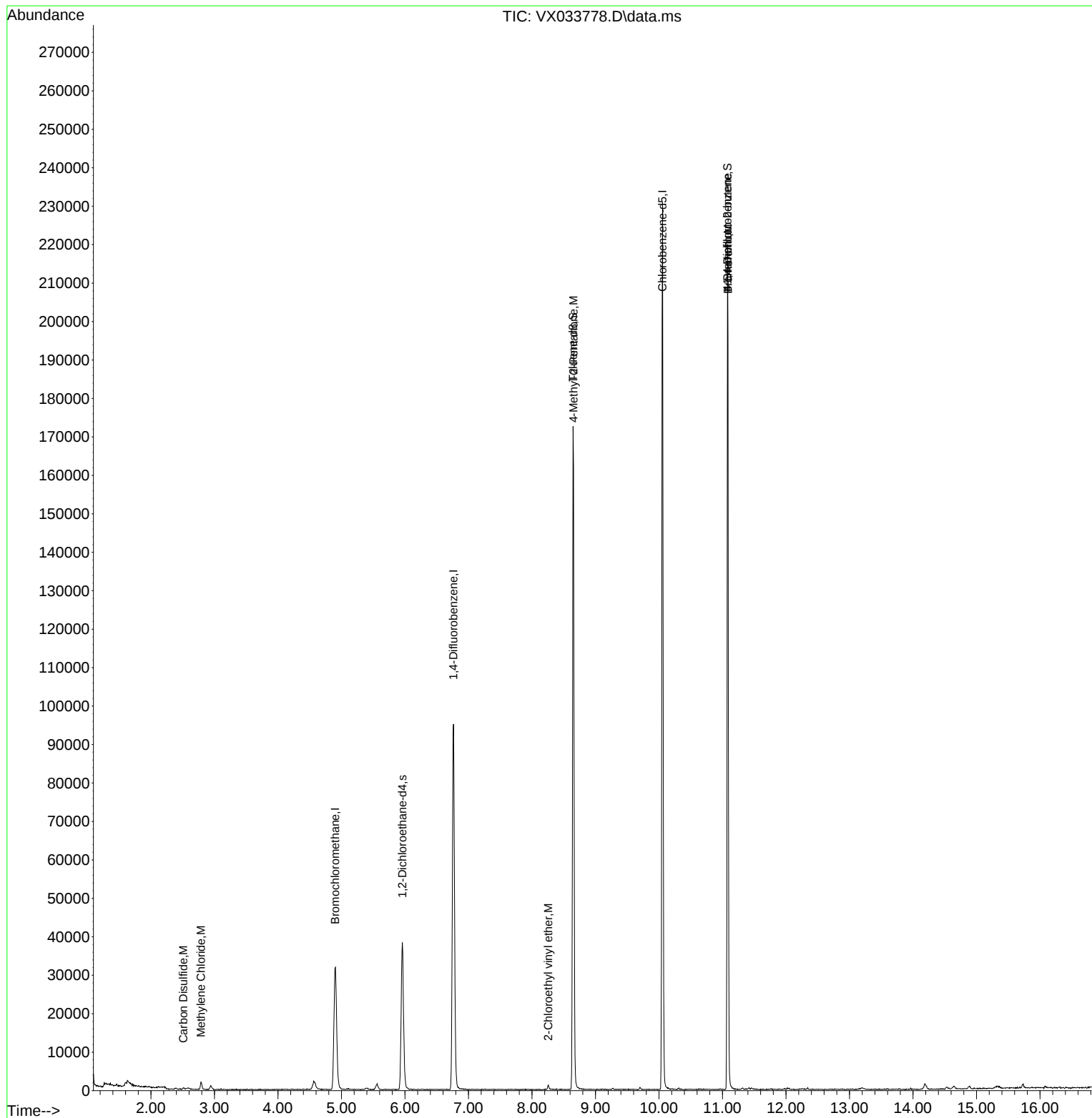
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

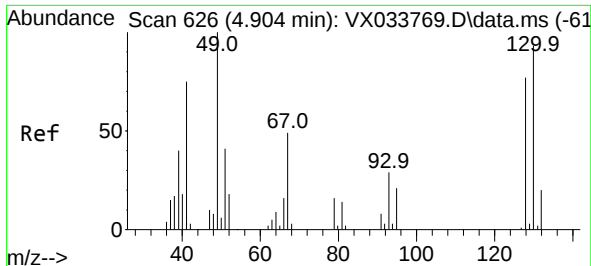
Internal Standards						
1) Bromochloromethane	4.898	128	14418	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	101593	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110321	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36540	32.749	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.167%	
60) 4-Bromofluorobenzene	11.079	95	57054	28.929	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 96.433%	
63) Toluene-d8	8.647	98	105910	30.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.300%	
Target Compounds						
					Qvalue	
16) Carbon Disulfide	2.508	76	673	0.214	ug/l #	77
18) Methylene Chloride	2.788	84	924	0.640	ug/l	84
55) 2-Chloroethyl vinyl ether	8.257	63	459	0.441	ug/l	94
56) Bromoform	11.085	173	746	0.589	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	445	0.224	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27124	45.358	ug/l #	6

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

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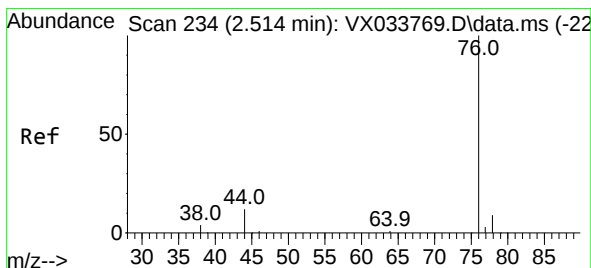
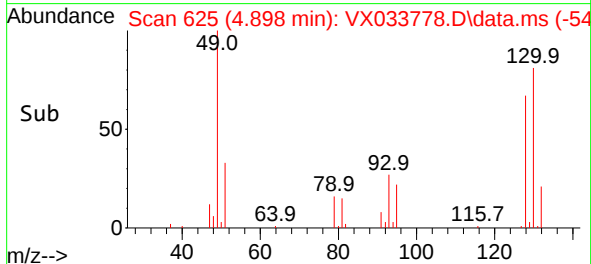
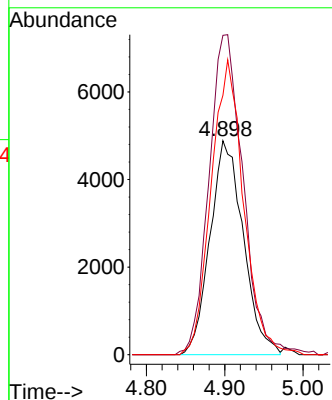
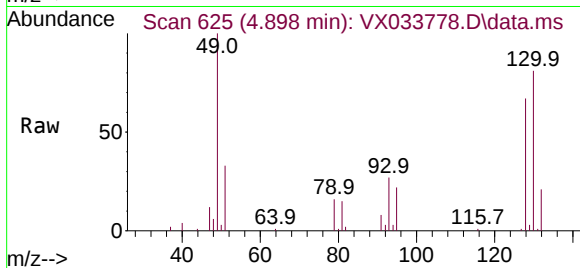




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

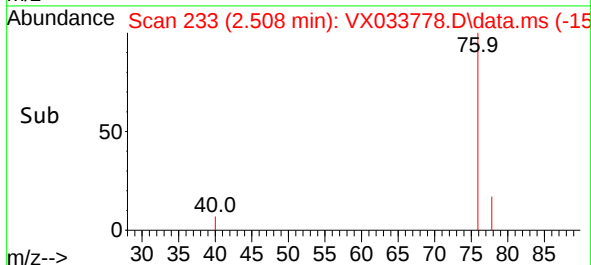
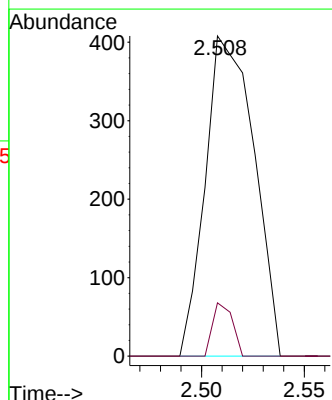
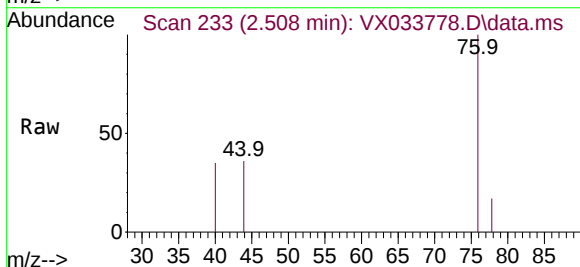
Instrument :
MSVOA_X
ClientSampleId :
IBLK

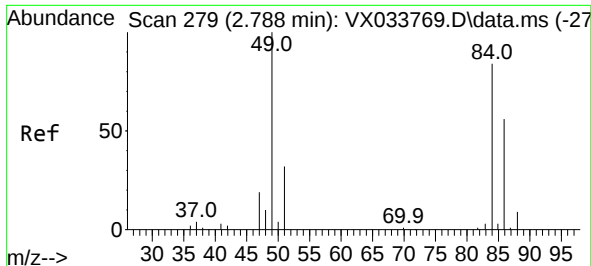
Tgt Ion:128 Resp: 14418
Ion Ratio Lower Upper
128 100
49 152.8 0.0 369.0
130 134.8 0.0 327.5



#16
Carbon Disulfide
Concen: 0.214 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 76 Resp: 673
Ion Ratio Lower Upper
76 100
78 16.7 6.9 10.3#

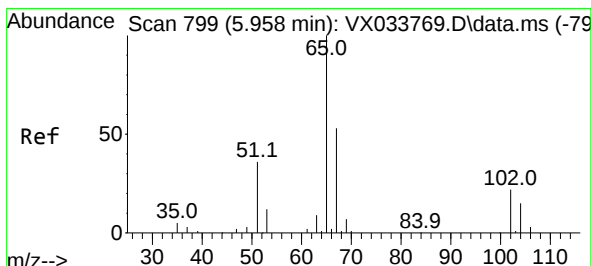
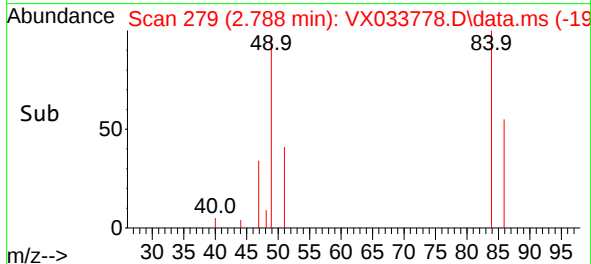
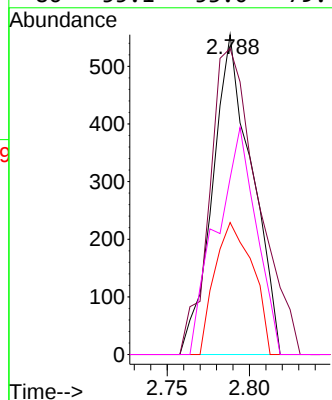
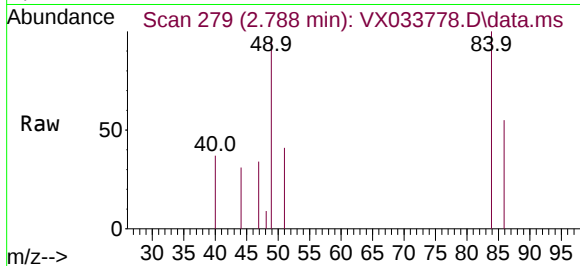




#18
Methylene Chloride
Concen: 0.640 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

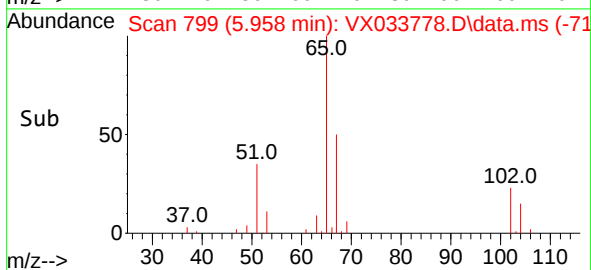
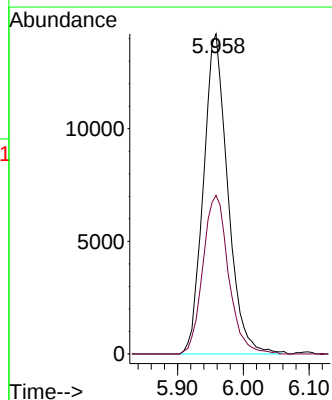
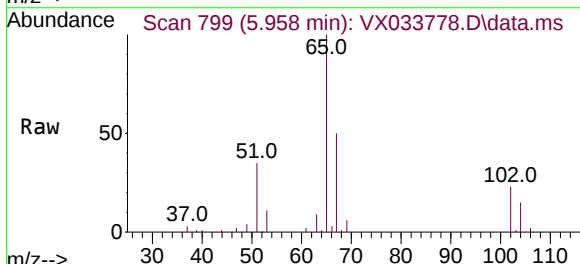
Instrument :
MSVOA_X
ClientSampleId :
IBLK

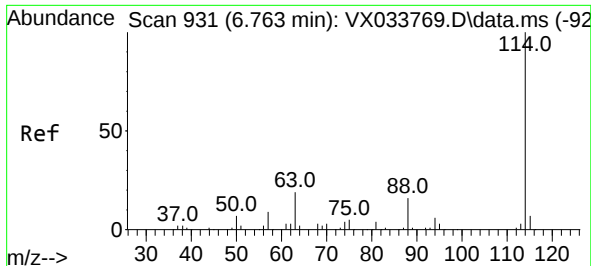
Tgt Ion: 84	Resp: 924
Ion Ratio	Lower Upper
84 100	
49 95.7	95.0 142.6
51 41.3	30.3 45.5
86 55.1	53.0 79.4



#27
1,2-Dichloroethane-d4
Concen: 32.749 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 65	Resp: 36540
Ion Ratio	Lower Upper
65 100	
67 52.4	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: VX033778.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

IBLK

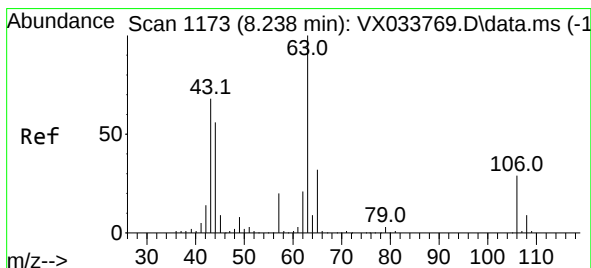
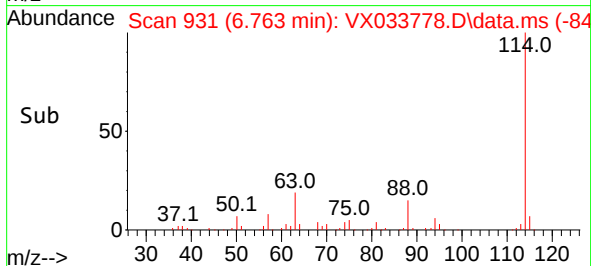
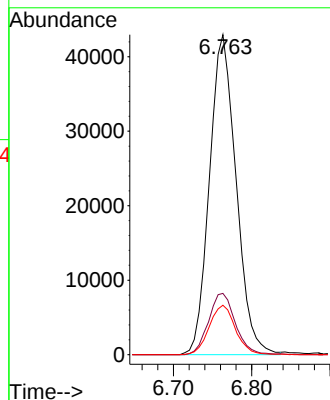
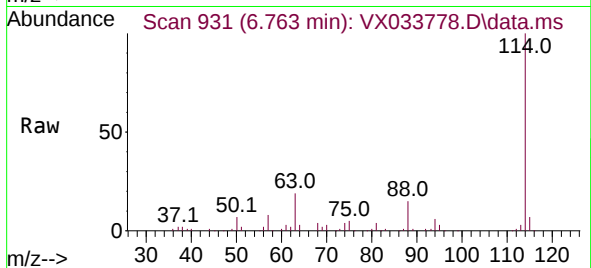
Tgt Ion:114 Resp: 101593

Ion Ratio Lower Upper

114 100

63 19.3 15.2 22.8

88 15.2 12.4 18.6



#55

2-Chloroethyl vinyl ether

Concen: 0.441 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.018 min

Lab File: VX033778.D

Acq: 18 Jan 2023 16:42

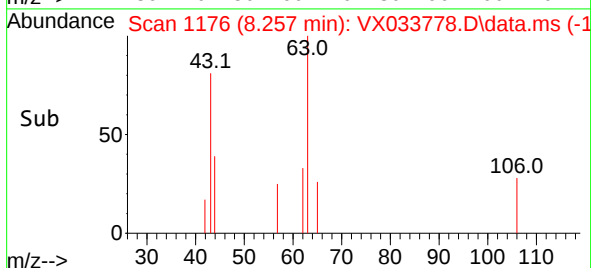
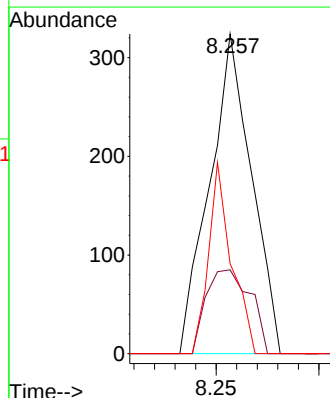
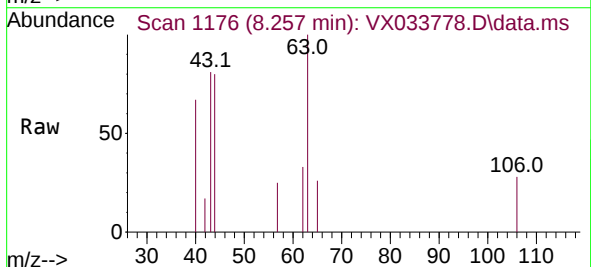
Tgt Ion: 63 Resp: 459

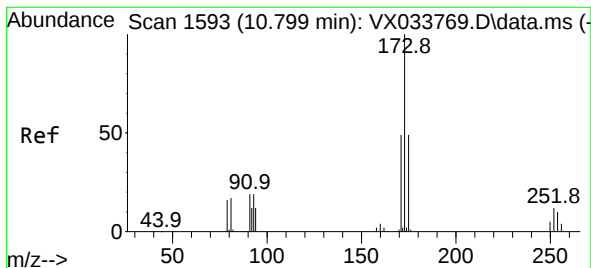
Ion Ratio Lower Upper

63 100

65 27.7 25.4 38.2

106 32.7 23.9 35.9





#56

Bromoform

Concen: 0.589 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX033778.D

Acq: 18 Jan 2023 16:42

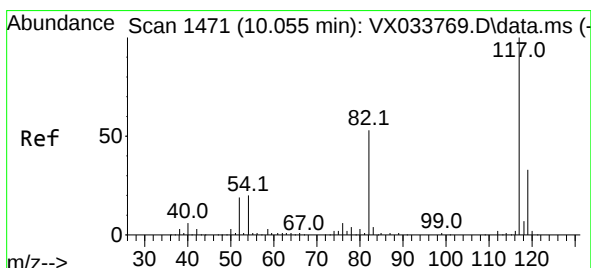
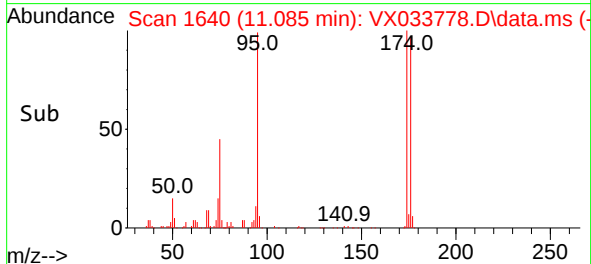
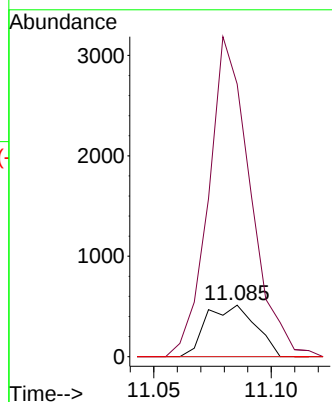
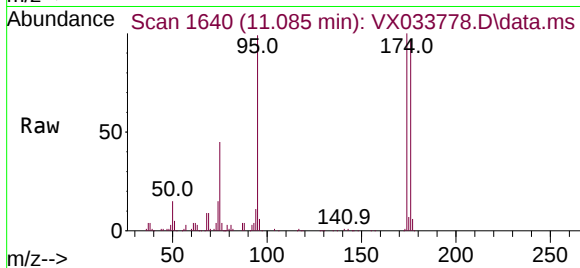
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	173	Resp:	746
Ion	Ratio	Lower	Upper
173	100		
175	528.8	39.8	59.6#
254	0.0	9.0	13.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

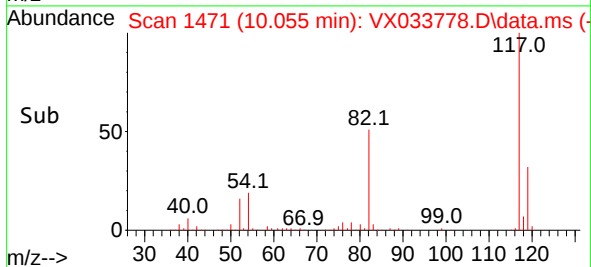
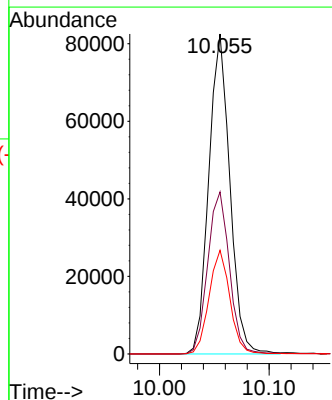
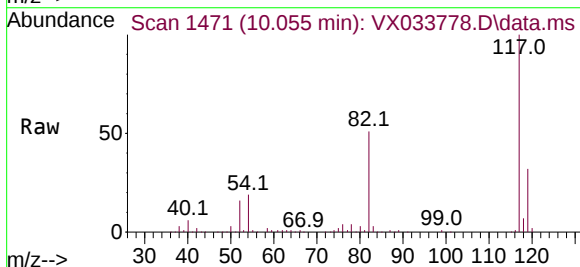
RT: 10.055 min Scan# 1471

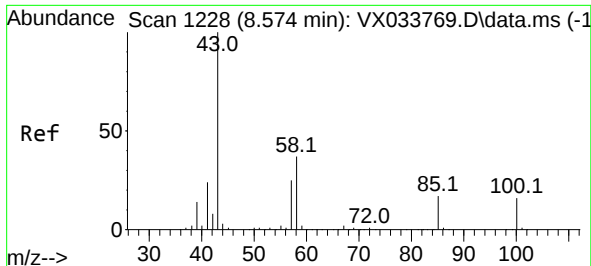
Delta R.T. 0.000 min

Lab File: VX033778.D

Acq: 18 Jan 2023 16:42

Tgt Ion:	117	Resp:	110321
Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.1	26.4	39.6





#58

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX033778.D

Acq: 18 Jan 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

IBLK

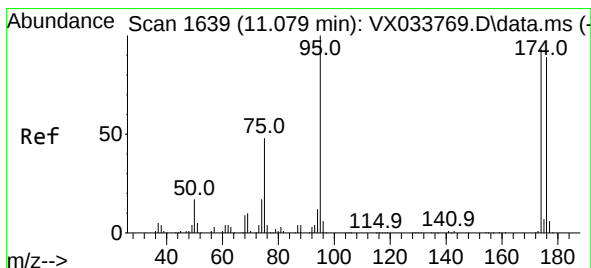
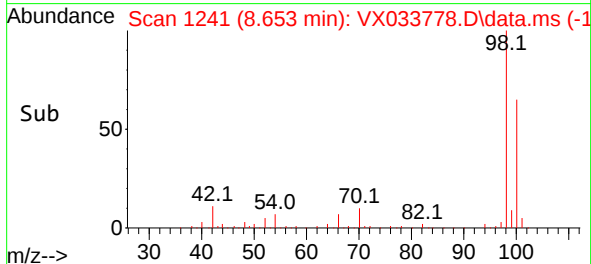
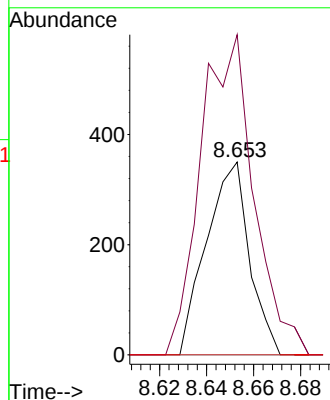
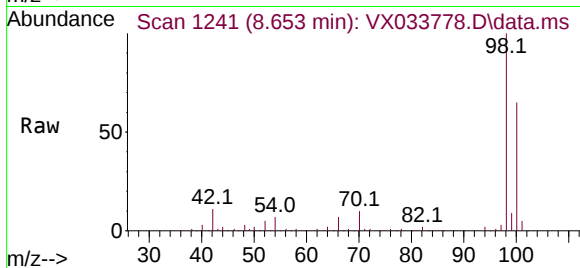
Tgt Ion: 43 Resp: 445

Ion Ratio Lower Upper

43 100

58 205.2 29.8 44.6#

85 0.0 13.7 20.5#



#60

4-Bromofluorobenzene

Concen: 28.929 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033778.D

Acq: 18 Jan 2023 16:42

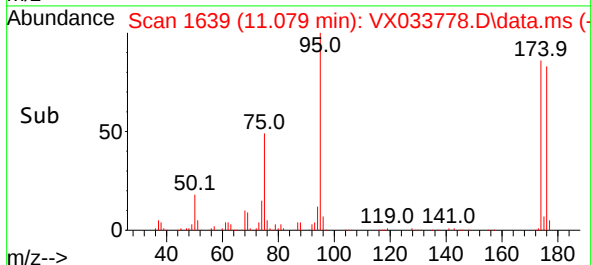
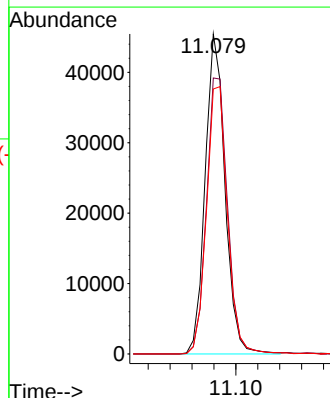
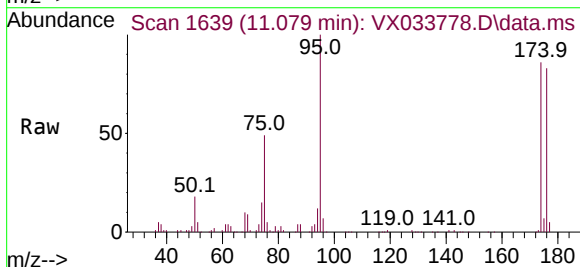
Tgt Ion: 95 Resp: 57054

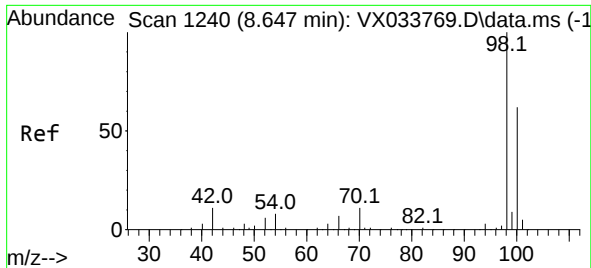
Ion Ratio Lower Upper

95 100

174 91.8 74.6 111.8

176 88.6 72.2 108.2

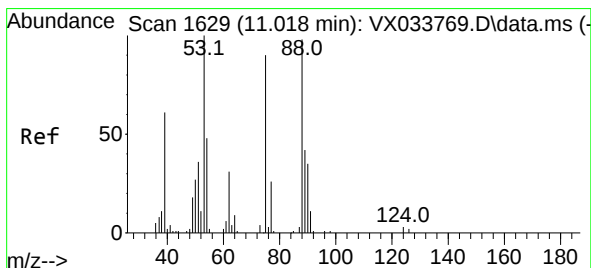
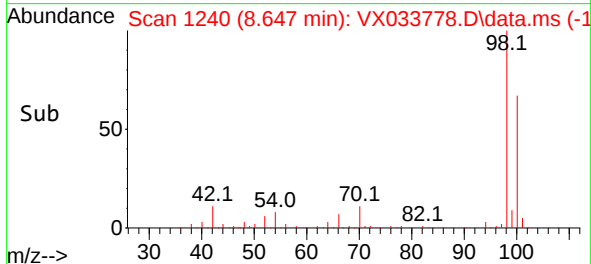
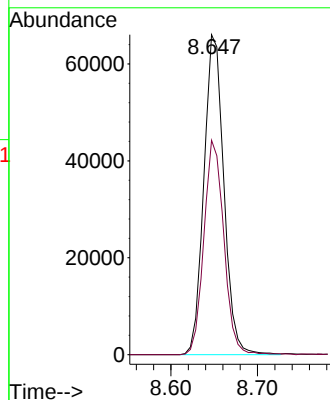
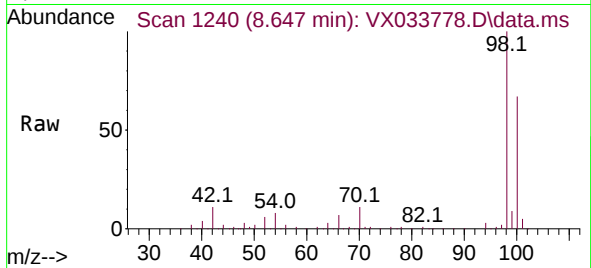




#63
Toluene-d8
Concen: 30.090 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

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Tgt Ion: 98 Resp: 105910
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 45.358 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033778.D
Acq: 18 Jan 2023 16:42

Tgt Ion: 75 Resp: 27124
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.0 23.3 69.8#

