

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041572.D
 Acq On : 16 May 2024 18:33
 Operator : JC/MD
 Sample : P2517-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:43:05 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)

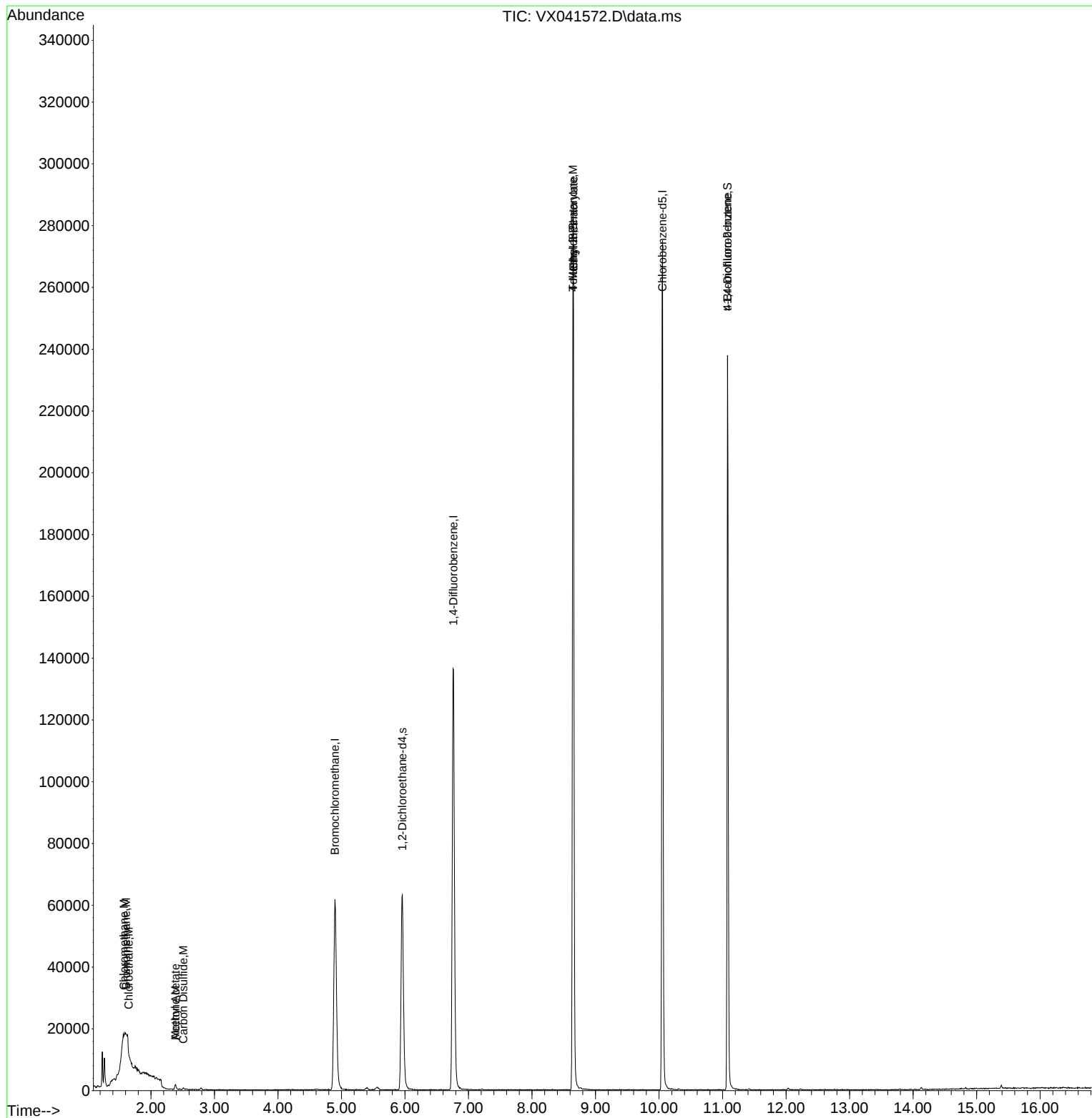
Internal Standards						
1) Bromochloromethane	4.897	128	27743	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147061	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	135095	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63432	29.034	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.767%
60) 4-Bromofluorobenzene	11.079	95	58018	27.511	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.700%
63) Toluene-d8	8.647	98	170854	29.503	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.333%
Target Compounds						
					Qvalue	
3) Chloromethane	1.575	50	336	0.211	ug/l	97
5) Bromomethane	1.605	94	219	0.206	ug/l #	3
6) Chloroethane	1.648	64	6509	7.695	ug/l #	44
12) Methyl Acetate	2.386	43	1705	0.798	ug/l #	50
15) Acetone	2.386	58	478	1.898	ug/l	96
16) Carbon Disulfide	2.508	76	756	0.236	ug/l #	74
51) Ethyl methacrylate	8.653	69	553	0.216	ug/l	94
58) 4-Methyl-2-Pentanone	8.647	43	733	0.297	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29875	41.324	ug/l #	1

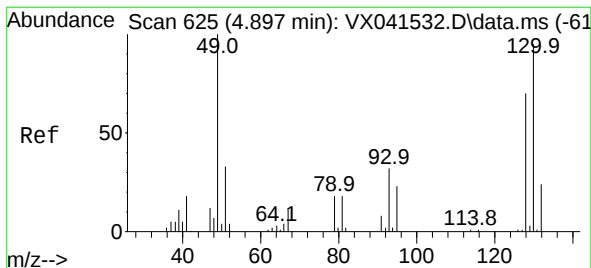
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
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QLast Update : Thu May 16 05:13:13 2024
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

Instrument :

MSVOA_X

ClientSampleId :

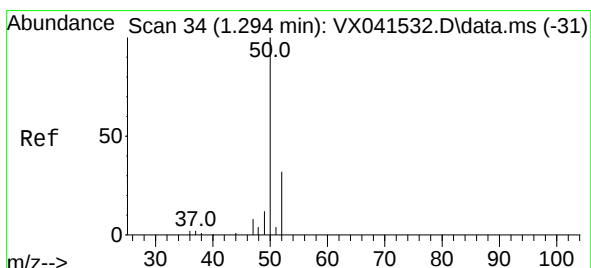
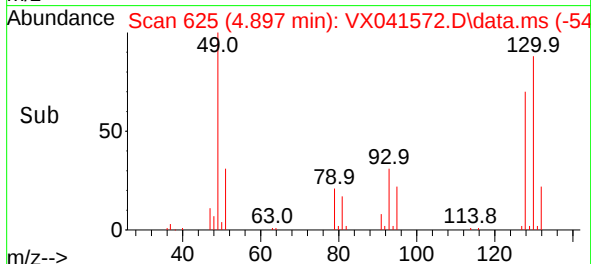
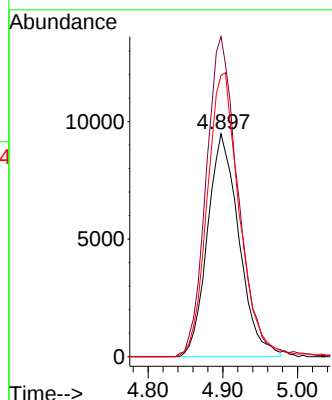
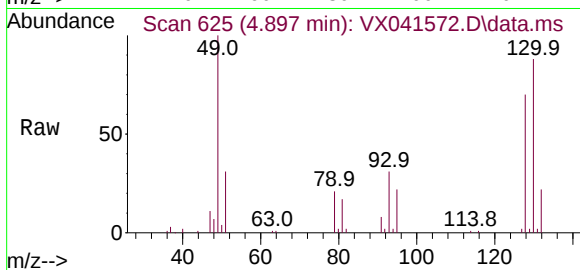
Tgt Ion:128 Resp: 27743

Ion Ratio Lower Upper

128 100

49 144.9 0.0 361.5

130 130.9 0.0 324.3



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.575 min Scan# 80

Delta R.T. 0.280 min

Lab File: VX041572.D

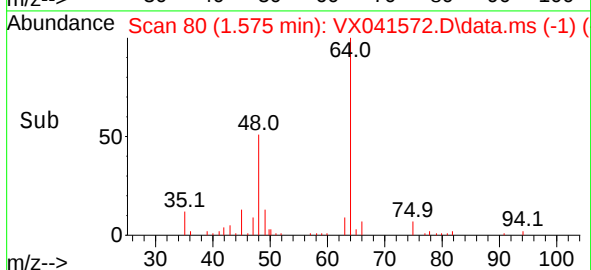
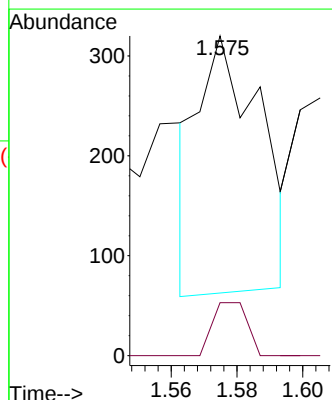
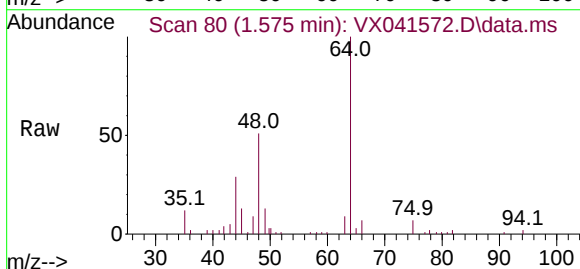
Acq: 16 May 2024 18:33

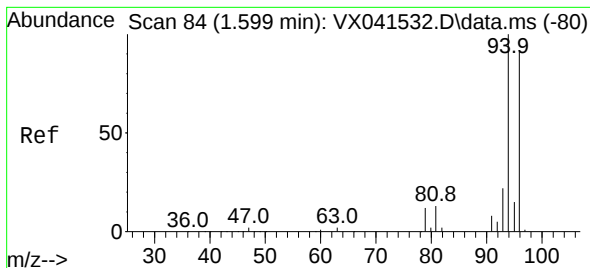
Tgt Ion: 50 Resp: 336

Ion Ratio Lower Upper

50 100

52 34.0 25.8 38.8





#5

Bromomethane

Concen: 0.206 ug/l

RT: 1.605 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

Instrument :

MSVOA_X

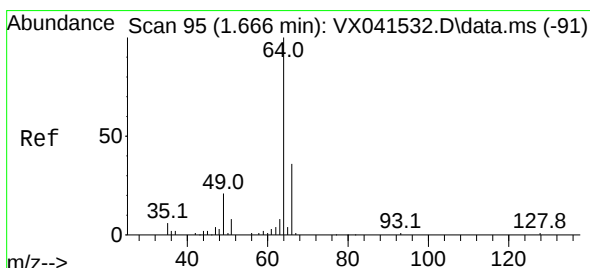
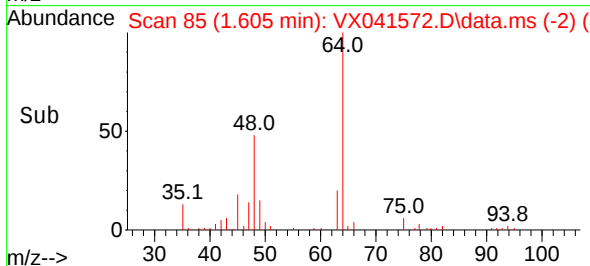
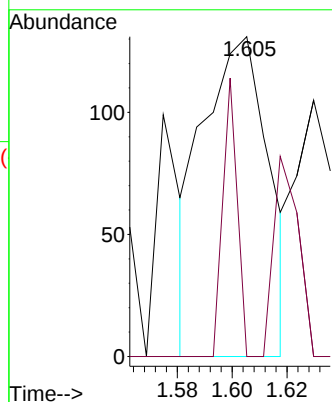
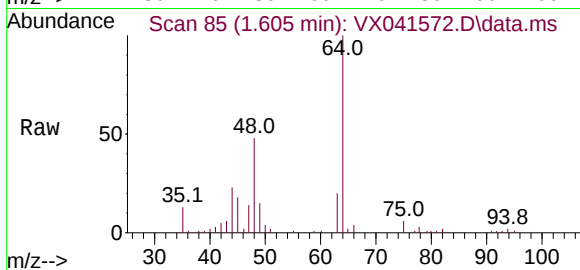
ClientSampleId :

Tgt Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



#6

Chloroethane

Concen: 7.695 ug/l

RT: 1.648 min Scan# 92

Delta R.T. -0.018 min

Lab File: VX041572.D

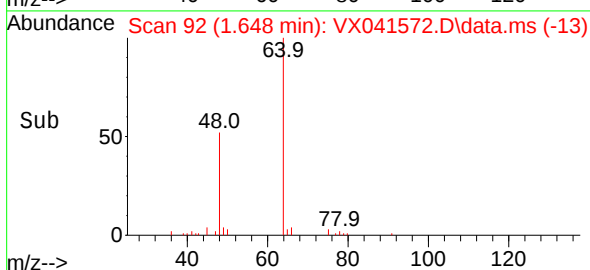
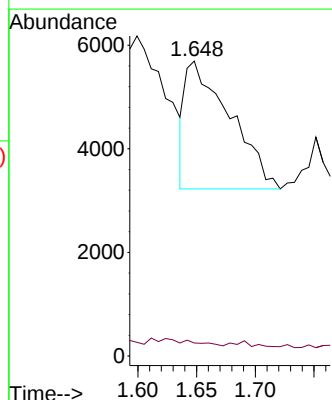
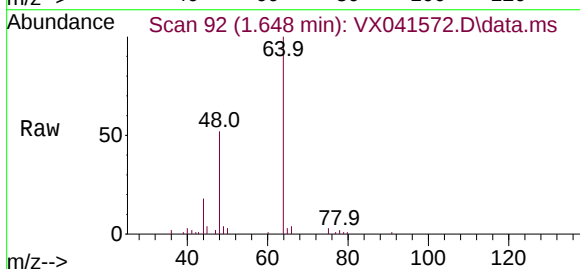
Acq: 16 May 2024 18:33

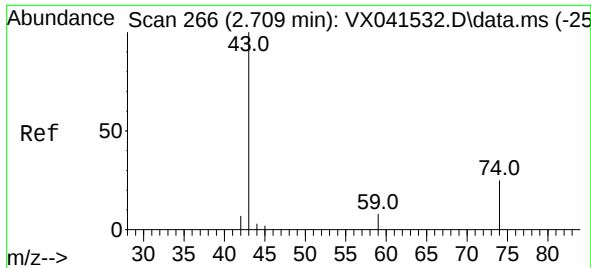
Tgt Ion: 64 Resp: 6509

Ion Ratio Lower Upper

64 100

66 2.9 28.6 42.8#





#12

Methyl Acetate

Concen: 0.798 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.323 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

Instrument :

MSVOA_X

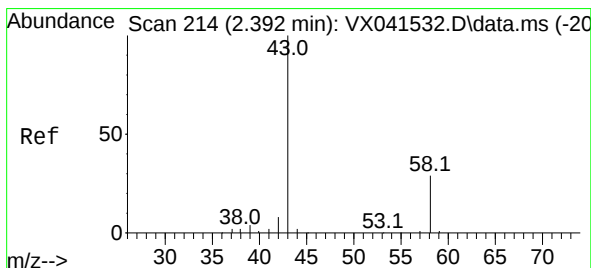
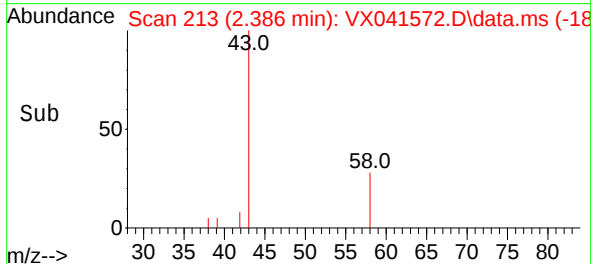
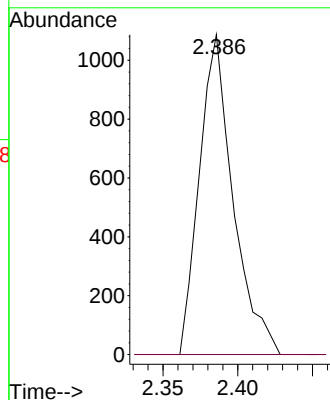
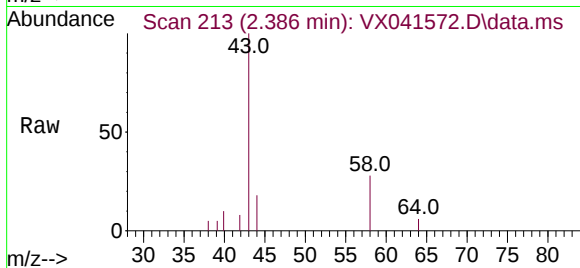
ClientSampleId :

Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

74 0.0 19.9 29.9#



#15

Acetone

Concen: 1.898 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041572.D

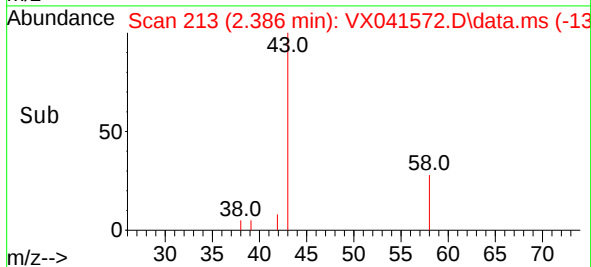
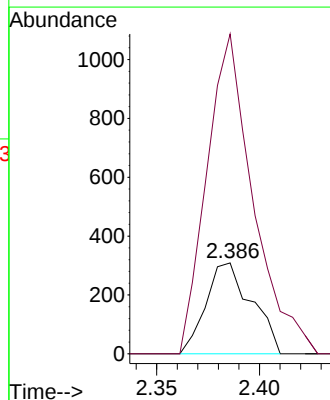
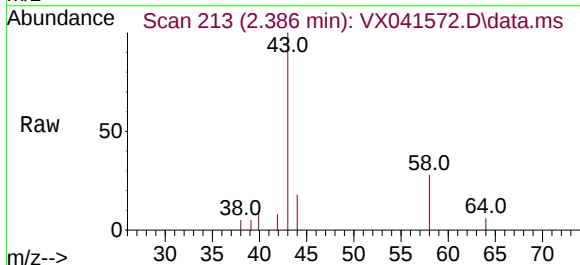
Acq: 16 May 2024 18:33

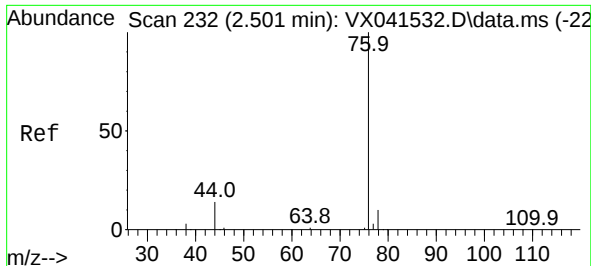
Tgt Ion: 58 Resp: 478

Ion Ratio Lower Upper

58 100

43 351.8 274.0 411.0

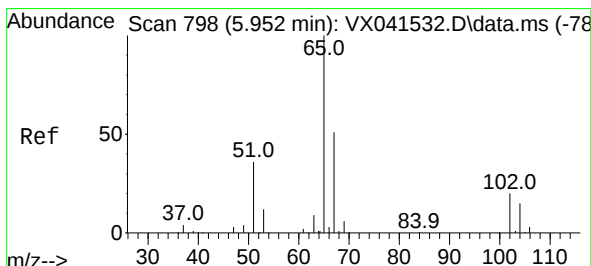
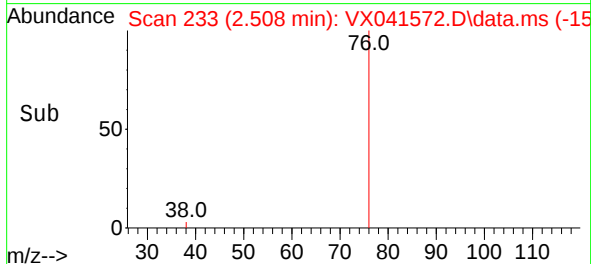
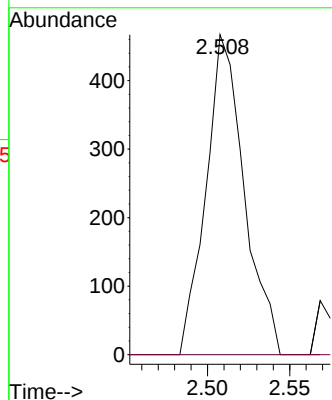
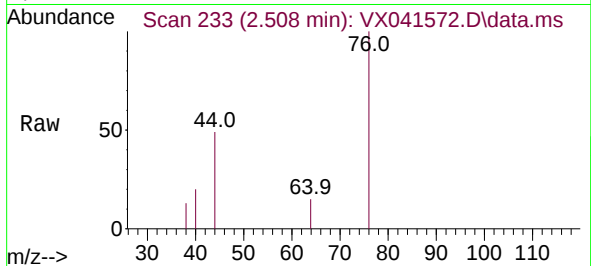




#16
Carbon Disulfide
Concen: 0.236 ug/l
RT: 2.508 min Scan# 24
Delta R.T. 0.006 min
Lab File: VX041572.D
Acq: 16 May 2024 18:33

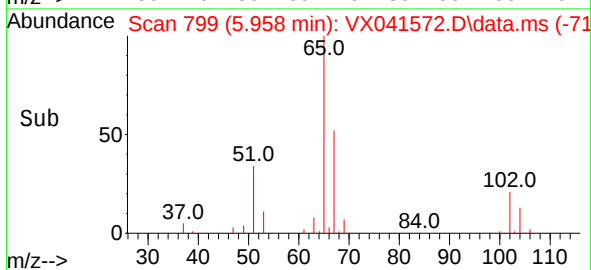
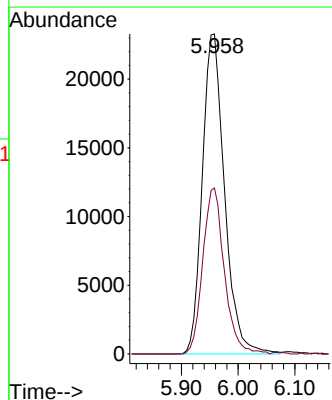
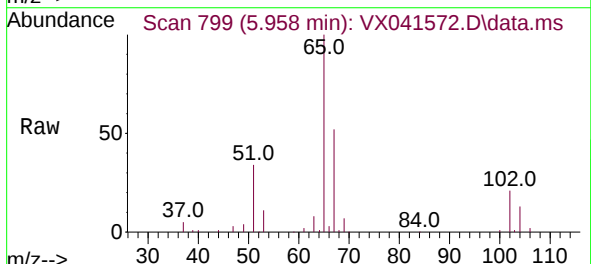
Instrument :
MSVOA_X
ClientSampleId :

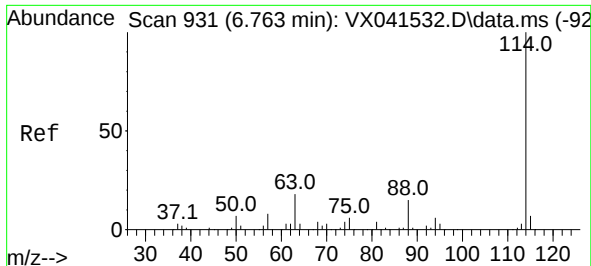
Tgt Ion: 76 Resp: 756
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#27
1,2-Dichloroethane-d4
Concen: 29.034 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041572.D
Acq: 16 May 2024 18:33

Tgt Ion: 65 Resp: 63432
Ion Ratio Lower Upper
65 100
67 49.9 40.8 61.2

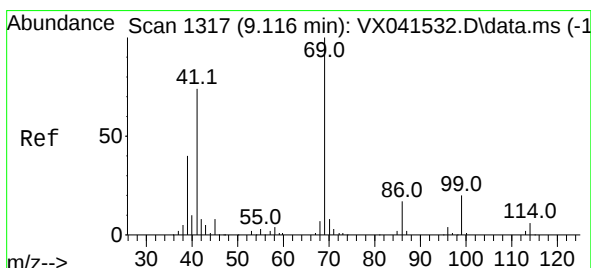
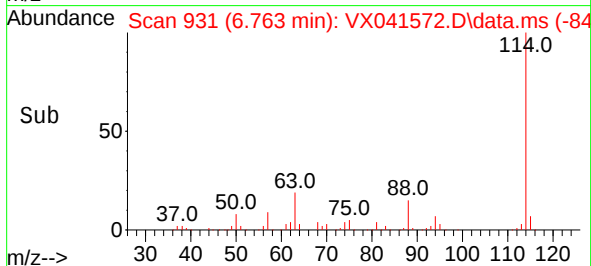
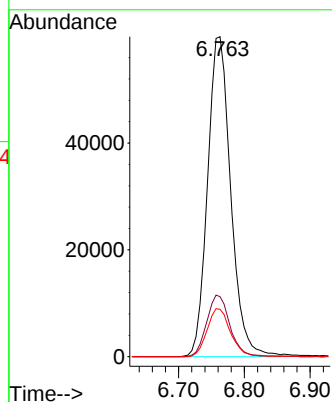
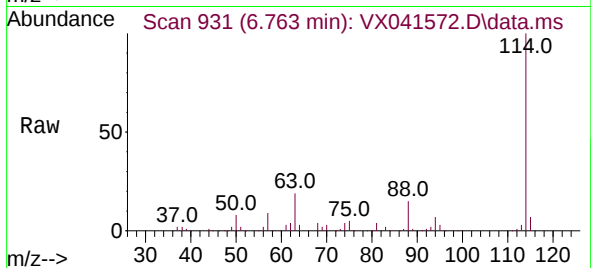




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041572.D
Acq: 16 May 2024 18:33

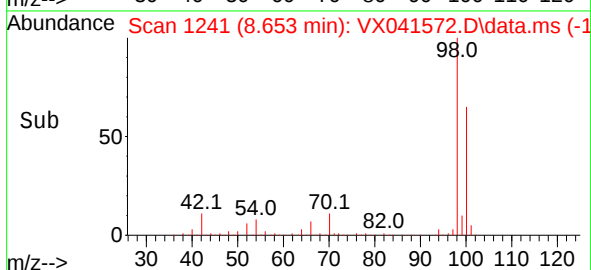
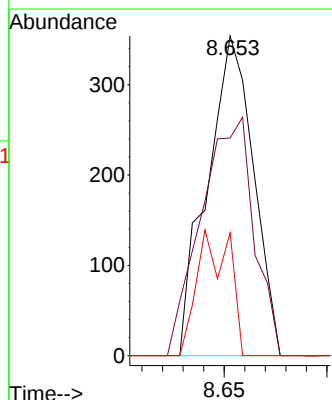
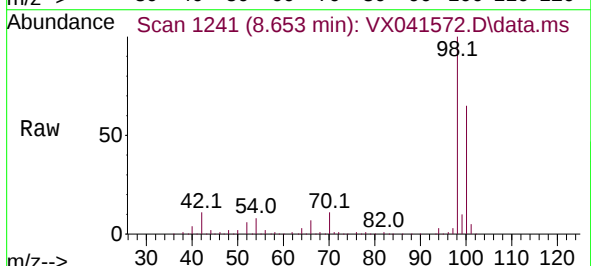
Instrument :
MSVOA_X
ClientSampleId :

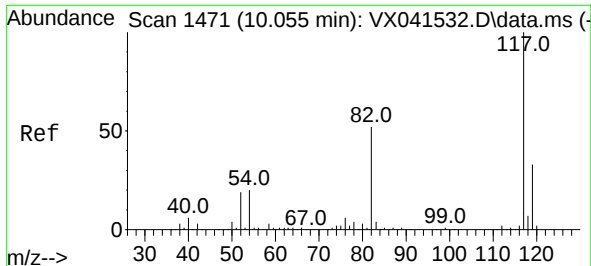
Tgt Ion:114 Resp: 147061
Ion Ratio Lower Upper
114 100
63 19.1 15.4 23.0
88 15.0 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.216 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041572.D
Acq: 16 May 2024 18:33

Tgt Ion: 69 Resp: 553
Ion Ratio Lower Upper
69 100
41 68.1 37.1 111.3
39 38.4 20.2 60.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

Instrument :

MSVOA_X

ClientSampleId :

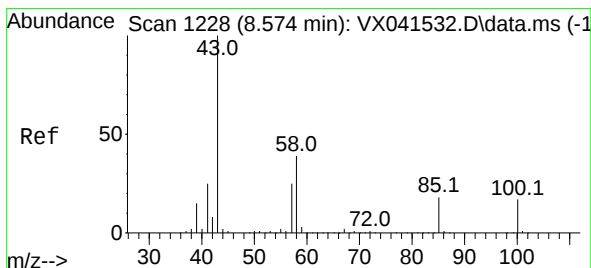
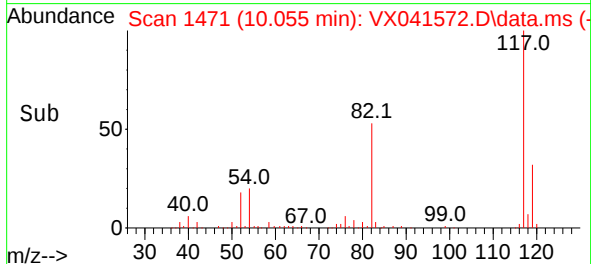
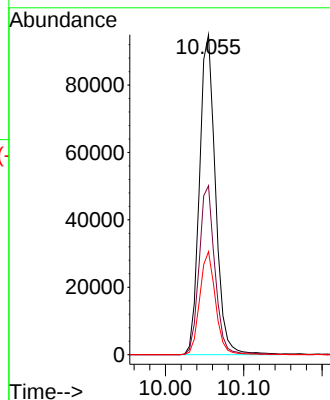
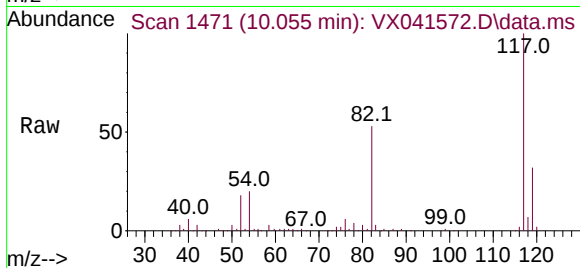
Tgt Ion:117 Resp: 135095

Ion Ratio Lower Upper

117 100

82 51.6 41.7 62.5

119 31.5 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.297 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

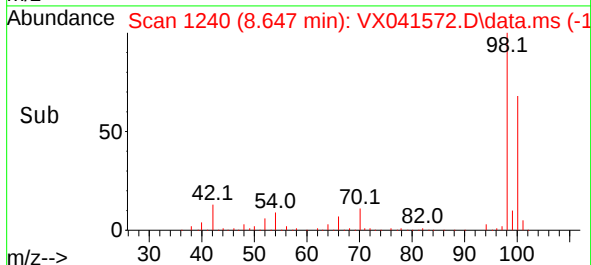
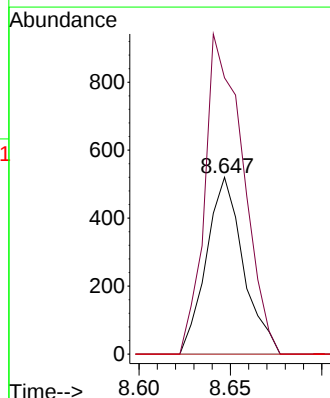
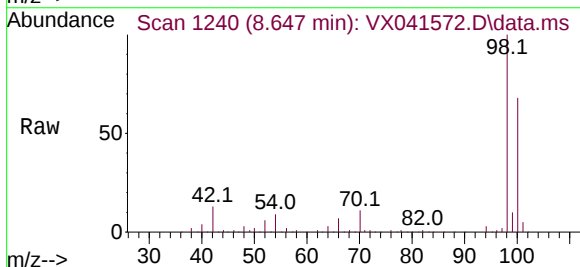
Tgt Ion: 43 Resp: 733

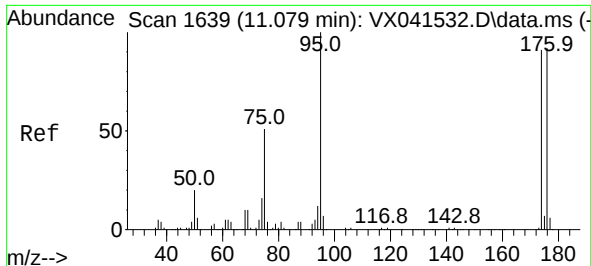
Ion Ratio Lower Upper

43 100

58 186.1 30.2 45.4#

85 0.0 14.6 21.8#





#60

4-Bromofluorobenzene

Concen: 27.511 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041572.D

Acq: 16 May 2024 18:33

Instrument :

MSVOA_X

ClientSampleId :

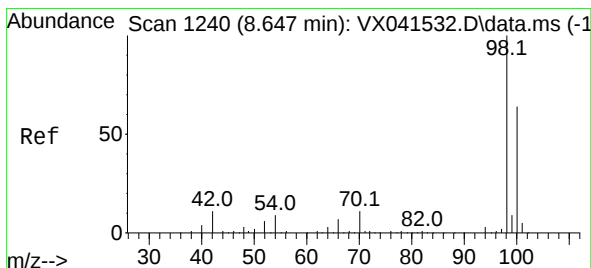
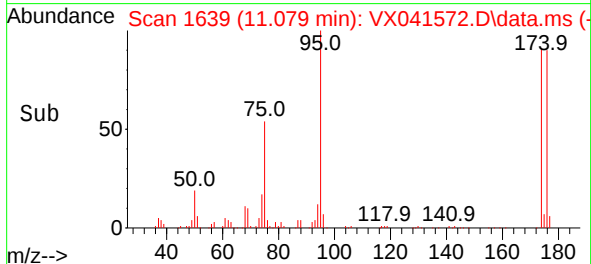
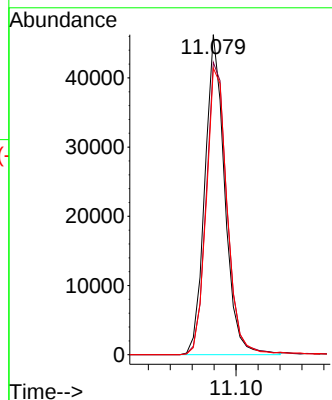
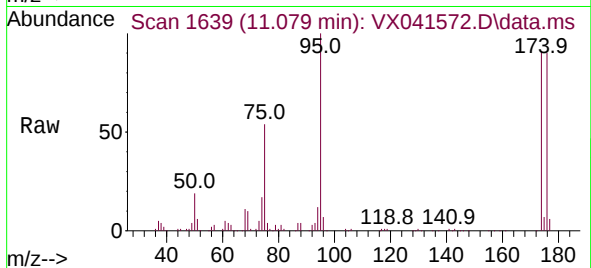
Tgt Ion: 95 Resp: 58018

Ion Ratio Lower Upper

95 100

174 96.1 76.6 115.0

176 94.0 75.4 113.0



#63

Toluene-d8

Concen: 29.503 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041572.D

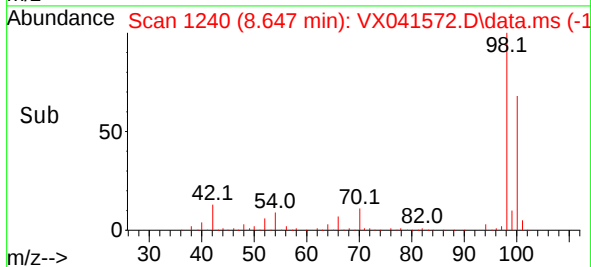
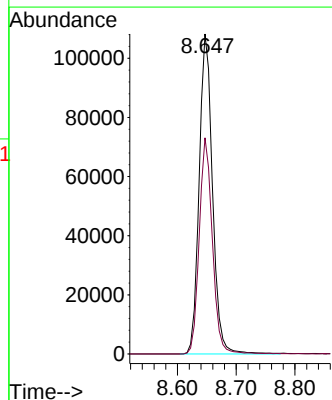
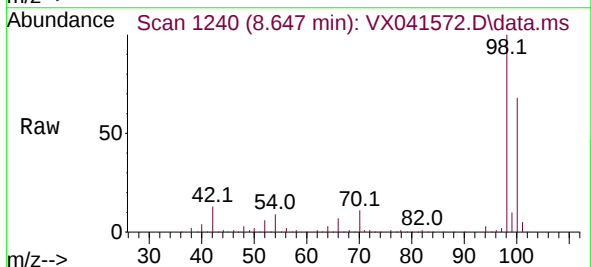
Acq: 16 May 2024 18:33

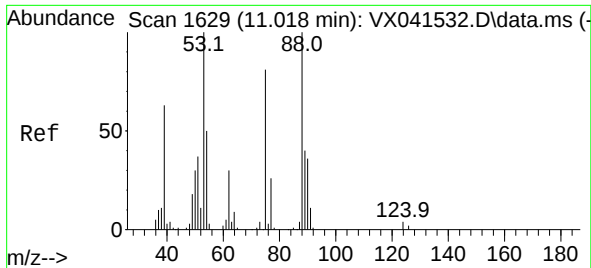
Tgt Ion: 98 Resp: 170854

Ion Ratio Lower Upper

98 100

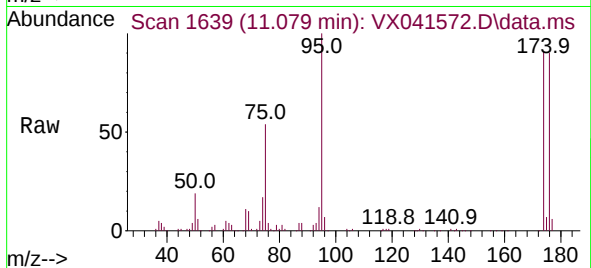
100 66.2 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 41.324 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041572.D
Acq: 16 May 2024 18:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 29875
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

