

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041618.D
 Acq On : 23 May 2024 10:59
 Operator : JC/MD
 Sample : VX0523WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

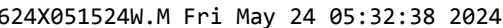
Quant Time: May 24 05:32:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

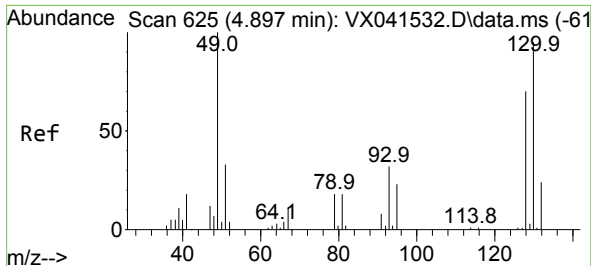
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.898	128	27365	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147319	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	131845	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	64537	29.948	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.833%
60) 4-Bromofluorobenzene	11.079	95	55723	27.074	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.233%
63) Toluene-d8	8.647	98	170210	30.117	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	517	0.493	ug/l #	55
13) Acrolein	2.246	56	124	0.483	ug/l	97
15) Acetone	2.392	58	1932	7.778	ug/l	88
16) Carbon Disulfide	2.502	76	791	0.250	ug/l #	74
18) Methylene Chloride	2.788	84	852	0.512	ug/l	91
51) Ethyl methacrylate	8.647	69	594	0.232	ug/l	81
55) 2-Chloroethyl vinyl ether	8.269	63	290	0.232	ug/l #	86
77) t-1,4-Dichloro-2-butene	11.079	75	28693	40.667	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.963	180	594	0.227	ug/l	97
91) Naphthalene	13.780	128	2217	0.283	ug/l #	93
92) 1,2,3-Trichlorobenzene	13.963	180	594	0.222	ug/l	96

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

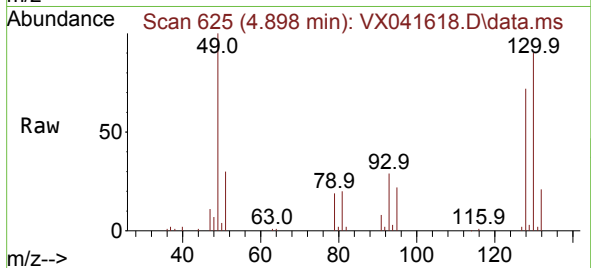
Quant Time: May 24 05:32:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



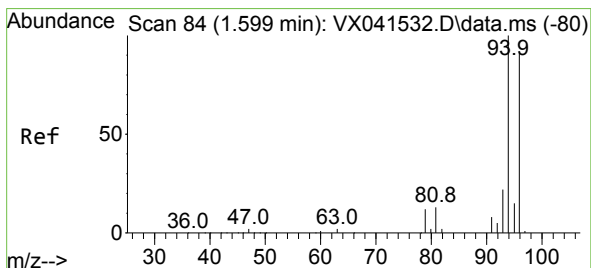
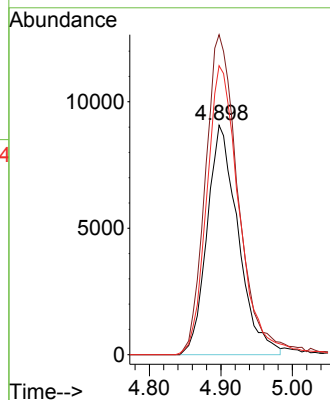
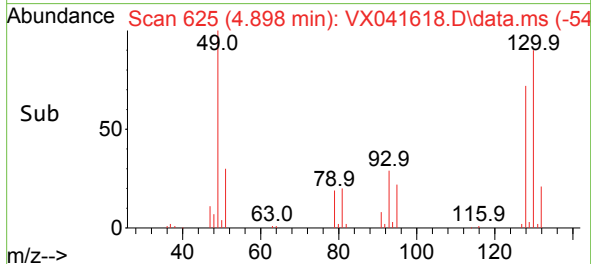


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :

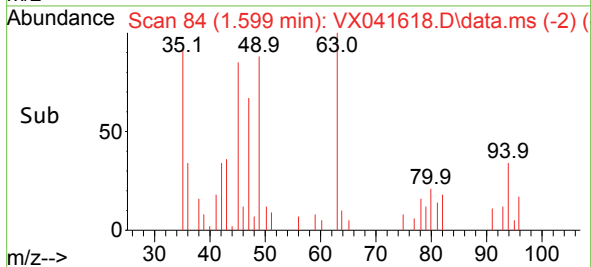
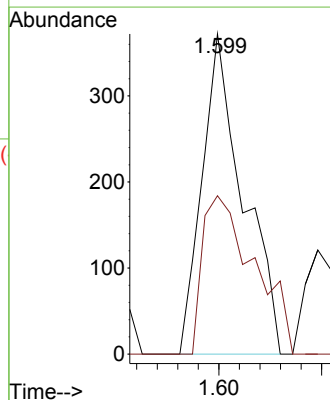
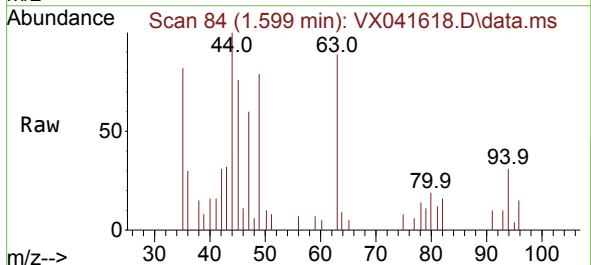


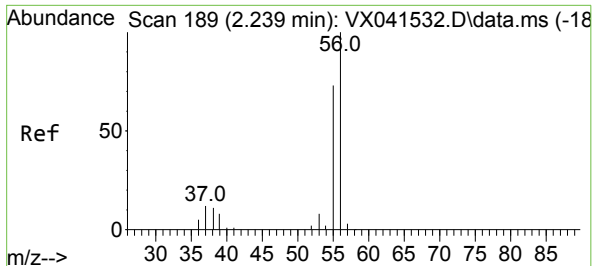
Tgt Ion:128 Resp: 27365
Ion Ratio Lower Upper
128 100
49 147.6 0.0 361.5
130 132.8 0.0 324.3



#5
Bromomethane
Concen: 0.493 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

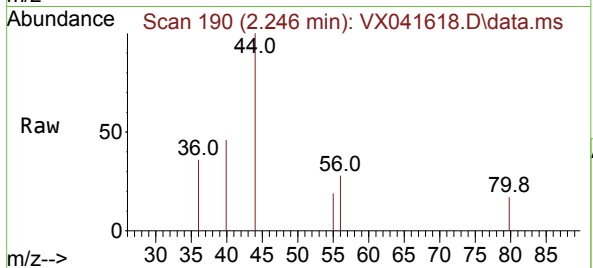
Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 49.5 73.9 110.9#



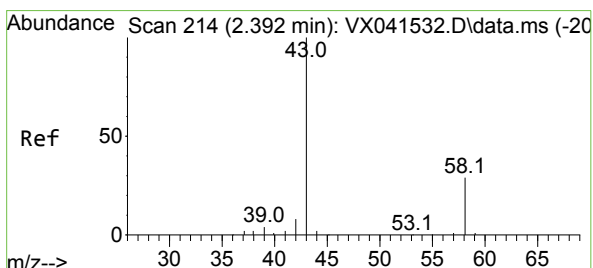
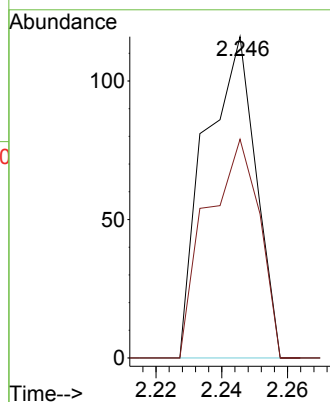
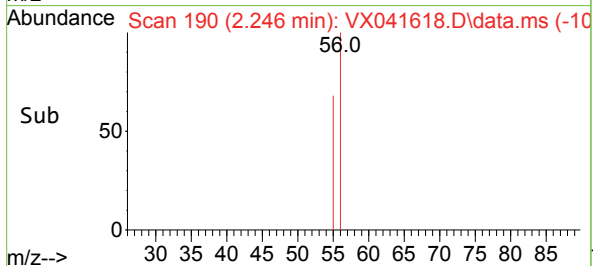


#13
Acrolein
Concen: 0.483 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :

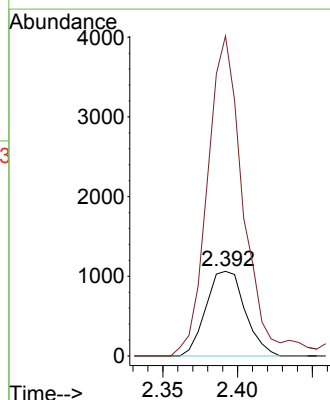
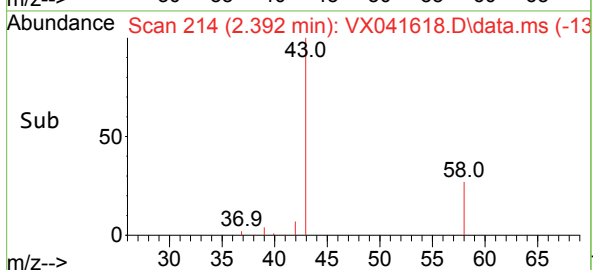
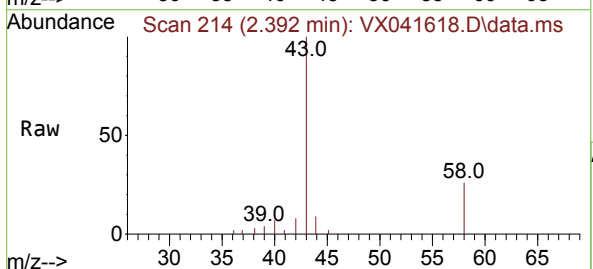


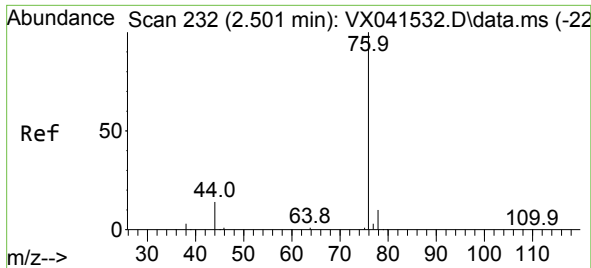
Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 71.0 55.1 82.7



#15
Acetone
Concen: 7.778 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Tgt Ion: 58 Resp: 1932
Ion Ratio Lower Upper
58 100
43 367.7 274.0 411.0

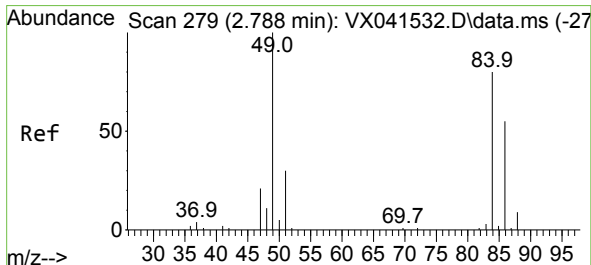
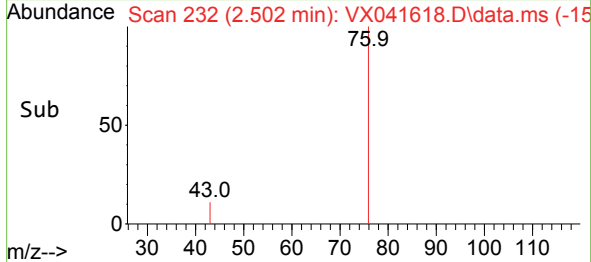
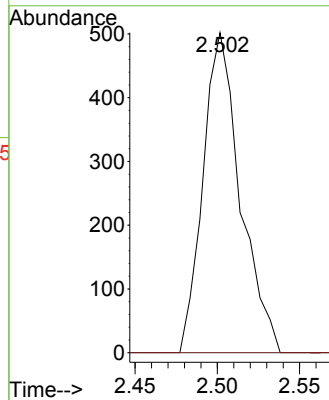
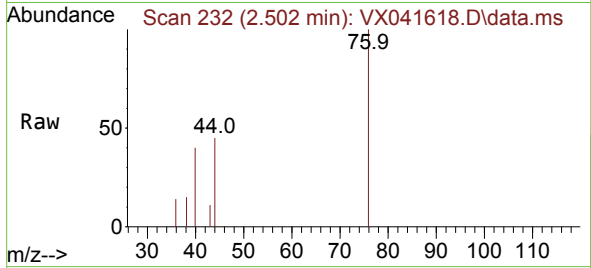




#16
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

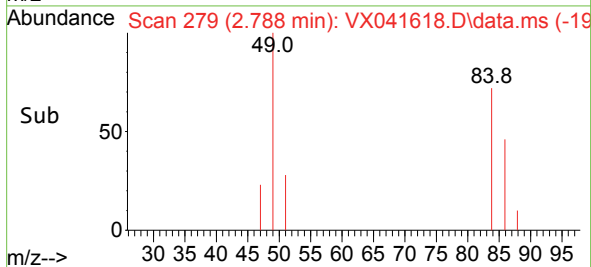
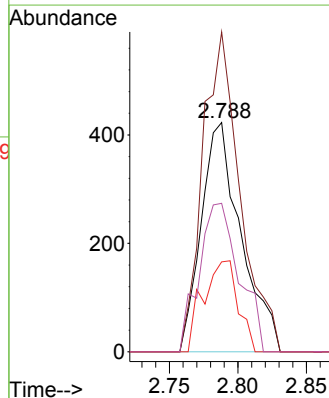
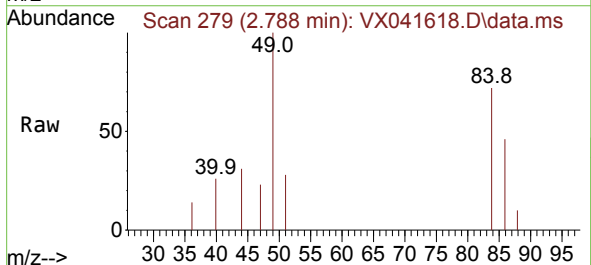
Instrument :
MSVOA_X
ClientSampleId :

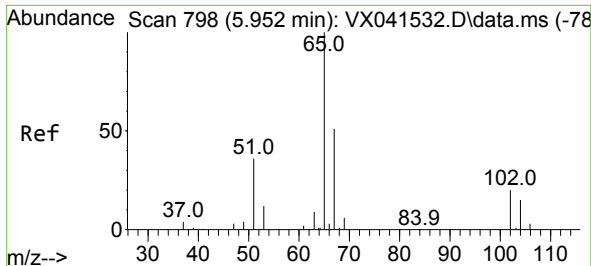
Tgt Ion: 76 Resp: 791
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.512 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Tgt Ion: 84 Resp: 852
Ion Ratio Lower Upper
84 100
49 139.5 99.8 149.8
51 39.2 30.2 45.4
86 64.8 54.6 81.8





#27

1,2-Dichloroethane-d4

Concen: 29.948 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041618.D

Acq: 23 May 2024 10:59

Instrument :

MSVOA_X

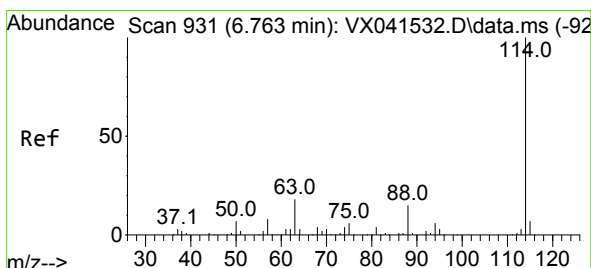
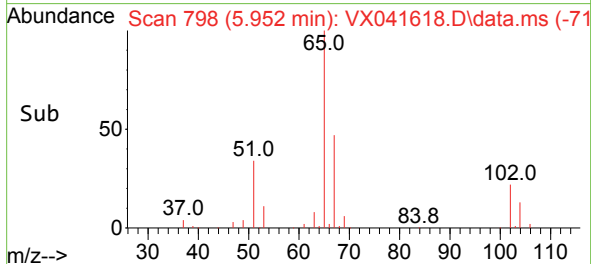
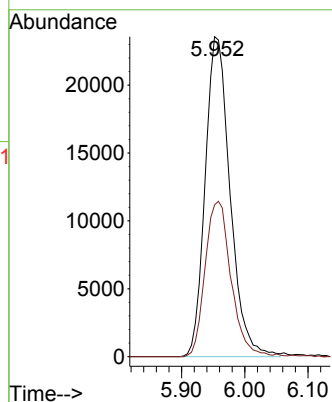
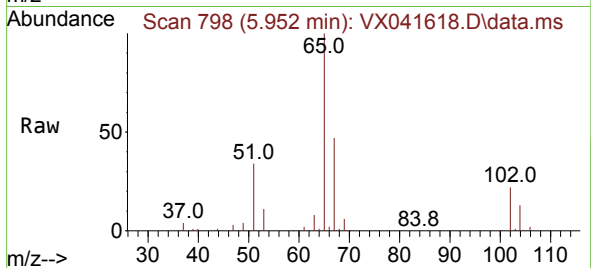
ClientSampleId :

Tgt Ion: 65 Resp: 64537

Ion Ratio Lower Upper

65 100

67 50.3 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041618.D

Acq: 23 May 2024 10:59

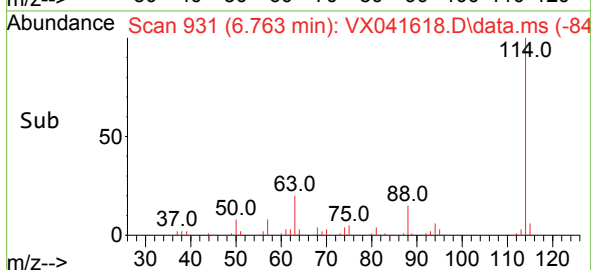
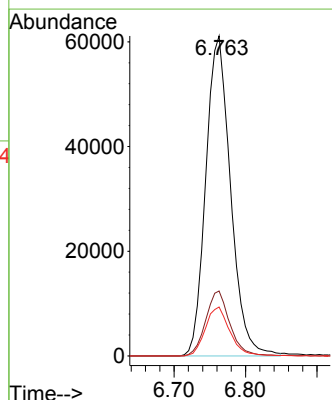
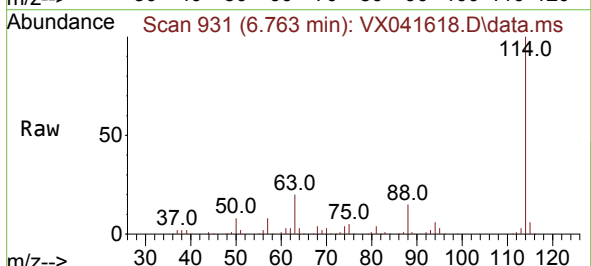
Tgt Ion: 114 Resp: 147319

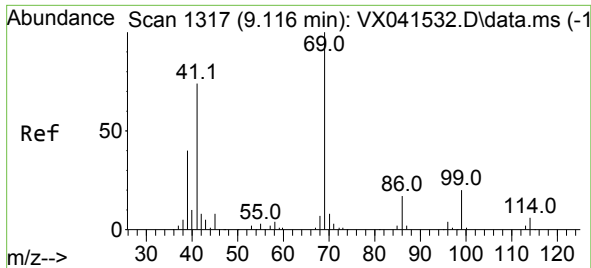
Ion Ratio Lower Upper

114 100

63 19.7 15.4 23.0

88 15.1 12.2 18.2

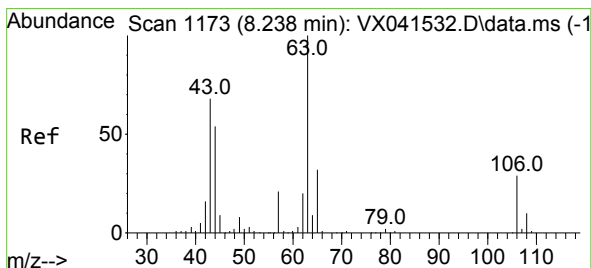
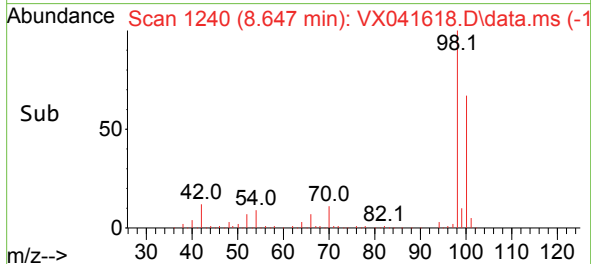
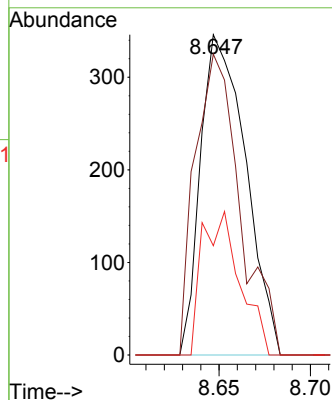
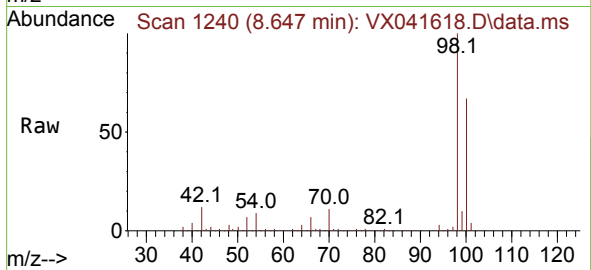




#51
Ethyl methacrylate
Concen: 0.232 ug/l
RT: 8.647 min Scan# 1178
Delta R.T. -0.469 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

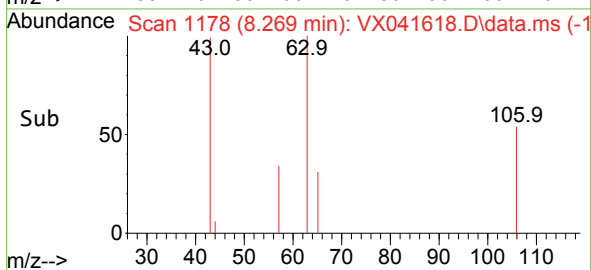
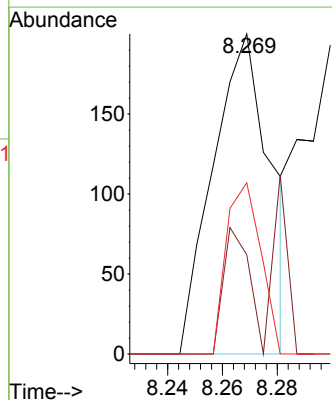
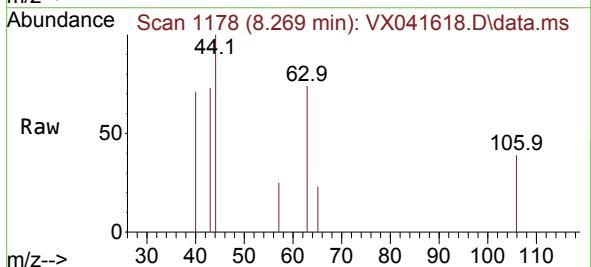
Instrument :
MSVOA_X
ClientSampleId :

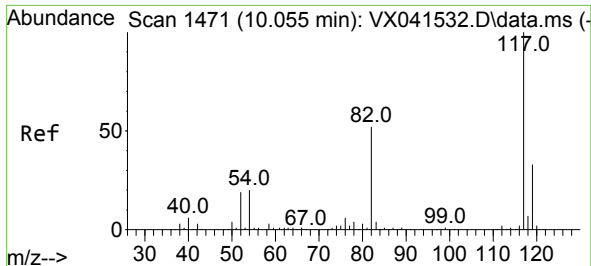
Tgt Ion: 69 Resp: 594
Ion Ratio Lower Upper
69 100
41 93.9 37.1 111.3
39 34.1 20.2 60.6



#55
2-Chloroethyl vinyl ether
Concen: 0.232 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.031 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Tgt Ion: 63 Resp: 290
Ion Ratio Lower Upper
63 100
65 17.9 25.5 38.3#
106 32.1 24.7 37.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041618.D

Acq: 23 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

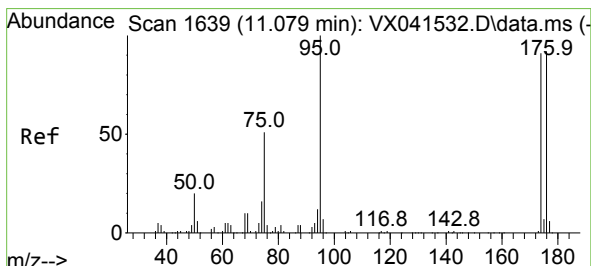
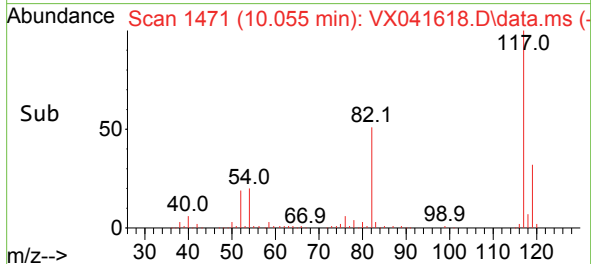
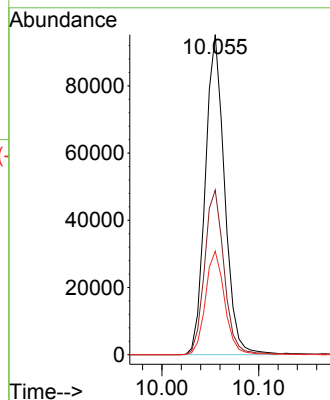
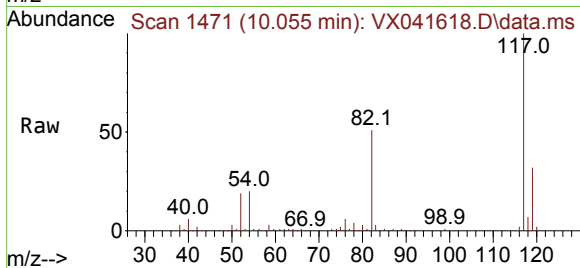
Tgt Ion:117 Resp: 131845

Ion Ratio Lower Upper

117 100

82 52.2 41.7 62.5

119 32.1 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 27.074 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041618.D

Acq: 23 May 2024 10:59

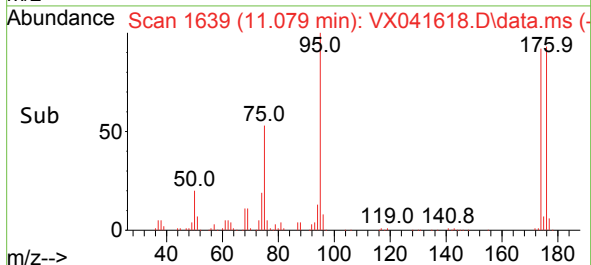
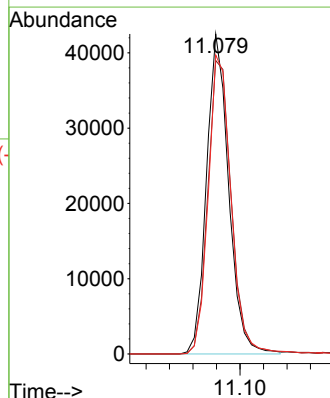
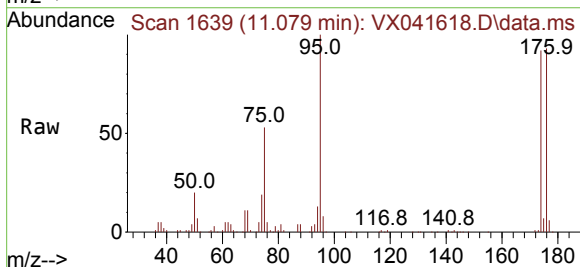
Tgt Ion: 95 Resp: 55723

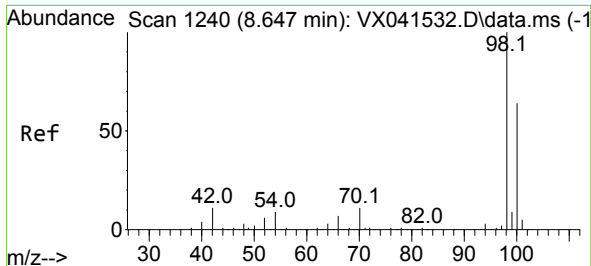
Ion Ratio Lower Upper

95 100

174 97.4 76.6 115.0

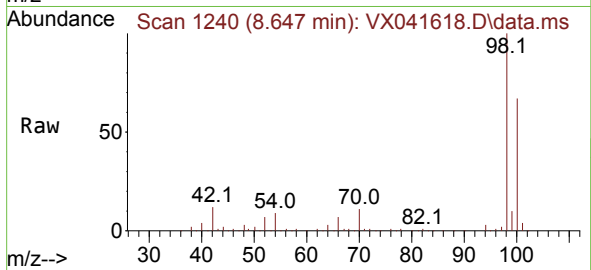
176 95.8 75.4 113.0



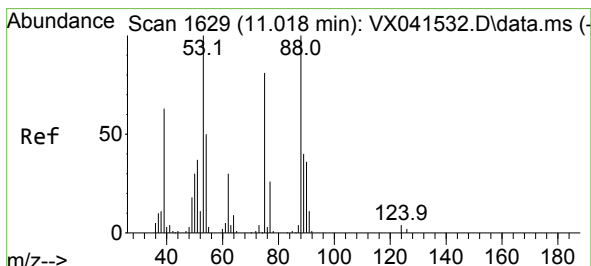
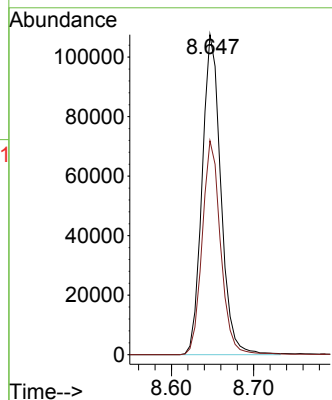
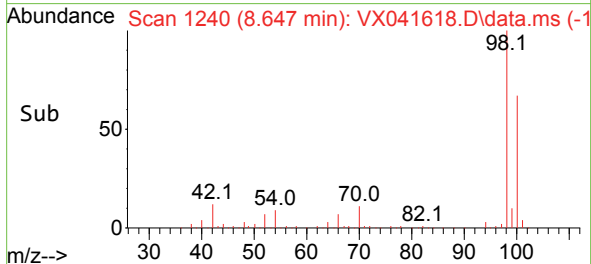


#63
Toluene-d8
Concen: 30.117 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :

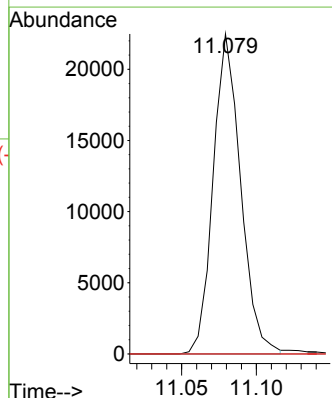
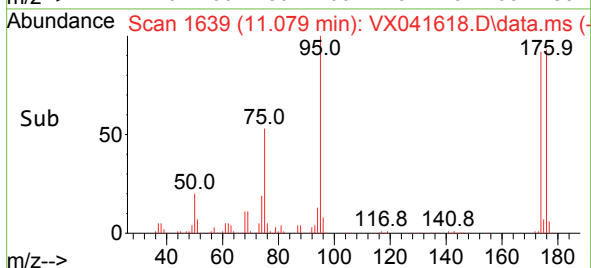
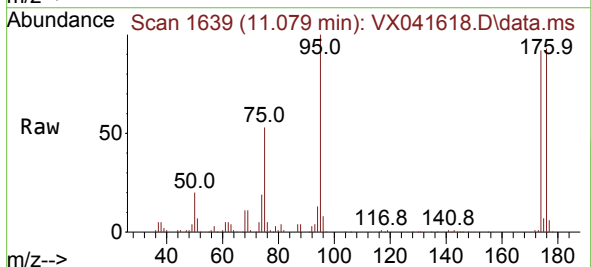


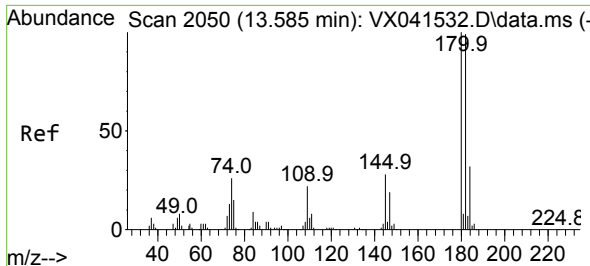
Tgt Ion: 98 Resp: 170210
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 40.667 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

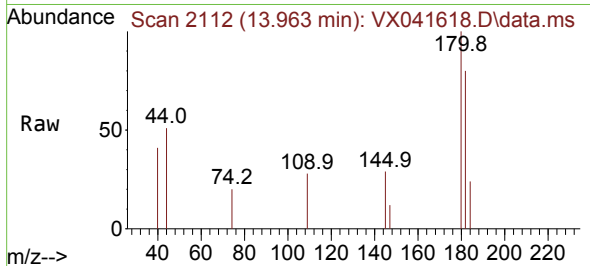
Tgt Ion: 75 Resp: 28693
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



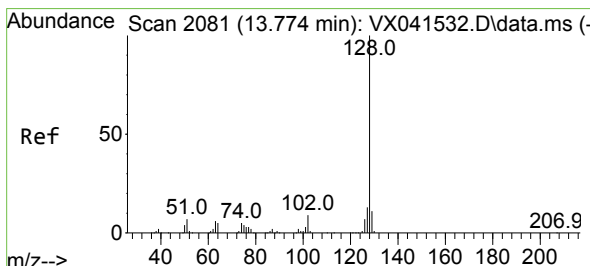
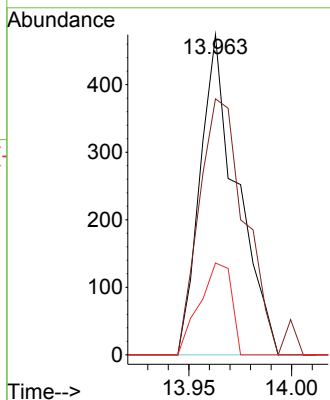
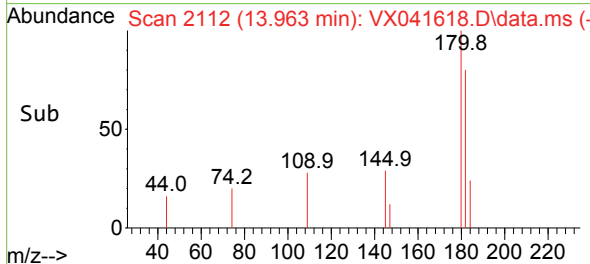


#89
1,2,4-Trichlorobenzene
Concen: 0.227 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.378 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59

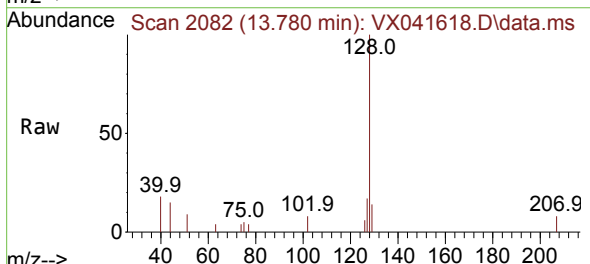
Instrument :
MSVOA_X
ClientSampleId :



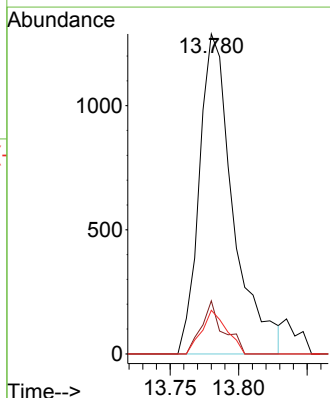
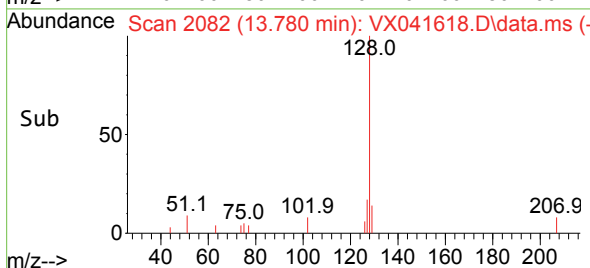
Tgt Ion:180 Resp: 594
Ion Ratio Lower Upper
180 100
182 97.8 77.0 115.4
145 24.7 22.7 34.1

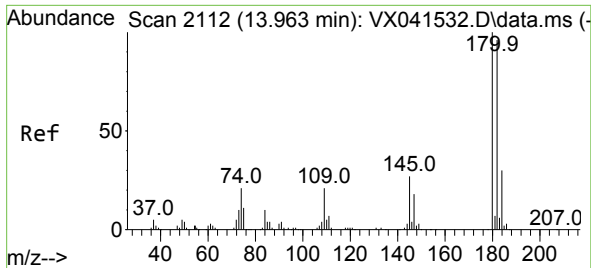


#91
Naphthalene
Concen: 0.283 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041618.D
Acq: 23 May 2024 10:59



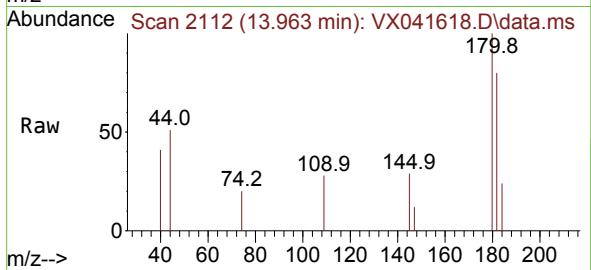
Tgt Ion:128 Resp: 2217
Ion Ratio Lower Upper
128 100
127 9.3 10.6 16.0#
129 10.1 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX041618.D
 Acq: 23 May 2024 10:59

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	594
Ion	Ratio	Lower	Upper
180	100		
182	97.8	0.0	191.0
145	24.7	0.0	58.6

