

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009602.D
 Acq On : 16 May 2019 13:14
 Operator : JC/SP
 Sample : K2880-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 339

Quant Time: May 17 06:37:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100492	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116207	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
35) Dibromofluoromethane	5.50	113	84084	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	343309	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	112132	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

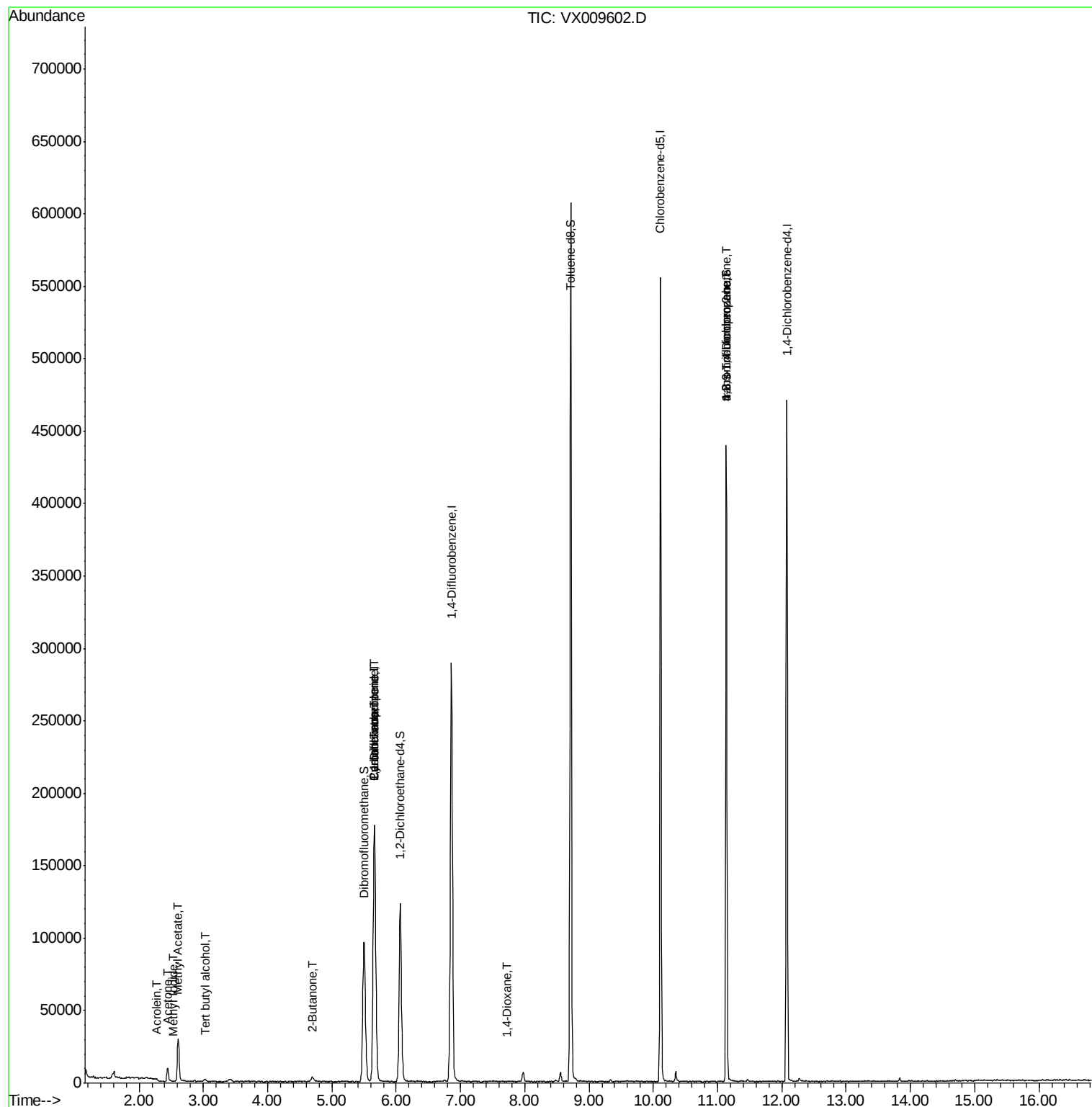
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	84	4.634	ug/l #	42
11) Tert butyl alcohol	3.03	59	1592	2.892	ug/l #	84
13) Acrolein	2.28	56	147	0.295	ug/l #	51
16) Acetone	2.45	43	10503	8.224	ug/l	94
18) Methyl Acetate	2.61	43	8089	2.663	ug/l #	56
25) 2-Butanone	4.69	43	1589	0.801	ug/l #	88
28) Bromochloromethane	5.04	49	45	Below Cal	#	20
31) Cyclohexane	5.66	56	3783	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13487	5.282	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16243	7.002	ug/l #	16
49) 1,4-Dioxane	7.72	88	19	0.332	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	57182	24.531	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57182	62.765	ug/l #	10

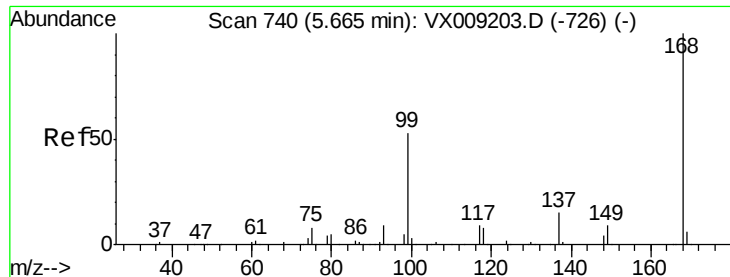
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

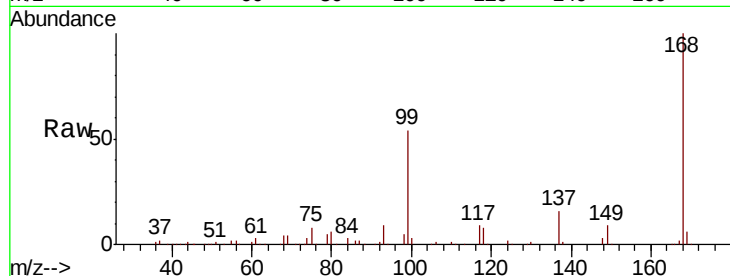
339

Tot Ion:168 Resp: 174234

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

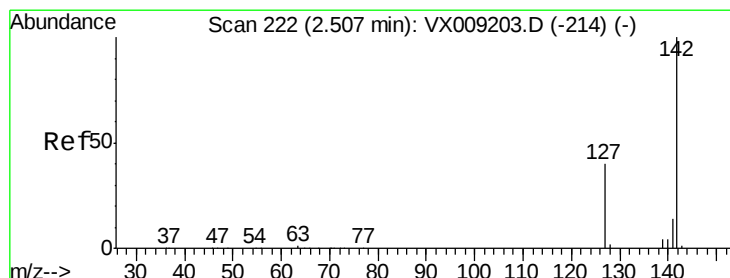
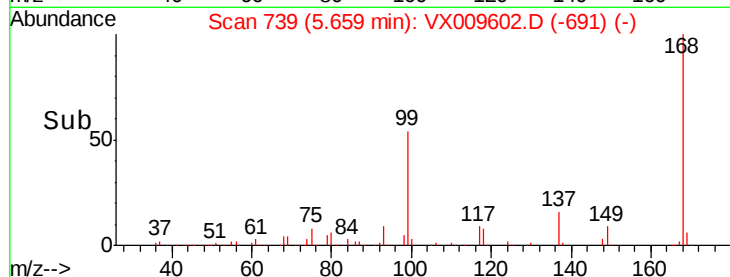
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.634 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

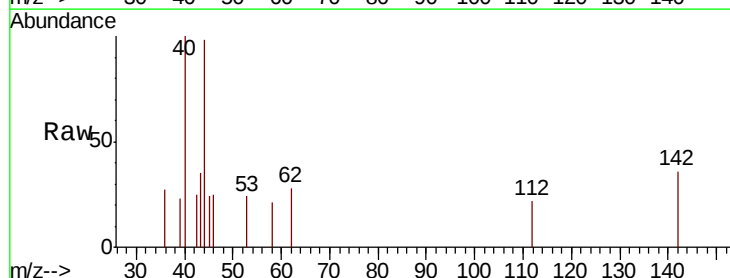
Tgt Ion:142 Resp: 84

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

120

100

80

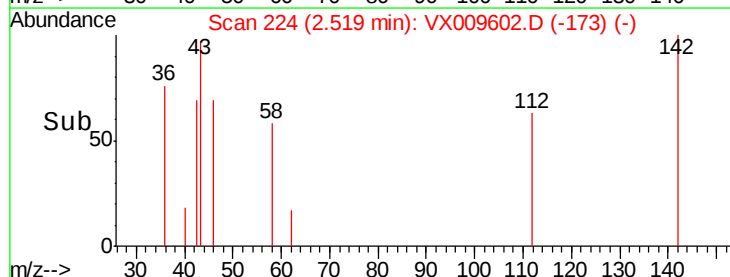
60

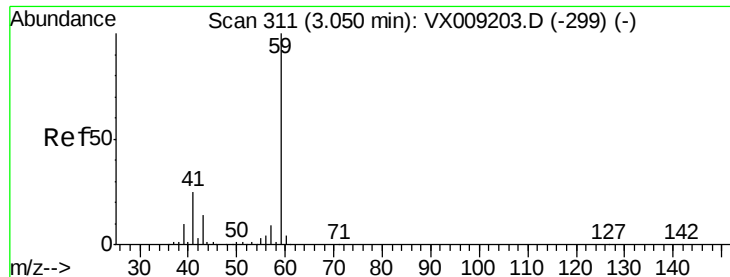
40

20

0

Time--> 2.50 2.52 2.54

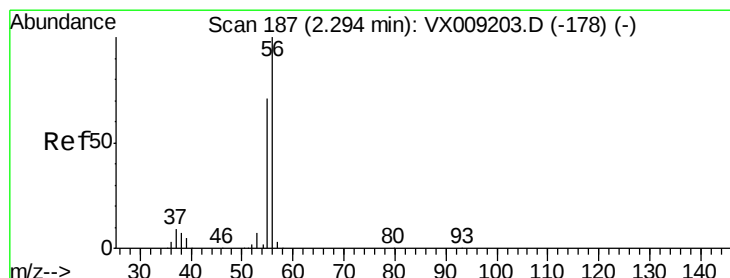
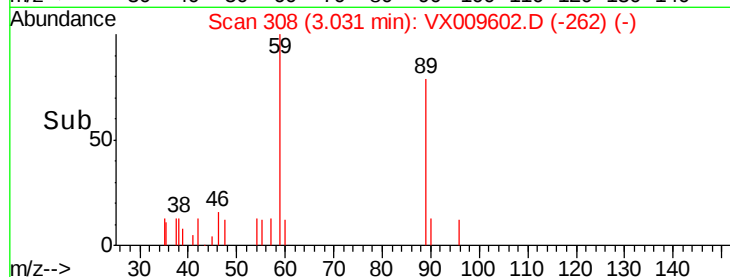
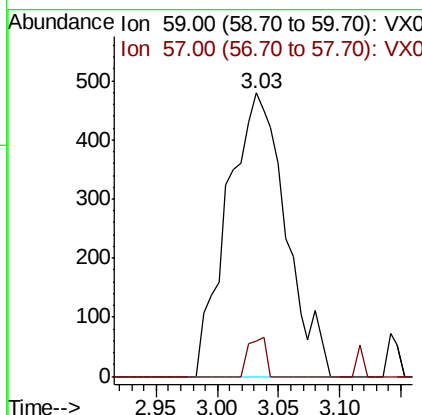
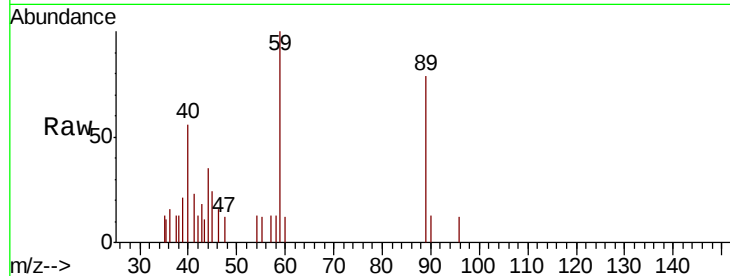




#11
Tert butyl alcohol
Concen: 2.892 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

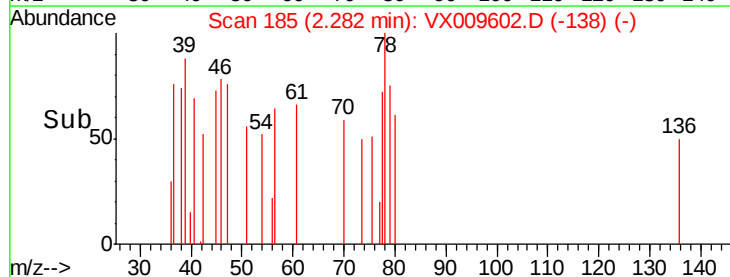
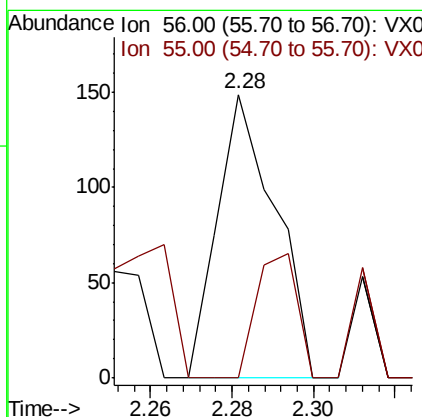
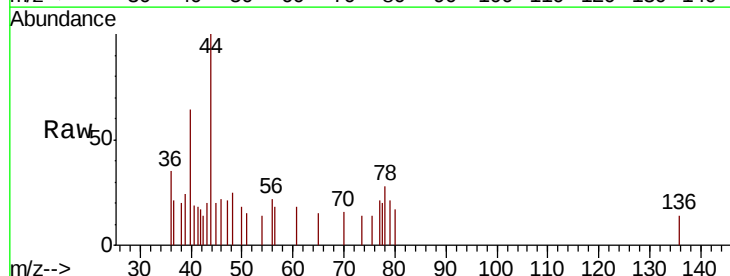
Instrument :
MSVOA_X
ClientSampled :
339

Tot Ion: 59 Resp: 1592
Ion Ratio Lower Upper
59 100
57 4.1 8.2 12.2#



#13
Acrolein
Concen: 0.295 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

Tgt Ion: 56 Resp: 147
Ion Ratio Lower Upper
56 100
55 30.6 56.6 85.0#





#16

Acetone

Concen: 8.224 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

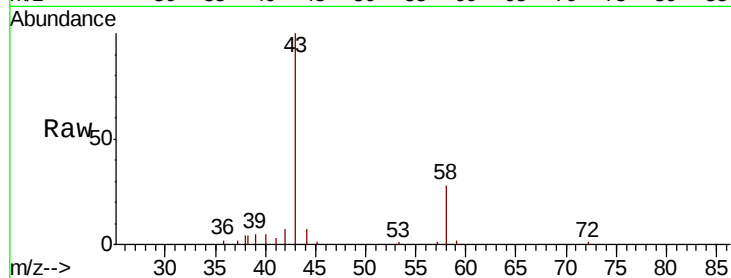
339

Tot Ion: 43 Resp: 10503

Ion Ratio Lower Upper

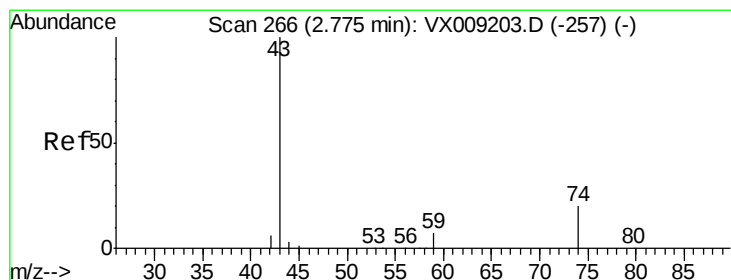
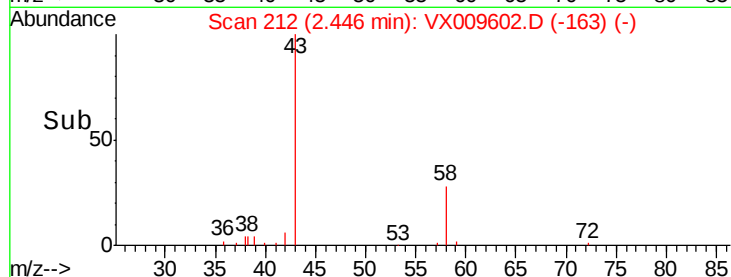
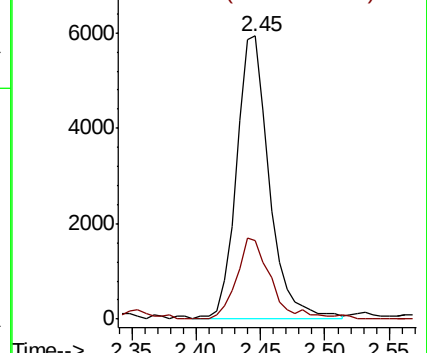
43 100

58 27.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 2.663 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.16 min

Lab File: VX009602.D

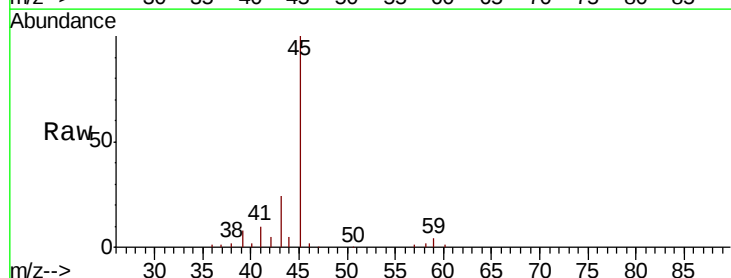
Acq: 16 May 2019 13:14

Tgt Ion: 43 Resp: 8089

Ion Ratio Lower Upper

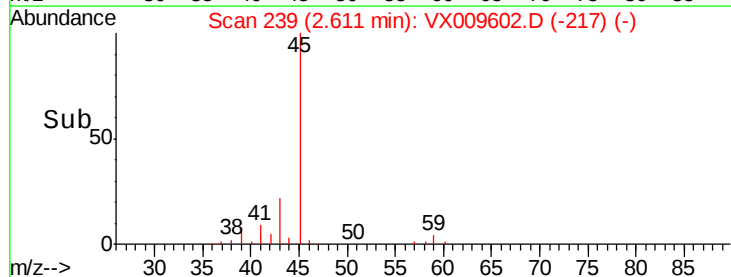
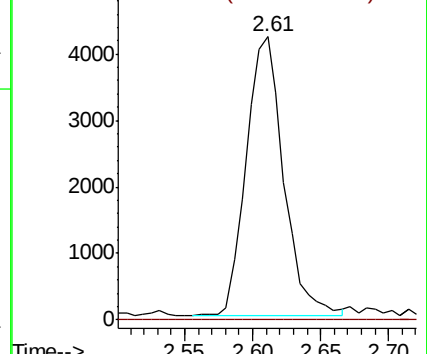
43 100

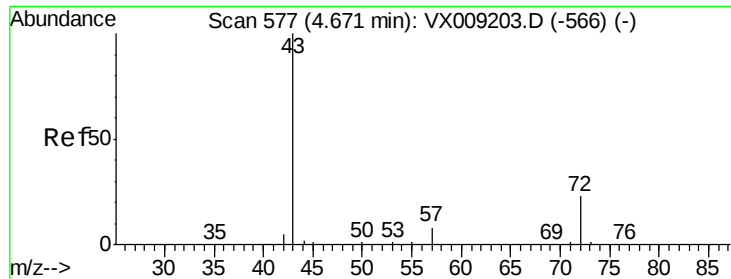
74 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.801 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

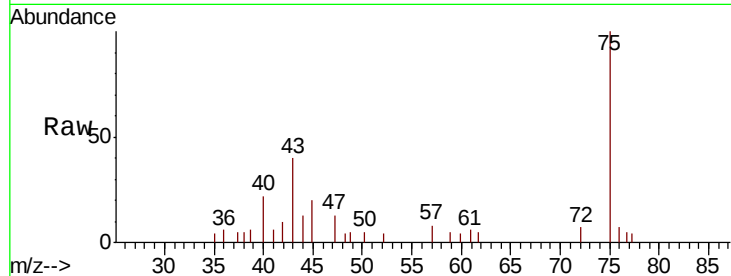
339

Tot Ion: 43 Resp: 1589

Ion Ratio Lower Upper

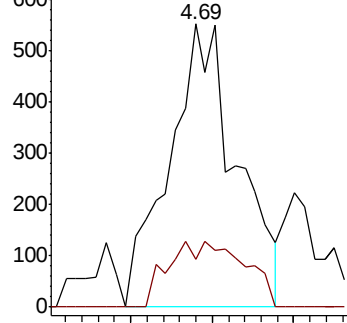
43 100

72 17.0 18.2 27.2#

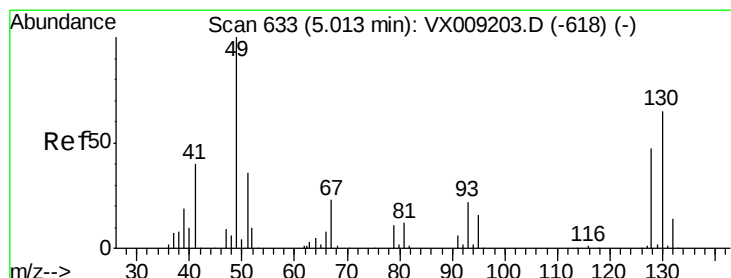
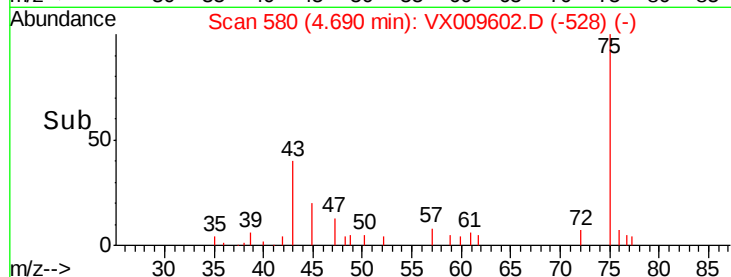


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

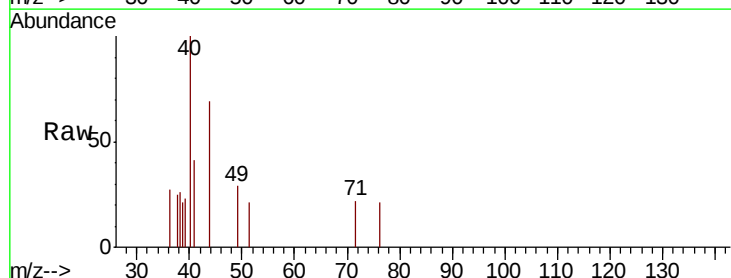
Tgt Ion: 49 Resp: 45

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

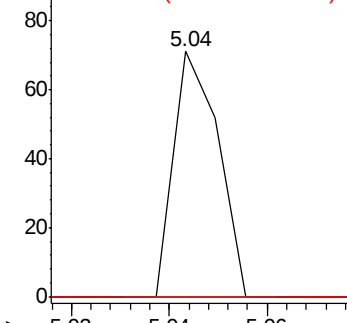
130 0.0 51.2 76.8#



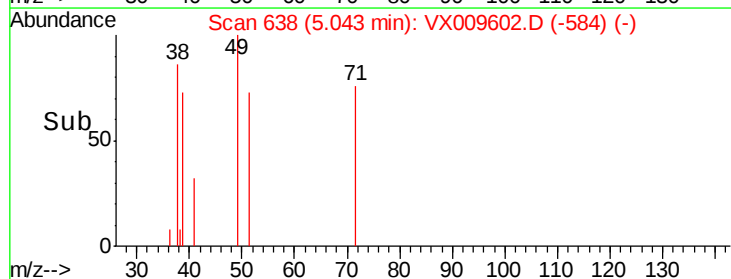
Abundance Ion 48.90 (48.60 to 49.60): VX0

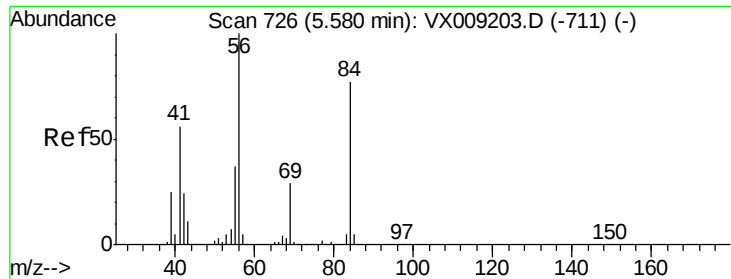
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->

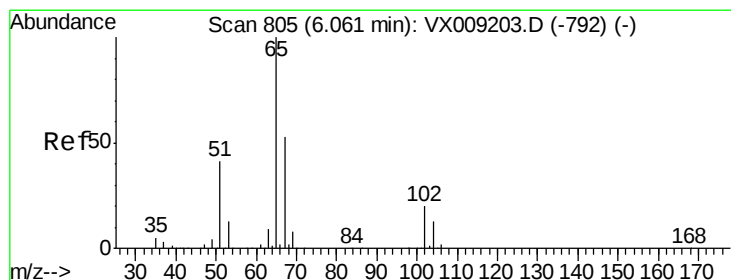
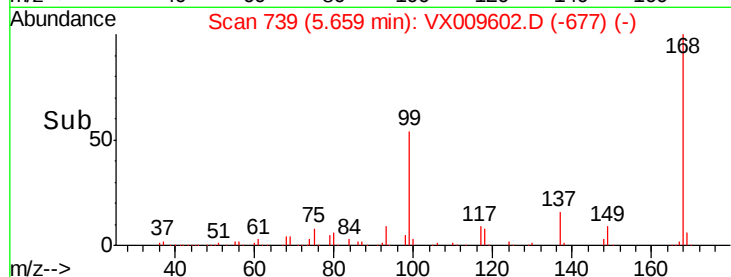
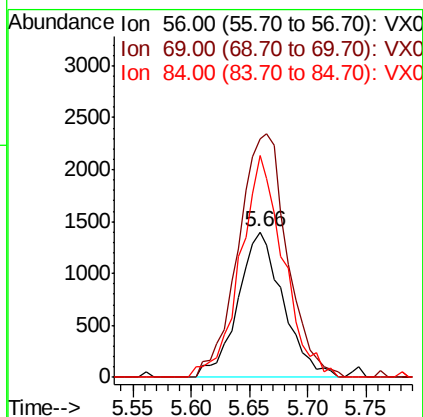
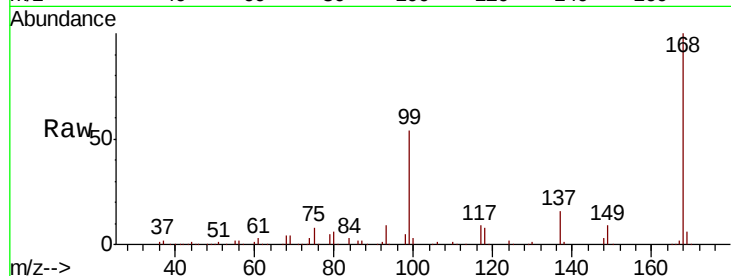




#31
Cyclohexane
Concen: 1.076 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

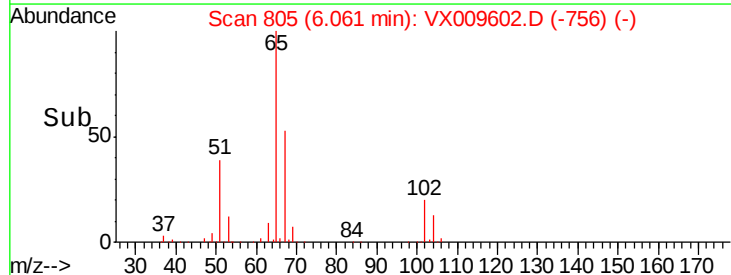
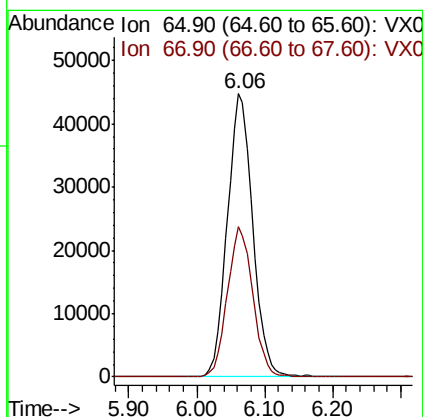
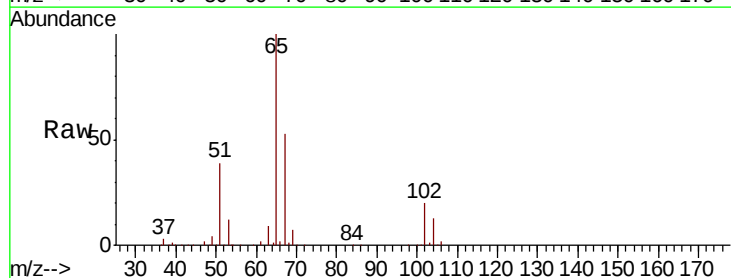
Instrument :
MSVOA_X
ClientSampleId :
339

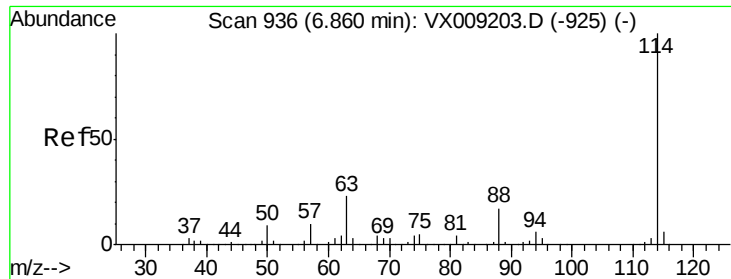
Tot Ion: 56 Resp: 3783
Ion Ratio Lower Upper
56 100
69 164.4 23.4 35.0#
84 153.1 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 48.857 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

Tgt Ion: 65 Resp: 116207
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6

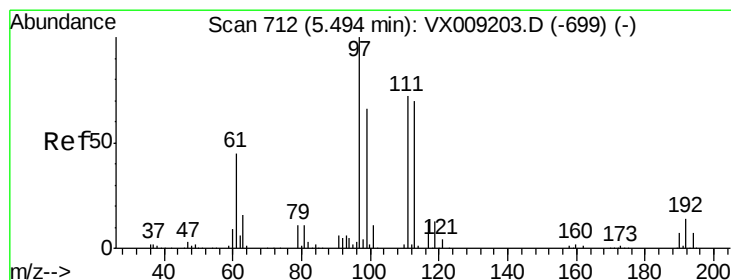
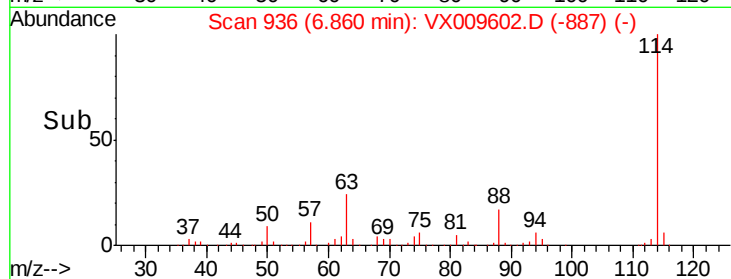
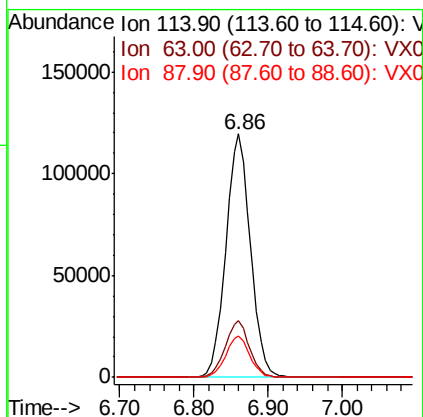
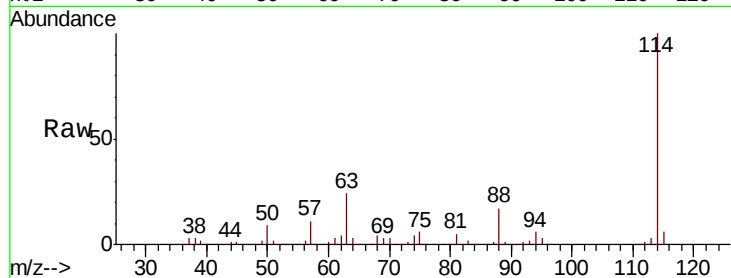




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

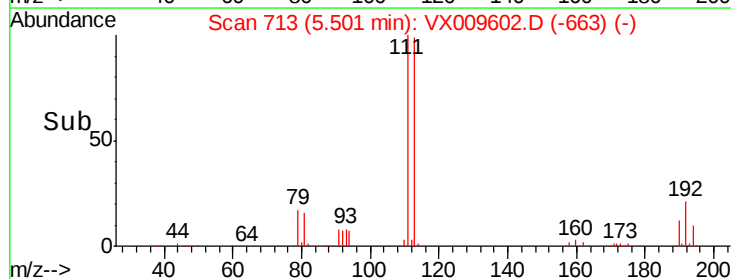
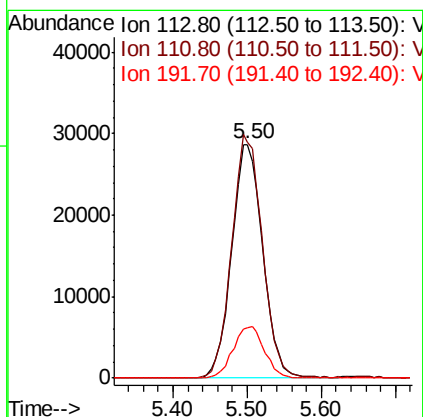
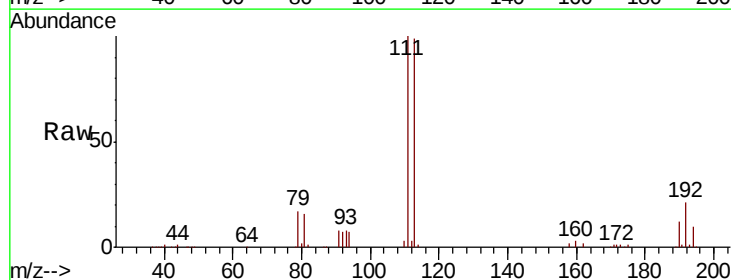
Instrument :
MSVOA_X
ClientSampleId :
339

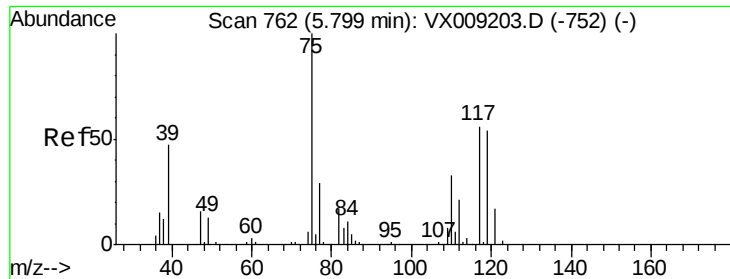
Tot Ion:114 Resp: 274747
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.6
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.683 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009602.D
Acq: 16 May 2019 13:14

Tgt Ion:113 Resp: 84084
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 22.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

339

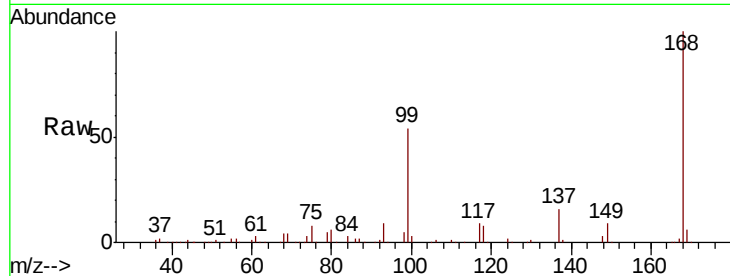
Tot Ion: 75 Resp: 13487

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.0 24.8 37.2#



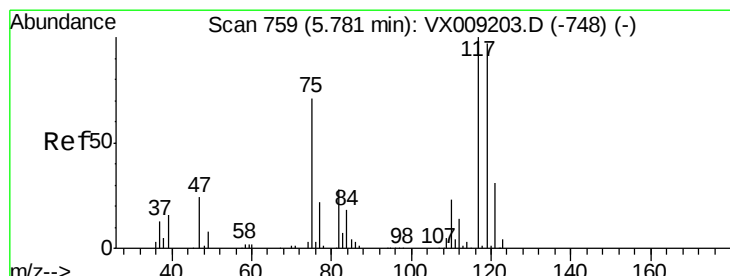
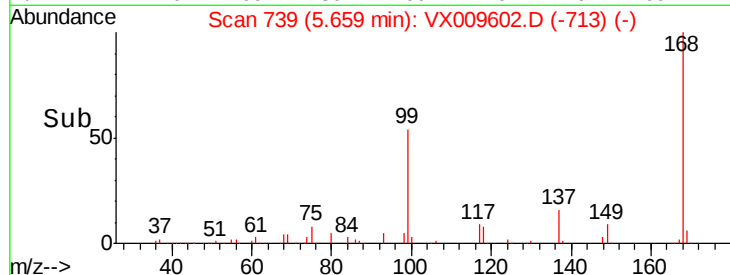
Abundance Ion 74.90 (74.60 to 75.60): VX009203.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX009203.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX009203.D (-752) (-)

5.66

Time-->



#38

Carbon Tetrachloride

Concen: 7.002 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

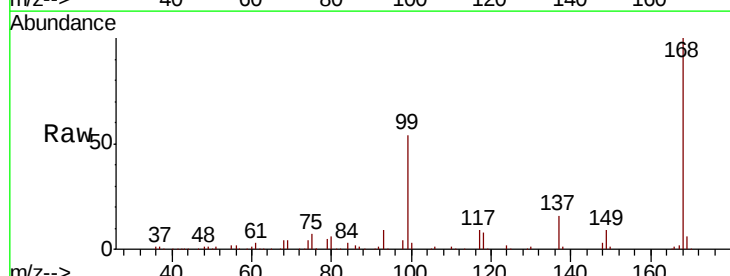
Tgt Ion: 117 Resp: 16243

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

121 0.0 24.7 37.1#



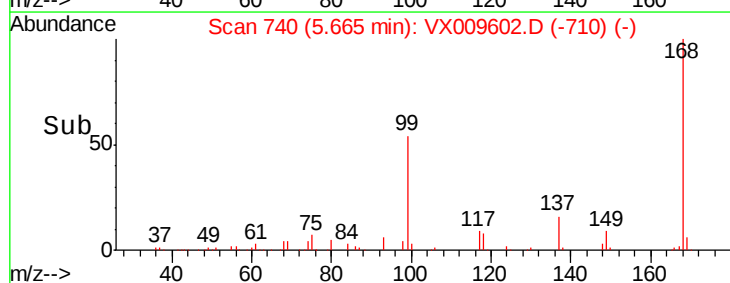
Abundance Ion 116.80 (116.50 to 117.50): VX009203.D (-748) (-)

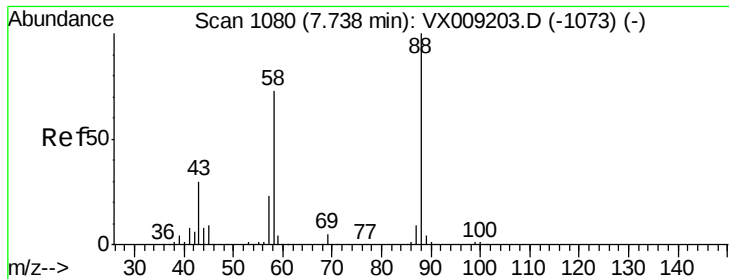
Ion 118.80 (118.50 to 119.50): VX009203.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX009203.D (-748) (-)

5.67

Time-->





#49

1,4-Dioxane

Concen: 0.332 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampled :

339

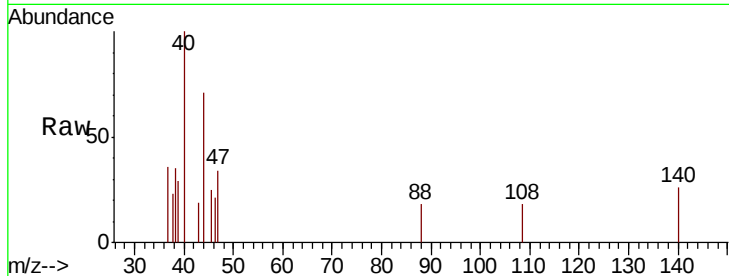
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

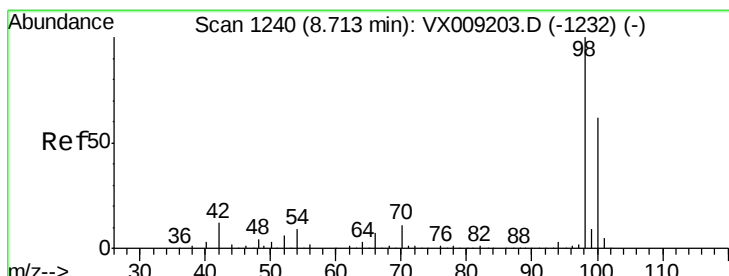
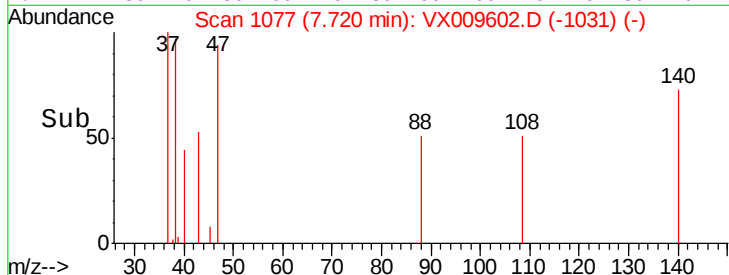
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.234 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009602.D

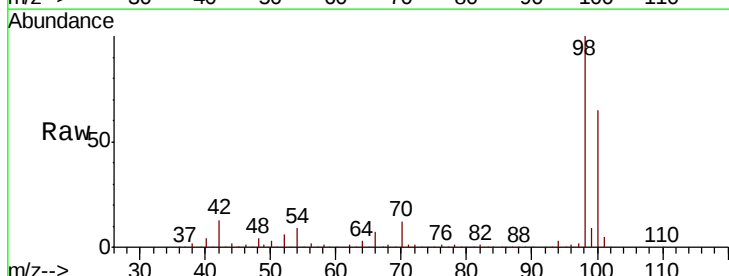
Acq: 16 May 2019 13:14

Tgt Ion: 98 Resp: 343309

Ion Ratio Lower Upper

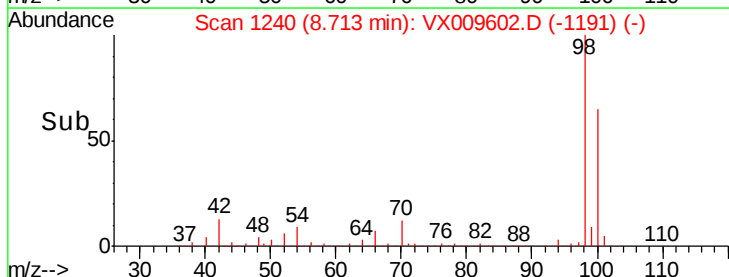
98 100

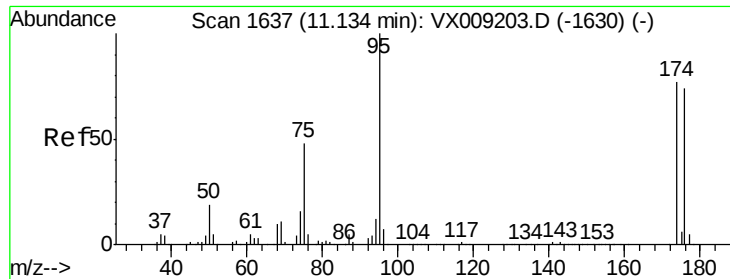
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.256 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

339

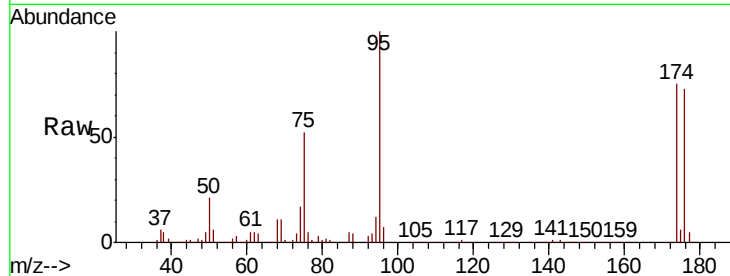
Tot Ion: 95 Resp: 112132

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

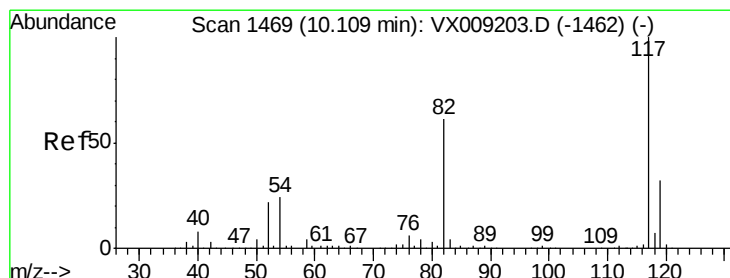
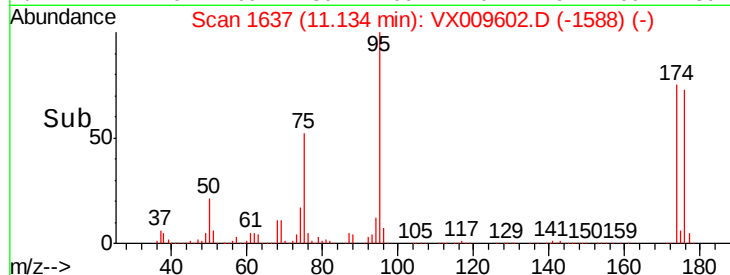
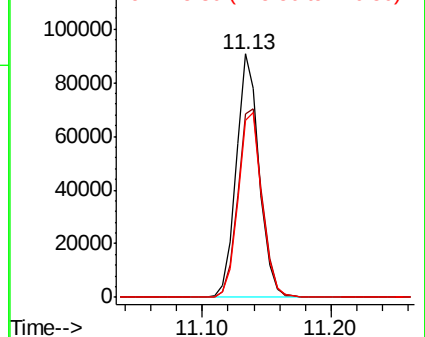
176 79.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009602.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009602.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009602.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

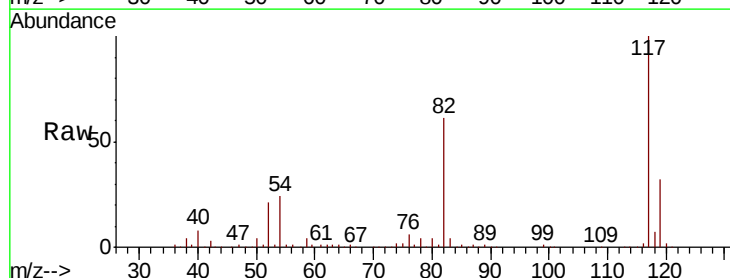
Tgt Ion: 117 Resp: 239456

Ion Ratio Lower Upper

117 100

82 60.9 48.8 73.2

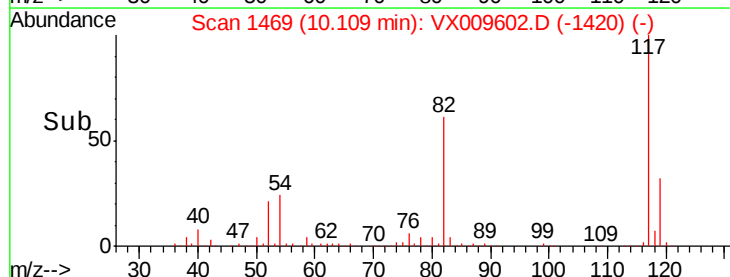
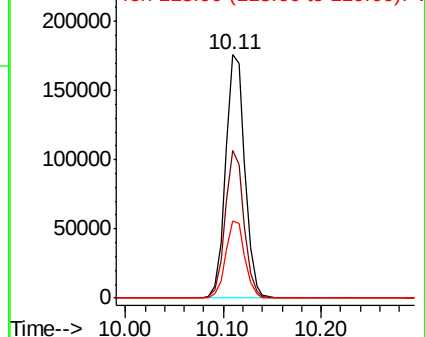
119 31.9 25.8 38.6

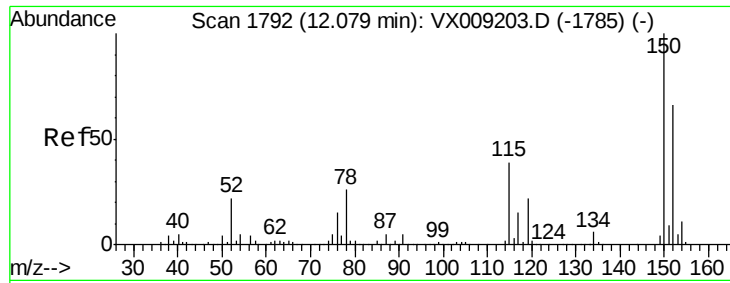


Abundance Ion 116.90 (116.60 to 117.60): VX009602.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009602.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009602.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

339

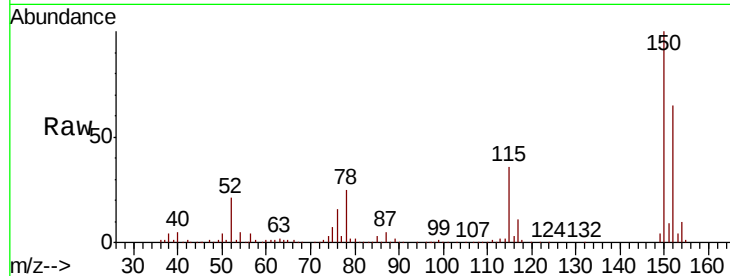
Tot Ion:152 Resp: 100492

Ion Ratio Lower Upper

152 100

115 57.9 41.2 123.6

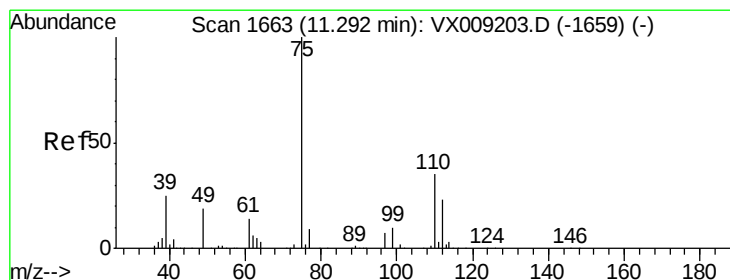
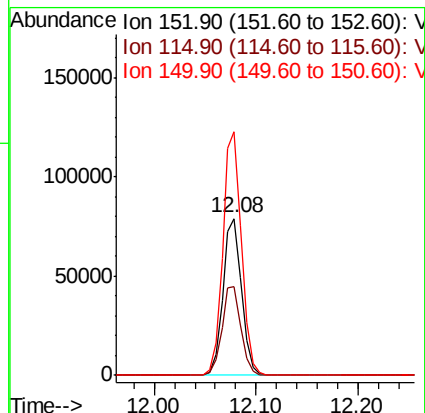
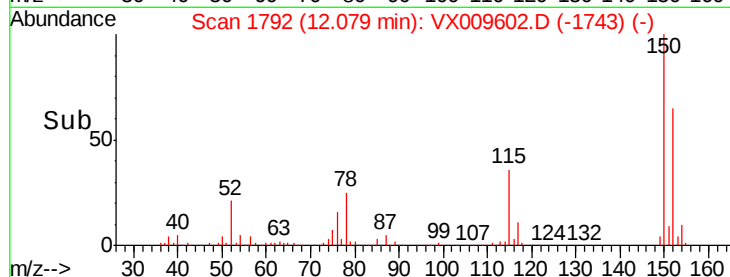
150 155.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.531 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009602.D

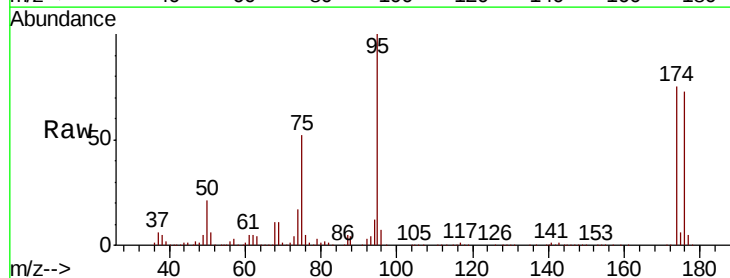
Acq: 16 May 2019 13:14

Tgt Ion: 75 Resp: 57182

Ion Ratio Lower Upper

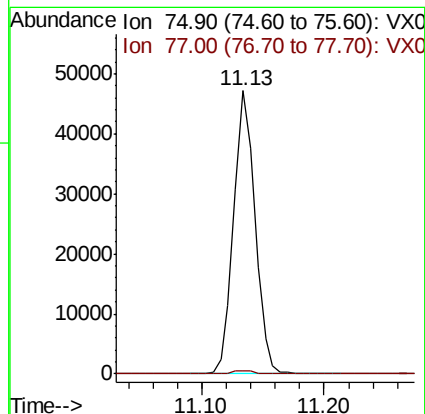
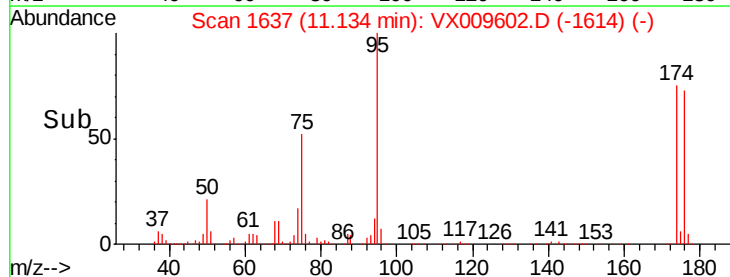
75 100

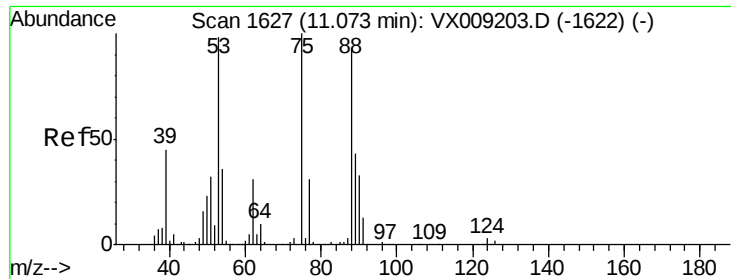
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009602.D

Acq: 16 May 2019 13:14

Instrument :

MSVOA_X

ClientSampleId :

339

Tot Ion: 75 Resp: 57182

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.1 34.7 52.1#

