

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032761.D
 Acq On : 11 Nov 2022 09:52
 Operator : JC/MD
 Sample : VX1111WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBL01

Quant Time: Nov 14 05:08:43 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)

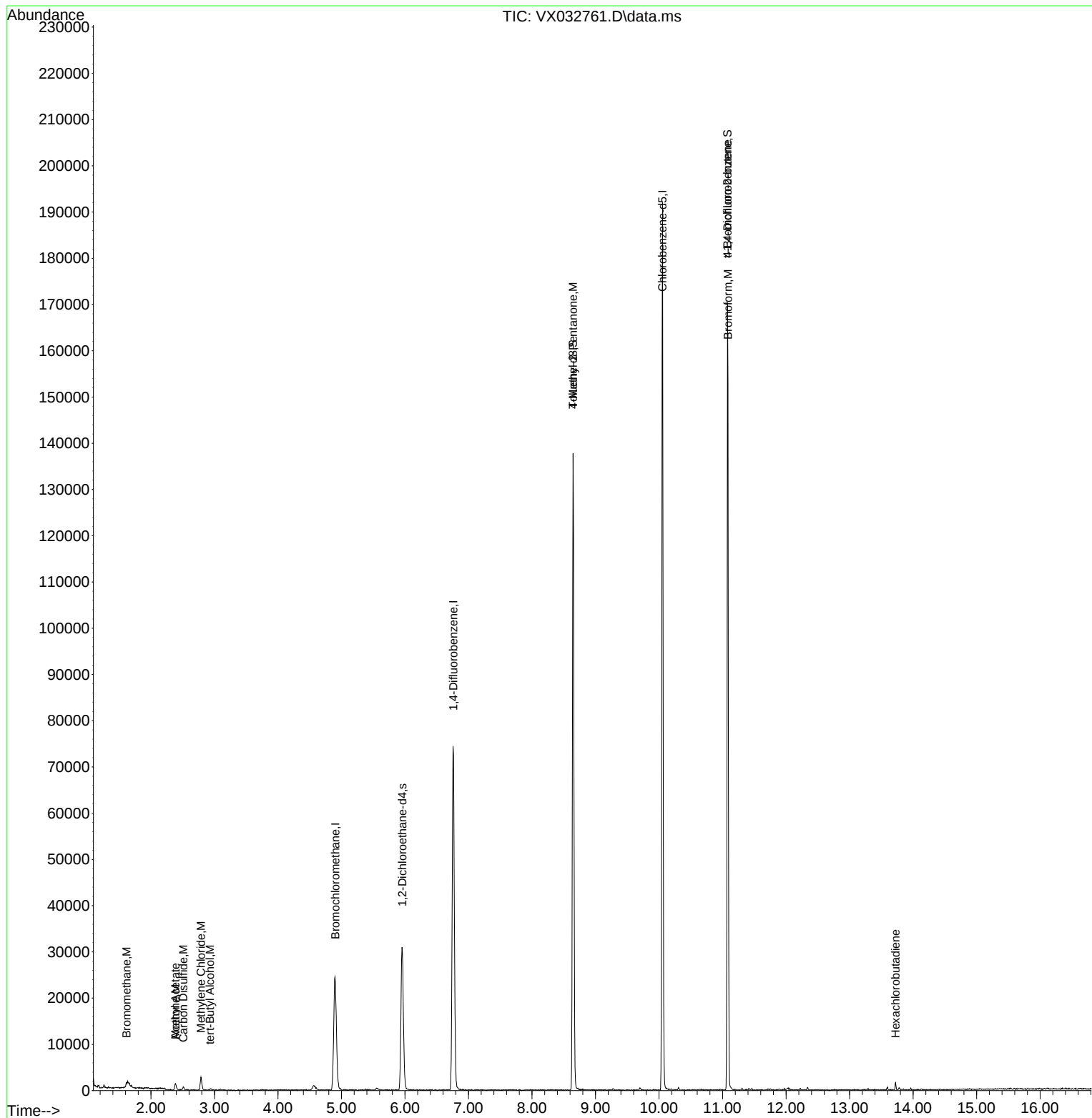
Internal Standards						
1) Bromochloromethane	4.904	128	10882	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	76011	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	80425	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31669	30.166	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	= 100.567%		
60) 4-Bromofluorobenzene	11.079	95	42155	27.401	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	= 91.333%		
63) Toluene-d8	8.647	98	81495	30.026	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	= 100.100%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	254	0.265	ug/l	81
12) Methyl Acetate	2.386	43	1669	1.064	ug/l #	44
15) Acetone	2.386	58	550	3.763	ug/l	75
16) Carbon Disulfide	2.508	76	845	0.321	ug/l	99
18) Methylene Chloride	2.788	84	1346	1.103	ug/l	86
23) tert-Butyl Alcohol	2.928	59	138	0.756	ug/l #	100
56) Bromoform	11.085	173	366	0.372	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	365	0.232	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23021	47.881	ug/l #	8
90) Hexachlorobutadiene	13.725	225	342	0.522	ug/l	91

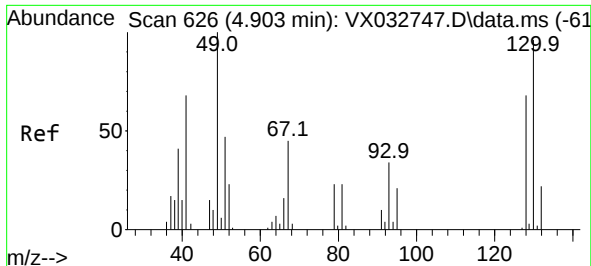
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 05:08:43 2022
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
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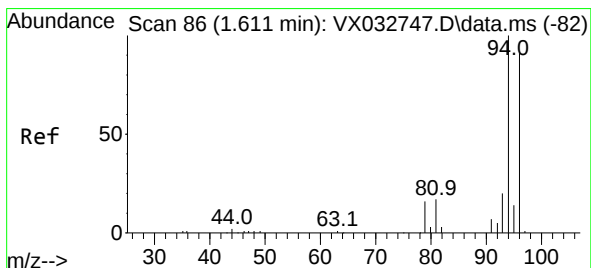
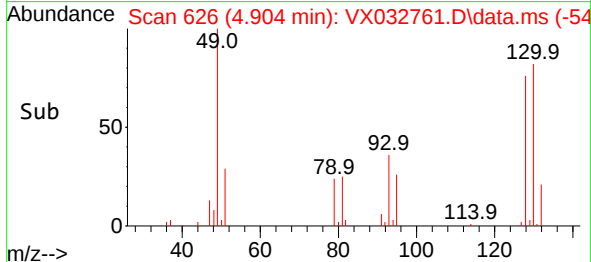
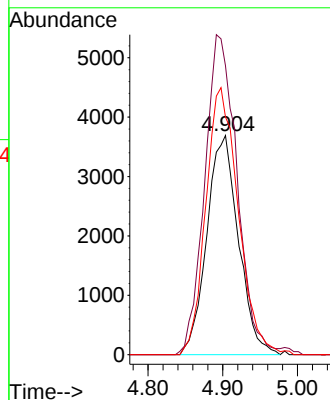
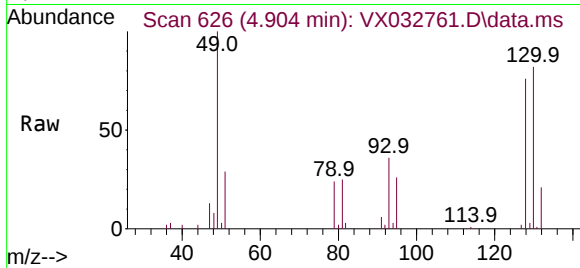




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

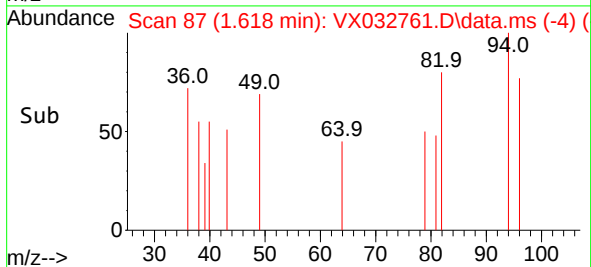
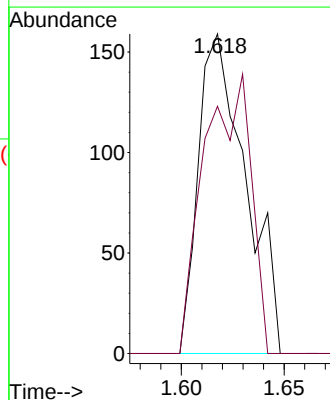
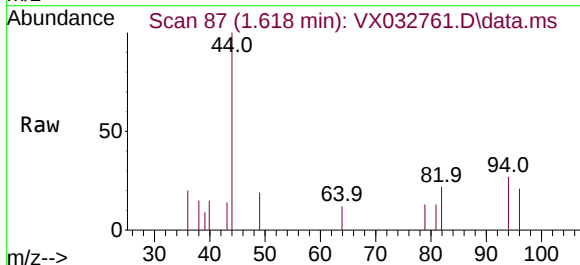
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

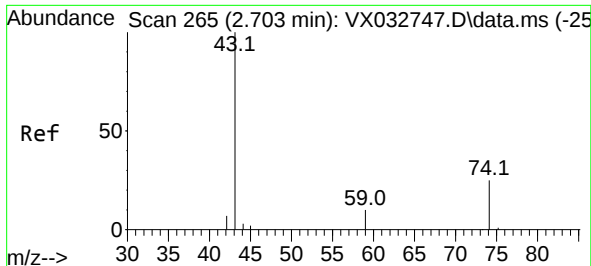
Tgt Ion:128 Resp: 10882
Ion Ratio Lower Upper
128 100
49 149.2 0.0 293.0
130 124.8 0.0 321.5



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 77.4 76.8 115.2

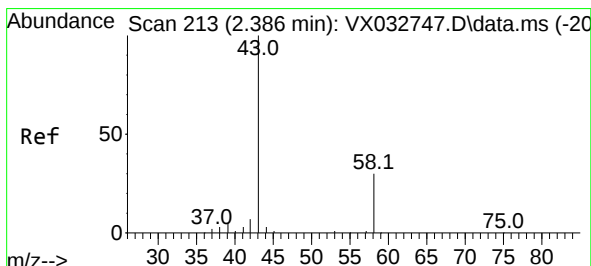
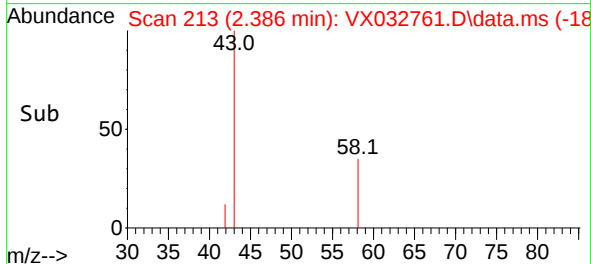
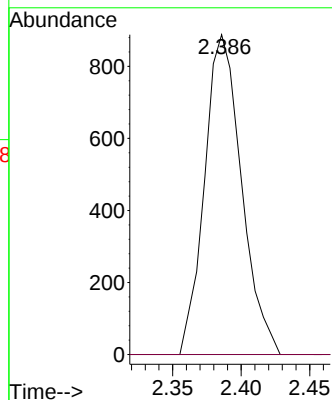
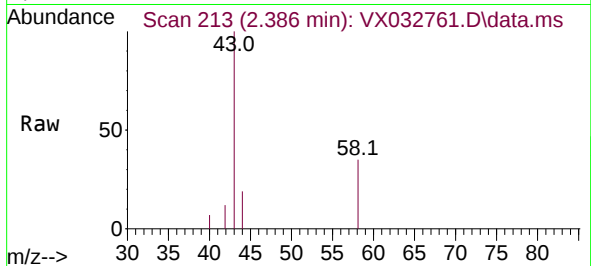




#12
Methyl Acetate
Concen: 1.064 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.317 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

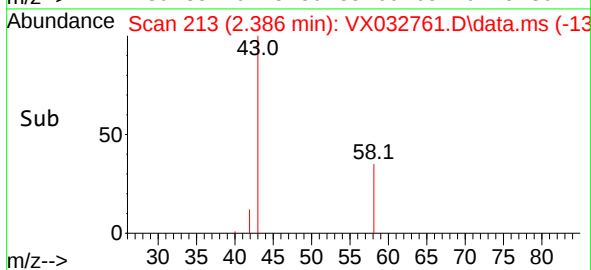
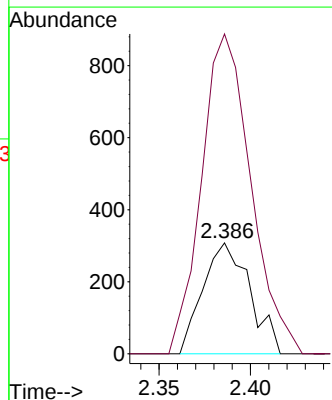
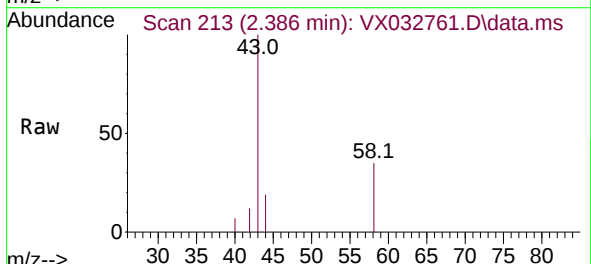
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

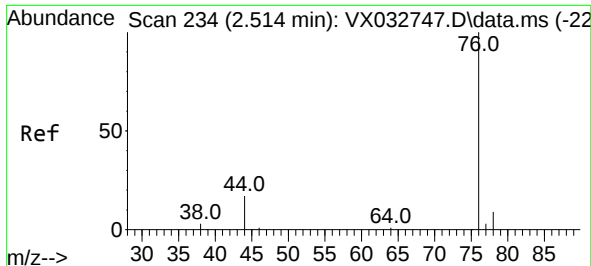
Tgt Ion: 43 Resp: 1669
Ion Ratio Lower Upper
43 100
74 0.0 24.8 37.2#



#15
Acetone
Concen: 3.763 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

Tgt Ion: 58 Resp: 550
Ion Ratio Lower Upper
58 100
43 254.5 242.6 364.0

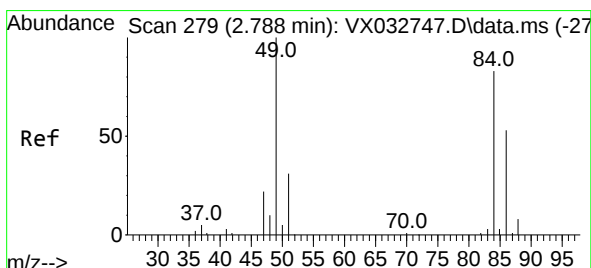
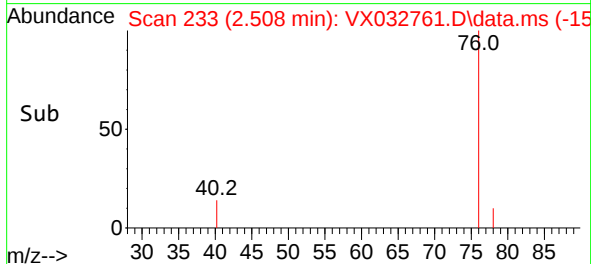
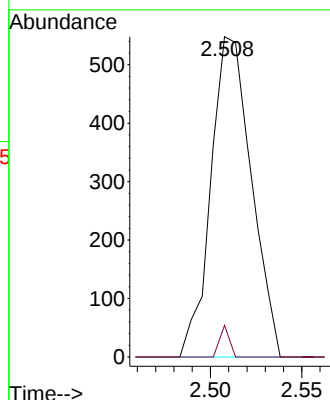
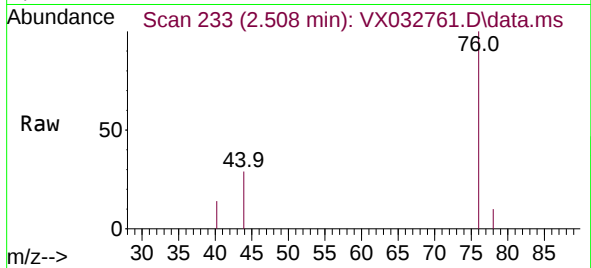




#16
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

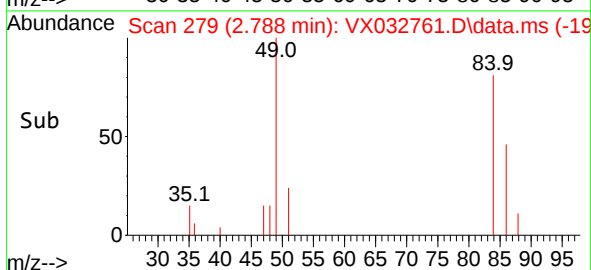
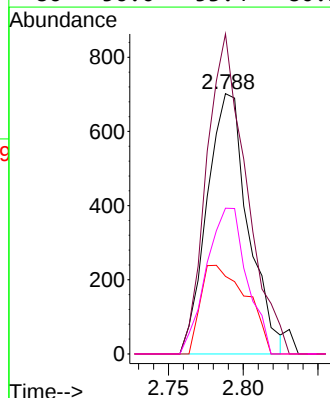
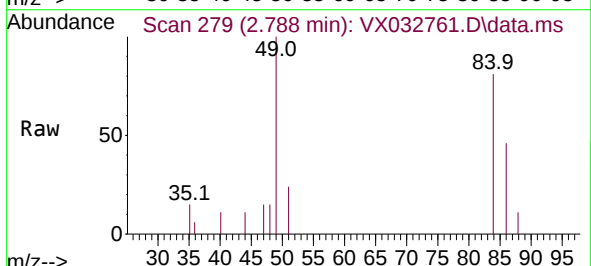
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

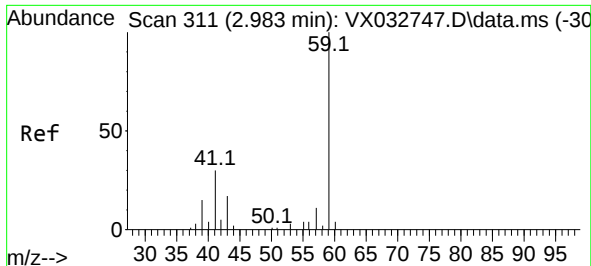
Tgt Ion: 76 Resp: 845
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3



#18
Methylene Chloride
Concen: 1.103 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

Tgt Ion: 84 Resp: 1346
Ion Ratio Lower Upper
84 100
49 122.9 84.6 127.0
51 29.8 26.5 39.7
86 56.0 53.4 80.2

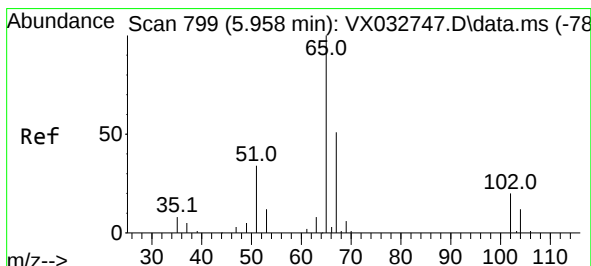
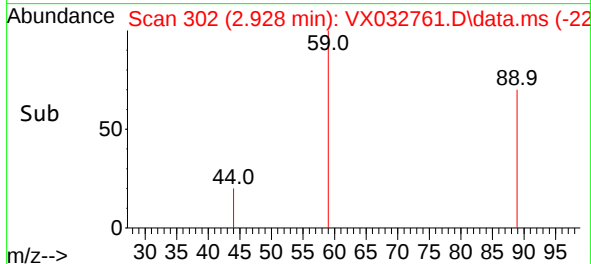
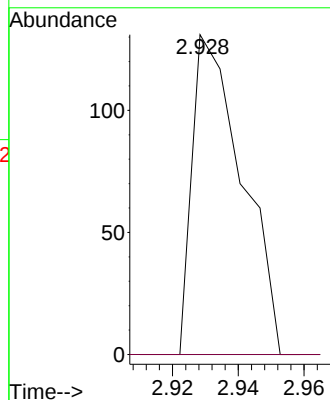
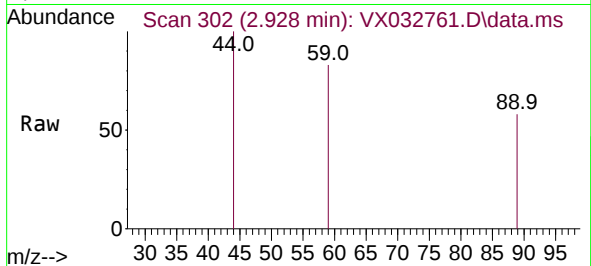




#23
tert-Butyl Alcohol
Concen: 0.756 ug/l
RT: 2.928 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

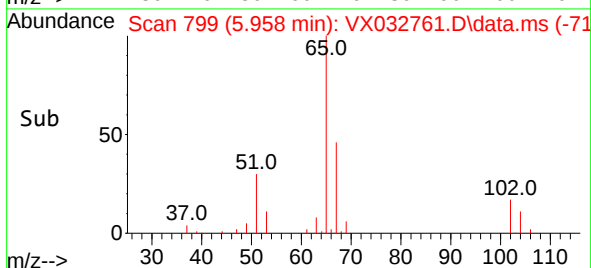
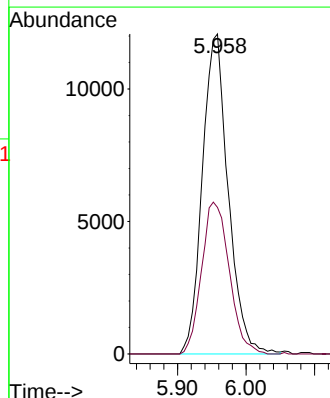
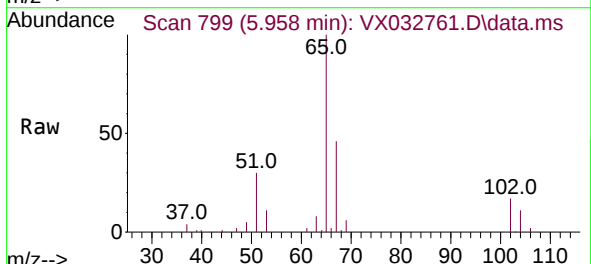
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

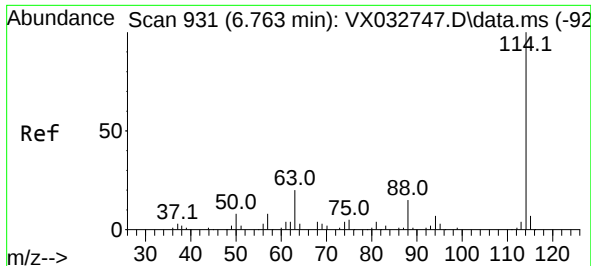
Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.166 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

Tgt Ion: 65 Resp: 31669
Ion Ratio Lower Upper
65 100
67 50.8 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: VX032761.D

Acq: 11 Nov 2022 09:52

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

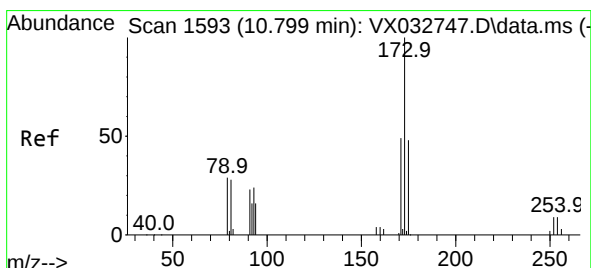
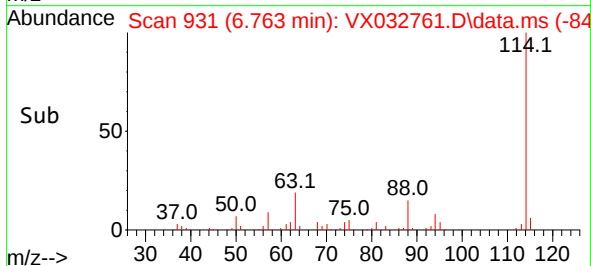
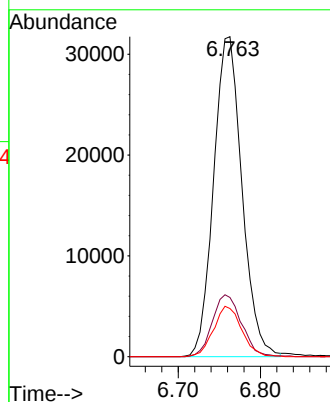
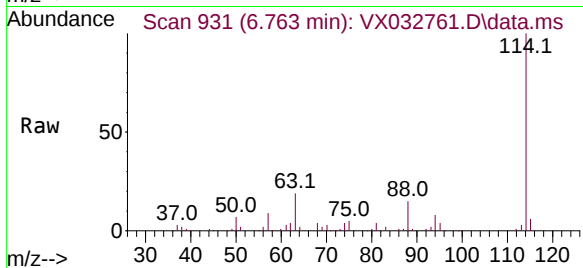
Tgt Ion:114 Resp: 76011

Ion Ratio Lower Upper

114 100

63 19.8 13.6 20.4

88 15.6 11.8 17.6



#56

Bromoform

Concen: 0.372 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX032761.D

Acq: 11 Nov 2022 09:52

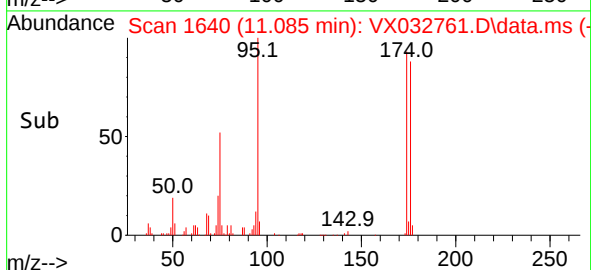
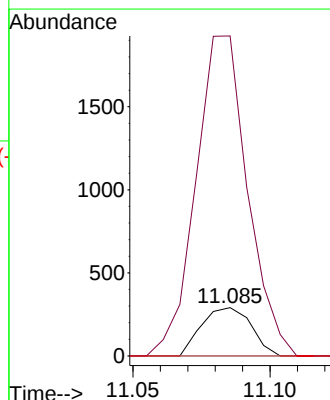
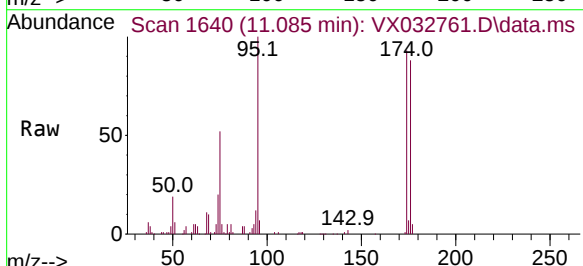
Tgt Ion:173 Resp: 366

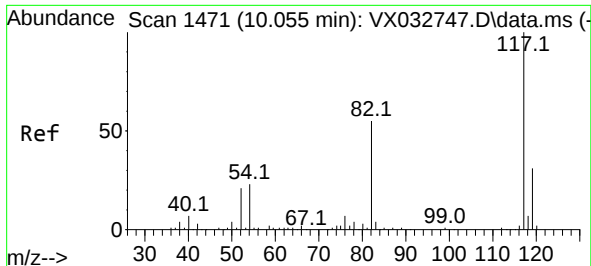
Ion Ratio Lower Upper

173 100

175 691.5 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: VX032761.D

Acq: 11 Nov 2022 09:52

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

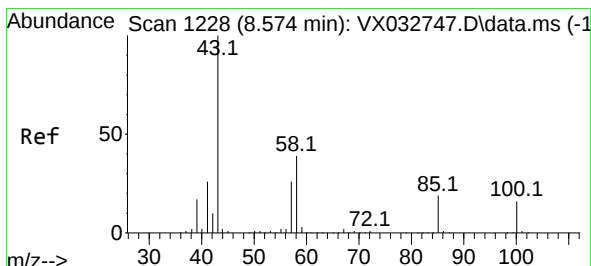
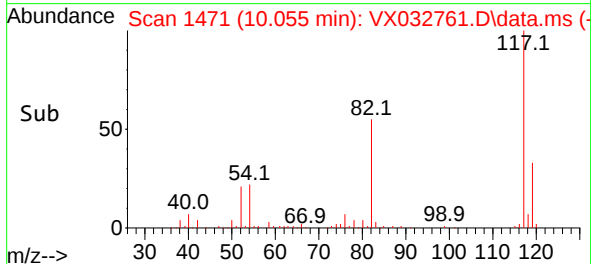
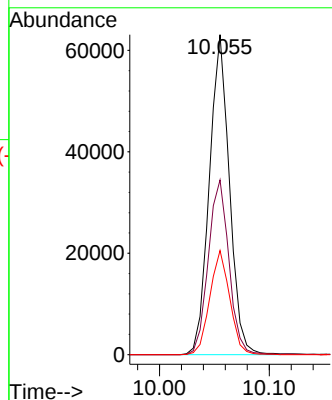
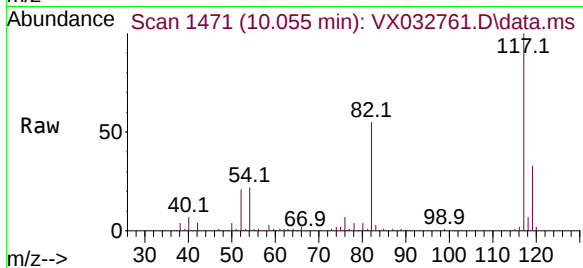
Tgt Ion:117 Resp: 80425

Ion Ratio Lower Upper

117 100

82 56.0 40.0 60.0

119 32.2 26.0 39.0



#58

4-Methyl-2-Pentanone

Concen: 0.232 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032761.D

Acq: 11 Nov 2022 09:52

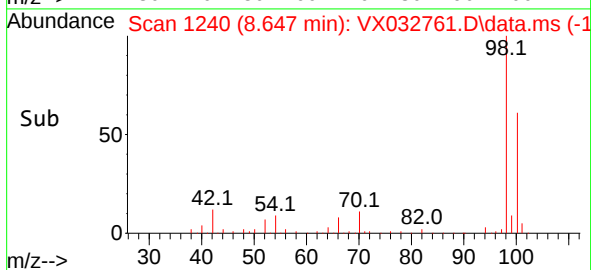
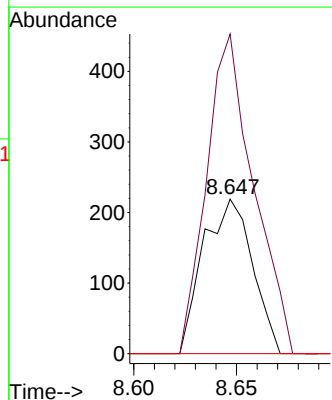
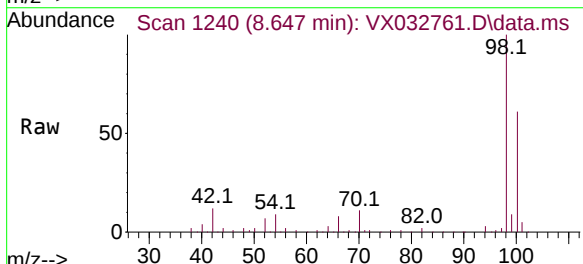
Tgt Ion: 43 Resp: 365

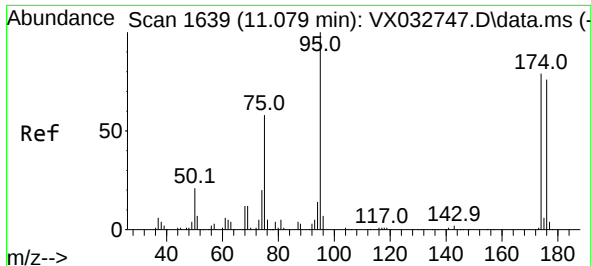
Ion Ratio Lower Upper

43 100

58 197.5 34.9 52.3#

85 0.0 19.4 29.2#

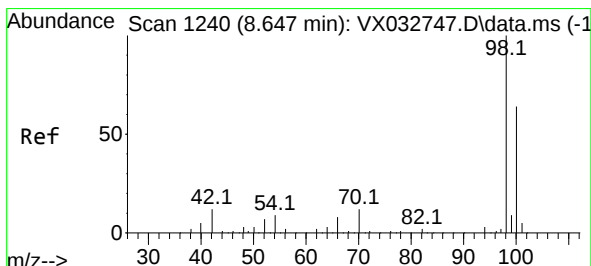
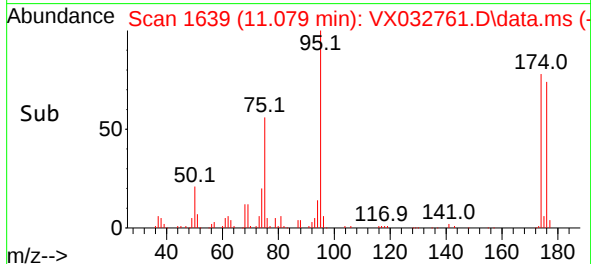
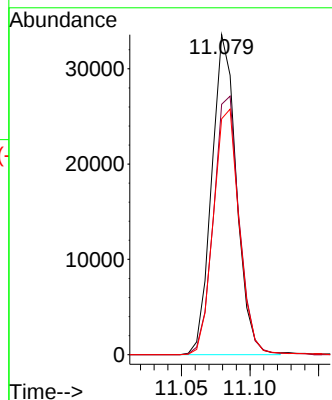
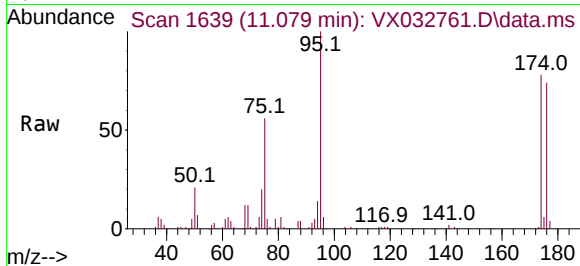




#60
4-Bromofluorobenzene
Concen: 27.401 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

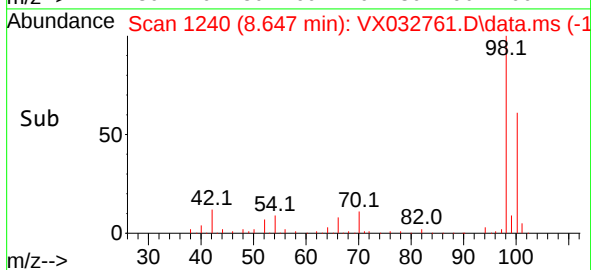
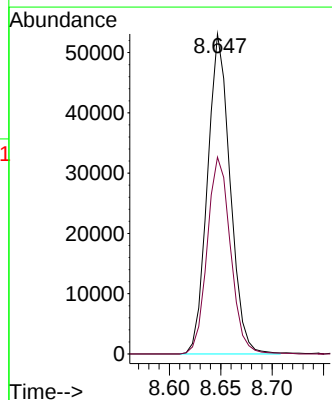
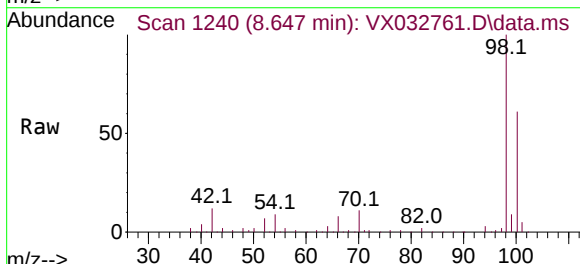
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

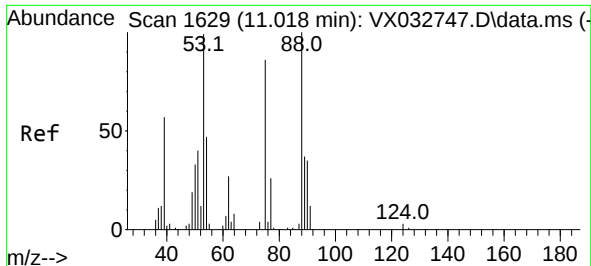
Tgt Ion: 95 Resp: 42155
Ion Ratio Lower Upper
95 100
174 83.8 68.2 102.2
176 80.8 68.1 102.1



#63
Toluene-d8
Concen: 30.026 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX032761.D
Acq: 11 Nov 2022 09:52

Tgt Ion: 98 Resp: 81495
Ion Ratio Lower Upper
98 100
100 63.2 53.8 80.8





#77

t-1,4-Dichloro-2-butene

Concen: 47.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032761.D

Acq: 11 Nov 2022 09:52

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

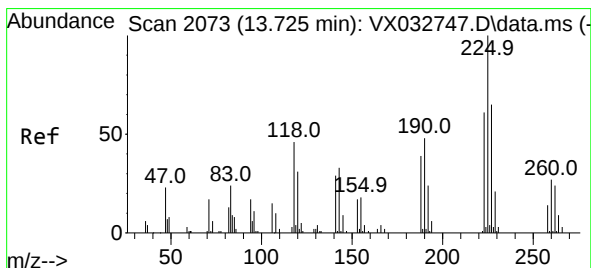
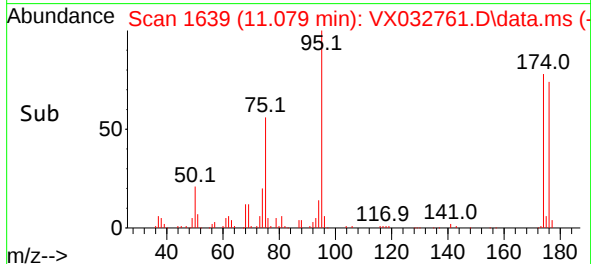
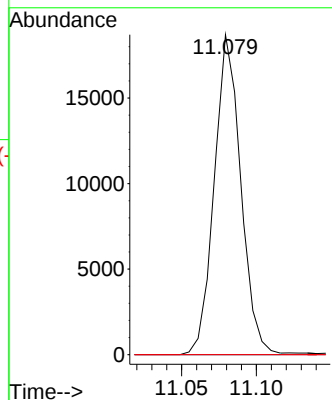
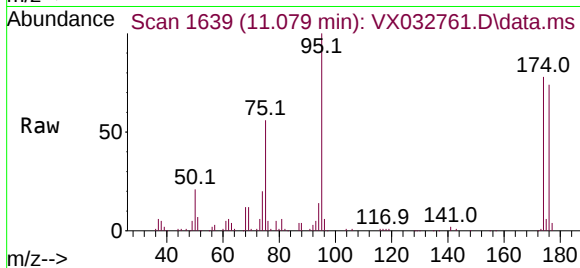
Tgt Ion: 75 Resp: 23021

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.4#

89 0.0 22.9 68.8#



#90

Hexachlorobutadiene

Concen: 0.522 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX032761.D

Acq: 11 Nov 2022 09:52

Tgt Ion: 225 Resp: 342

Ion Ratio Lower Upper

225 100

223 56.1 0.0 126.0

227 56.1 0.0 127.6

