

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041566.D
 Acq On : 16 May 2024 16:15
 Operator : JC/MD
 Sample : P2510-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:41:05 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)

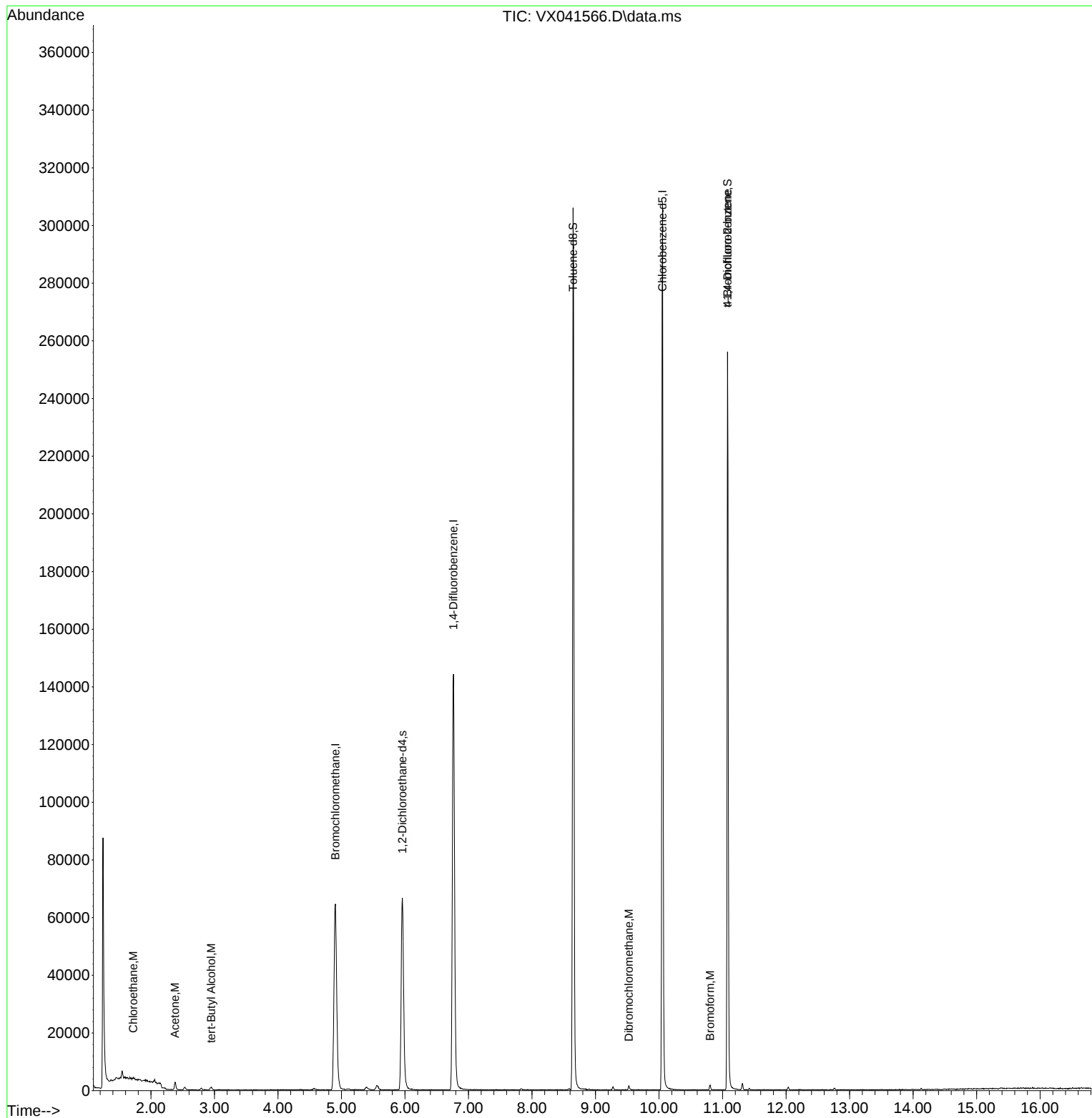
Internal Standards						
1) Bromochloromethane	4.904	128	29437	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	154442	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	143424	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	66940	28.877	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.267%		
60) 4-Bromofluorobenzene	11.079	95	62844	28.068	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.567%		
63) Toluene-d8	8.647	98	180283	29.324	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.733%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.721	64	259	0.289	ug/l #	53
15) Acetone	2.380	58	758	2.837	ug/l	92
23) tert-Butyl Alcohol	2.947	59	626	1.479	ug/l #	100
53) Dibromochloromethane	9.525	129	826	0.435	ug/l	98
56) Bromoform	10.805	173	698	0.459	ug/l #	82
77) t-1,4-Dichloro-2-butene	11.079	75	31619	41.196	ug/l #	1

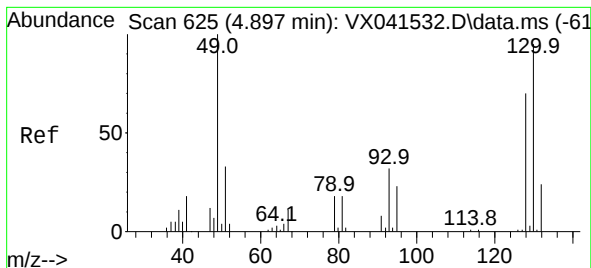
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 17 02:41:05 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: 4.904 min Scan# 61

Delta R.T. 0.007 min

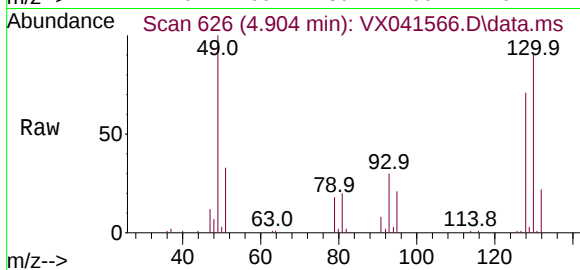
Lab File: VX041566.D

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MSVOA_X

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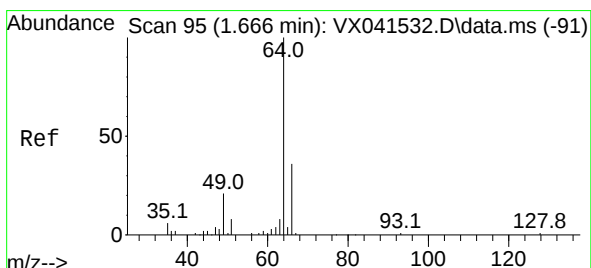
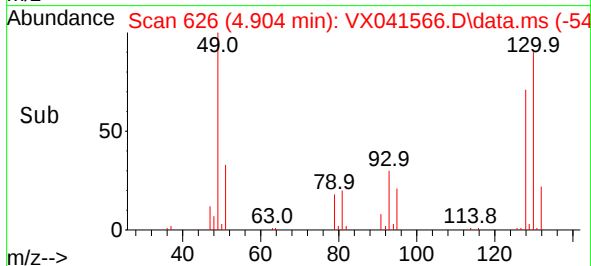
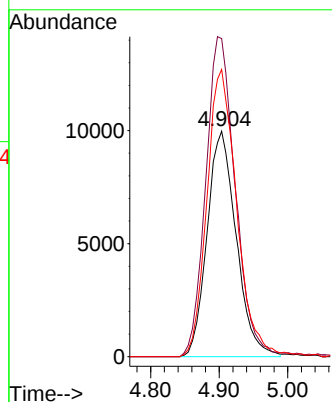
Tgt Ion:128 Resp: 29437

Ion Ratio Lower Upper

128 100

49 144.1 0.0 361.5

130 130.3 0.0 324.3



#6

Chloroethane

Concen: 0.289 ug/l

RT: 1.721 min Scan# 104

Delta R.T. 0.055 min

Lab File: VX041566.D

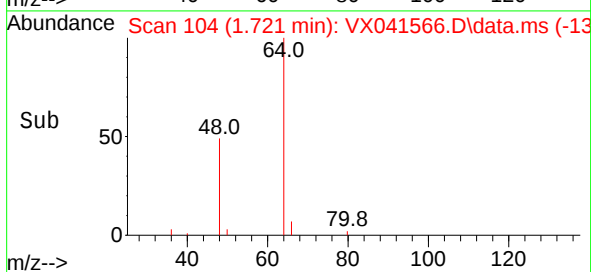
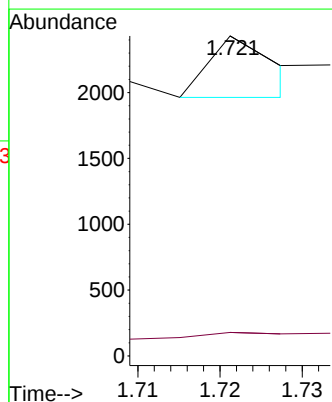
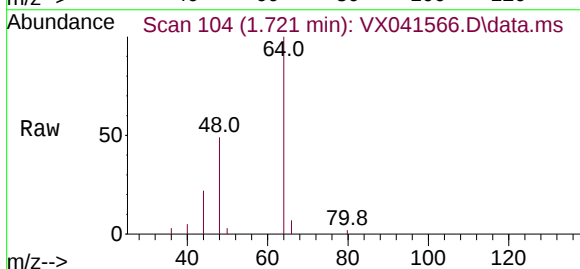
Acq: 16 May 2024 16:15

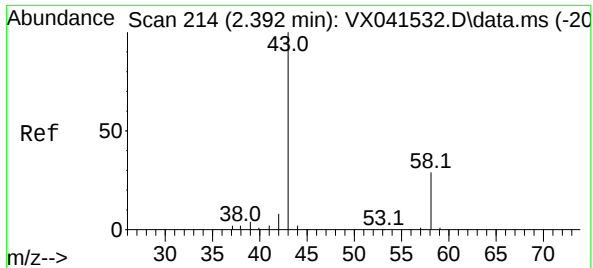
Tgt Ion: 64 Resp: 259

Ion Ratio Lower Upper

64 100

66 8.4 28.6 42.8#

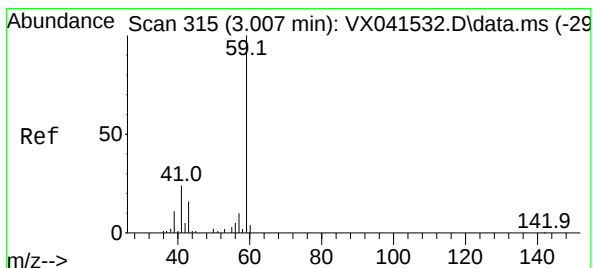
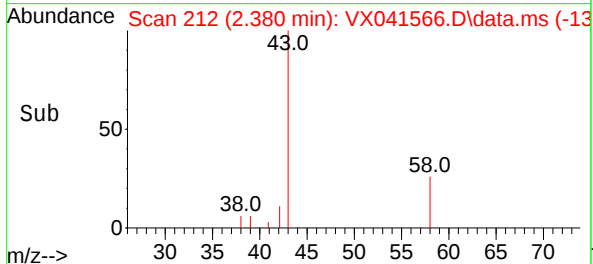
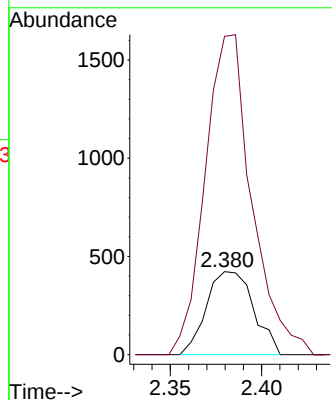
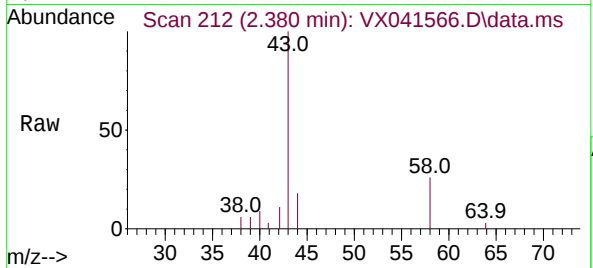




#15
Acetone
Concen: 2.837 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX041566.D
Acq: 16 May 2024 16:15

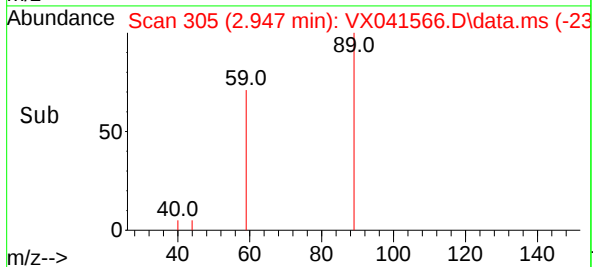
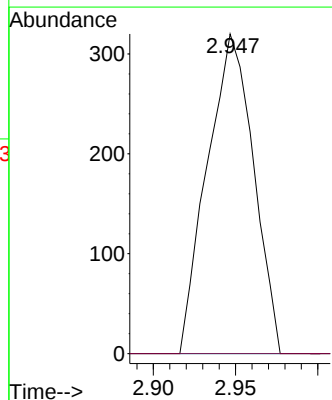
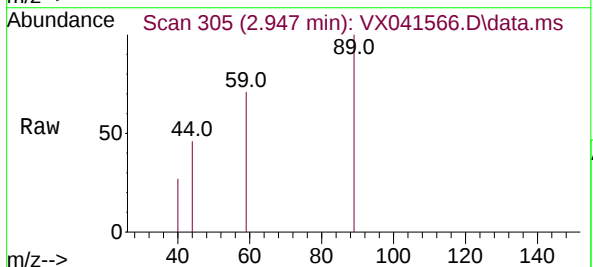
Instrument :
MSVOA_X
ClientSampleId :

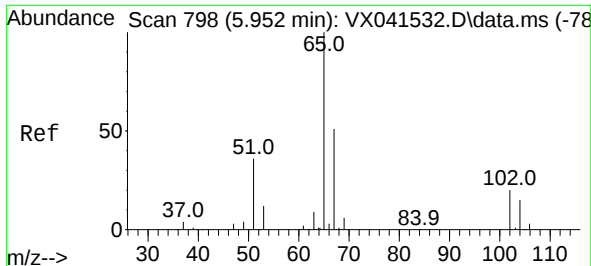
Tgt Ion: 58 Resp: 758
Ion Ratio Lower Upper
58 100
43 360.5 274.0 411.0



#23
tert-Butyl Alcohol
Concen: 1.479 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041566.D
Acq: 16 May 2024 16:15

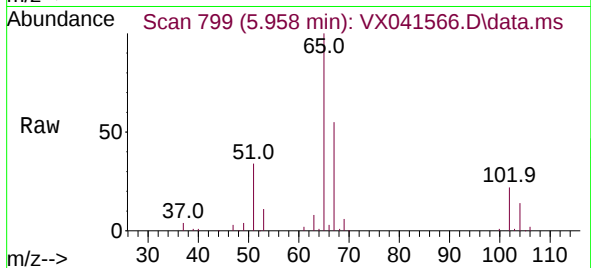
Tgt Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



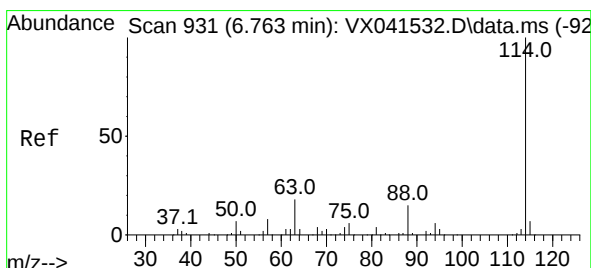
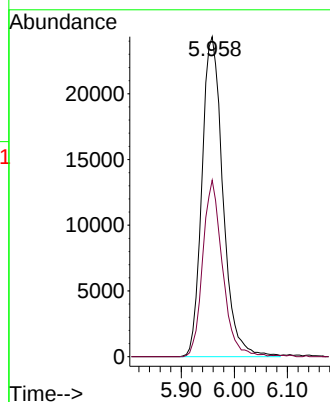
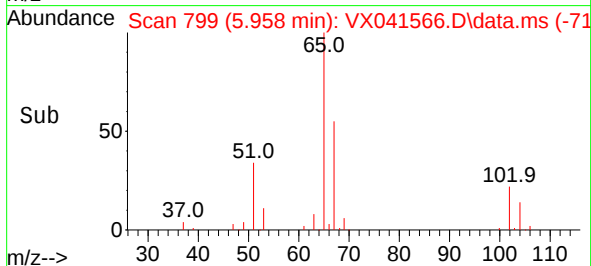


#27
 1,2-Dichloroethane-d4
 Concen: 28.877 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX041566.D
 Acq: 16 May 2024 16:15

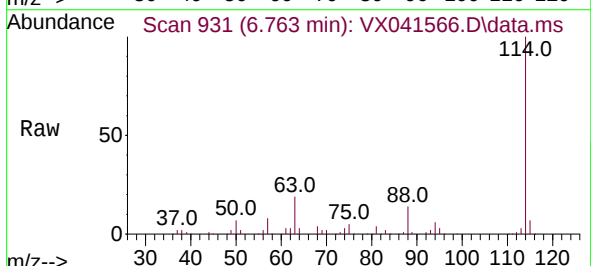
Instrument :
 MSVOA_X
 ClientSampleId :



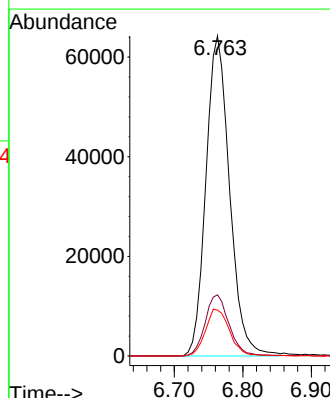
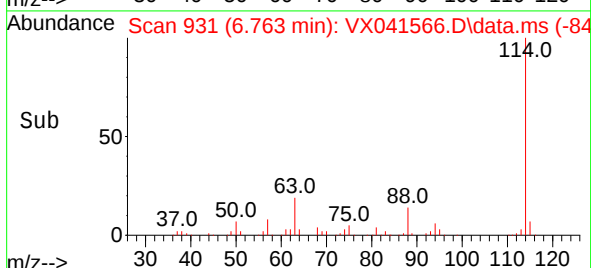
Tgt Ion: 65 Resp: 66940
 Ion Ratio Lower Upper
 65 100
 67 51.7 40.8 61.2

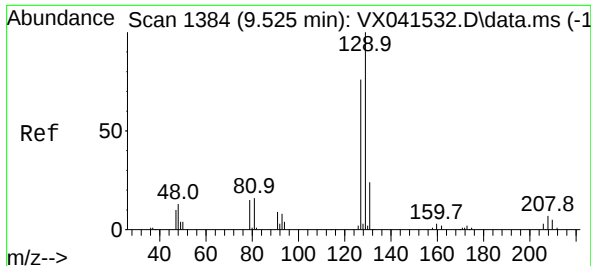


#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX041566.D
 Acq: 16 May 2024 16:15



Tgt Ion: 114 Resp: 154442
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.4 23.0
 88 14.9 12.2 18.2





#53

Dibromochloromethane

Concen: 0.435 ug/l

RT: 9.525 min Scan# 14

Delta R.T. 0.000 min

Lab File: VX041566.D

Acq: 16 May 2024 16:15

Instrument :

MSVOA_X

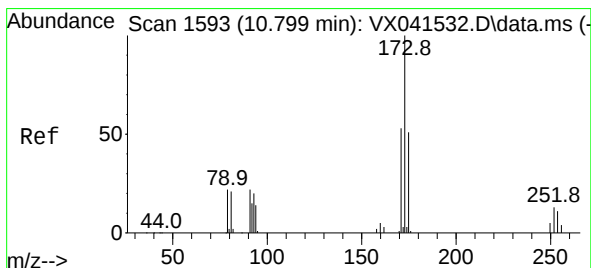
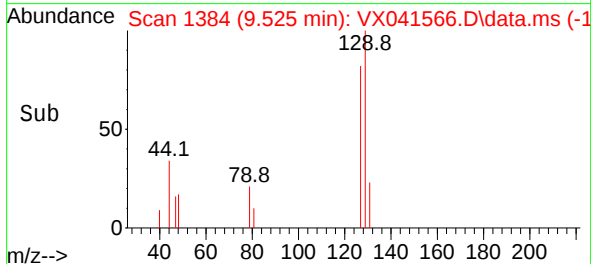
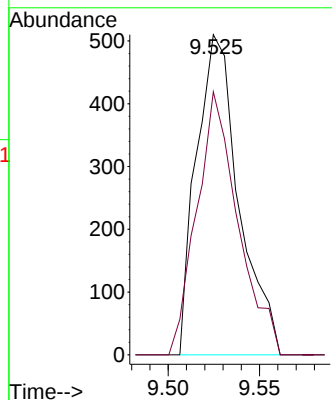
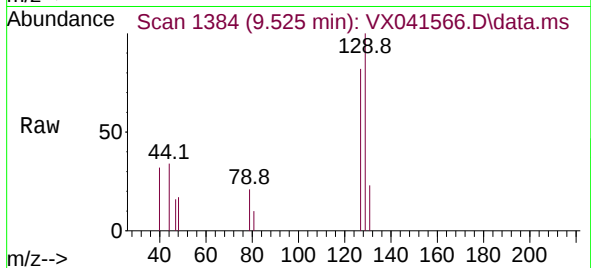
ClientSampleId :

Tgt Ion:129 Resp: 826

Ion Ratio Lower Upper

129 100

127 79.8 38.9 116.7



#56

Bromoform

Concen: 0.459 ug/l

RT: 10.805 min Scan# 1594

Delta R.T. 0.006 min

Lab File: VX041566.D

Acq: 16 May 2024 16:15

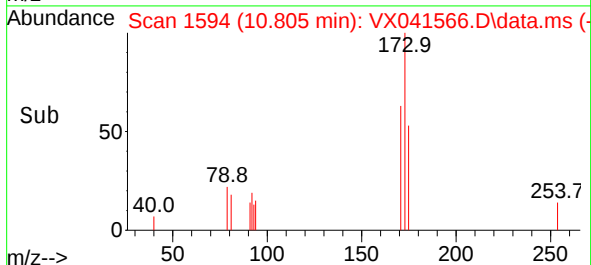
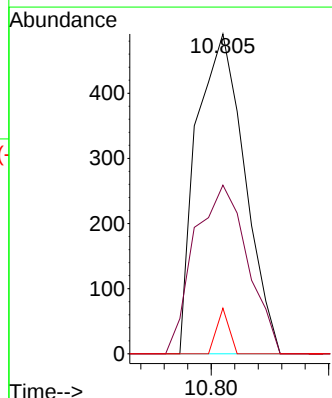
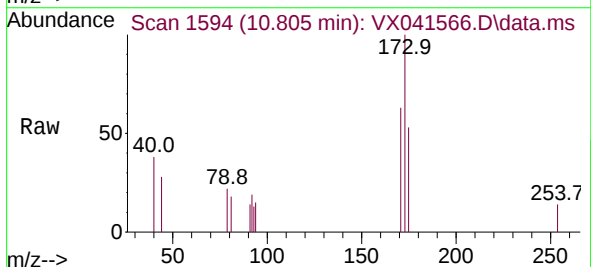
Tgt Ion:173 Resp: 698

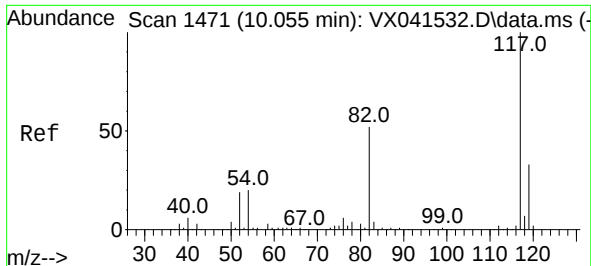
Ion Ratio Lower Upper

173 100

175 58.3 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: VX041566.D

Acq: 16 May 2024 16:15

Instrument :

MSVOA_X

ClientSampleId :

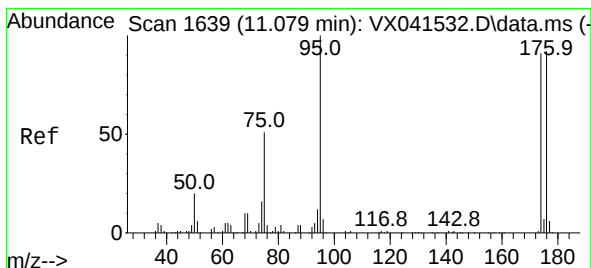
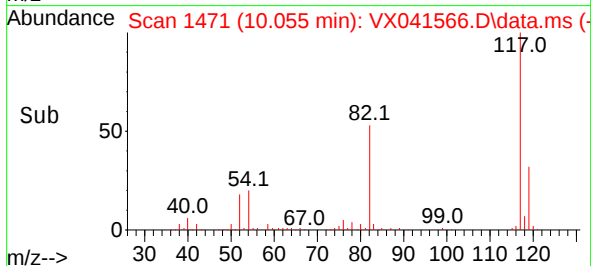
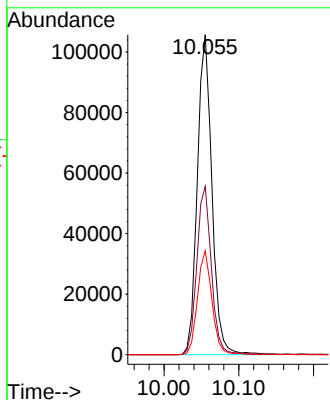
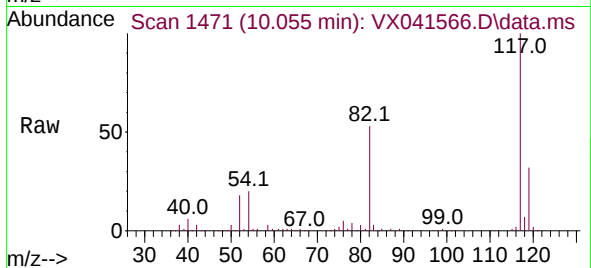
Tgt Ion:117 Resp: 143424

Ion Ratio Lower Upper

117 100

82 52.6 41.7 62.5

119 32.1 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 28.068 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041566.D

Acq: 16 May 2024 16:15

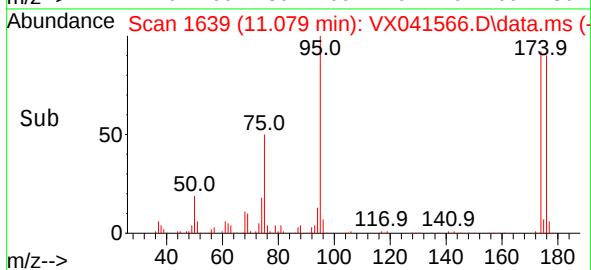
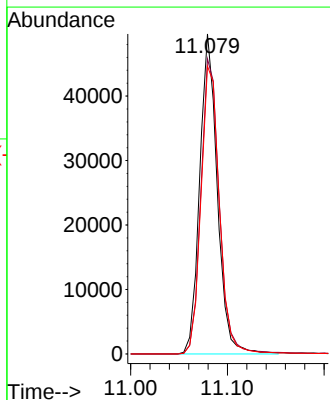
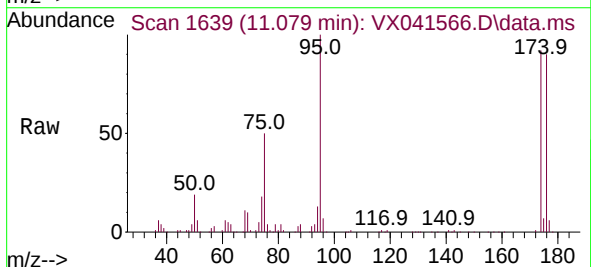
Tgt Ion: 95 Resp: 62844

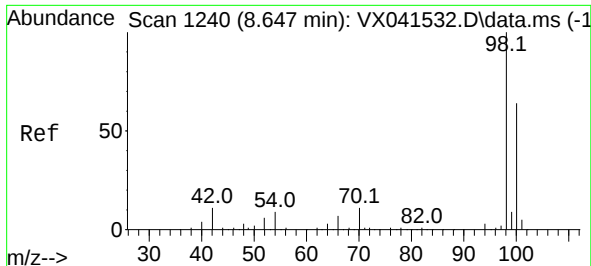
Ion Ratio Lower Upper

95 100

174 96.7 76.6 115.0

176 94.7 75.4 113.0

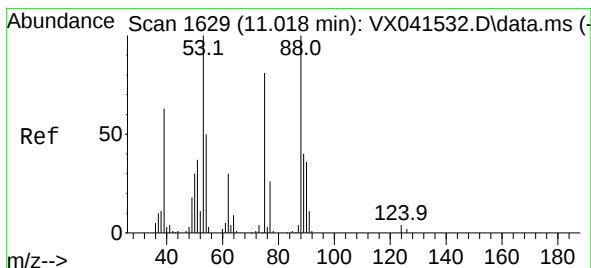
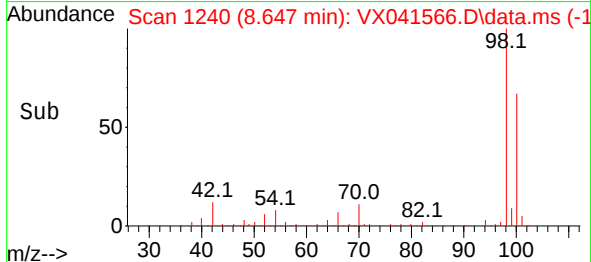
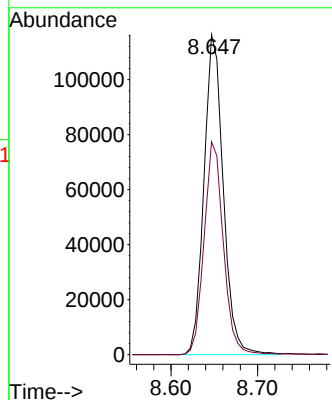
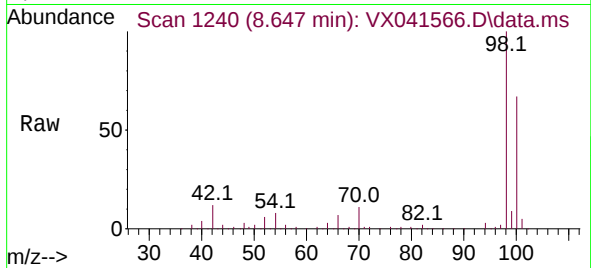




#63
Toluene-d8
Concen: 29.324 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041566.D
Acq: 16 May 2024 16:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 180283
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.196 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041566.D
Acq: 16 May 2024 16:15

Tgt Ion: 75 Resp: 31619
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

