

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032764.D
 Acq On : 11 Nov 2022 11:09
 Operator : JC/MD
 Sample : N5565-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 14 05:10:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

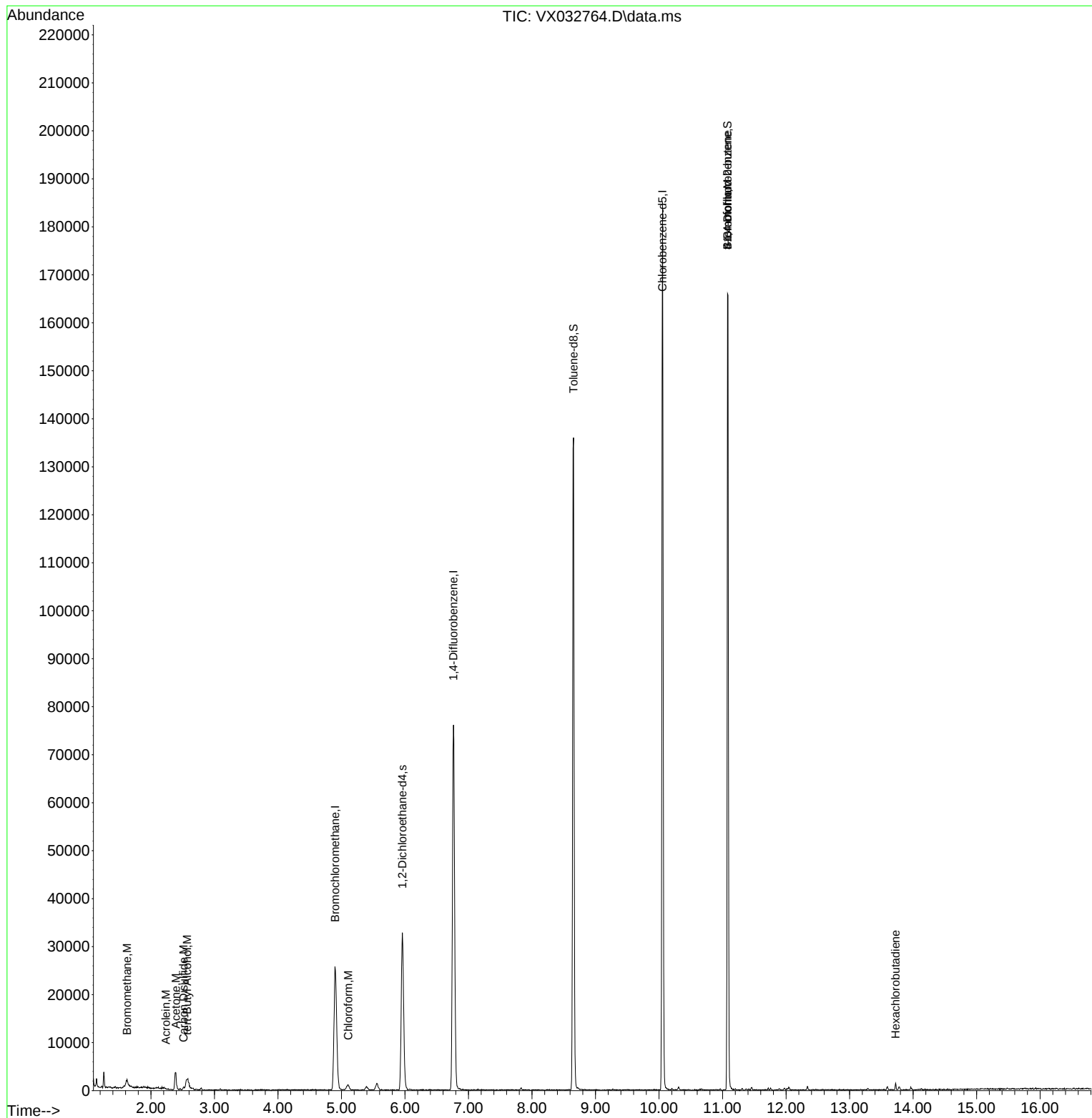
Internal Standards						
1) Bromochloromethane	4.897	128	10891	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	78733	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80513	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	33411	31.799	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.000%	
60) 4-Bromofluorobenzene	11.079	95	42897	27.853	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.833%	
63) Toluene-d8	8.653	98	82896	30.509	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	240	0.250	ug/l #	79
13) Acrolein	2.233	56	79	0.377	ug/l #	79
15) Acetone	2.392	58	1323	9.043	ug/l #	54
16) Carbon Disulfide	2.514	76	851	0.323	ug/l #	94
23) tert-Butyl Alcohol	2.569	59	63	0.345	ug/l #	100
25) Chloroform	5.105	83	1458	0.617	ug/l	88
56) Bromoform	11.079	173	509	0.500	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23094	47.980	ug/l #	8
90) Hexachlorobutadiene	13.725	225	307	0.468	ug/l	89

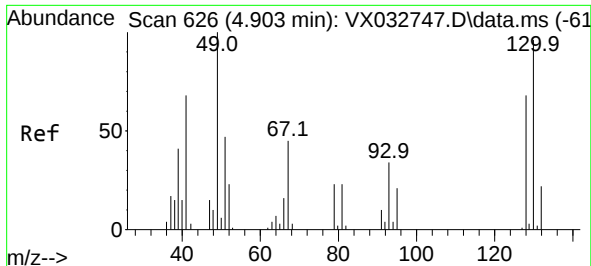
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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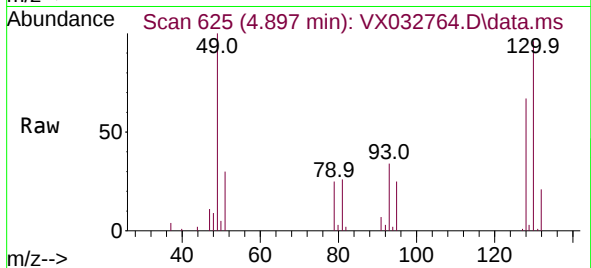
Quant Time: Nov 14 05:10:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration



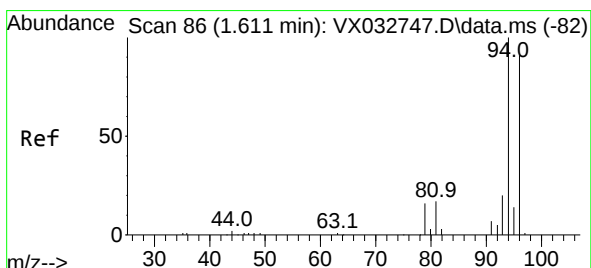
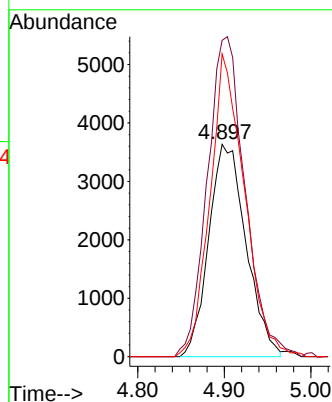
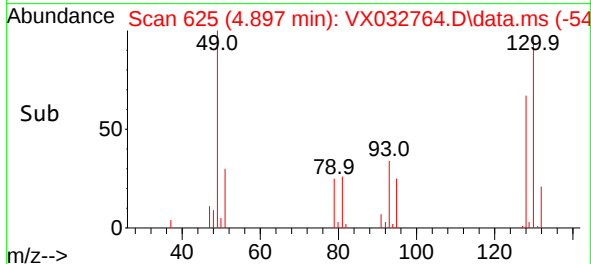


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Instrument :
MSVOA_X
ClientSampleId :

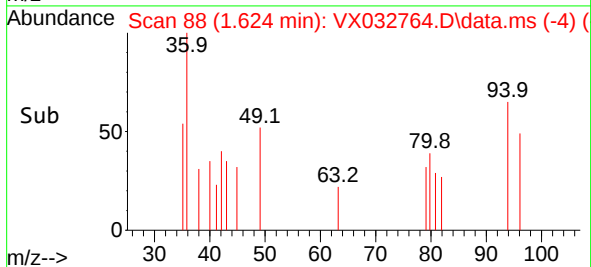
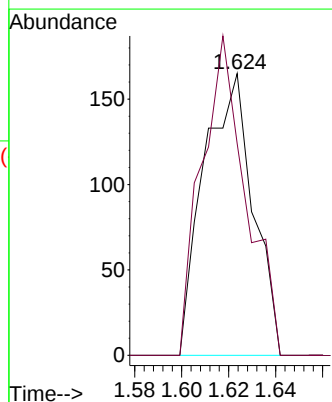
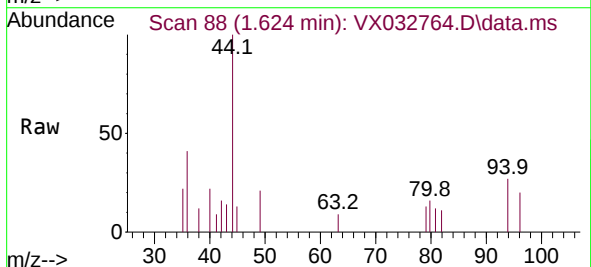


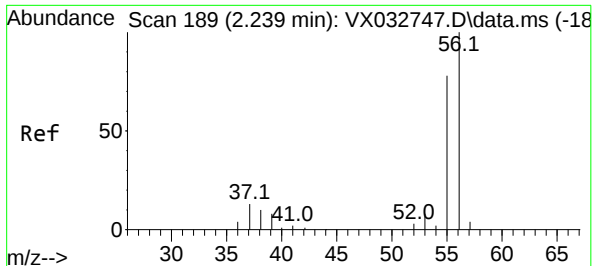
Tgt Ion:128 Resp: 10891
Ion Ratio Lower Upper
128 100
49 152.3 0.0 293.0
130 131.4 0.0 321.5



#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

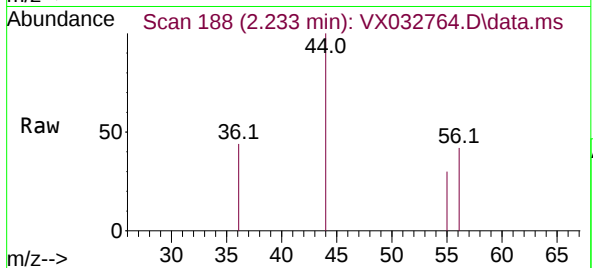
Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 75.2 76.8 115.2#



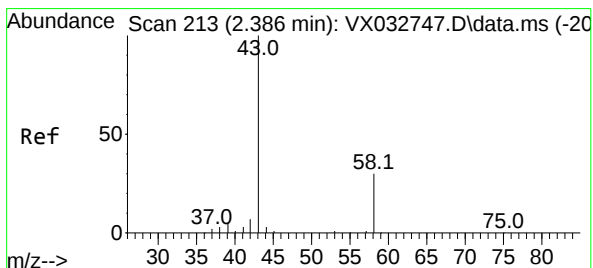
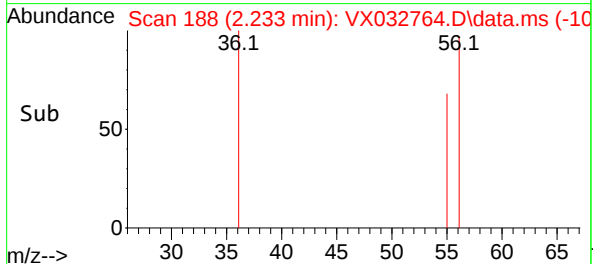
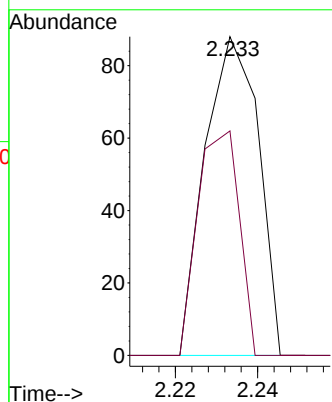


#13
Acrolein
Concen: 0.377 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Instrument :
MSVOA_X
ClientSampleId :

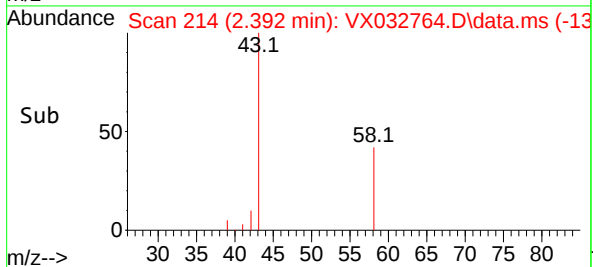
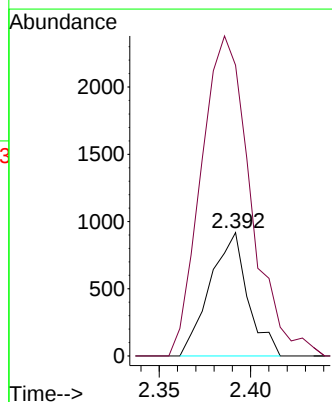
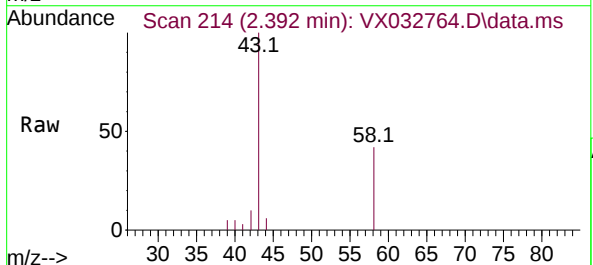


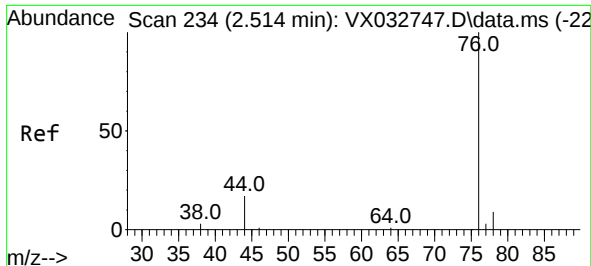
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 55.7 58.4 87.6#



#15
Acetone
Concen: 9.043 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

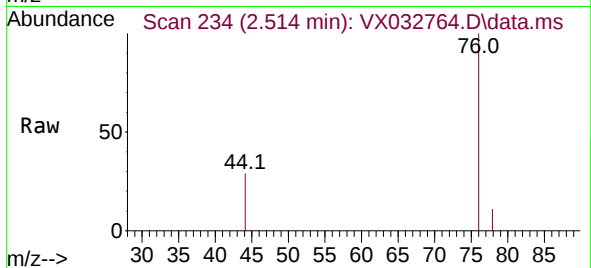
Tgt Ion: 58 Resp: 1323
Ion Ratio Lower Upper
58 100
43 213.2 242.6 364.0#



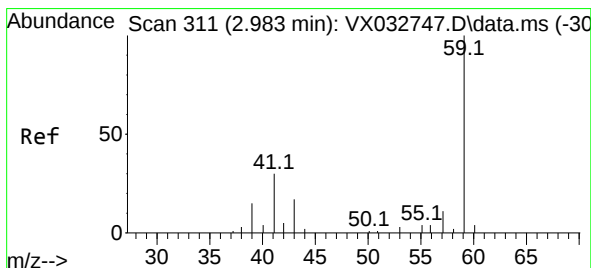
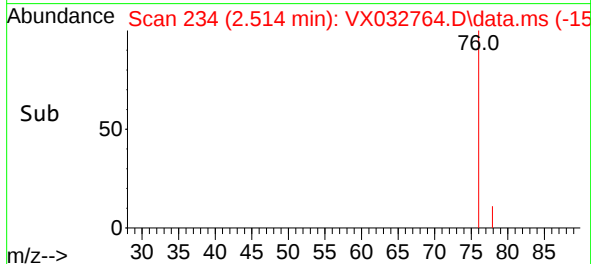
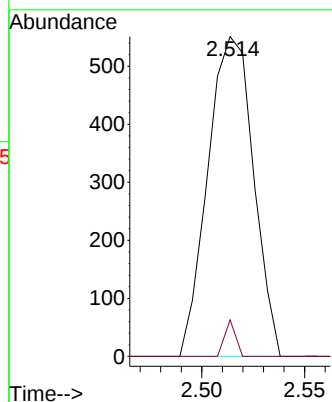


#16
Carbon Disulfide
Concen: 0.323 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Instrument :
MSVOA_X
ClientSampleId :

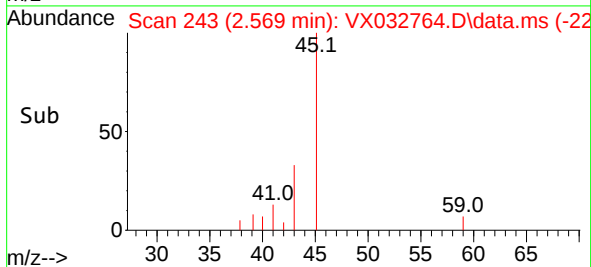
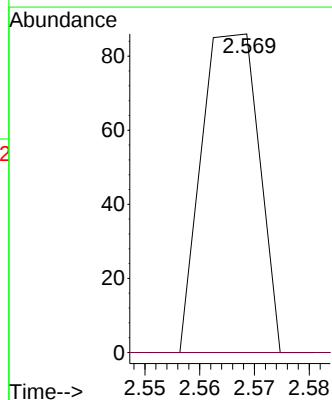
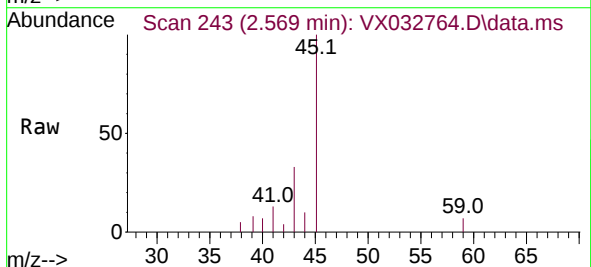


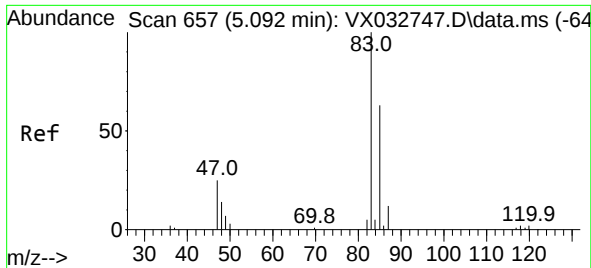
Tgt Ion: 76 Resp: 851
Ion Ratio Lower Upper
76 100
78 11.4 7.5 11.3#



#23
tert-Butyl Alcohol
Concen: 0.345 ug/l
RT: 2.569 min Scan# 243
Delta R.T. -0.415 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

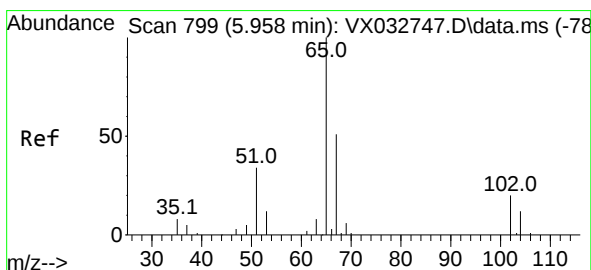
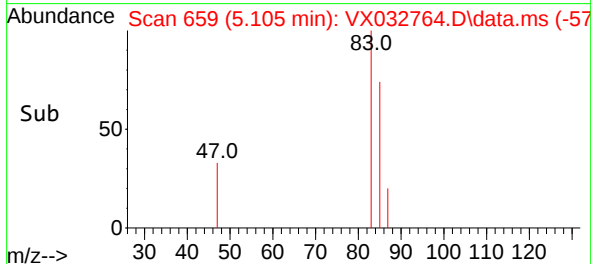
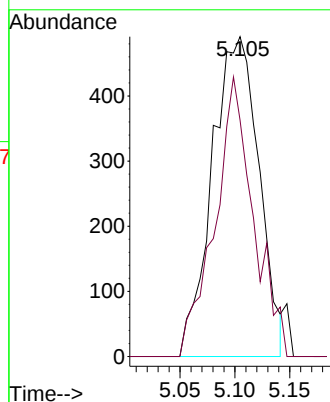
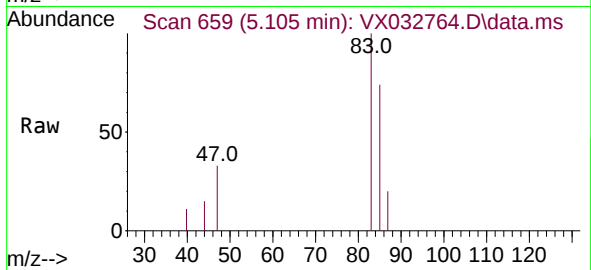




#25
Chloroform
Concen: 0.617 ug/l
RT: 5.105 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

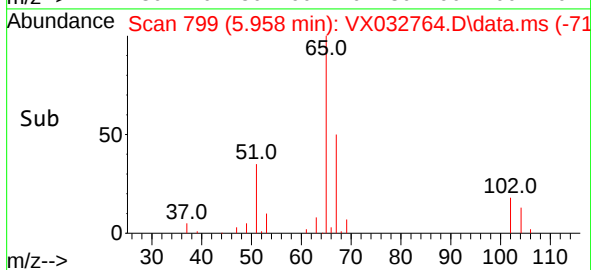
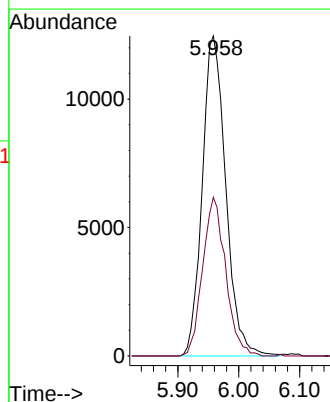
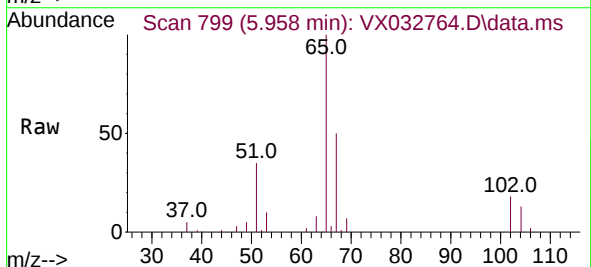
Instrument :
MSVOA_X
ClientSampleId :

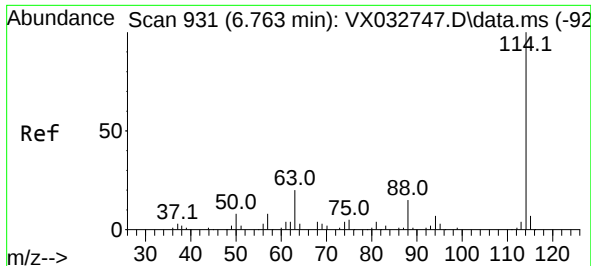
Tgt Ion: 83 Resp: 1458
Ion Ratio Lower Upper
83 100
85 73.9 51.4 77.0



#27
1,2-Dichloroethane-d4
Concen: 31.799 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Tgt Ion: 65 Resp: 33411
Ion Ratio Lower Upper
65 100
67 48.4 41.8 62.6

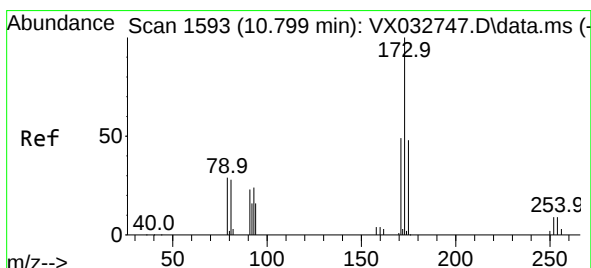
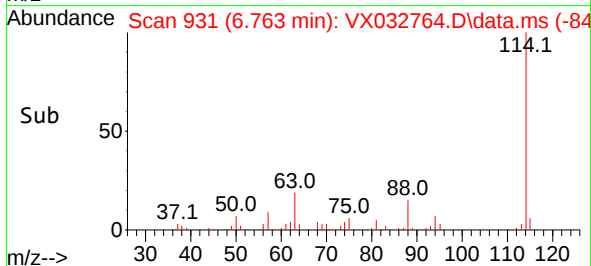
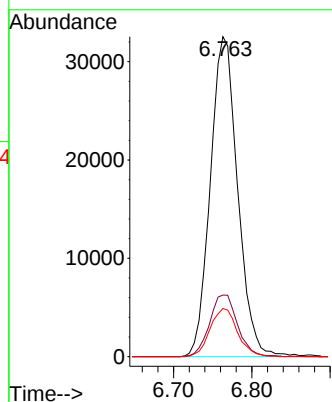
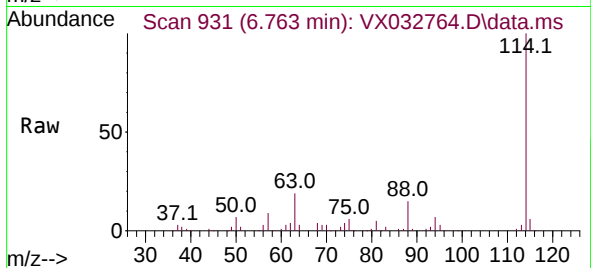




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

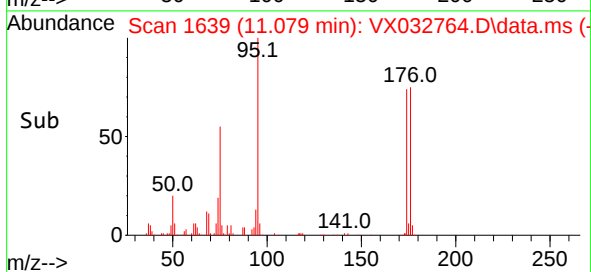
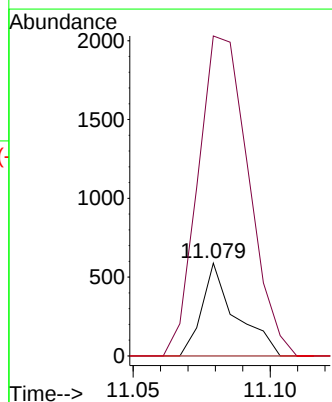
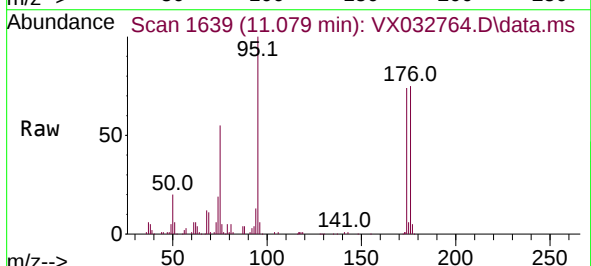
Instrument :
MSVOA_X
ClientSampleId :

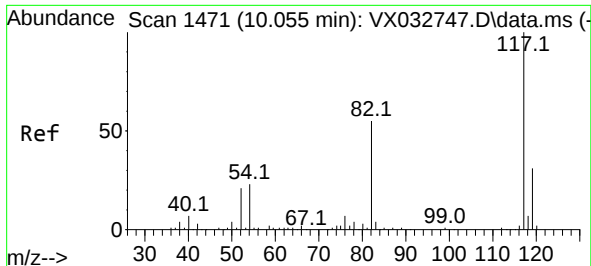
Tgt Ion:114 Resp: 78733
Ion Ratio Lower Upper
114 100
63 19.8 13.6 20.4
88 15.1 11.8 17.6



#56
Bromoform
Concen: 0.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Tgt Ion:173 Resp: 509
Ion Ratio Lower Upper
173 100
175 512.2 38.6 58.0#
254 0.0 6.8 10.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032764.D

Acq: 11 Nov 2022 11:09

Instrument :

MSVOA_X

ClientSampleId :

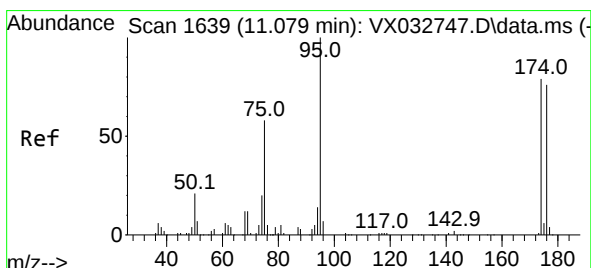
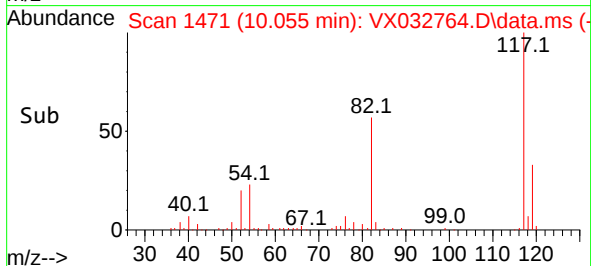
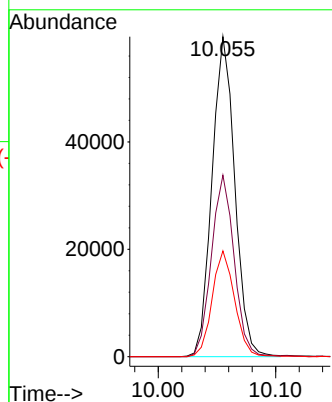
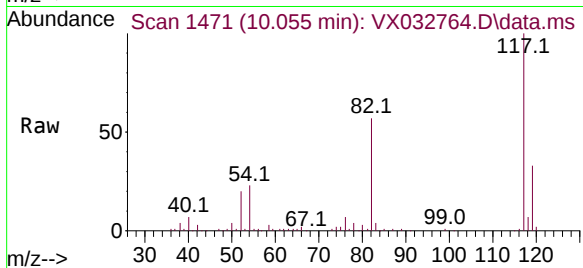
Tgt Ion:117 Resp: 80513

Ion Ratio Lower Upper

117 100

82 56.7 40.0 60.0

119 32.6 26.0 39.0



#60

4-Bromofluorobenzene

Concen: 27.853 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032764.D

Acq: 11 Nov 2022 11:09

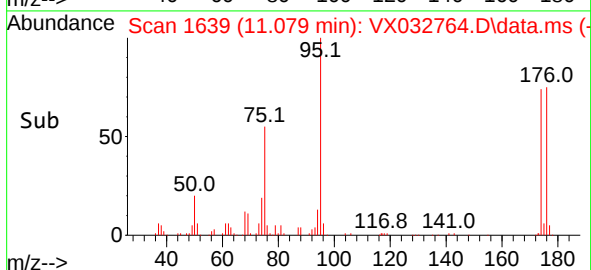
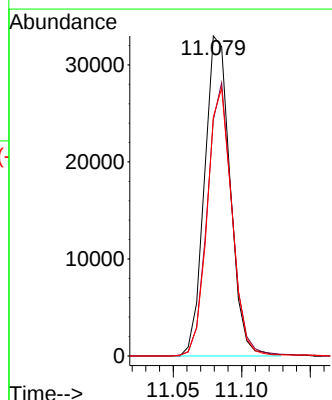
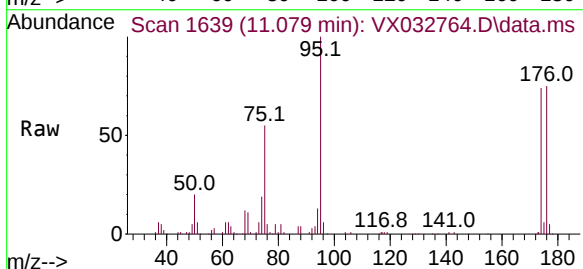
Tgt Ion: 95 Resp: 42897

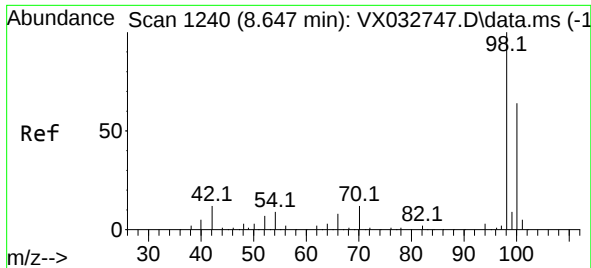
Ion Ratio Lower Upper

95 100

174 82.2 68.2 102.2

176 80.4 68.1 102.1

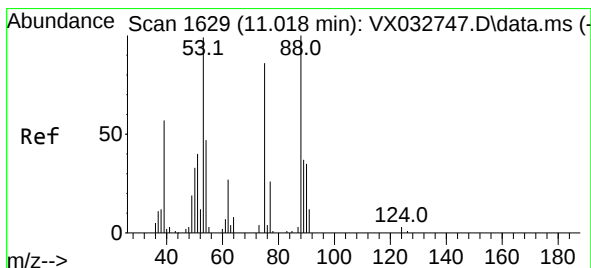
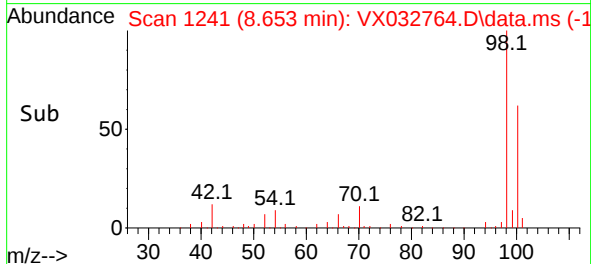
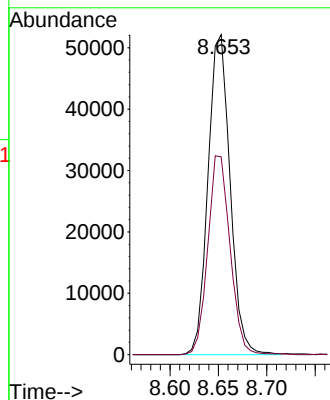
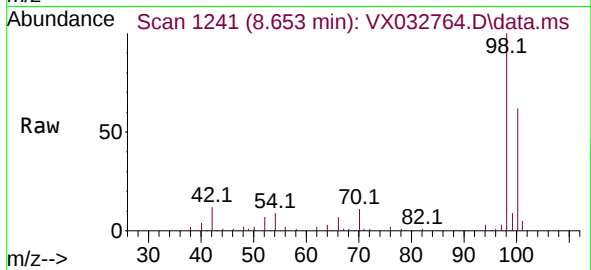




#63
Toluene-d8
Concen: 30.509 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

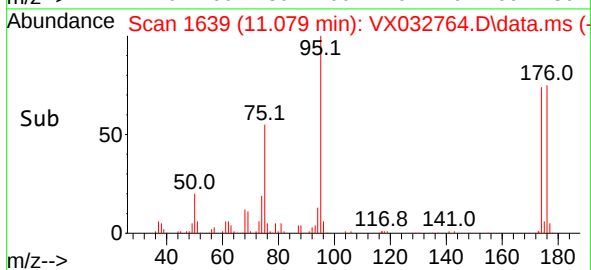
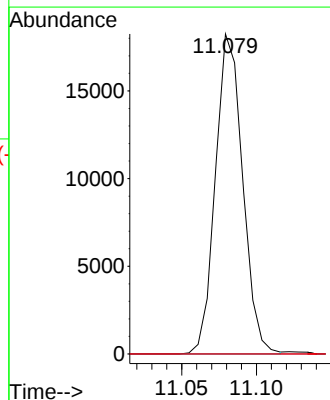
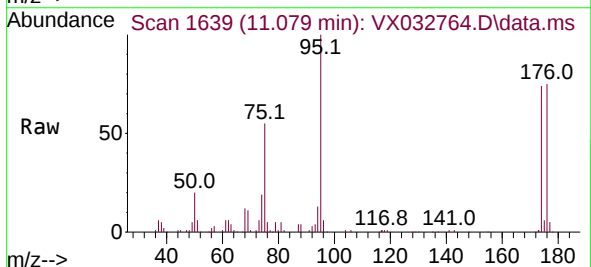
Instrument :
MSVOA_X
ClientSampleId :

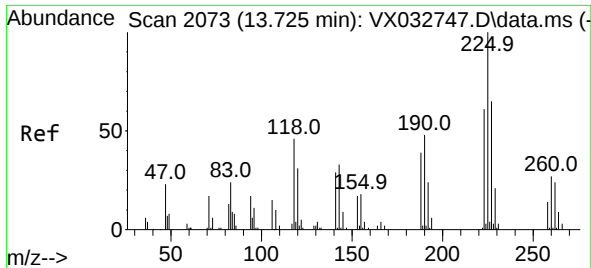
Tgt Ion: 98 Resp: 82896
Ion Ratio Lower Upper
98 100
100 62.7 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 47.980 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032764.D
Acq: 11 Nov 2022 11:09

Tgt Ion: 75 Resp: 23094
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#





#90

Hexachlorobutadiene

Concen: 0.468 ug/l

RT: 13.725 min Scan# 20

Delta R.T. 0.000 min

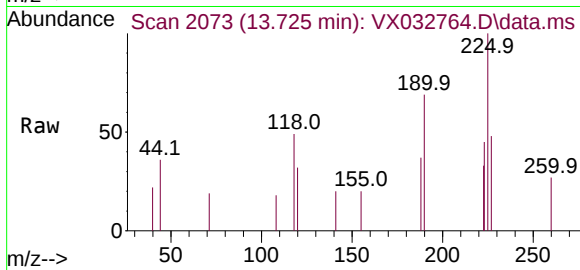
Lab File: VX032764.D

Acq: 11 Nov 2022 11:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:225 Resp: 307

Ion Ratio Lower Upper

225 100

223 52.8 0.0 126.0

227 57.7 0.0 127.6

