

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051524\
 Data File : VX041543.D
 Acq On : 15 May 2024 16:43
 Operator : JC/MD
 Sample : P2478-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 240502065-04-TRIP-BLANK

Quant Time: May 16 05:28:13 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)

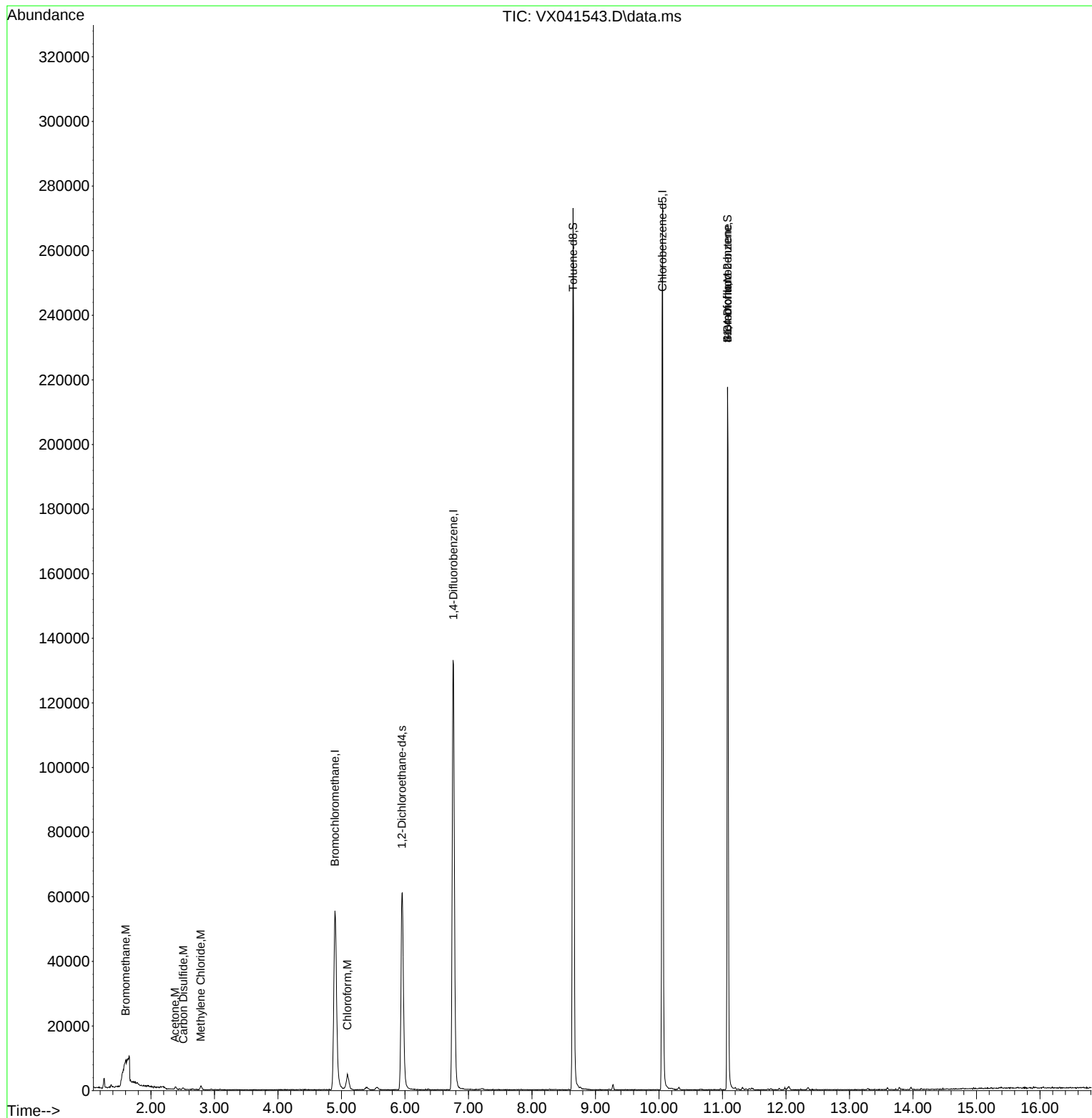
Internal Standards						
1) Bromochloromethane	4.898	128	26423	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	144747	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	127503	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	62170	29.878	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.600%
60) 4-Bromofluorobenzene	11.079	95	54096	27.178	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.600%
63) Toluene-d8	8.647	98	164573	30.111	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.367%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	583	0.575	ug/l	93
15) Acetone	2.380	58	223	0.930	ug/l #	43
16) Carbon Disulfide	2.508	76	705	0.231	ug/l #	74
18) Methylene Chloride	2.782	84	350	0.218	ug/l #	93
25) Chloroform	5.093	83	5619	1.864	ug/l	86
56) Bromoform	11.079	173	290	0.203	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27880	40.861	ug/l #	1

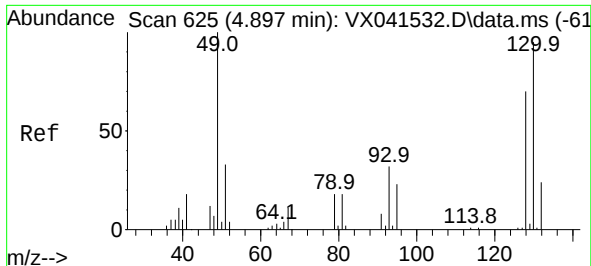
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
240502065-04-TRIP-BLANK

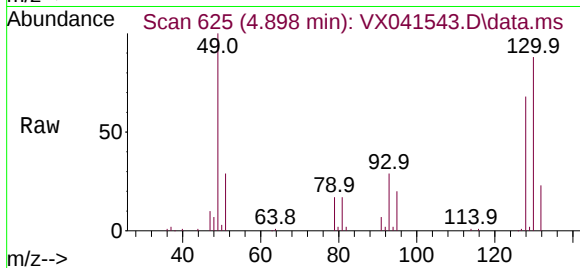
Quant Time: May 16 05:28:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



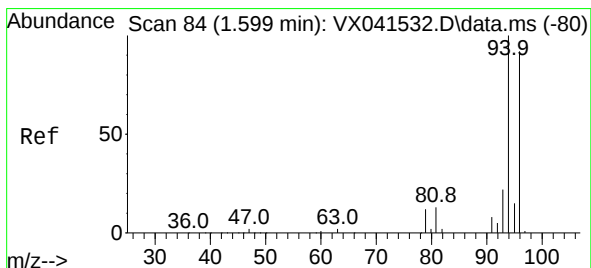
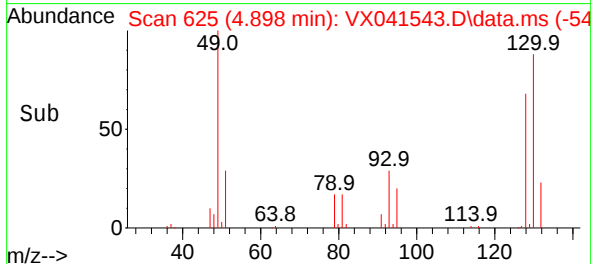
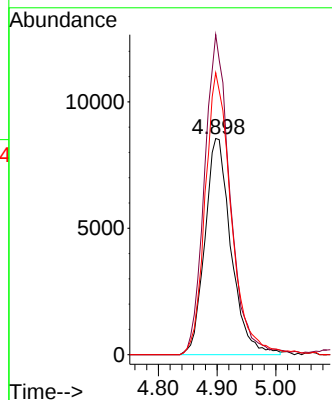


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

Instrument :
MSVOA_X
ClientSampleId :
240502065-04-TRIP-BLANK

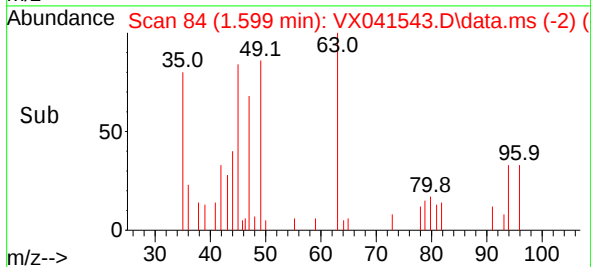
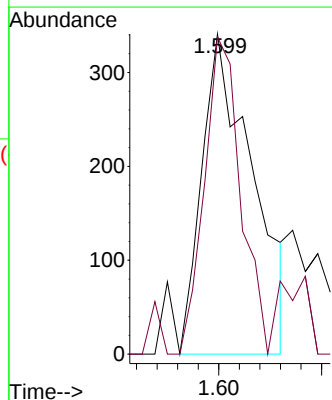
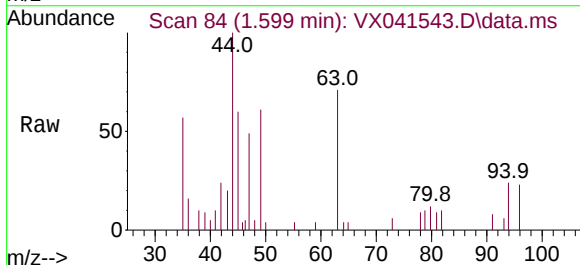


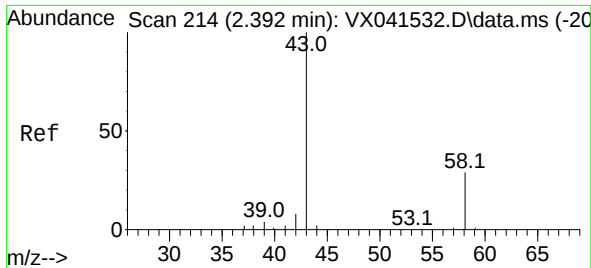
Tgt Ion:128 Resp: 26423
Ion Ratio Lower Upper
128 100
49 143.5 0.0 361.5
130 129.9 0.0 324.3



#5
Bromomethane
Concen: 0.575 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 99.1 73.9 110.9

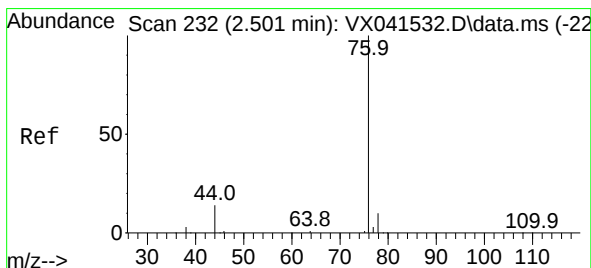
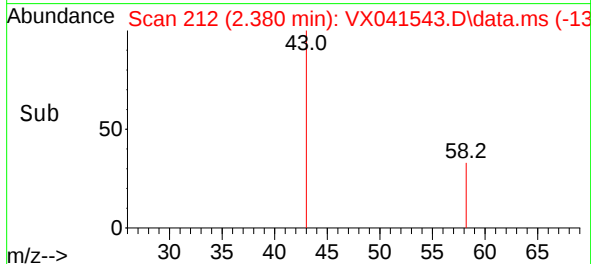
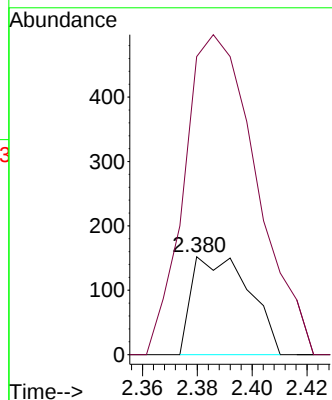
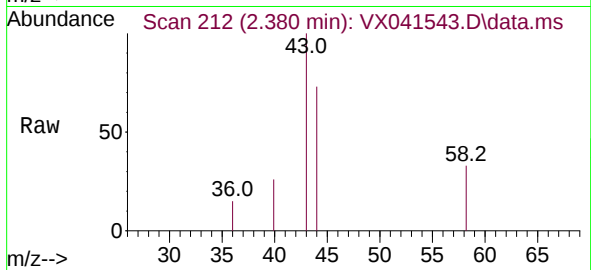




#15
Acetone
Concen: 0.930 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

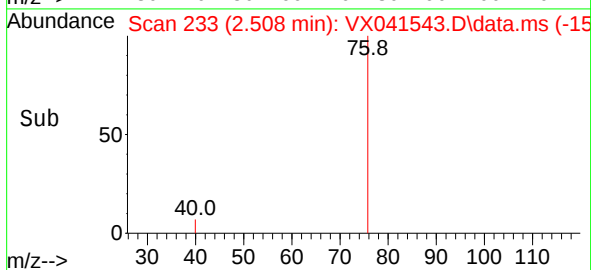
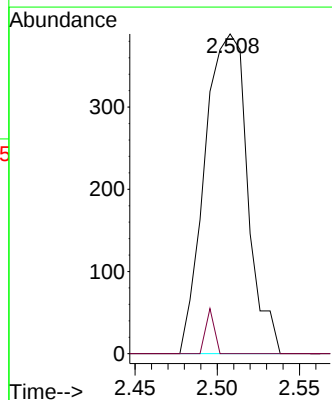
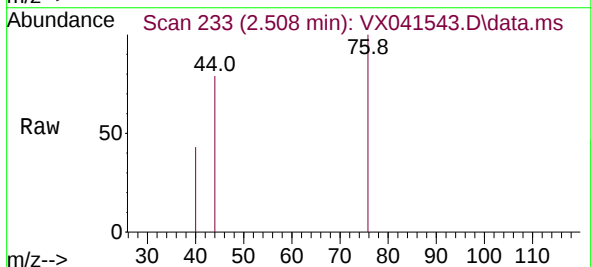
Instrument : MSVOA_X
ClientSampleId : 240502065-04-TRIP-BLANK

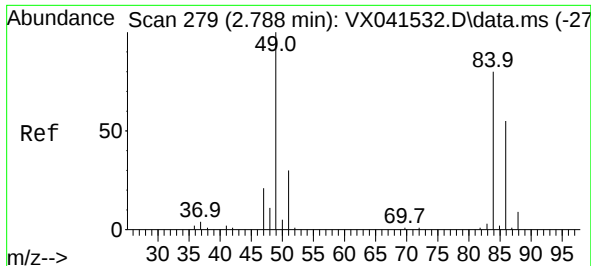
Tgt Ion: 58 Resp: 223
Ion Ratio Lower Upper
58 100
43 221.1 274.0 411.0#



#16
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

Tgt Ion: 76 Resp: 705
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#





#18

Methylene Chloride

Concen: 0.218 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX041543.D

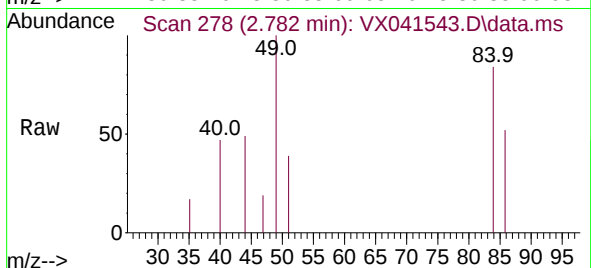
Acq: 15 May 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :

240502065-04-TRIP-BLANK



Tgt Ion: 84 Resp: 350

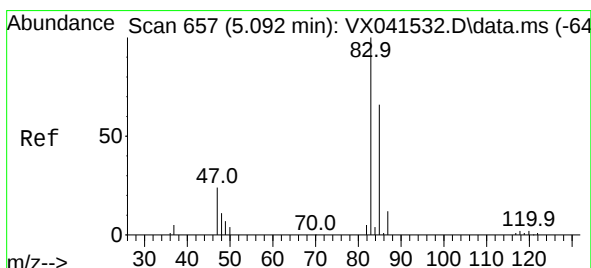
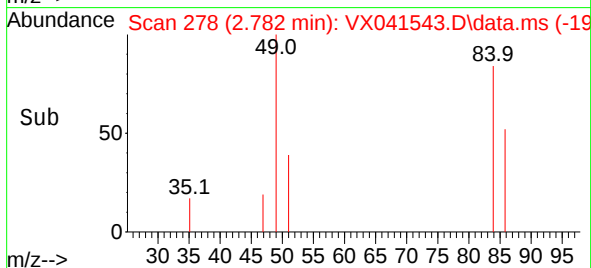
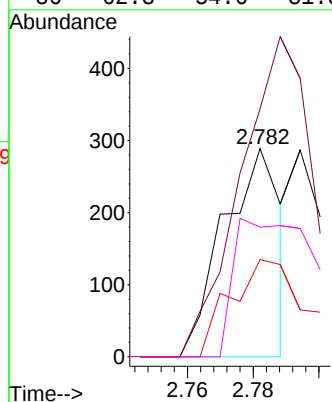
Ion Ratio Lower Upper

84 100

49 119.0 99.8 149.8

51 46.7 30.2 45.4#

86 62.3 54.6 81.8



#25

Chloroform

Concen: 1.864 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041543.D

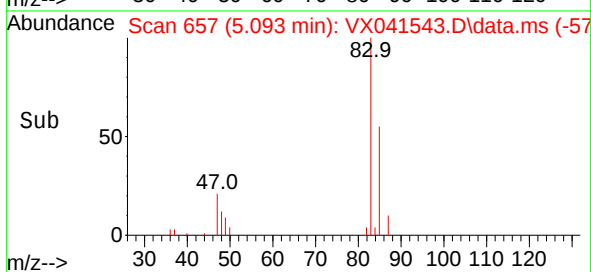
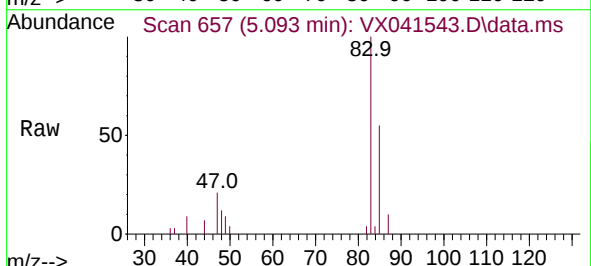
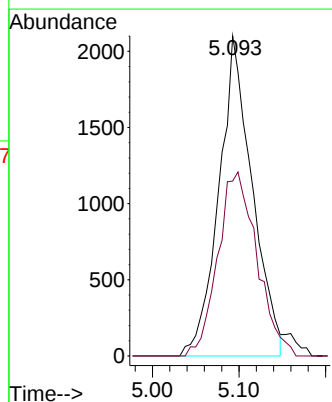
Acq: 15 May 2024 16:43

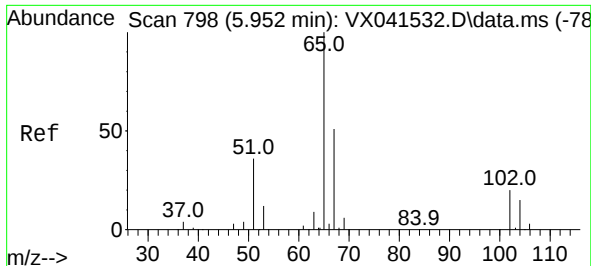
Tgt Ion: 83 Resp: 5619

Ion Ratio Lower Upper

83 100

85 54.6 52.9 79.3

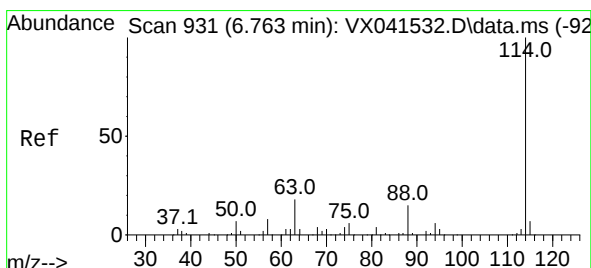
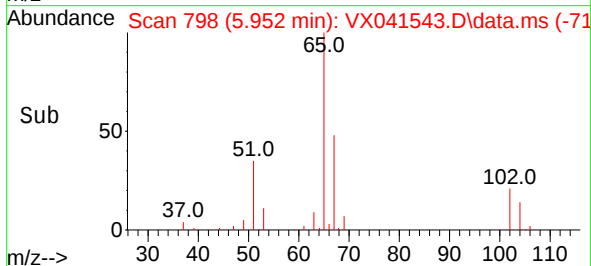
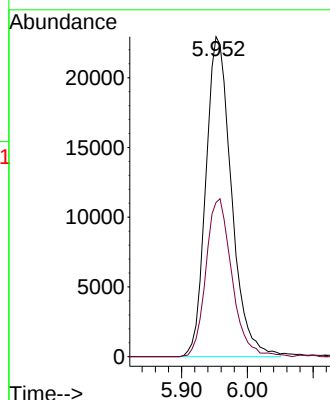
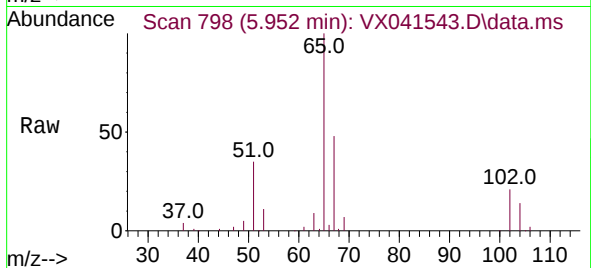




#27
 1,2-Dichloroethane-d4
 Concen: 29.878 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041543.D
 Acq: 15 May 2024 16:43

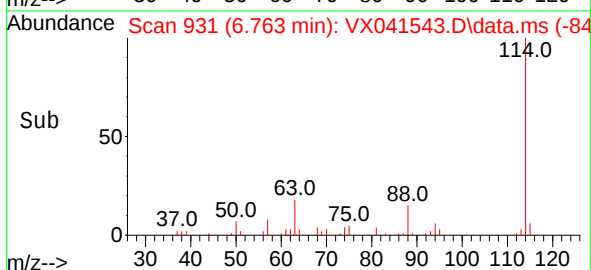
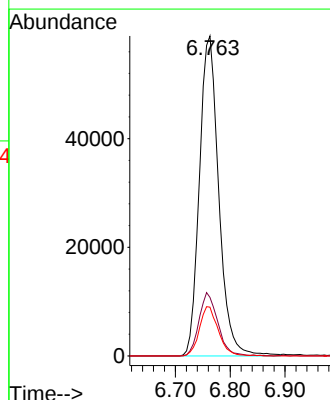
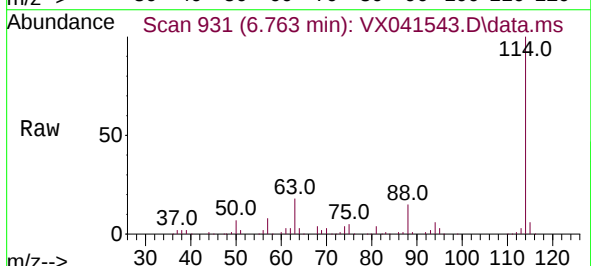
Instrument :
 MSVOA_X
 ClientSampleId :
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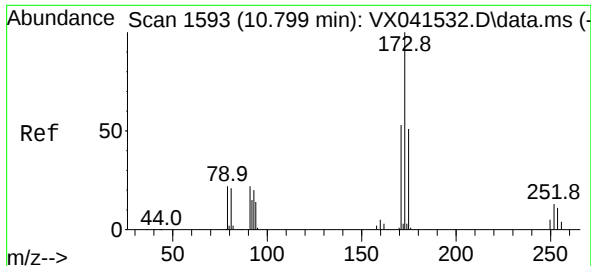
Tgt Ion: 65 Resp: 62170
 Ion Ratio Lower Upper
 65 100
 67 49.5 40.8 61.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX041543.D
 Acq: 15 May 2024 16:43

Tgt Ion: 114 Resp: 144747
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.4 23.0
 88 15.0 12.2 18.2

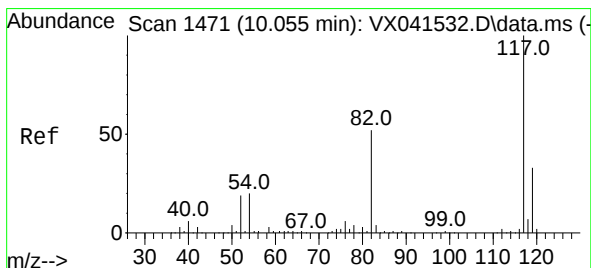
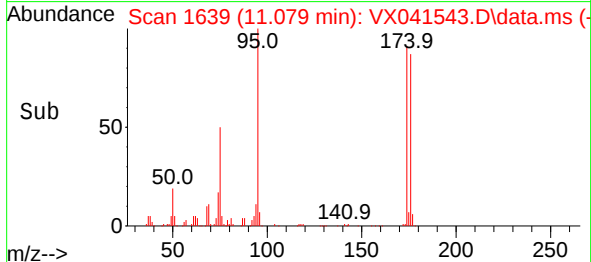
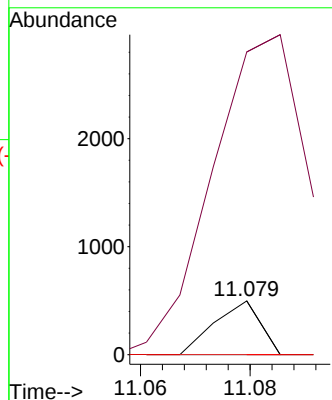
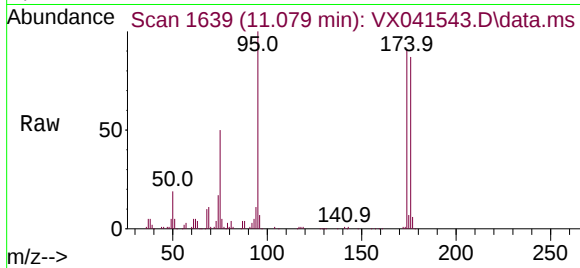




#56
Bromoform
Concen: 0.203 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

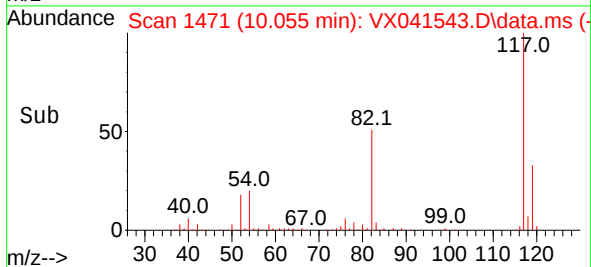
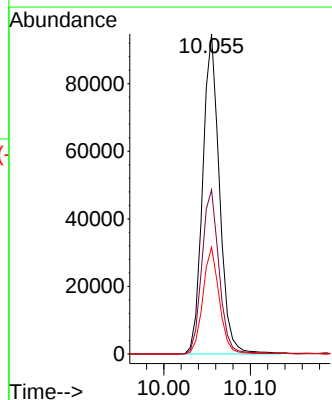
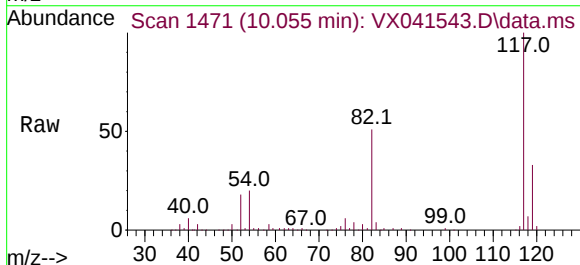
Instrument :
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ClientSampleId :
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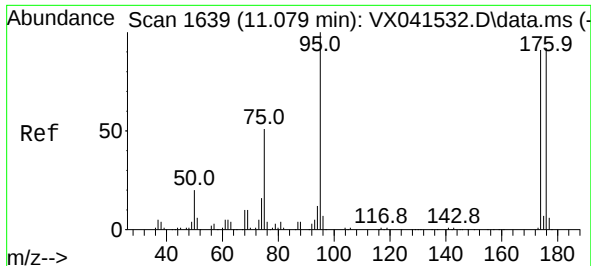
Tgt Ion:173 Resp: 290
Ion Ratio Lower Upper
173 100
175 1333.8 39.0 58.6#
254 0.0 10.3 15.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041543.D
Acq: 15 May 2024 16:43

Tgt Ion:117 Resp: 127503
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.6 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 27.178 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041543.D

Acq: 15 May 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :

240502065-04-TRIP-BLANK

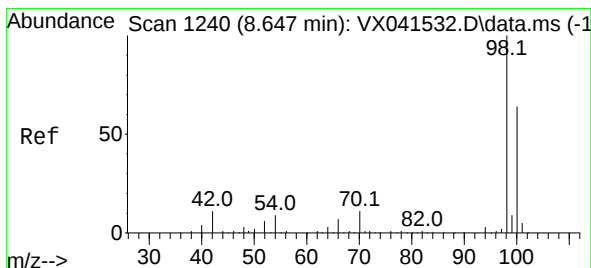
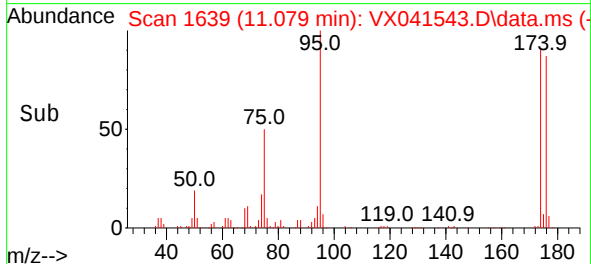
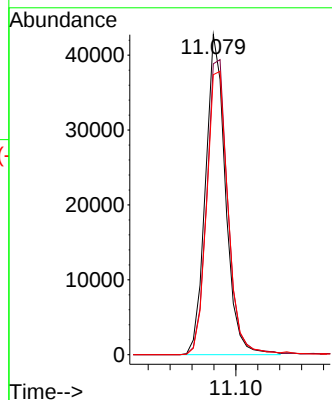
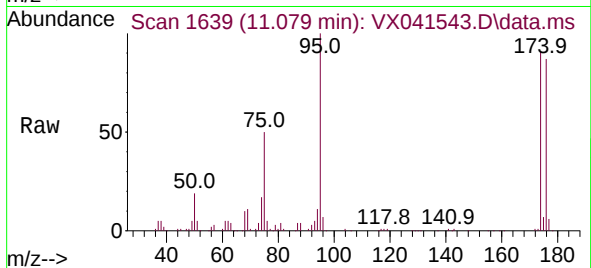
Tgt Ion: 95 Resp: 54096

Ion Ratio Lower Upper

95 100

174 97.3 76.6 115.0

176 94.8 75.4 113.0



#63

Toluene-d8

Concen: 30.111 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041543.D

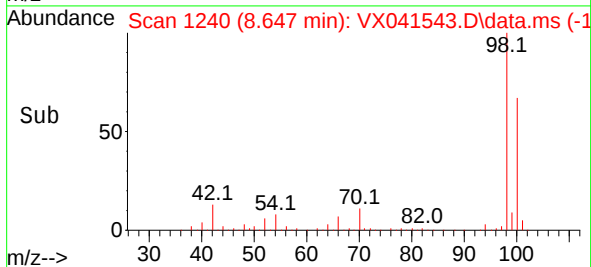
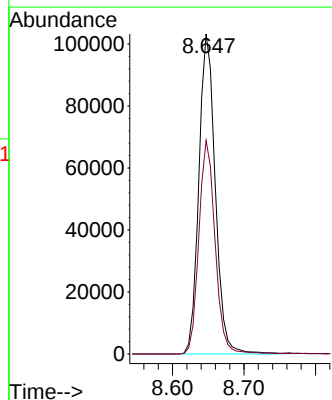
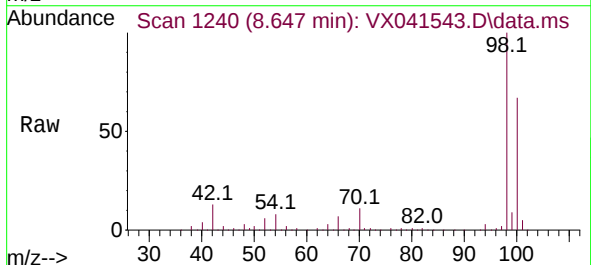
Acq: 15 May 2024 16:43

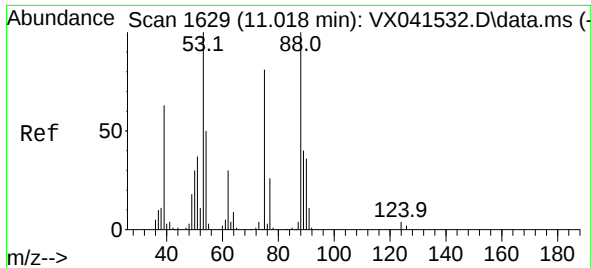
Tgt Ion: 98 Resp: 164573

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7





#77

t-1,4-Dichloro-2-butene

Concen: 40.861 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX041543.D

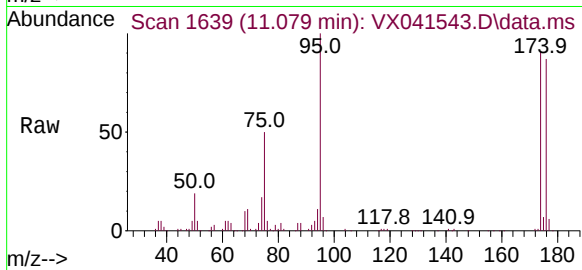
Acq: 15 May 2024 16:43

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion: 75 Resp: 27880

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

