

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033784.D
 Acq On : 18 Jan 2023 19:24
 Operator : JC/MD
 Sample : 01209-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

Quant Time: Jan 19 03:34:07 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)

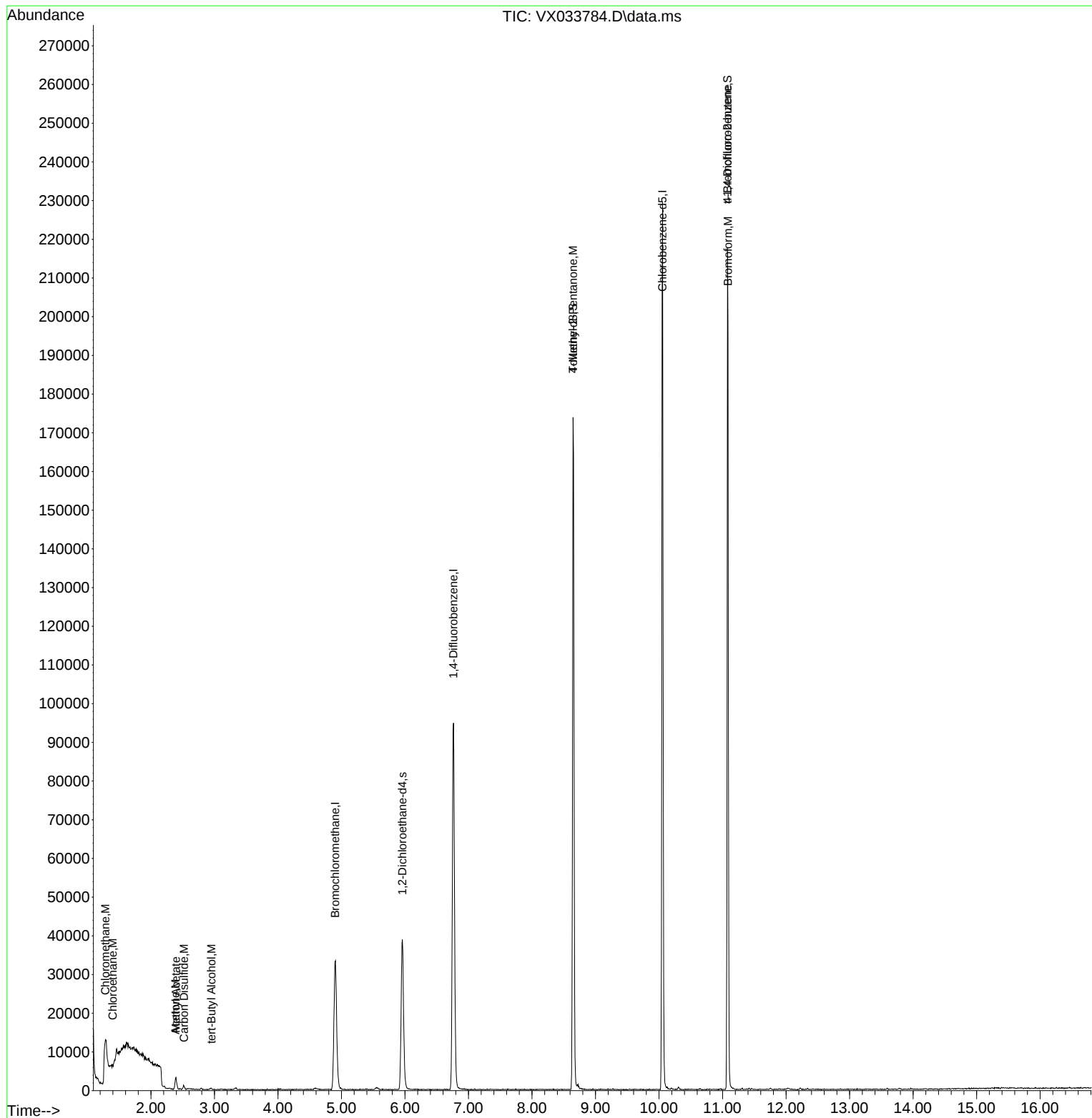
Internal Standards						
1) Bromochloromethane	4.898	128	15389	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	103892	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	38278	32.142	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.133%
60) 4-Bromofluorobenzene	11.079	95	57610	29.079	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.933%
63) Toluene-d8	8.647	98	106441	30.105	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	477	0.301	ug/l #	43
6) Chloroethane	1.398	64	555	0.667	ug/l #	58
12) Methyl Acetate	2.392	43	3812	1.597	ug/l #	54
15) Acetone	2.386	58	1073	4.589	ug/l	82
16) Carbon Disulfide	2.520	76	1292	0.385	ug/l #	76
23) tert-Butyl Alcohol	2.953	59	70	0.261	ug/l #	1
56) Bromoform	11.085	173	606	0.468	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	429	0.215	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27080	45.080	ug/l #	6

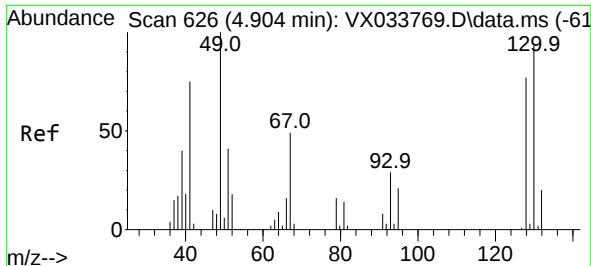
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
Data File : VX033784.D
Acq On : 18 Jan 2023 19:24
Operator : JC/MD
Sample : 01209-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Quant Time: Jan 19 03:34:07 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

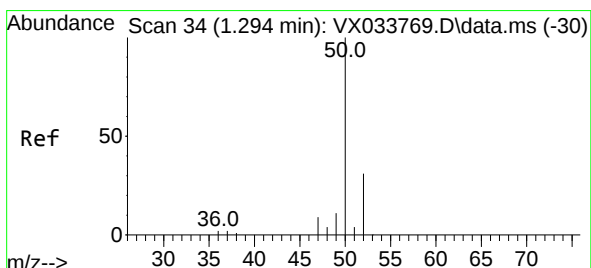
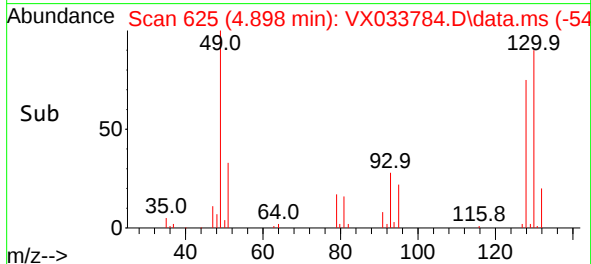
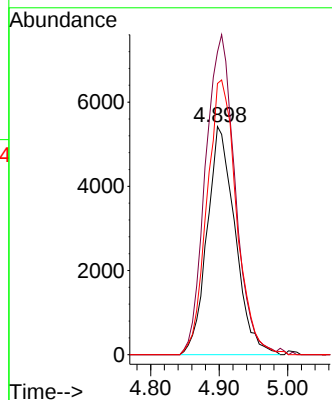
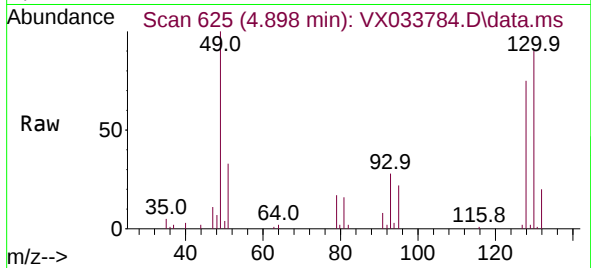




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

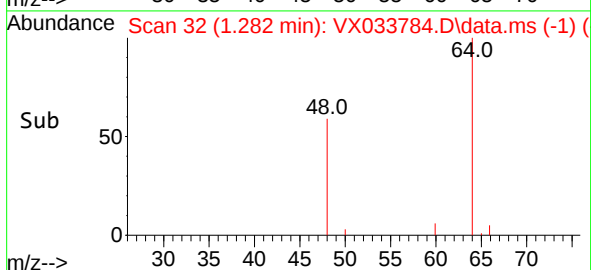
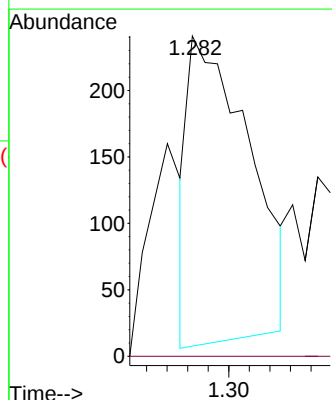
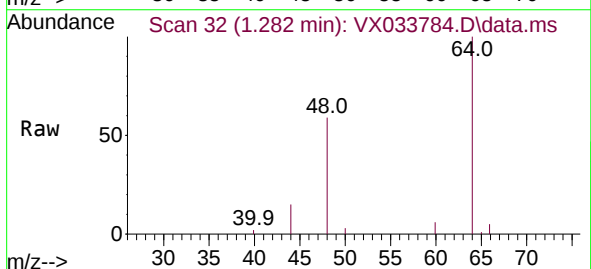
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

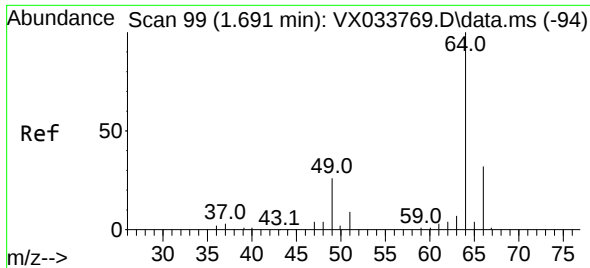
Tgt Ion:128 Resp: 15389
Ion Ratio Lower Upper
128 100
49 148.5 0.0 369.0
130 127.3 0.0 327.5



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

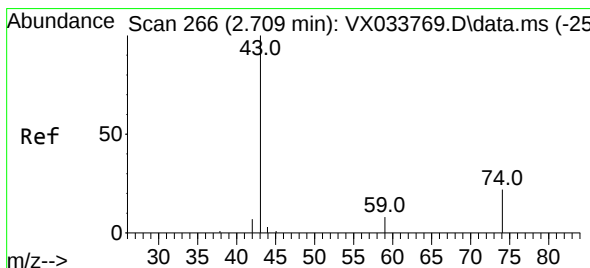
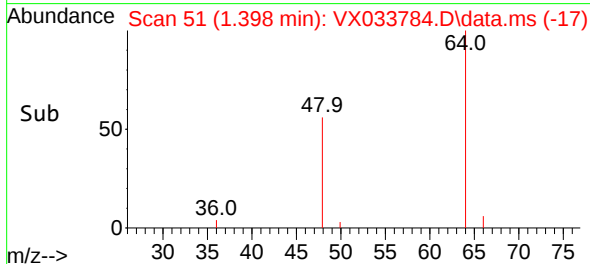
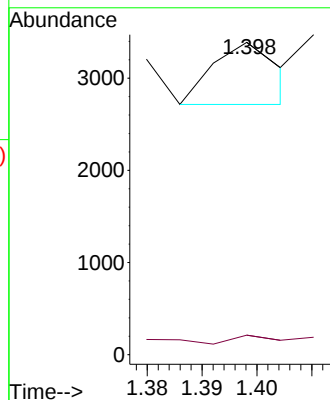
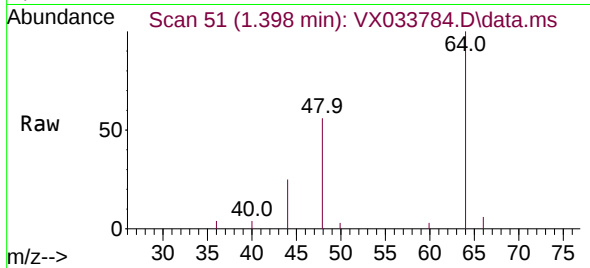




#6
 Chloroethane
 Concen: 0.667 ug/l
 RT: 1.398 min Scan# 51
 Delta R.T. -0.293 min
 Lab File: VX033784.D
 Acq: 18 Jan 2023 19:24

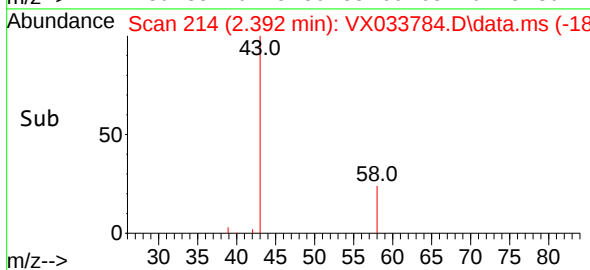
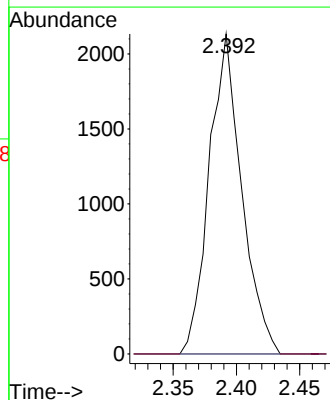
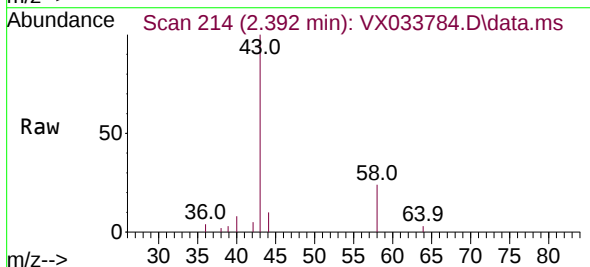
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

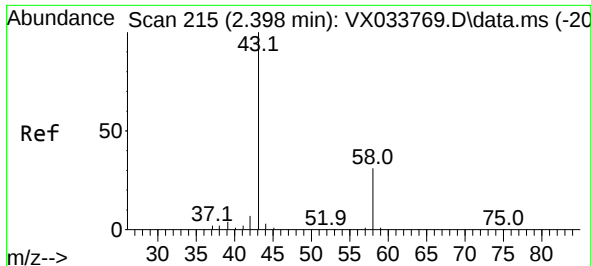
Tgt Ion: 64 Resp: 555
 Ion Ratio Lower Upper
 64 100
 66 8.3 25.4 38.0#



#12
 Methyl Acetate
 Concen: 1.597 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.317 min
 Lab File: VX033784.D
 Acq: 18 Jan 2023 19:24

Tgt Ion: 43 Resp: 3812
 Ion Ratio Lower Upper
 43 100
 74 0.0 17.6 26.4#

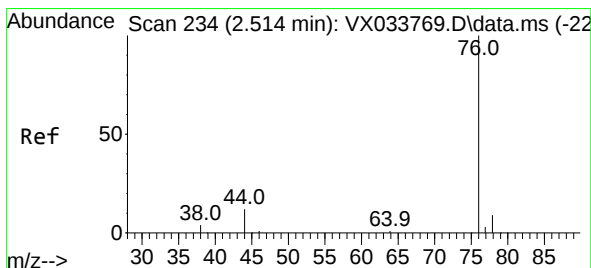
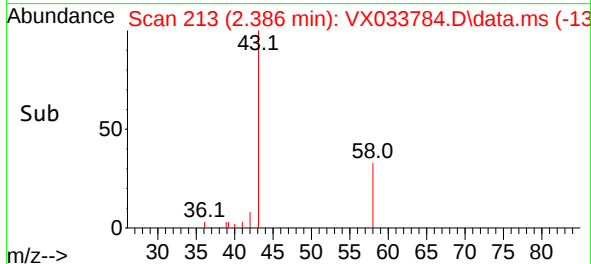
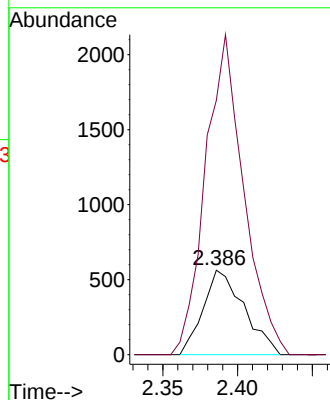
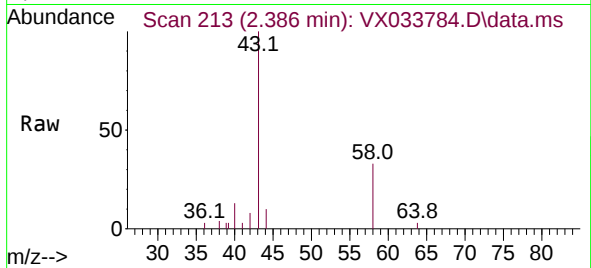




#15
Acetone
Concen: 4.589 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

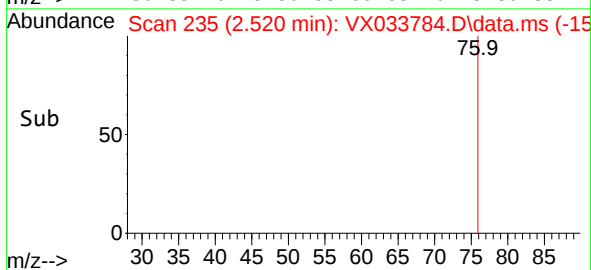
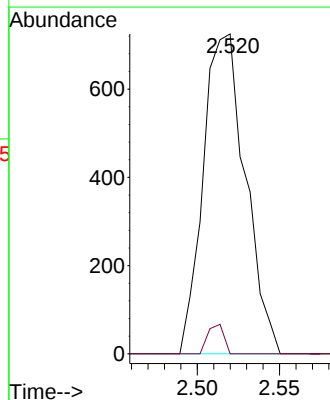
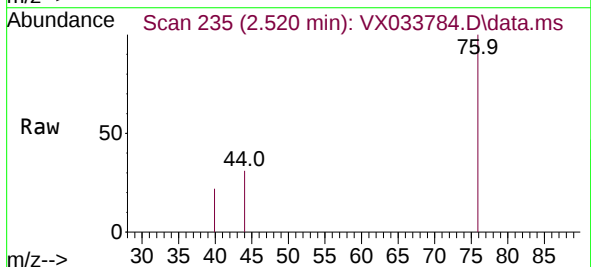
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

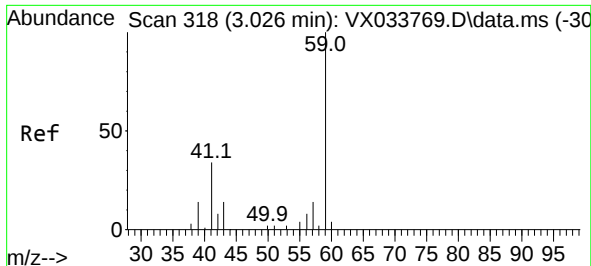
Tgt Ion: 58 Resp: 1073
Ion Ratio Lower Upper
58 100
43 286.5 258.6 388.0



#16
Carbon Disulfide
Concen: 0.385 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

Tgt Ion: 76 Resp: 1292
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#

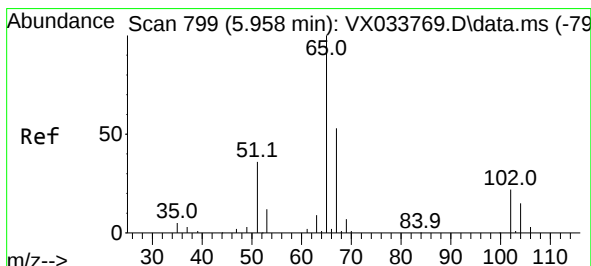
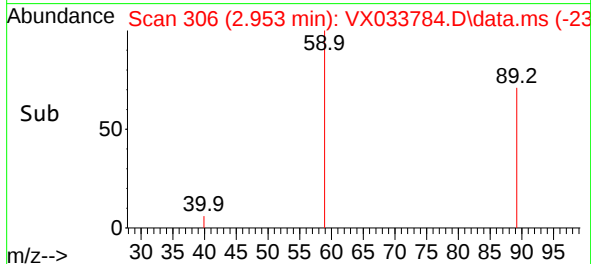
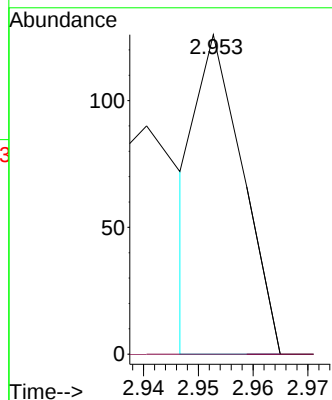
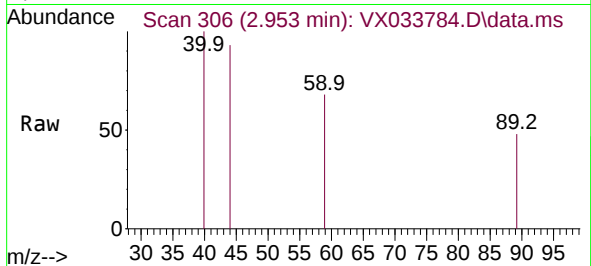




#23
tert-Butyl Alcohol
Concen: 0.261 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.073 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

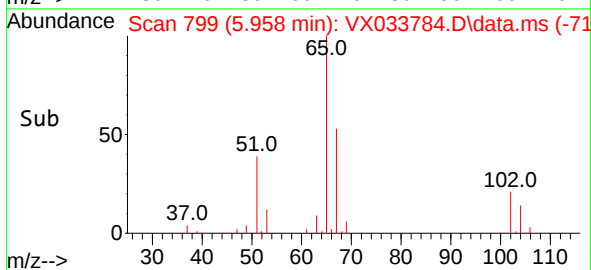
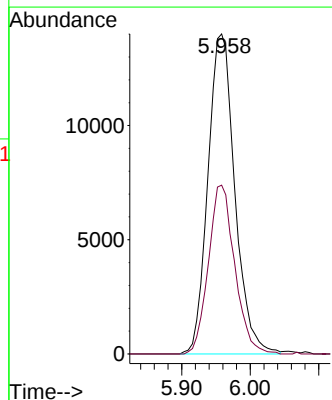
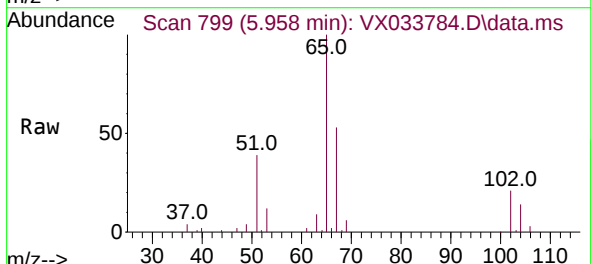
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

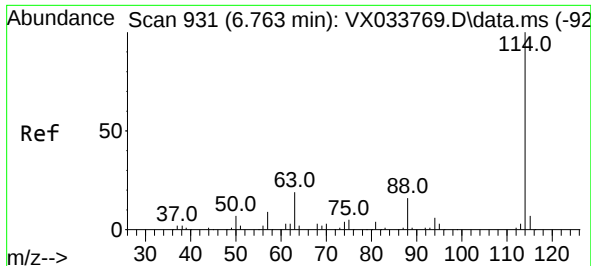
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
52 0.0 186.7 280.1#



#27
1,2-Dichloroethane-d4
Concen: 32.142 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

Tgt Ion: 65 Resp: 38278
Ion Ratio Lower Upper
65 100
67 51.5 43.0 64.4

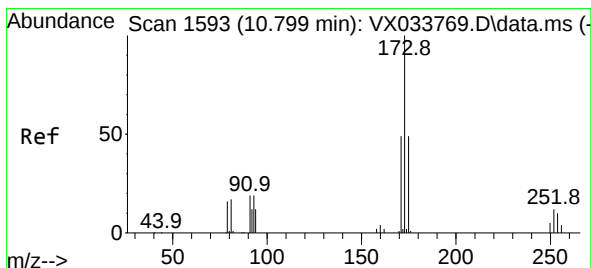
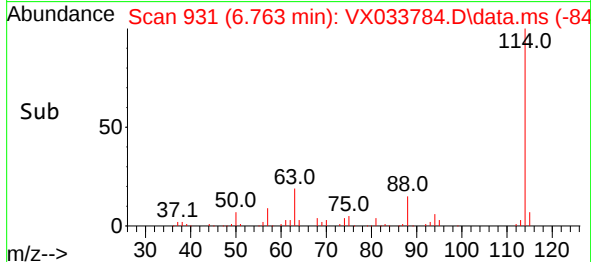
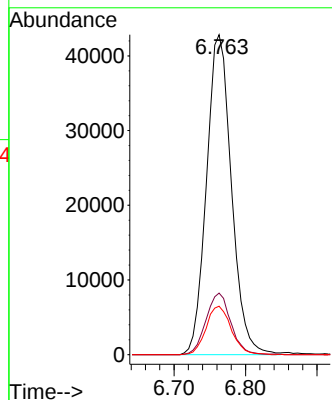
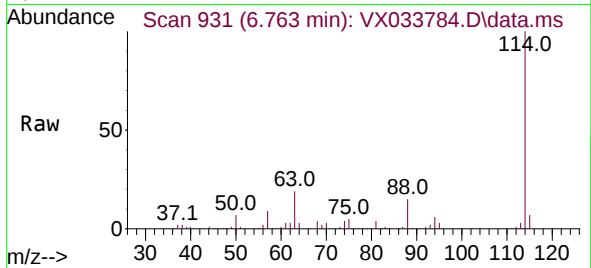




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

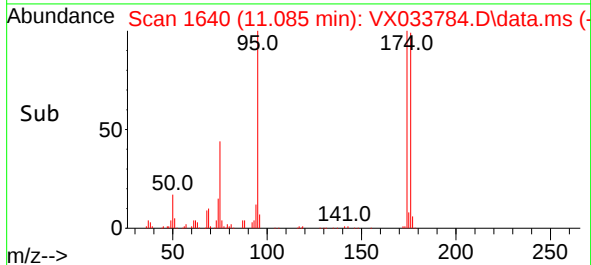
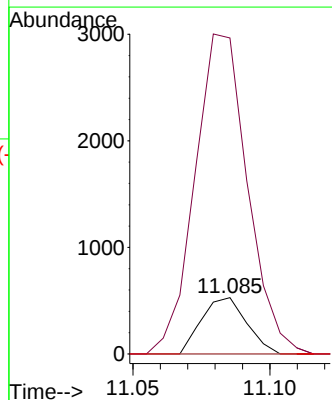
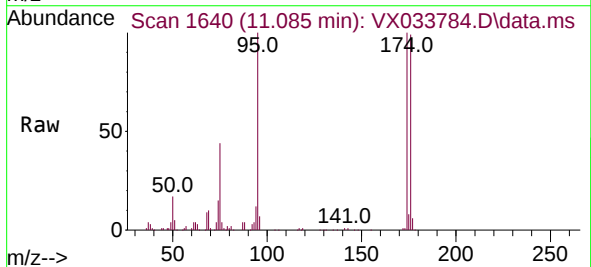
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

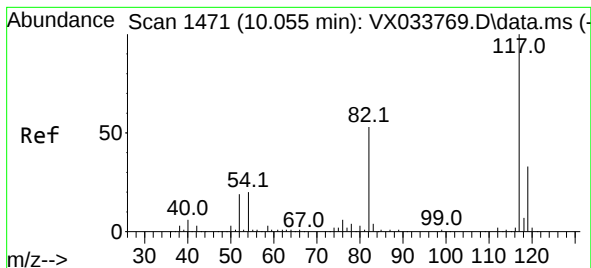
Tgt Ion:114 Resp: 103892
Ion Ratio Lower Upper
114 100
63 19.1 15.2 22.8
88 15.3 12.4 18.6



#56
Bromoform
Concen: 0.468 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

Tgt Ion:173 Resp: 606
Ion Ratio Lower Upper
173 100
175 664.4 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: VX033784.D

Acq: 18 Jan 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

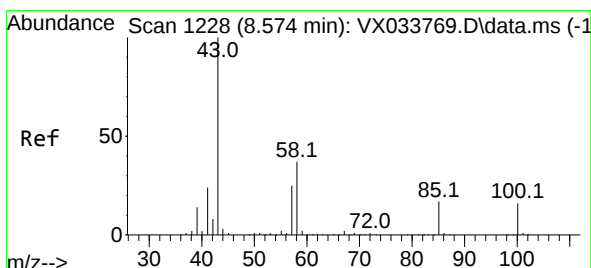
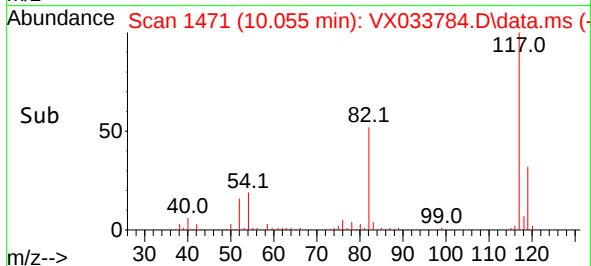
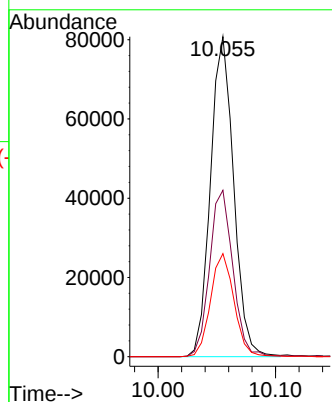
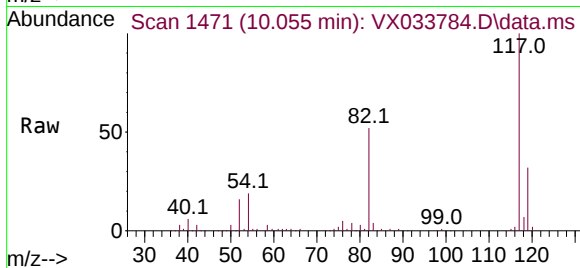
Tgt Ion:117 Resp: 110821

Ion Ratio Lower Upper

117 100

82 52.3 42.6 64.0

119 32.6 26.4 39.6



#58

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033784.D

Acq: 18 Jan 2023 19:24

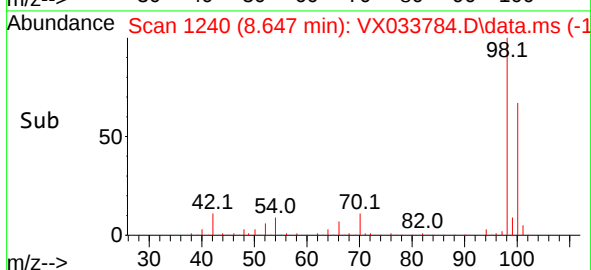
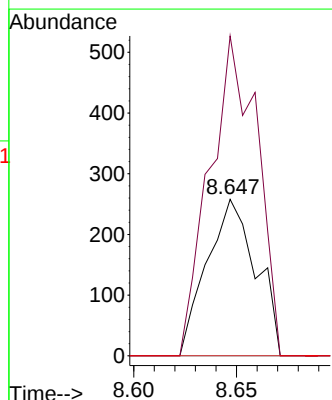
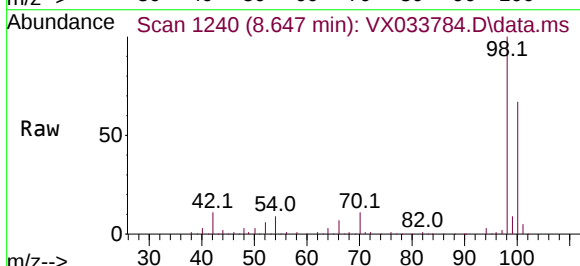
Tgt Ion: 43 Resp: 429

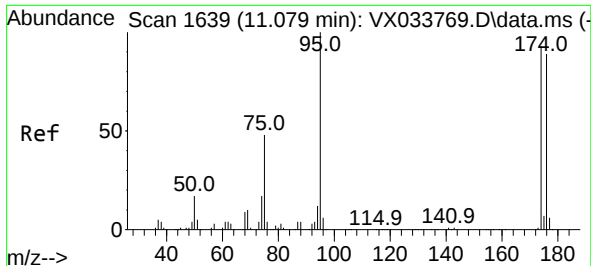
Ion Ratio Lower Upper

43 100

58 197.4 29.8 44.6#

85 0.0 13.7 20.5#

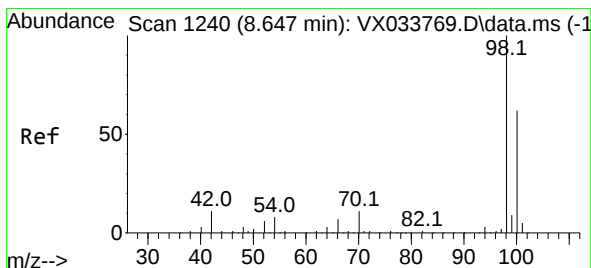
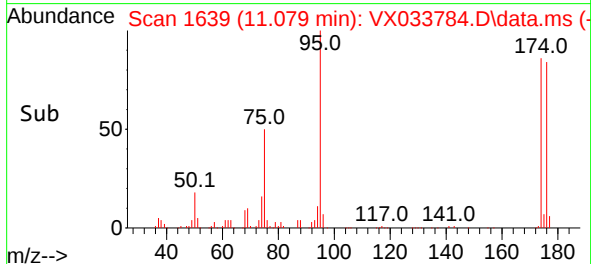
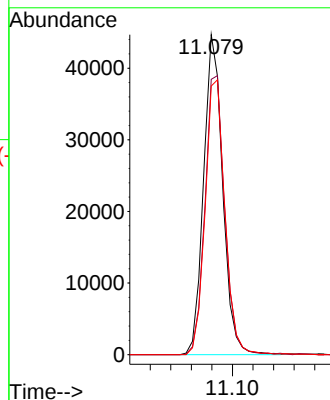
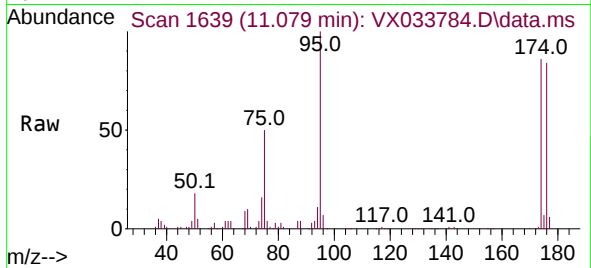




#60
4-Bromofluorobenzene
Concen: 29.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

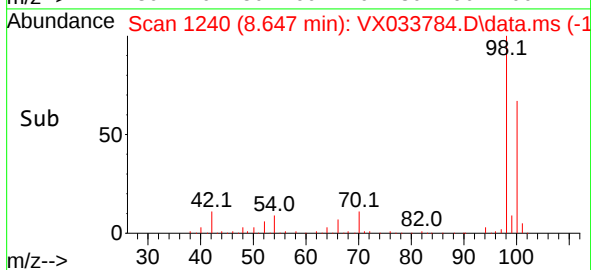
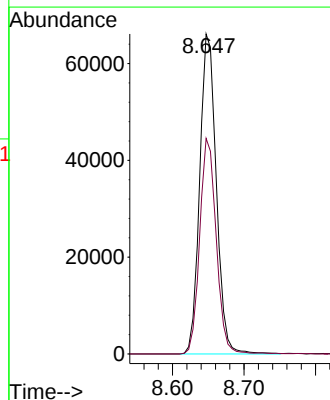
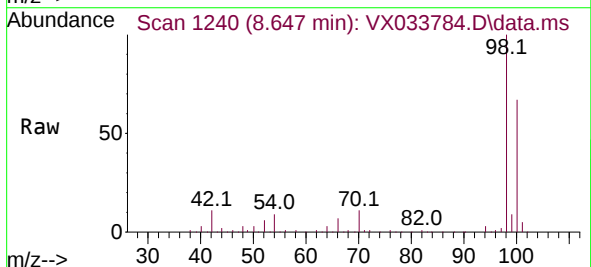
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

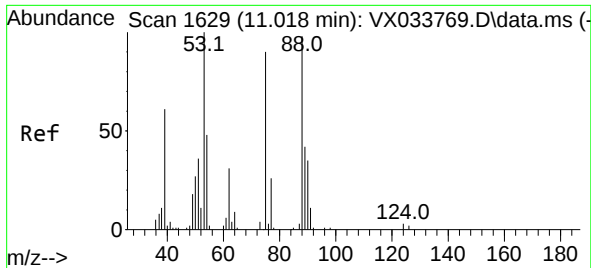
Tgt Ion: 95 Resp: 57610
Ion Ratio Lower Upper
95 100
174 90.4 74.6 111.8
176 88.9 72.2 108.2



#63
Toluene-d8
Concen: 30.105 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033784.D
Acq: 18 Jan 2023 19:24

Tgt Ion: 98 Resp: 106441
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 45.080 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033784.D
 Acq: 18 Jan 2023 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

Tgt Ion: 75 Resp: 27080
 Ion Ratio Lower Upper
 75 100
 53 0.0 55.5 166.3#
 89 0.0 23.3 69.8#

