

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041580.D
 Acq On : 21 May 2024 11:23
 Operator : JC/MD
 Sample : VX0521WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBL01

Quant Time: May 22 02:52:58 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)

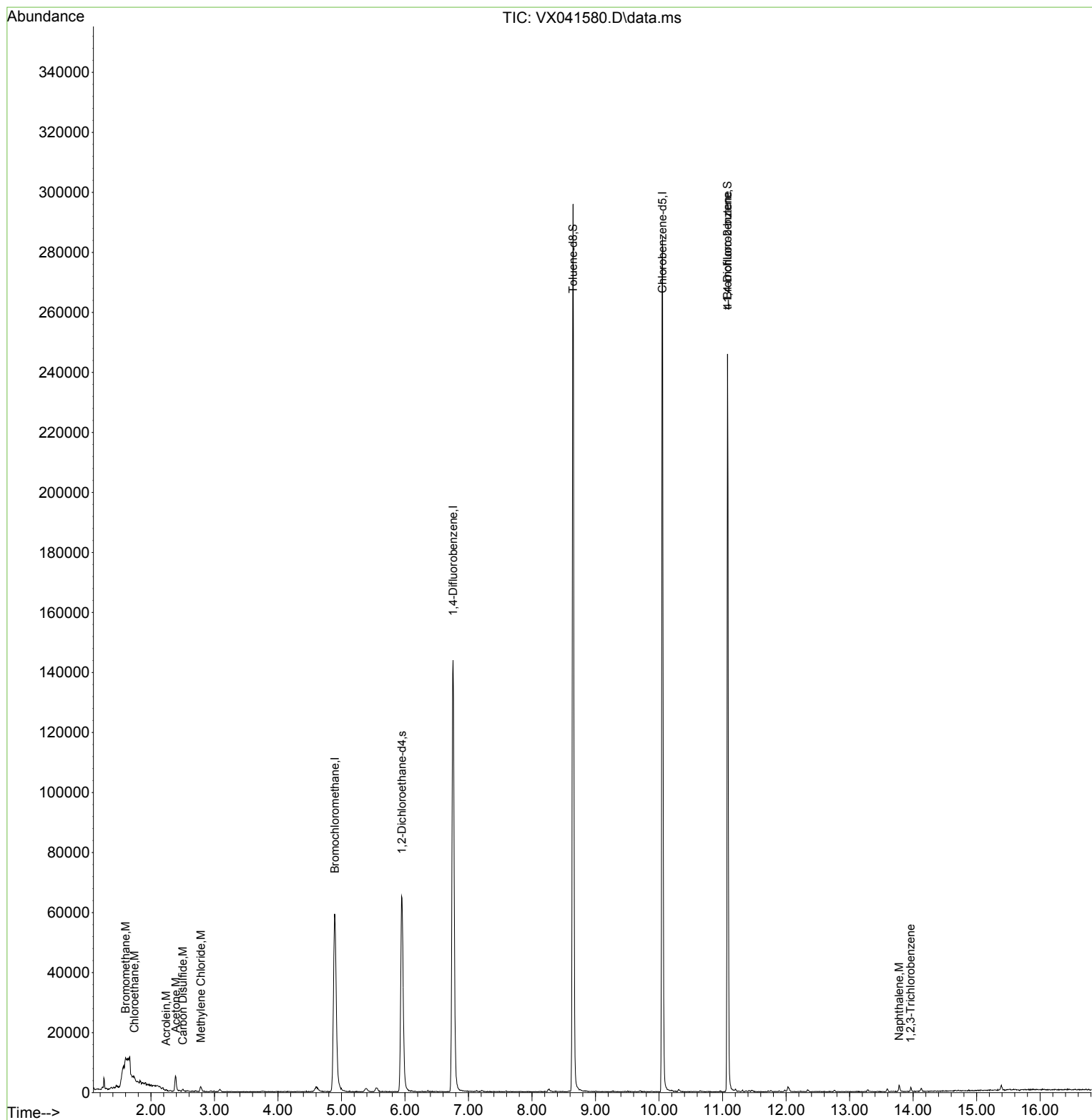
Internal Standards						
1) Bromochloromethane	4.897	128	28005	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	155217	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	139140	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	65528	29.713	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.033%
60) 4-Bromofluorobenzene	11.079	95	59677	27.475	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.567%
63) Toluene-d8	8.647	98	177410	29.745	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	439	0.409	ug/l	97
6) Chloroethane	1.739	64	222	0.260	ug/l	98
13) Acrolein	2.239	56	159	0.605	ug/l	87
15) Acetone	2.392	58	1653	6.503	ug/l	79
16) Carbon Disulfide	2.501	76	965	0.298	ug/l #	94
18) Methylene Chloride	2.788	84	930	0.546	ug/l #	82
77) t-1,4-Dichloro-2-butene	11.079	75	29837	40.071	ug/l #	1
91) Naphthalene	13.780	128	1954	0.237	ug/l	97
92) 1,2,3-Trichlorobenzene	13.963	180	566	0.200	ug/l	94

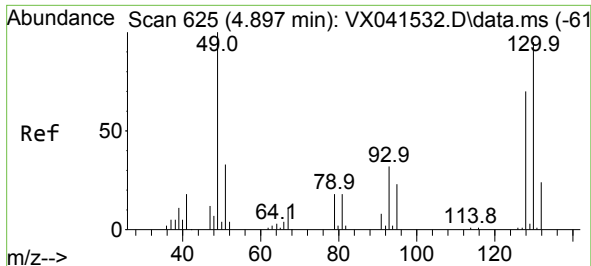
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0521WBL01

Quant Time: May 22 02:52:58 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

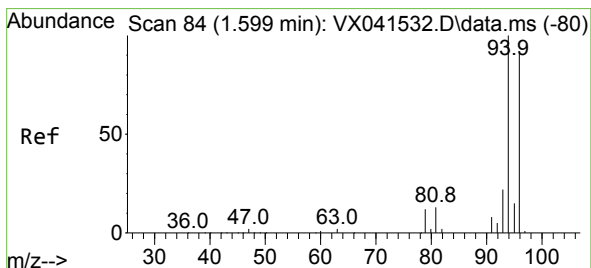
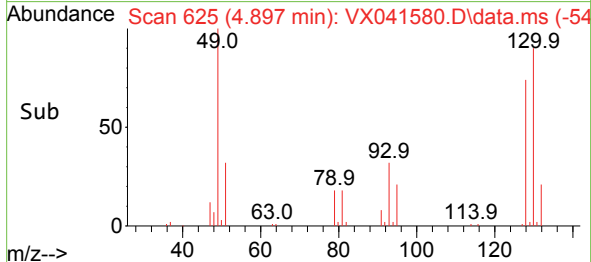
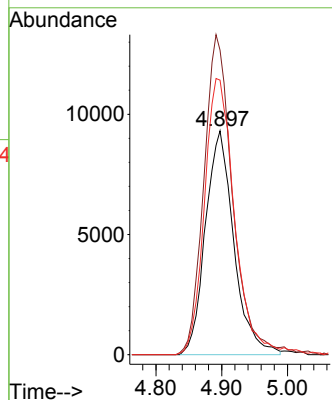
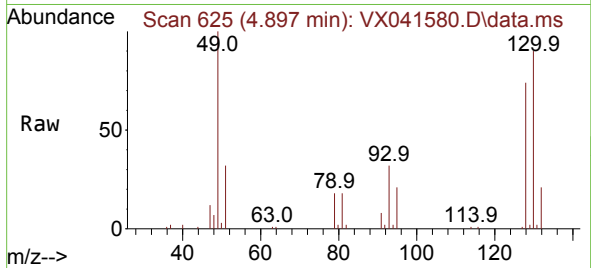




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

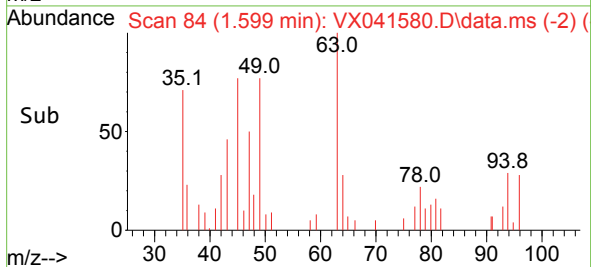
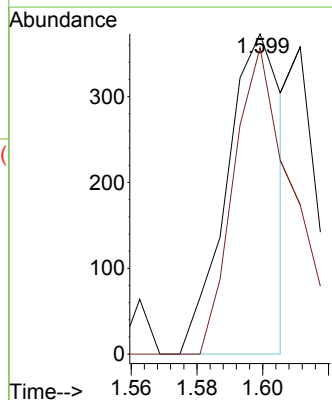
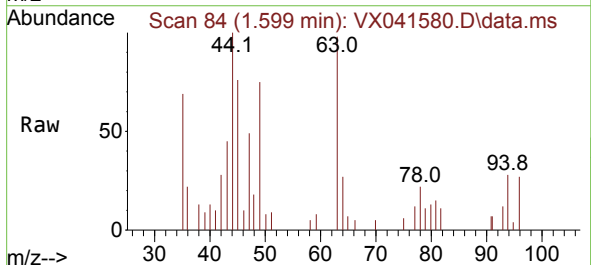
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

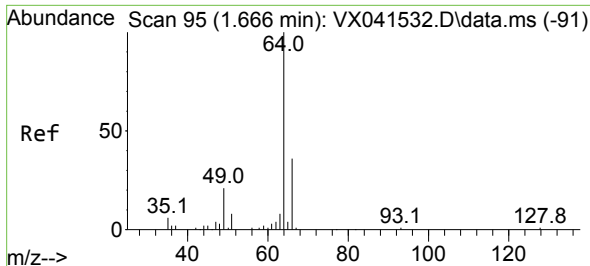
Tgt Ion:128 Resp: 28005
Ion Ratio Lower Upper
128 100
49 143.5 0.0 361.5
130 129.9 0.0 324.3



#5
Bromomethane
Concen: 0.409 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 95.7 73.9 110.9

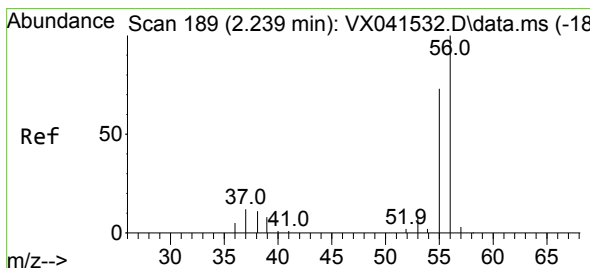
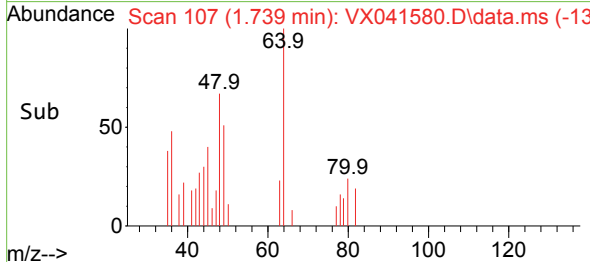
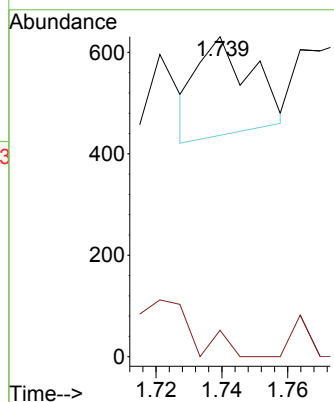
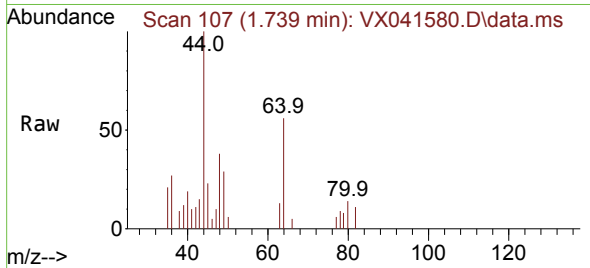




#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.073 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

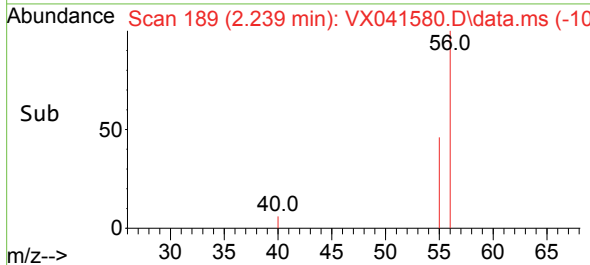
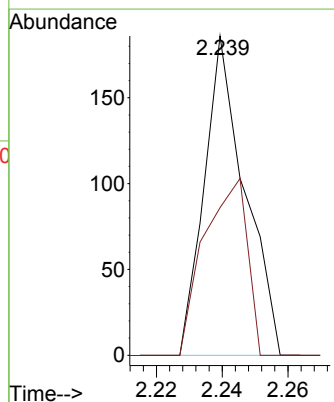
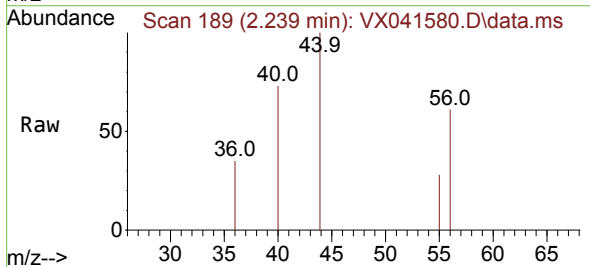
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

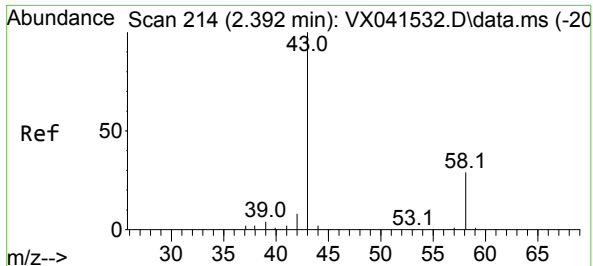
Tgt Ion: 64 Resp: 222
Ion Ratio Lower Upper
64 100
66 34.4 28.6 42.8



#13
Acrolein
Concen: 0.605 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 58.5 55.1 82.7

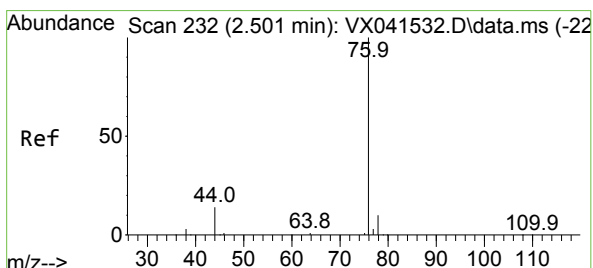
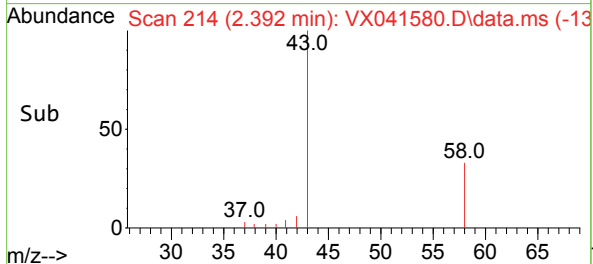
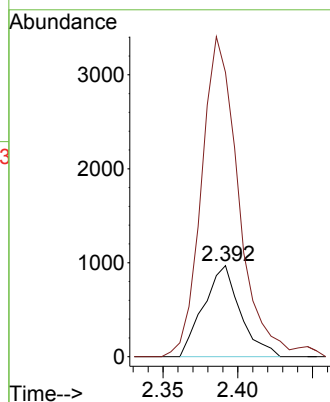
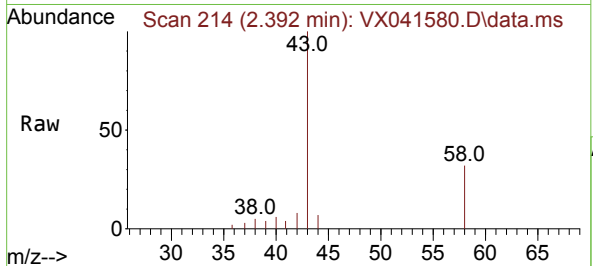




#15
Acetone
Concen: 6.503 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

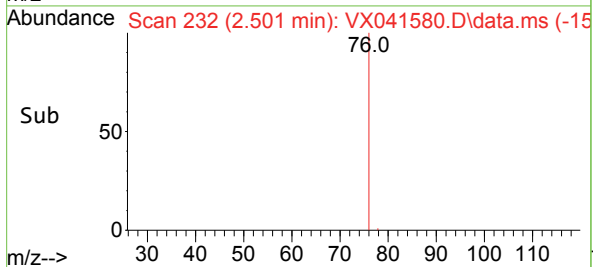
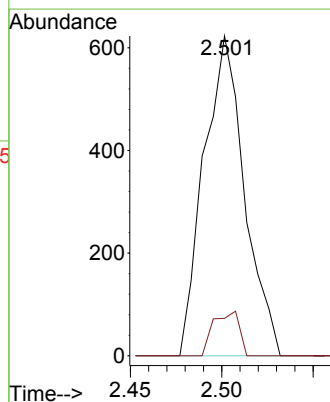
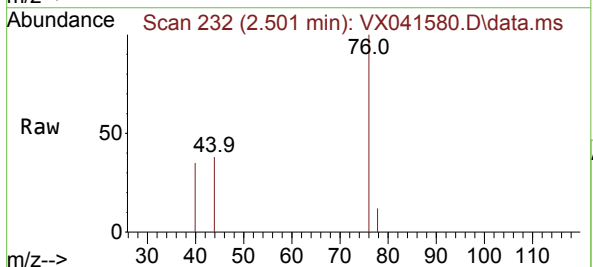
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

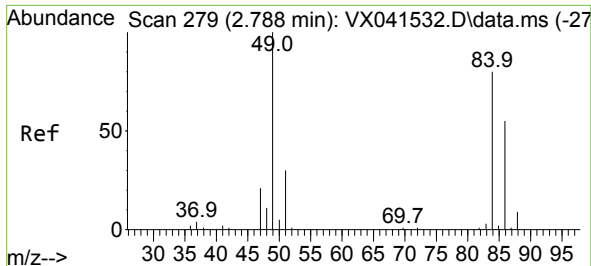
Tgt Ion: 58 Resp: 1653
Ion Ratio Lower Upper
58 100
43 296.7 274.0 411.0



#16
Carbon Disulfide
Concen: 0.298 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 76 Resp: 965
Ion Ratio Lower Upper
76 100
78 11.7 7.6 11.4#

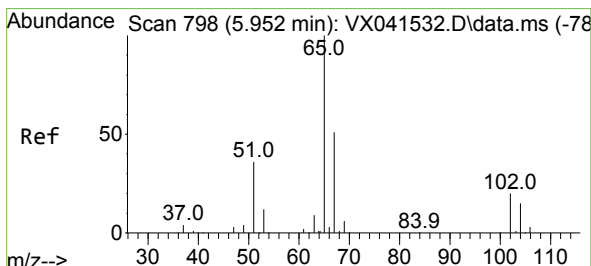
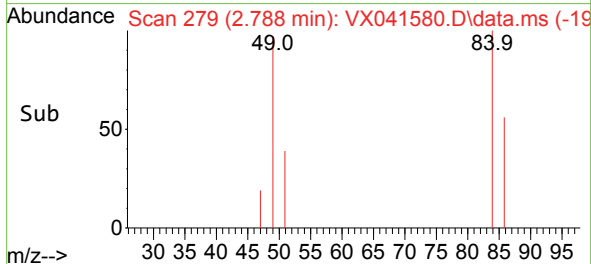
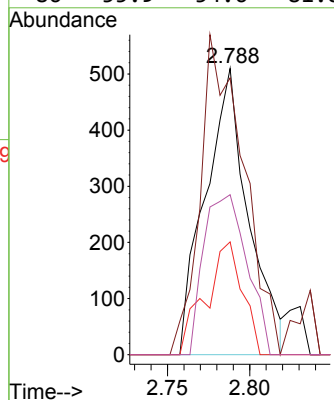
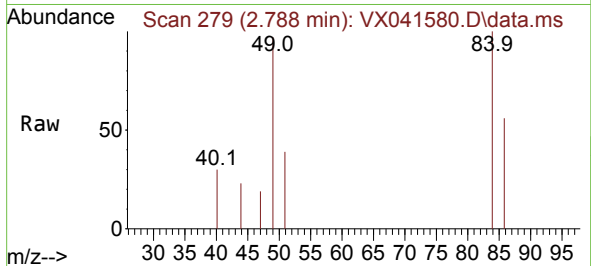




#18
Methylene Chloride
Concen: 0.546 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

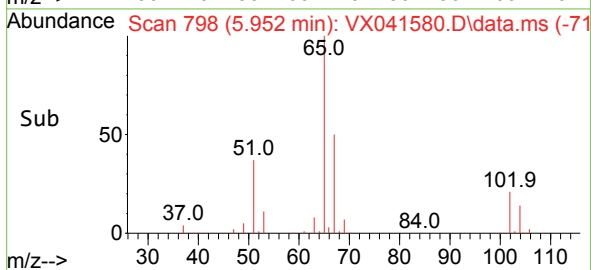
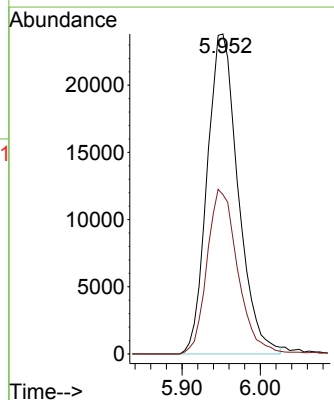
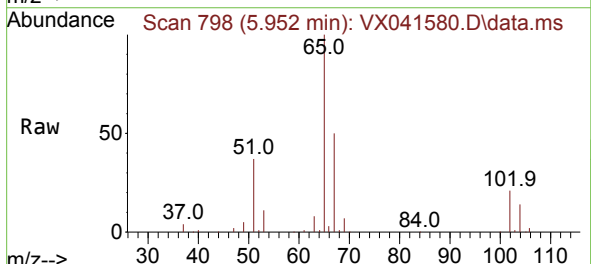
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

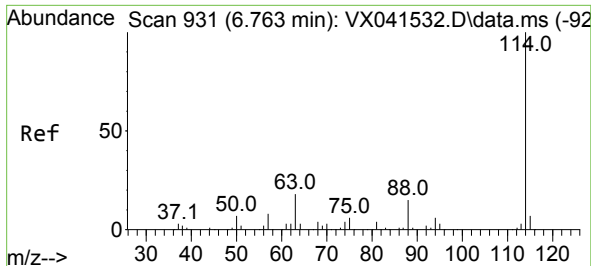
Tgt Ion: 84	Resp: 930
Ion Ratio	Lower Upper
84 100	
49 96.7	99.8 149.8#
51 39.4	30.2 45.4
86 55.9	54.6 81.8



#27
1,2-Dichloroethane-d4
Concen: 29.713 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 65	Resp: 65528
Ion Ratio	Lower Upper
65 100	
67 50.9	40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX041580.D

Acq: 21 May 2024 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01

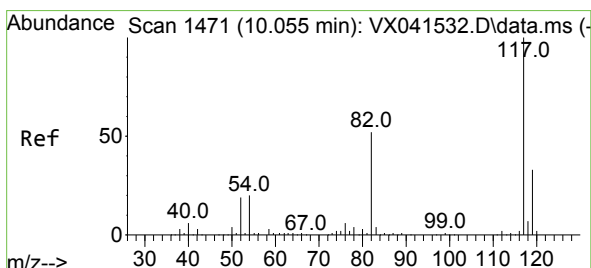
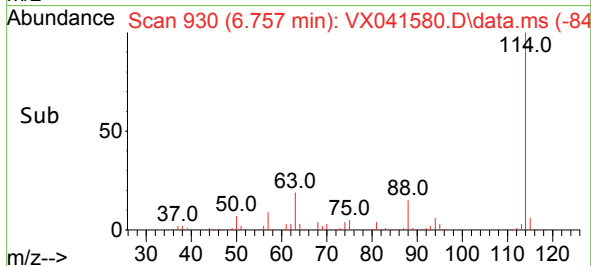
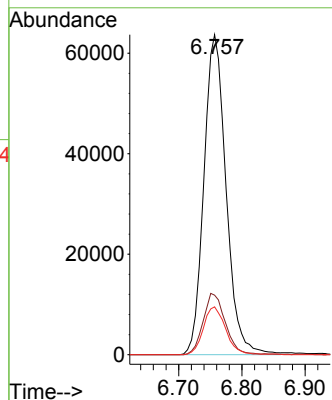
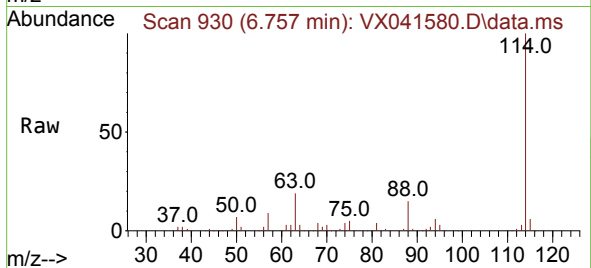
Tgt Ion:114 Resp: 155217

Ion Ratio Lower Upper

114 100

63 19.1 15.4 23.0

88 15.1 12.2 18.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041580.D

Acq: 21 May 2024 11:23

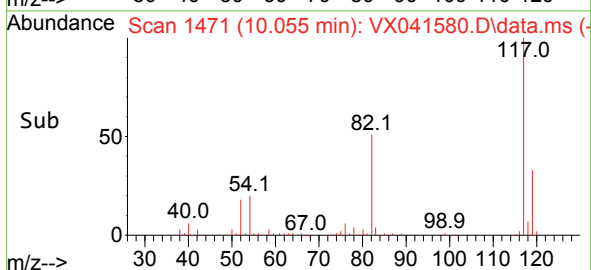
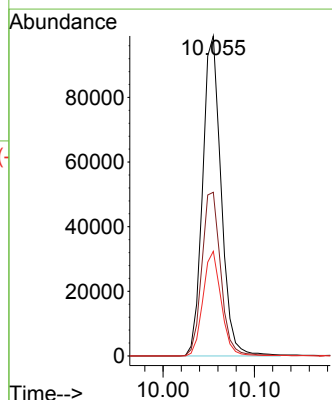
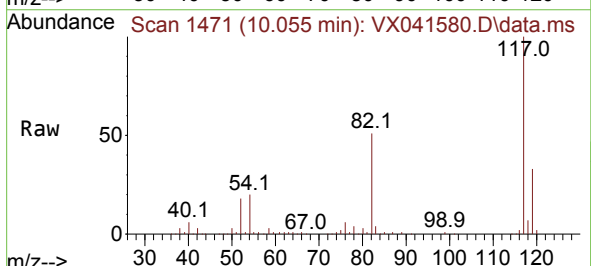
Tgt Ion:117 Resp: 139140

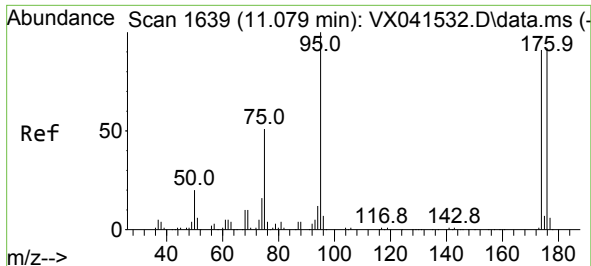
Ion Ratio Lower Upper

117 100

82 52.1 41.7 62.5

119 32.2 25.7 38.5

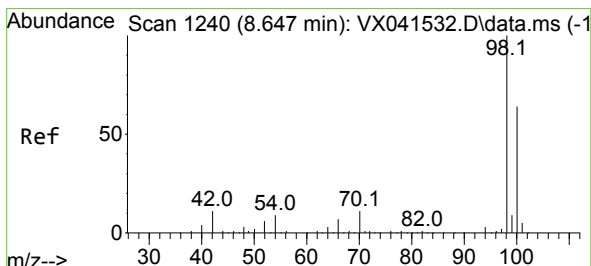
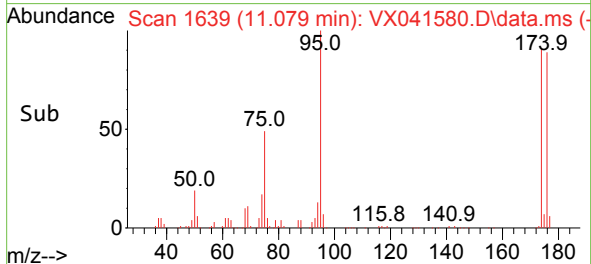
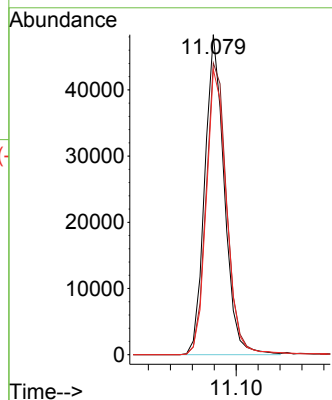
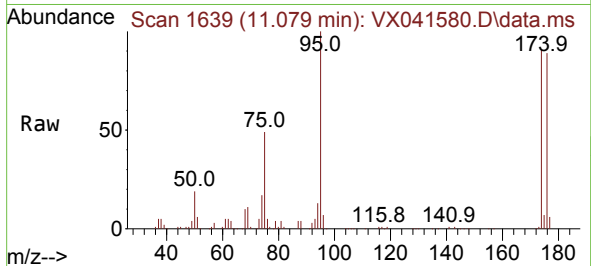




#60
4-Bromofluorobenzene
Concen: 27.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

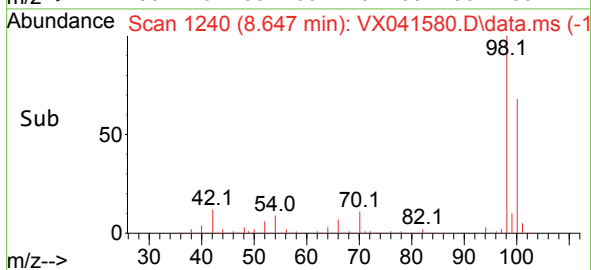
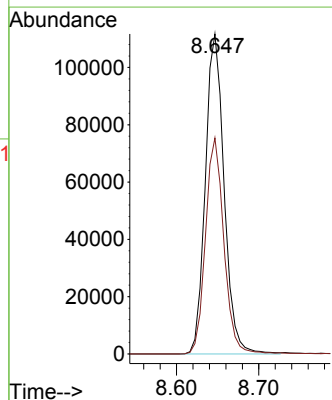
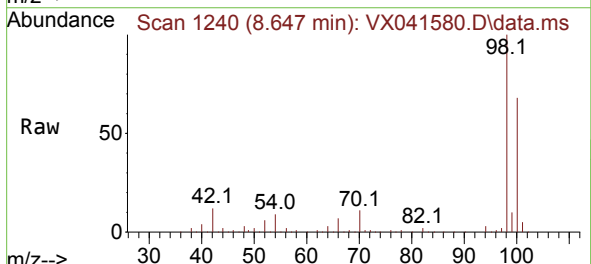
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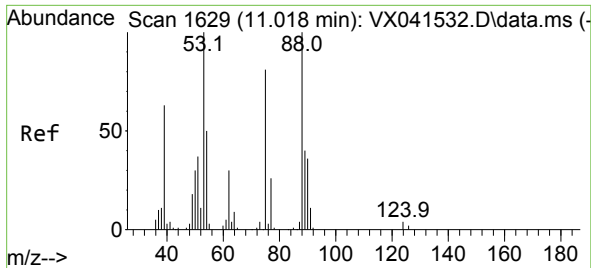
Tgt Ion: 95 Resp: 59677
Ion Ratio Lower Upper
95 100
174 97.0 76.6 115.0
176 93.2 75.4 113.0



#63
Toluene-d8
Concen: 29.745 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 98 Resp: 177410
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

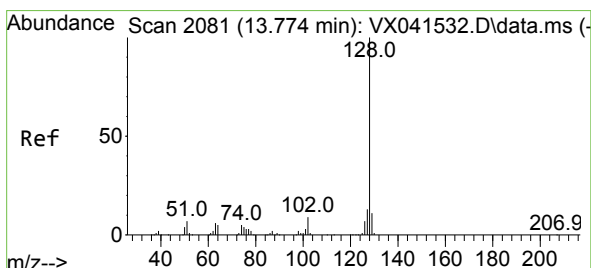
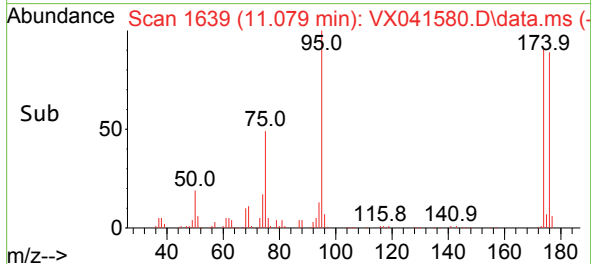
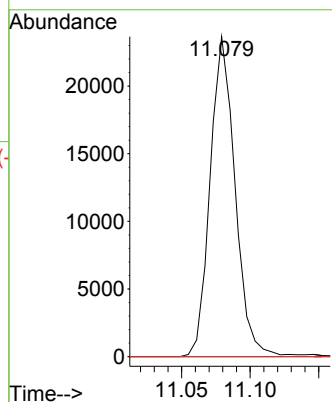
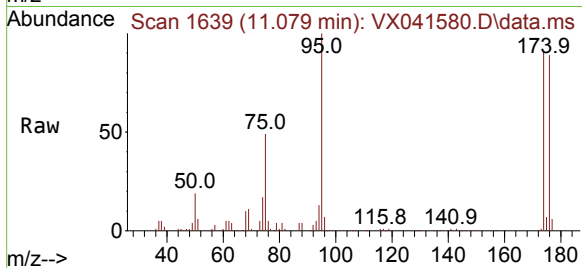




#77
t-1,4-Dichloro-2-butene
Concen: 40.071 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

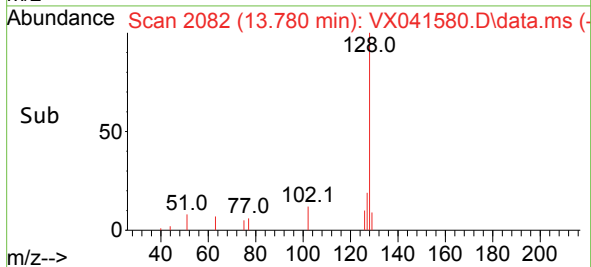
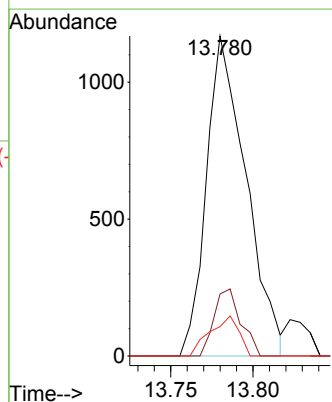
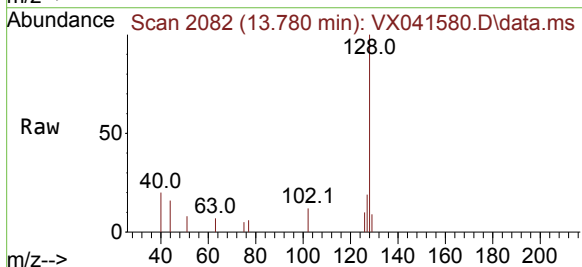
Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

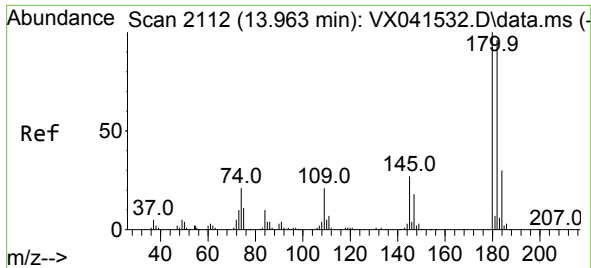
Tgt Ion: 75 Resp: 29837
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



#91
Naphthalene
Concen: 0.237 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041580.D
Acq: 21 May 2024 11:23

Tgt Ion: 128 Resp: 1954
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 9.1 8.8 13.2





#92

1,2,3-Trichlorobenzene

Concen: 0.200 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX041580.D

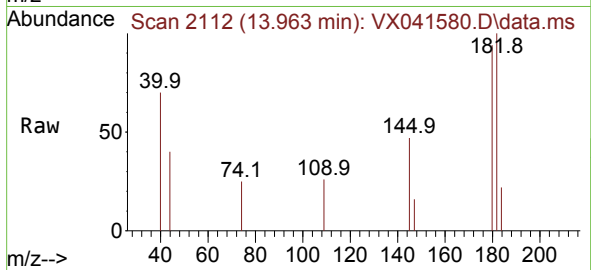
Acq: 21 May 2024 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBL01



Tgt Ion:180 Resp: 566

Ion Ratio Lower Upper

180 100

182 89.6 0.0 191.0

145 26.9 0.0 58.6

