

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033783.D
 Acq On : 18 Jan 2023 19:01
 Operator : JC/MD
 Sample : 01186-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP04

Quant Time: Jan 19 03:33:49 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)

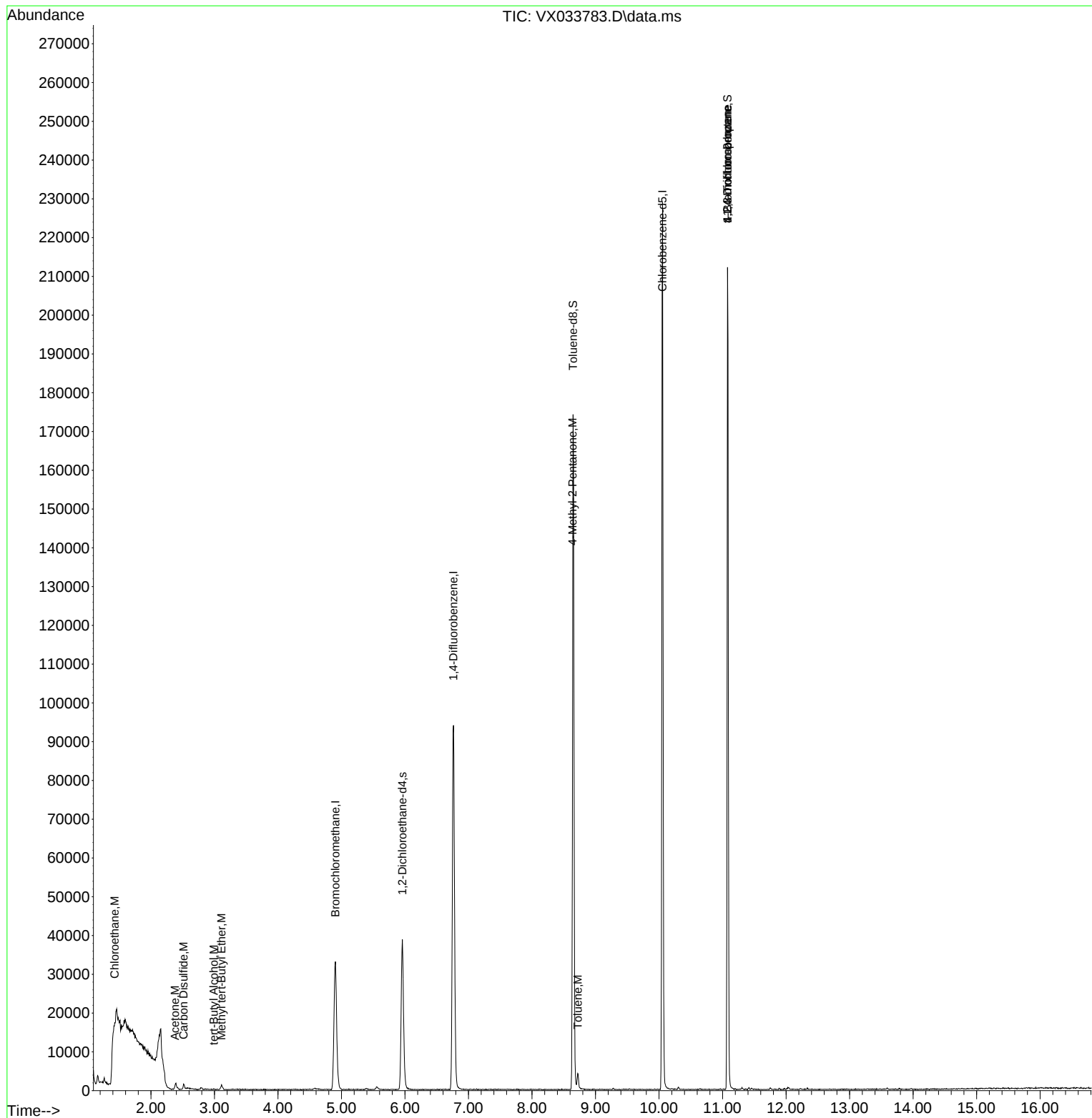
Internal Standards						
1) Bromochloromethane	4.904	128	15040	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	102985	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	109058	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36661	31.498	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.000%
60) 4-Bromofluorobenzene	11.079	95	55897	28.670	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.567%
63) Toluene-d8	8.647	98	106409	30.582	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.933%
Target Compounds						
					Qvalue	
6) Chloroethane	1.429	64	32505	39.956	ug/l #	50
15) Acetone	2.380	58	503	2.201	ug/l	71
16) Carbon Disulfide	2.514	76	1855	0.566	ug/l	99
23) tert-Butyl Alcohol	2.989	59	113	0.430	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	1130	0.255	ug/l #	88
58) 4-Methyl-2-Pentanone	8.641	43	473	0.241	ug/l #	1
62) Toluene	8.720	91	2839	0.465	ug/l	94
72) 1,2,3-Trichloropropane	11.079	75	27051	14.060	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	27051	45.760	ug/l #	6

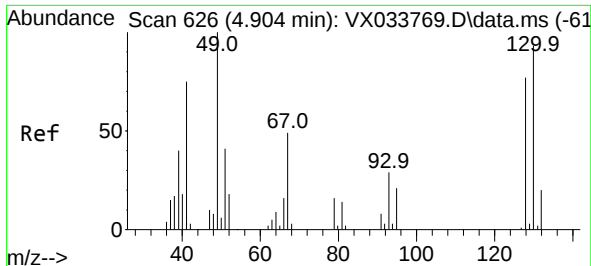
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
Data File : VX033783.D
Acq On : 18 Jan 2023 19:01
Operator : JC/MD
Sample : 01186-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TWP04

Quant Time: Jan 19 03:33:49 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

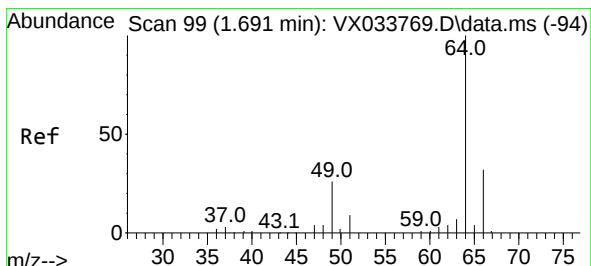
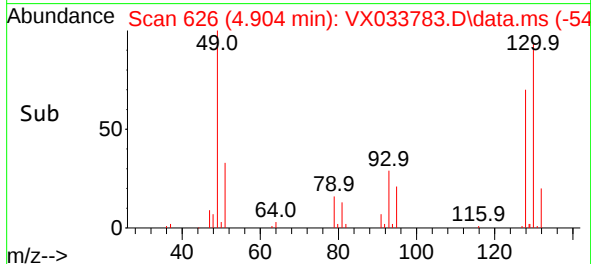
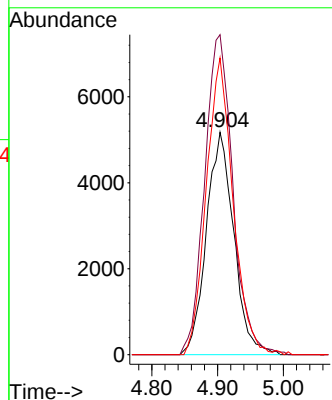
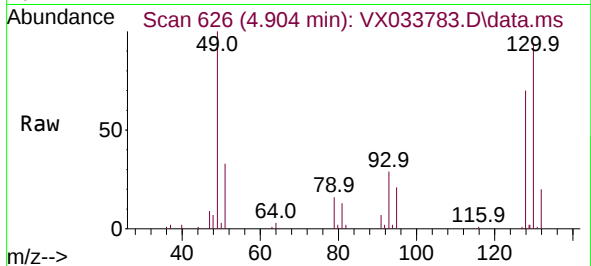




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

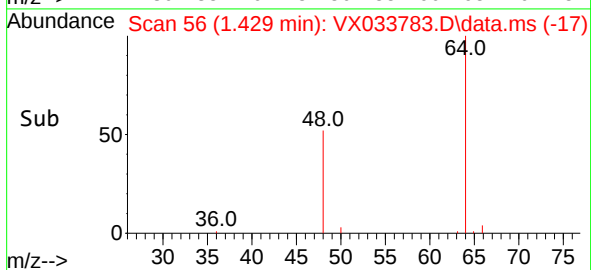
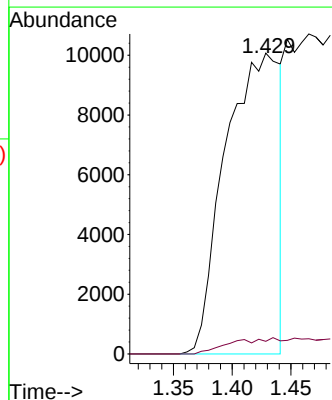
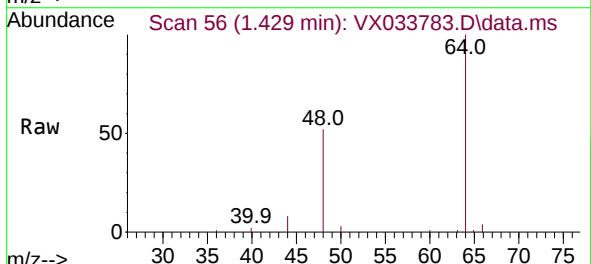
Instrument :
MSVOA_X
ClientSampleId :
TWP04

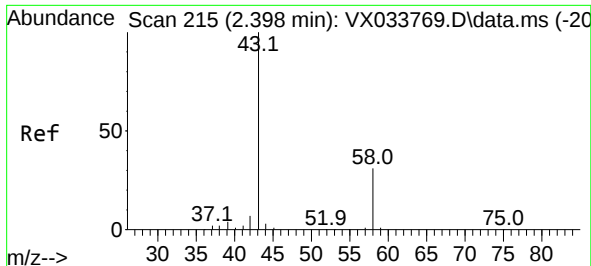
Tgt Ion:128 Resp: 15040
Ion Ratio Lower Upper
128 100
49 147.8 0.0 369.0
130 129.9 0.0 327.5



#6
Chloroethane
Concen: 39.956 ug/l
RT: 1.429 min Scan# 56
Delta R.T. -0.262 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

Tgt Ion: 64 Resp: 32505
Ion Ratio Lower Upper
64 100
66 4.2 25.4 38.0





#15

Acetone

Concen: 2.201 ug/l

RT: 2.380 min Scan# 215

Delta R.T. -0.018 min

Lab File: VX033783.D

Acq: 18 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

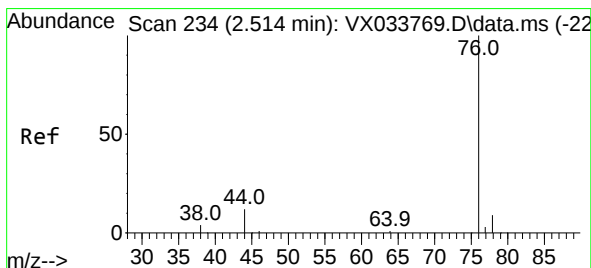
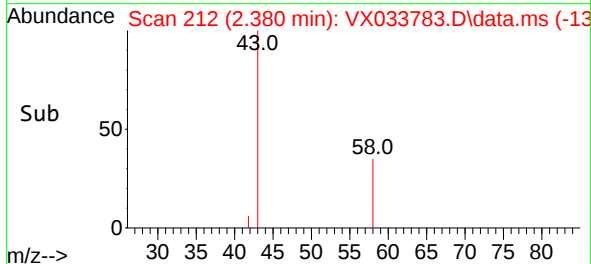
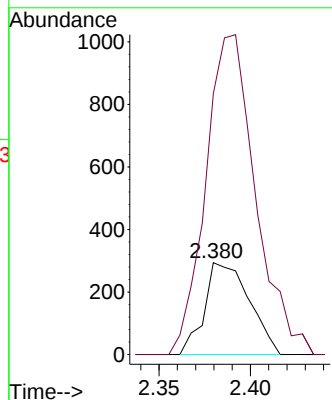
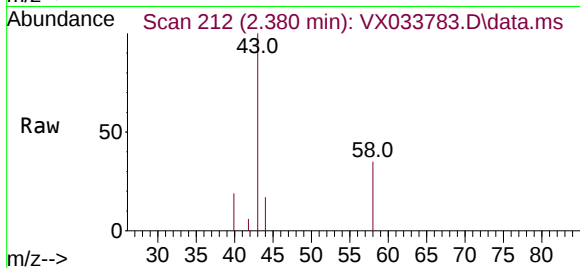
TWP04

Tgt Ion: 58 Resp: 503

Ion Ratio Lower Upper

58 100

43 262.6 258.6 388.0



#16

Carbon Disulfide

Concen: 0.566 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033783.D

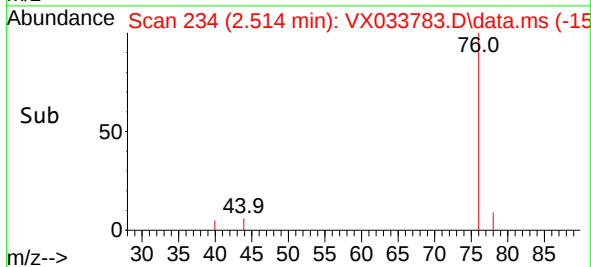
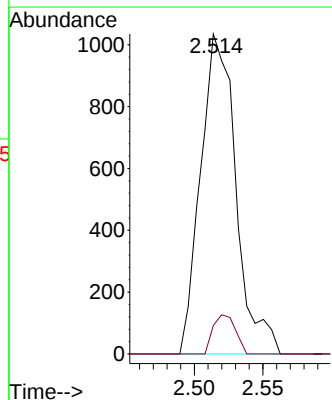
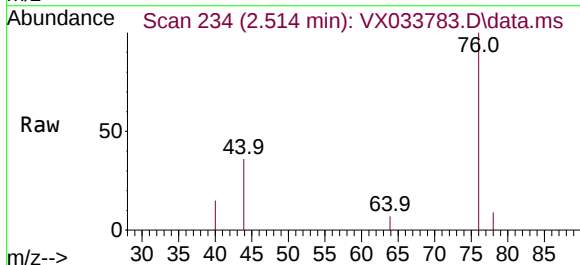
Acq: 18 Jan 2023 19:01

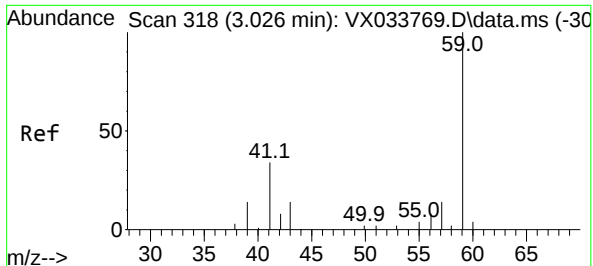
Tgt Ion: 76 Resp: 1855

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3

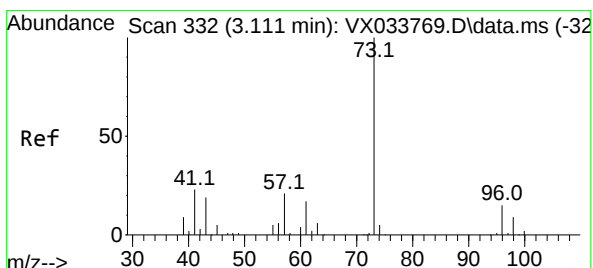
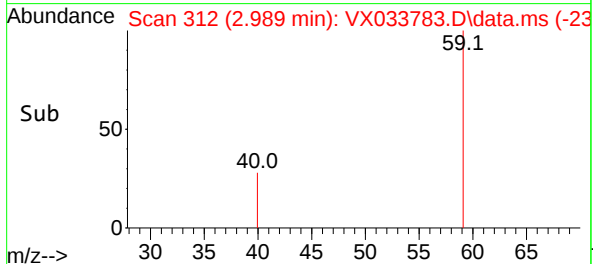
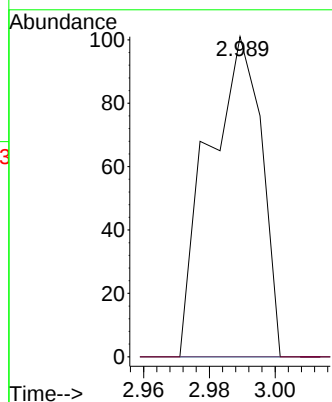
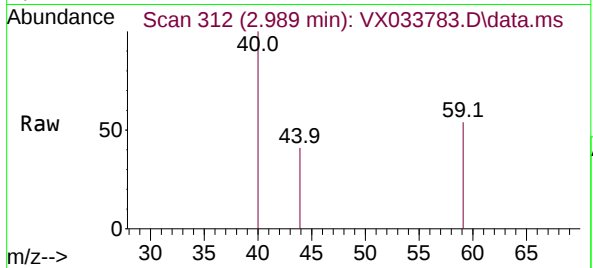




#23
tert-Butyl Alcohol
Concen: 0.430 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.037 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

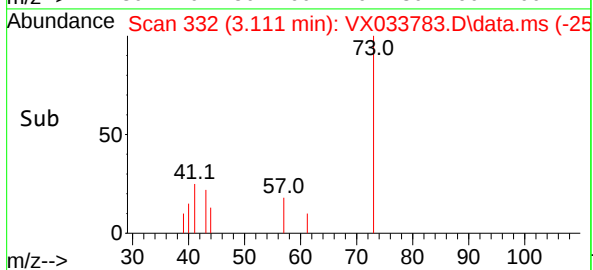
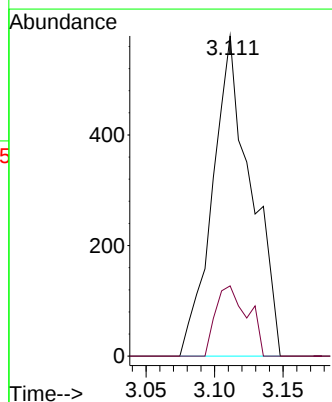
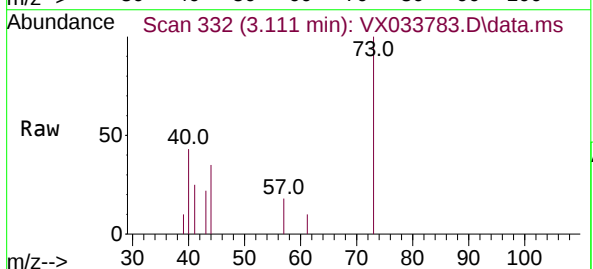
Instrument :
MSVOA_X
ClientSampleId :
TWP04

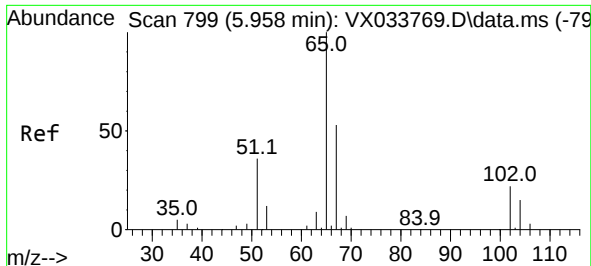
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
52 0.0 186.7 280.1#



#24
Methyl tert-Butyl Ether
Concen: 0.255 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

Tgt Ion: 73 Resp: 1130
Ion Ratio Lower Upper
73 100
43 15.3 16.9 25.3#





#27

1,2-Dichloroethane-d4

Concen: 31.498 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033783.D

Acq: 18 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

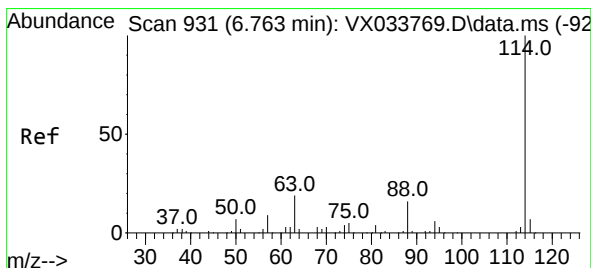
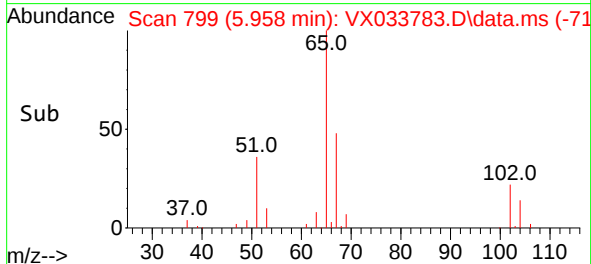
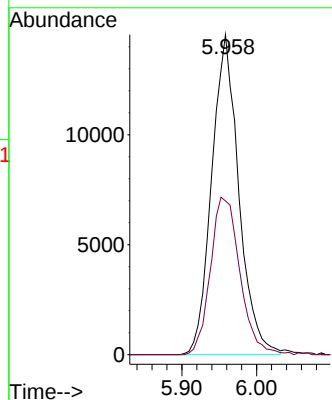
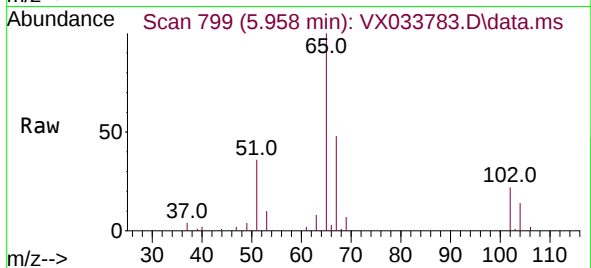
TWP04

Tgt Ion: 65 Resp: 36661

Ion Ratio Lower Upper

65 100

67 53.5 43.0 64.4



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033783.D

Acq: 18 Jan 2023 19:01

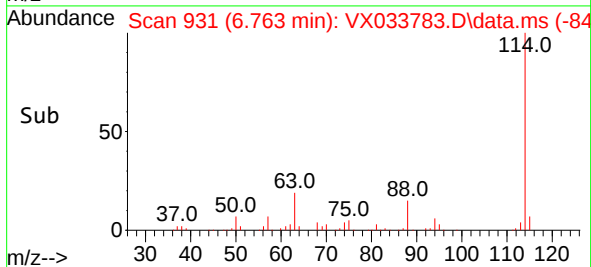
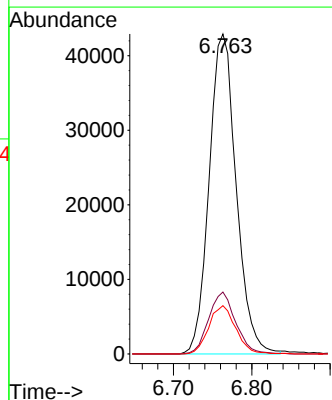
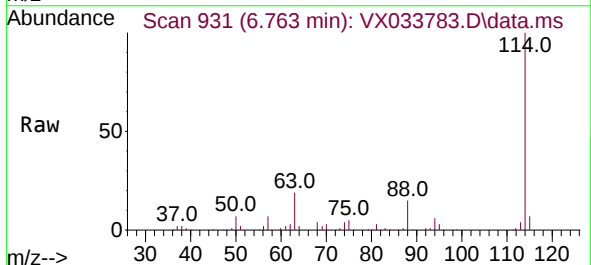
Tgt Ion: 114 Resp: 102985

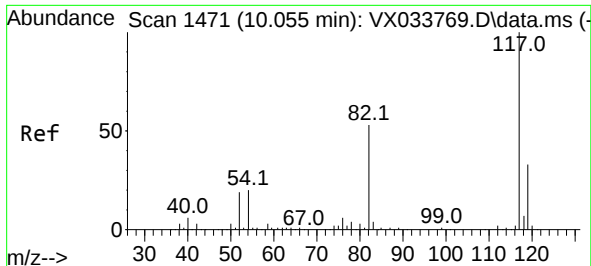
Ion Ratio Lower Upper

114 100

63 19.3 15.2 22.8

88 15.0 12.4 18.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033783.D

Acq: 18 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

TWP04

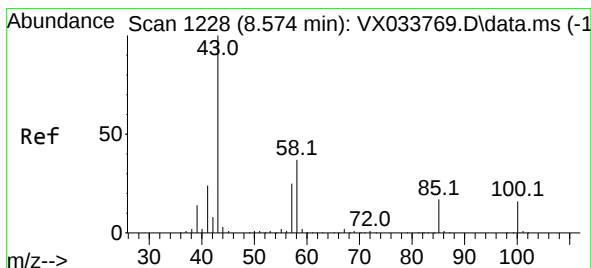
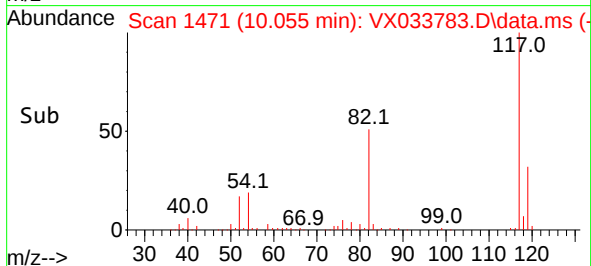
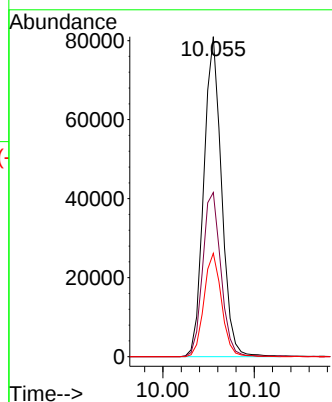
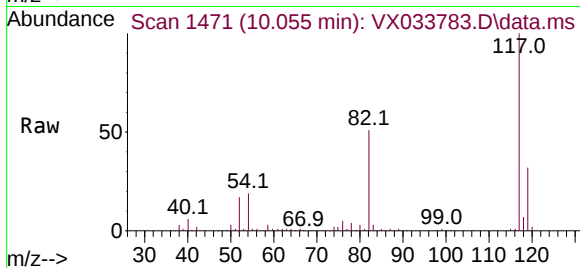
Tgt Ion:117 Resp: 109058

Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

119 31.9 26.4 39.6



#58

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX033783.D

Acq: 18 Jan 2023 19:01

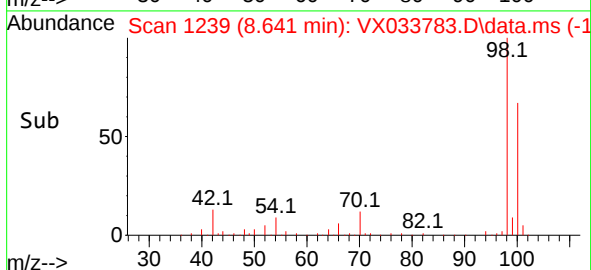
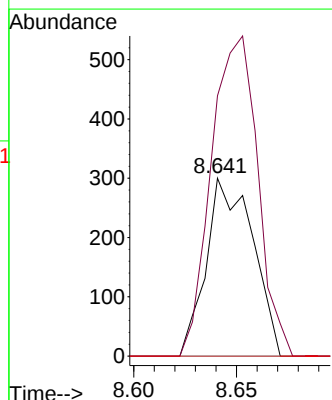
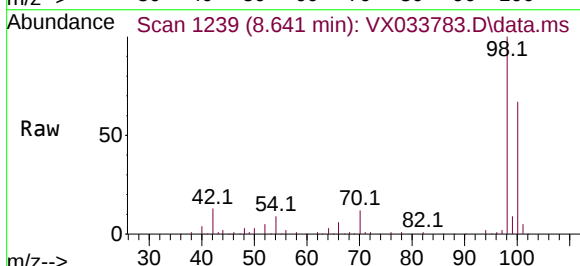
Tgt Ion: 43 Resp: 473

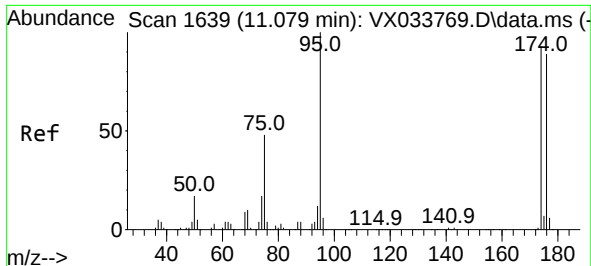
Ion Ratio Lower Upper

43 100

58 179.3 29.8 44.6#

85 0.0 13.7 20.5#

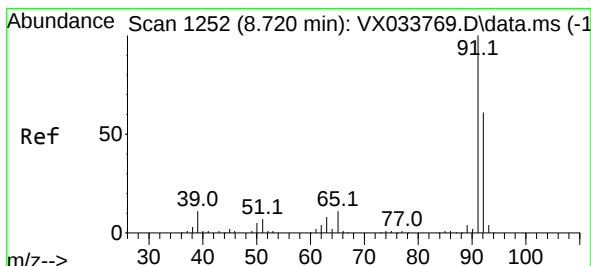
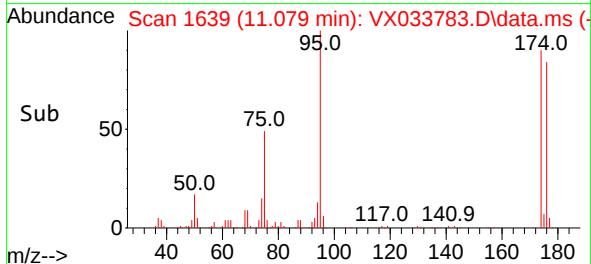
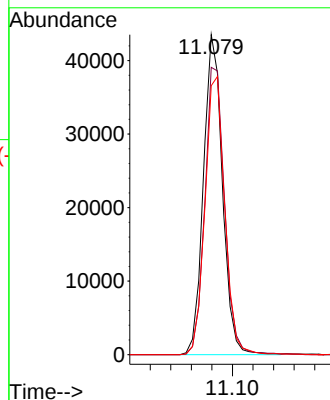
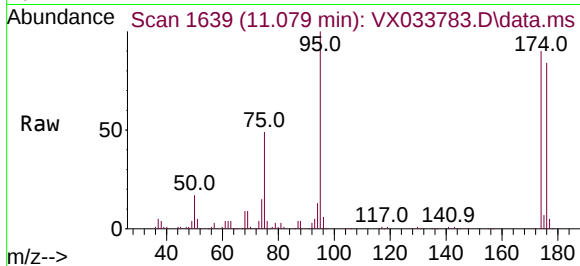




#60
4-Bromofluorobenzene
Concen: 28.670 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

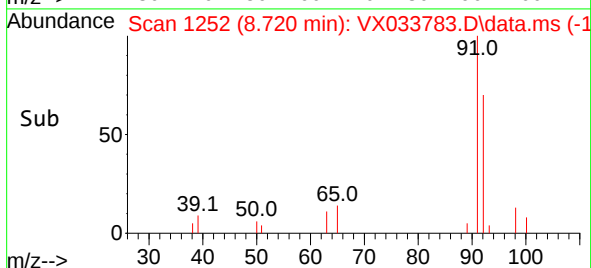
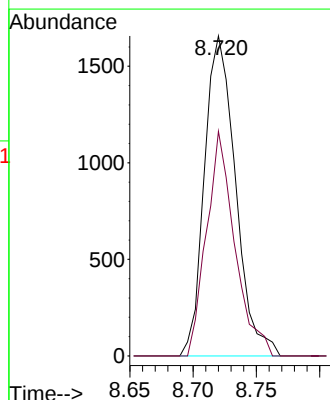
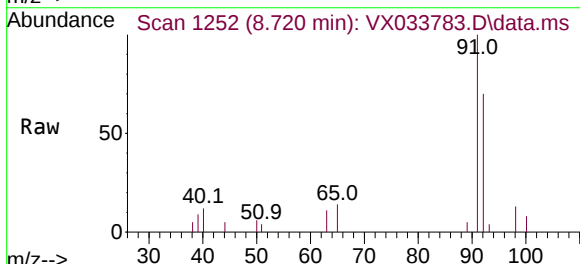
Instrument :
MSVOA_X
ClientSampleId :
TWP04

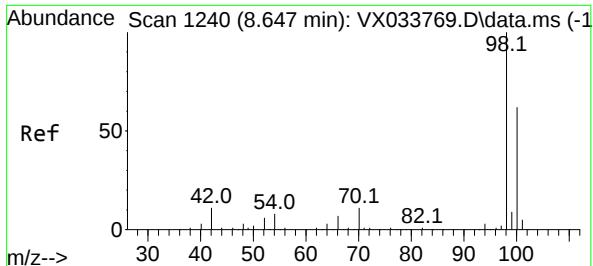
Tgt Ion: 95 Resp: 55897
Ion Ratio Lower Upper
95 100
174 93.2 74.6 111.8
176 90.3 72.2 108.2



#62
Toluene
Concen: 0.465 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

Tgt Ion: 91 Resp: 2839
Ion Ratio Lower Upper
91 100
92 63.7 47.5 71.3

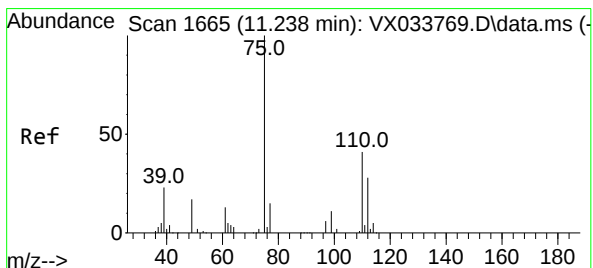
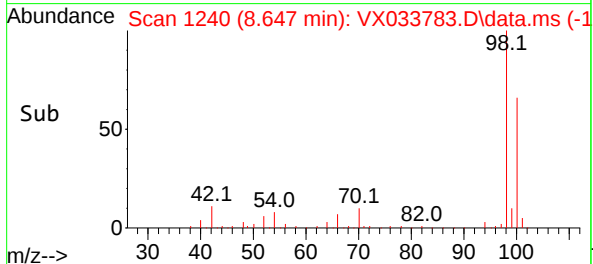
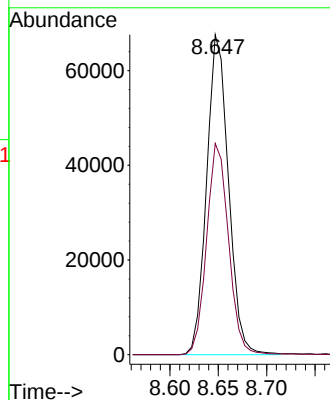
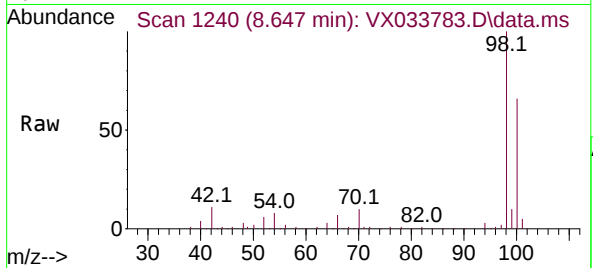




#63
Toluene-d8
Concen: 30.582 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

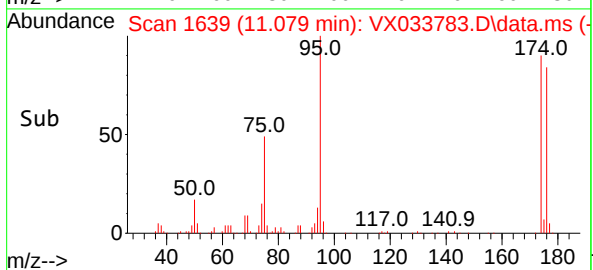
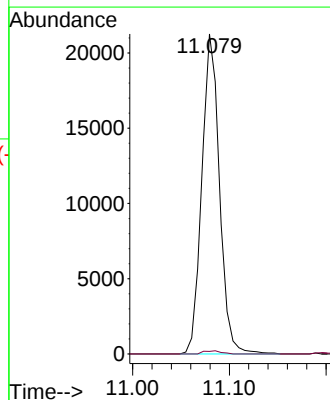
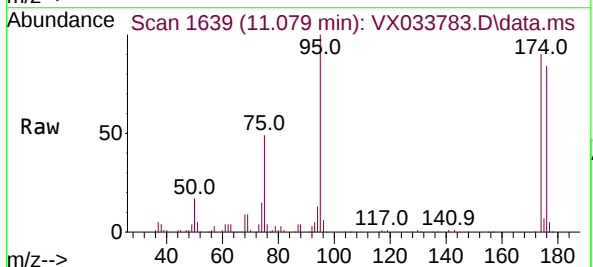
Instrument :
MSVOA_X
ClientSampleId :
TWP04

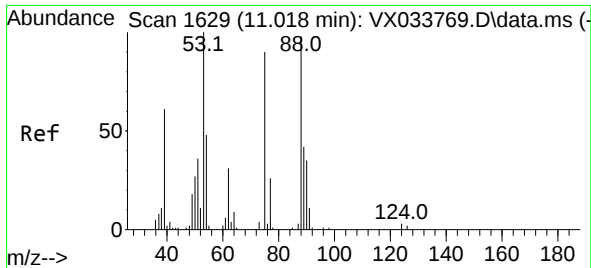
Tgt Ion: 98 Resp: 106409
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 14.060 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX033783.D
Acq: 18 Jan 2023 19:01

Tgt Ion: 75 Resp: 27051
Ion Ratio Lower Upper
75 100
77 1.0 0.0 75.6





#77

t-1,4-Dichloro-2-butene

Concen: 45.760 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX033783.D

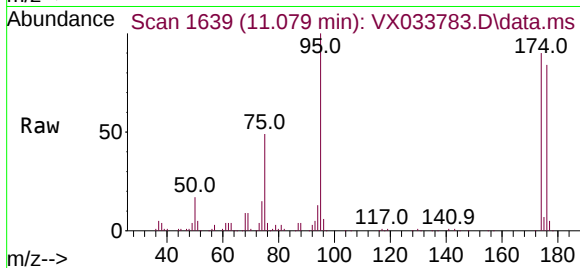
Acq: 18 Jan 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

TWP04



Tgt Ion: 75 Resp: 27051

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.3#

89 0.0 23.3 69.8#

