

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008637.D
 Acq On : 04 Apr 2019 15:44
 Operator : JC/SP
 Sample : K2263-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Apr 05 07:06:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	218211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123344	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	153849	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	5.50	113	112861	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.71	98	460015	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.13	95	150093	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

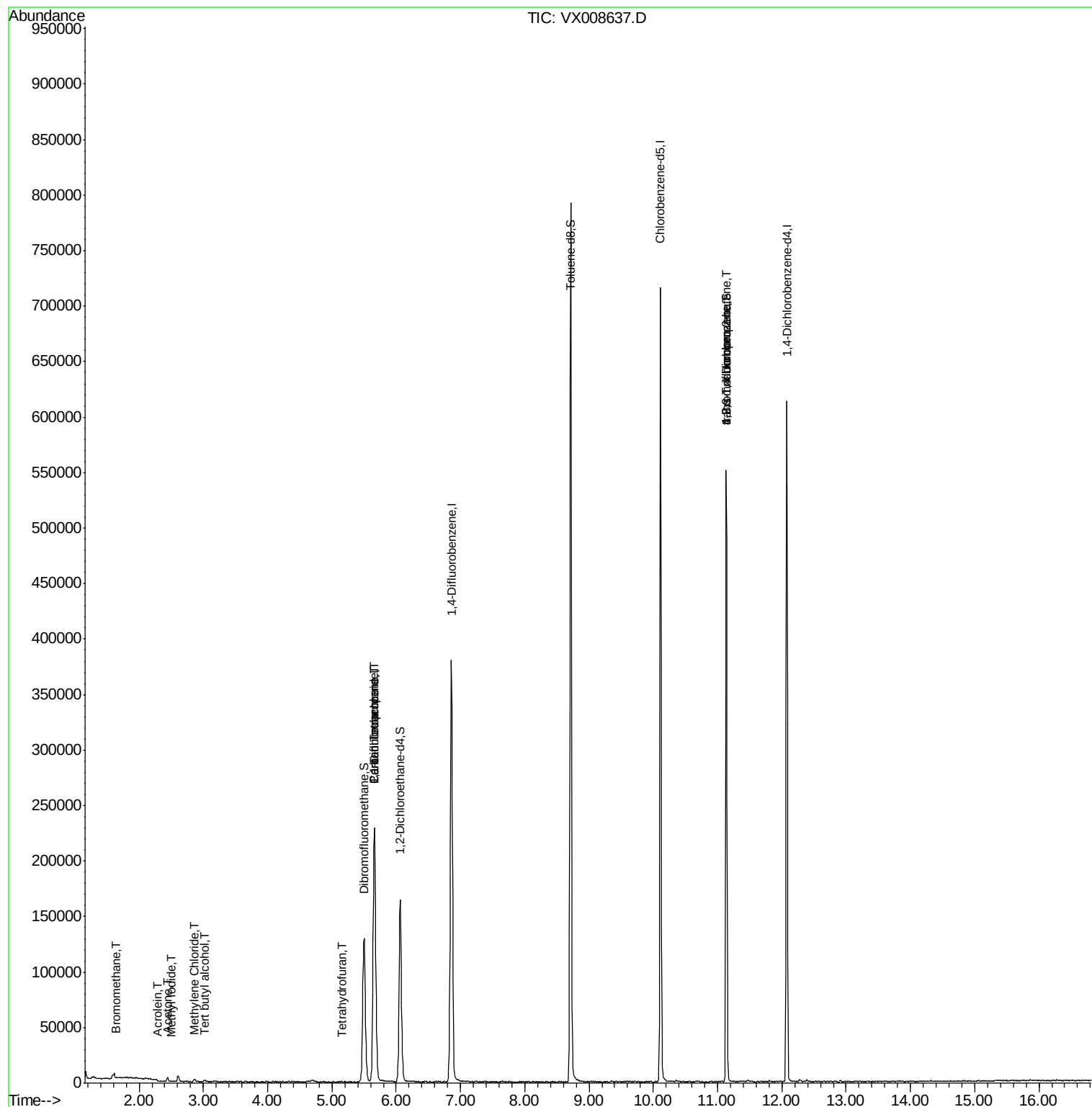
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	521	Below Cal	#	41
5) Bromomethane	1.64	94	314	2.066	ug/l	99
6) Chloroethane	1.71	64	1658	Below Cal	#	69
10) Methyl Iodide	2.51	142	221	4.095	ug/l #	42
11) Tert butyl alcohol	3.02	59	1083	1.453	ug/l #	72
13) Acrolein	2.29	56	79	0.214	ug/l #	1
16) Acetone	2.44	43	4155	2.267	ug/l	95
17) Carbon Disulfide	2.56	76	807	Below Cal	#	70
20) Methylene Chloride	2.86	84	973	0.317	ug/l #	89
28) Bromochloromethane	5.01	49	41	Below Cal	#	22
29) Tetrahydrofuran	5.17	42	507	0.264	ug/l #	41
36) 1,1-Dichloropropene	5.66	75	18305	4.534	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21439	6.415	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	75329	22.232	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75329	61.282	ug/l #	9

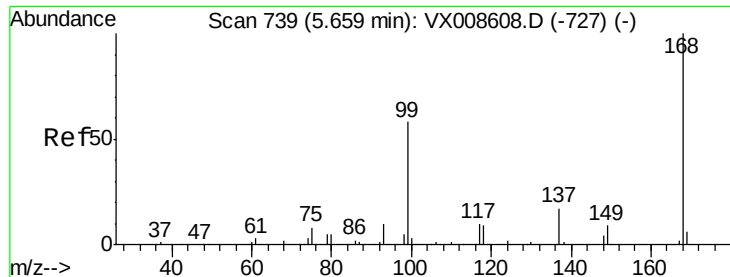
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

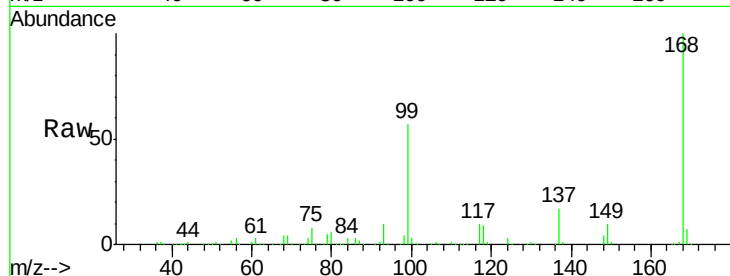
MW-1

Tgt Ion:168 Resp: 218211

Ion Ratio Lower Upper

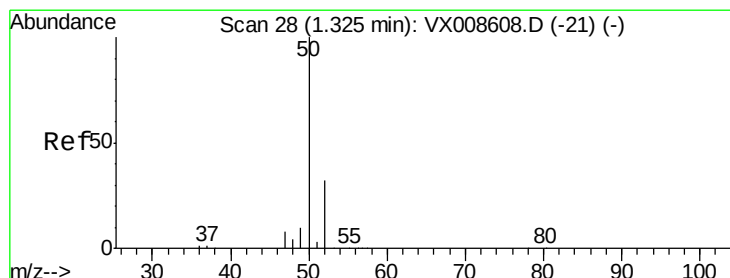
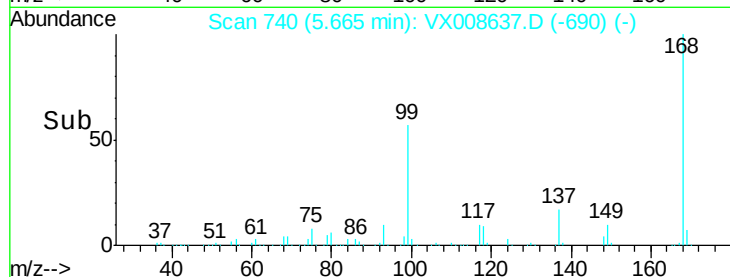
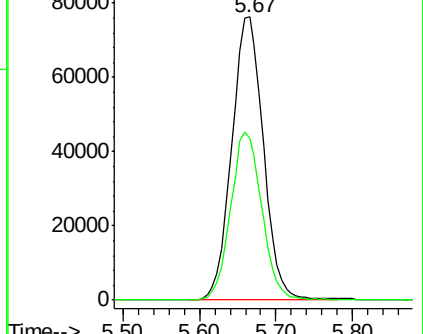
168 100

99 57.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008637.D

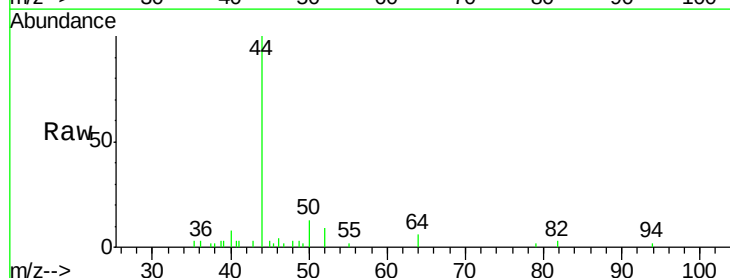
Acq: 04 Apr 2019 15:44

Tgt Ion: 50 Resp: 521

Ion Ratio Lower Upper

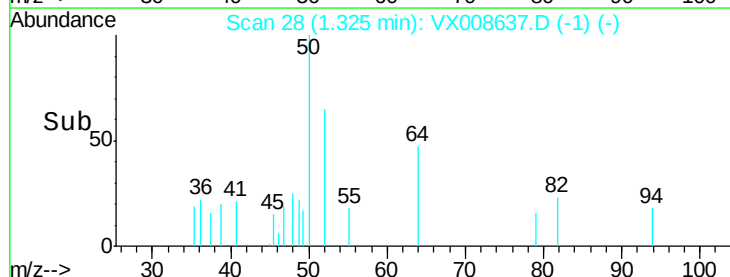
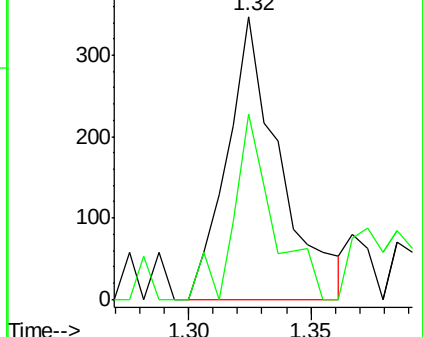
50 100

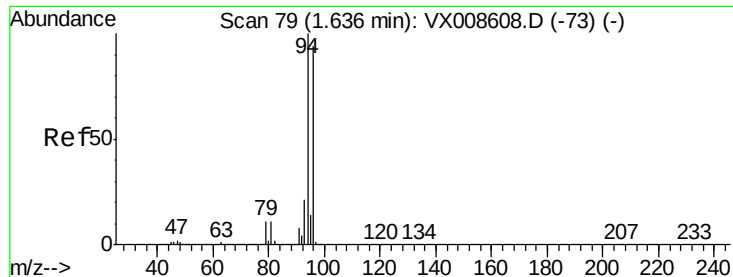
52 65.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.066 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

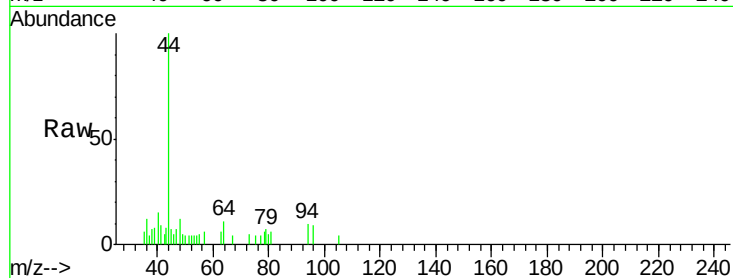
MW-1

Tgt Ion: 94 Resp: 314

Ion Ratio Lower Upper

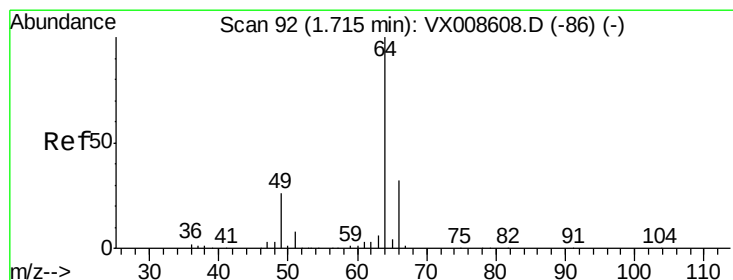
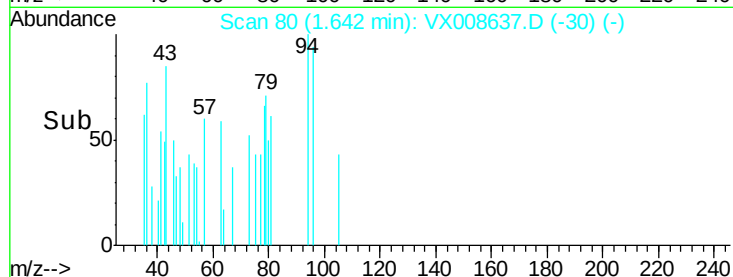
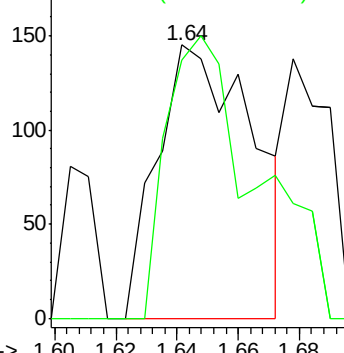
94 100

96 94.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008637.D

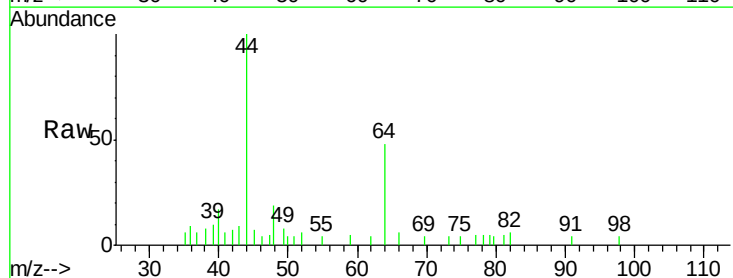
Acq: 04 Apr 2019 15:44

Tgt Ion: 64 Resp: 1658

Ion Ratio Lower Upper

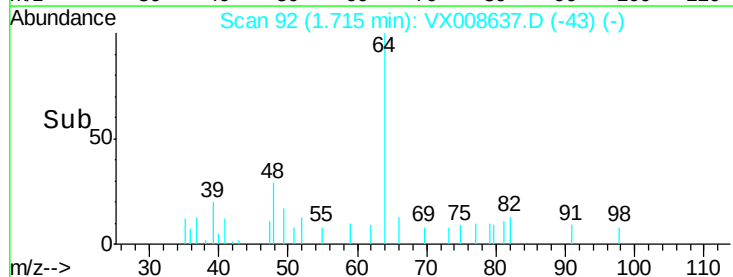
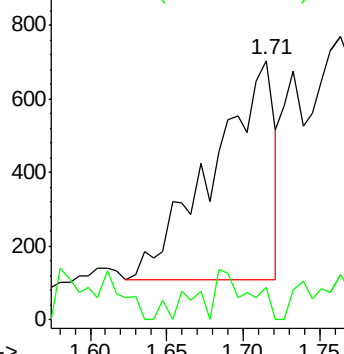
64 100

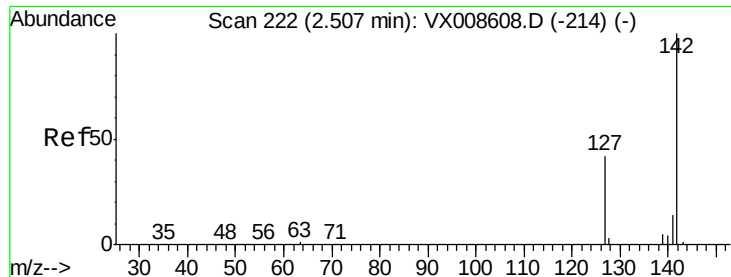
66 14.8 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

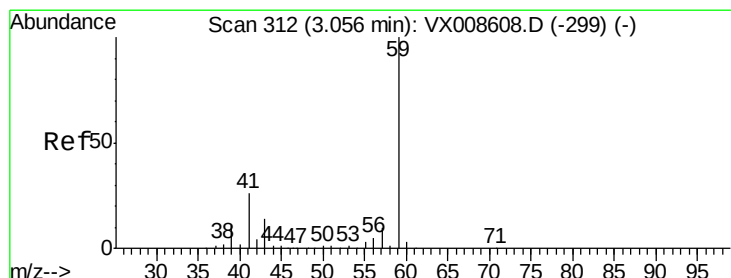
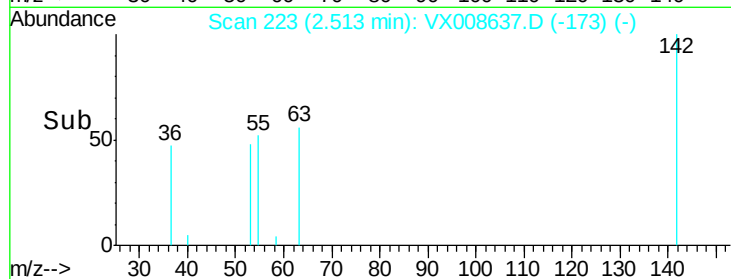
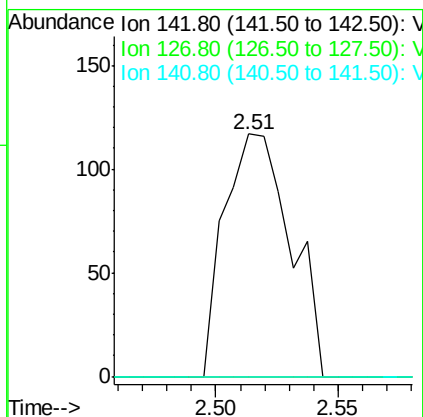
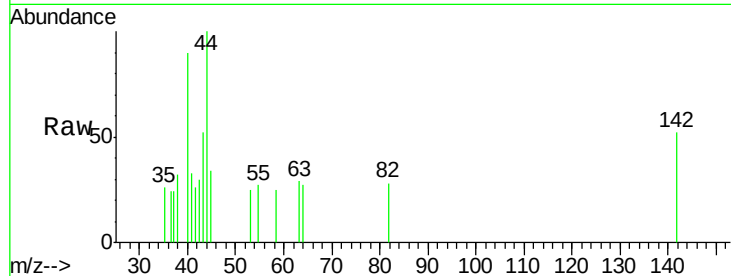




#10
Methyl Iodide
Concen: 4.095 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

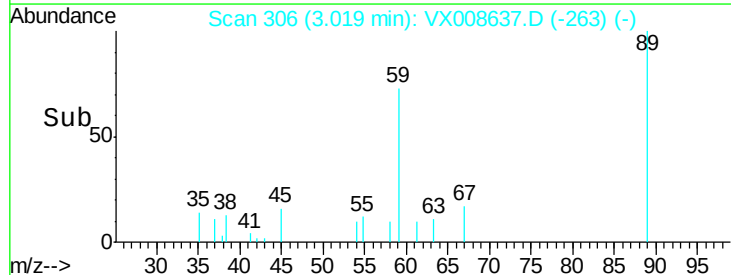
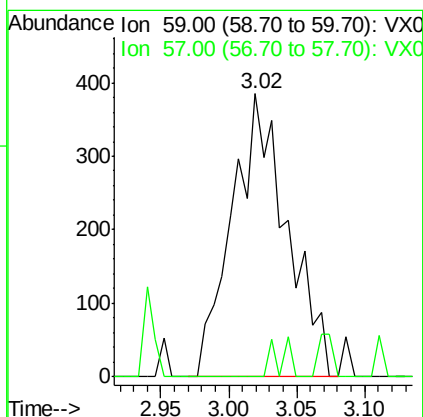
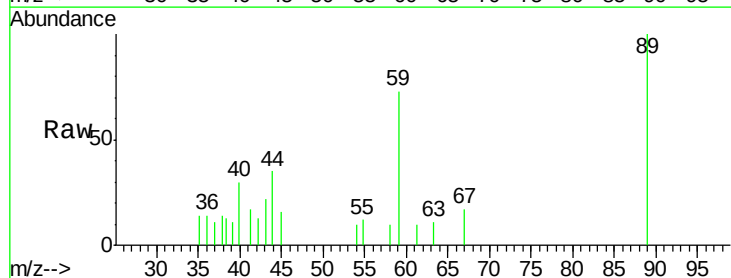
Instrument :
MSVOA_X
ClientSampled :
MW-1

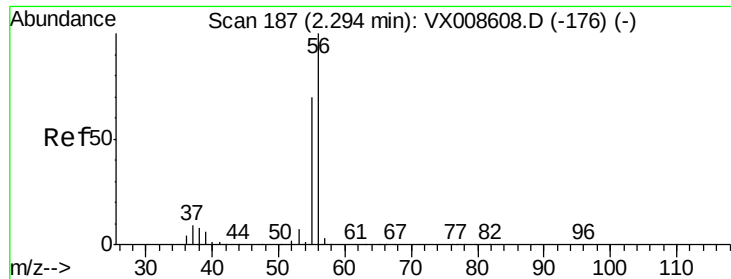
Tgt Ion: 142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.453 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

Tgt Ion: 59 Resp: 1083
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

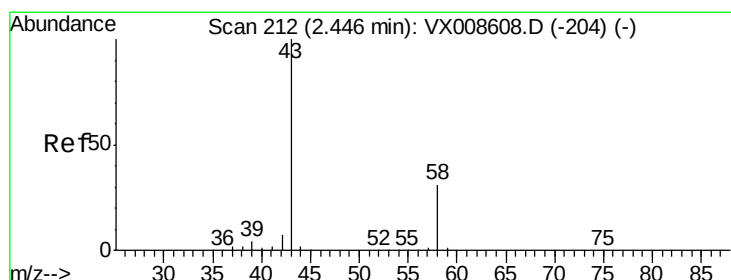
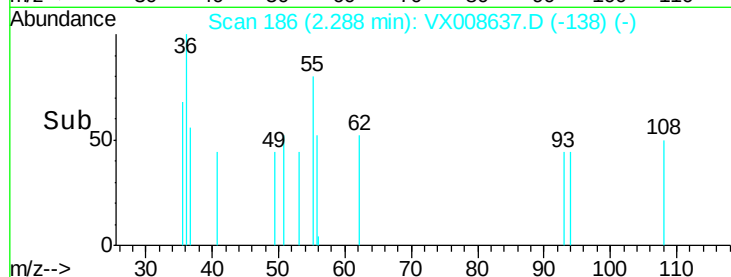
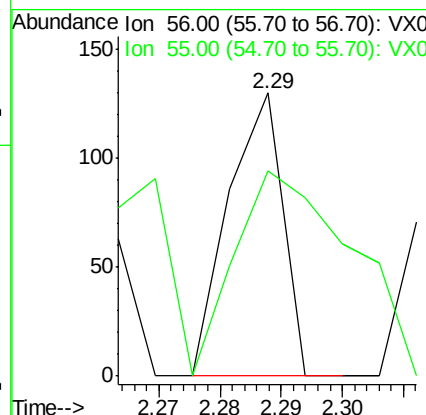
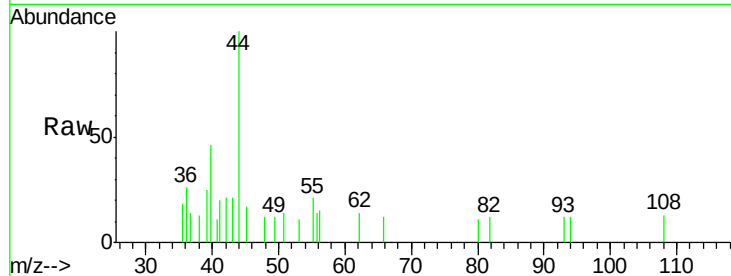




#13
Acrolein
Concen: 0.214 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

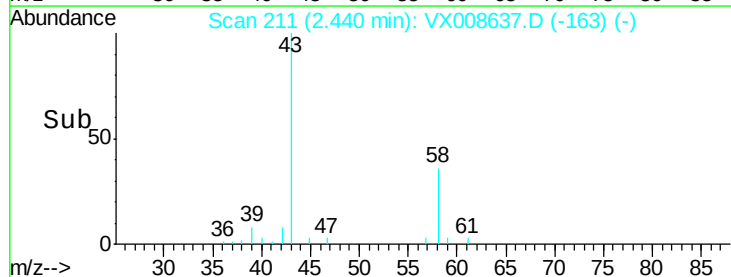
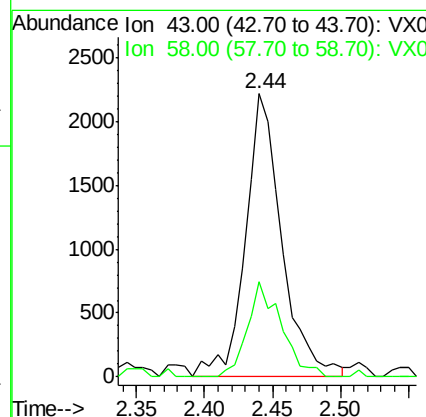
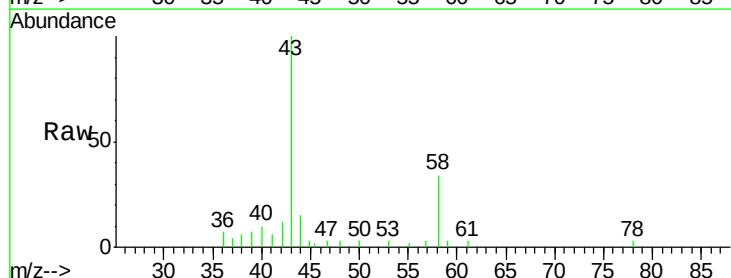
Instrument :
MSVOA_X
ClientSampled :
MW-1

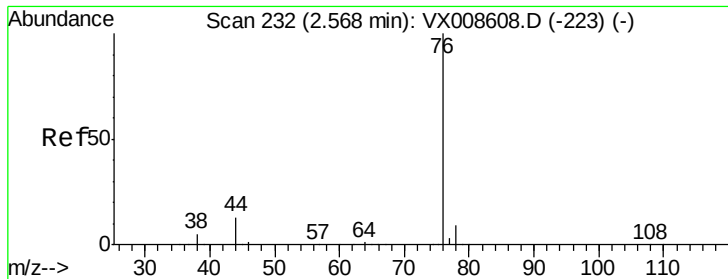
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 157.0 58.0 87.0#



#16
Acetone
Concen: 2.267 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

Tgt Ion: 43 Resp: 4155
Ion Ratio Lower Upper
43 100
58 33.6 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

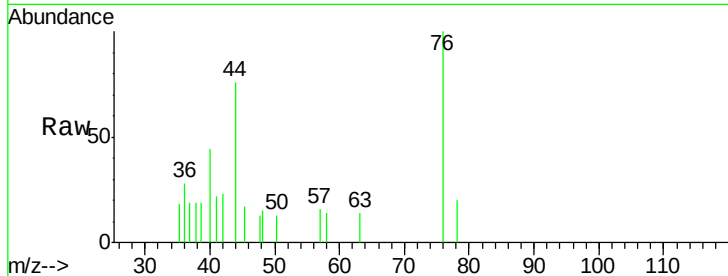
MW-1

Tgt Ion: 76 Resp: 807

Ion Ratio Lower Upper

76 100

78 19.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400

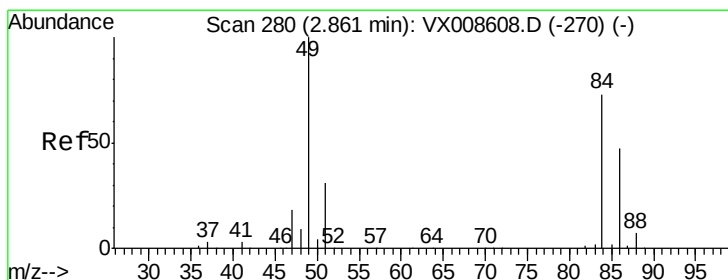
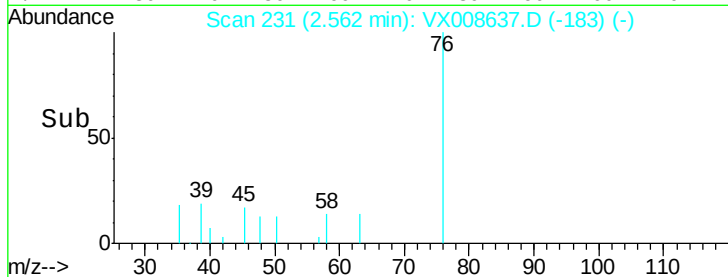
300

200

100

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.317 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Tgt Ion: 84 Resp: 973

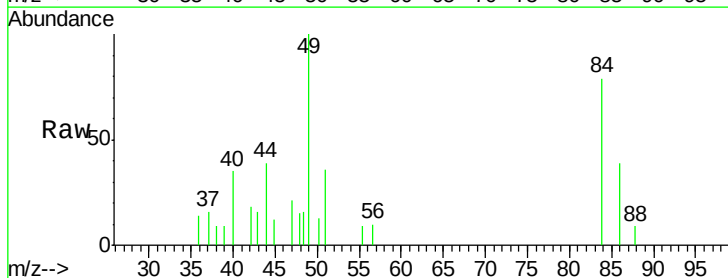
Ion Ratio Lower Upper

84 100

49 126.9 109.7 164.5

51 45.4 33.6 50.4

86 49.4 51.4 77.2#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

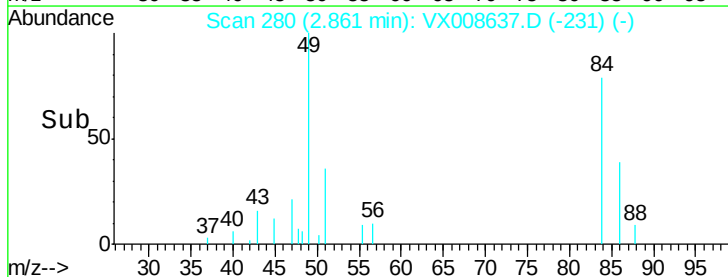
600

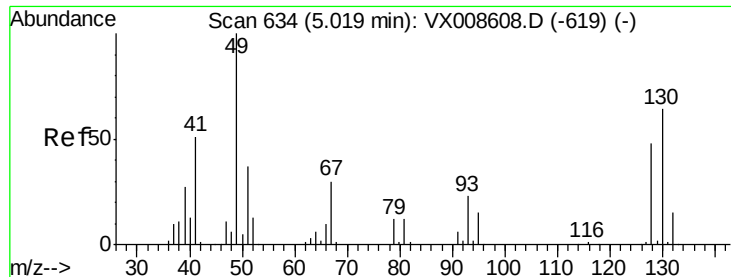
400

200

0

Time--> 2.80 2.85 2.90





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

MW-1

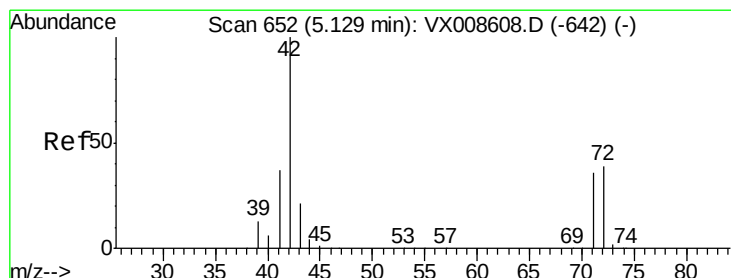
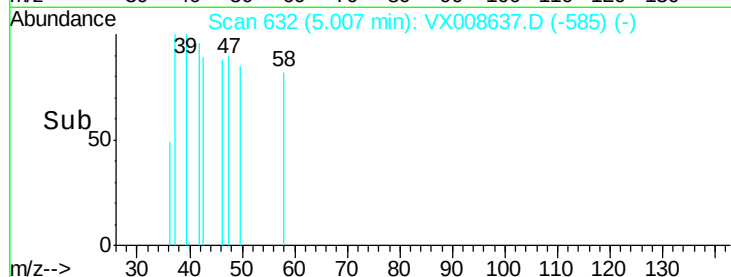
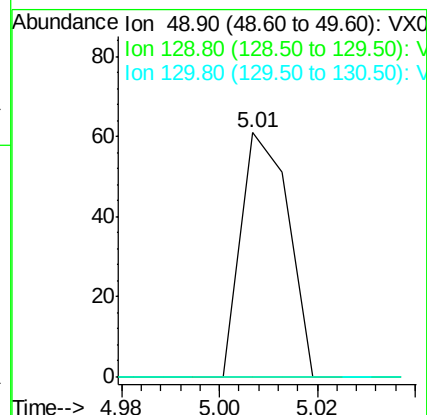
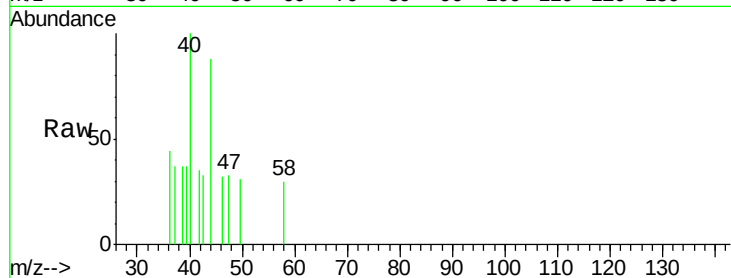
Tgt Ion: 49 Resp: 41

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.04 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

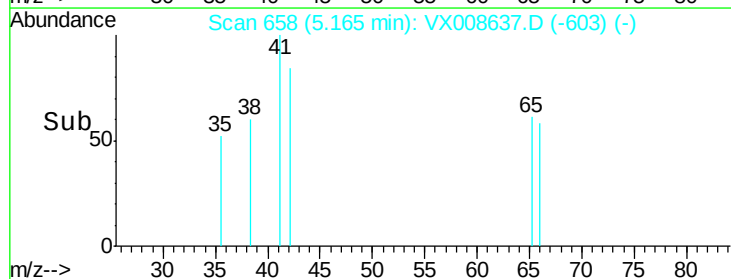
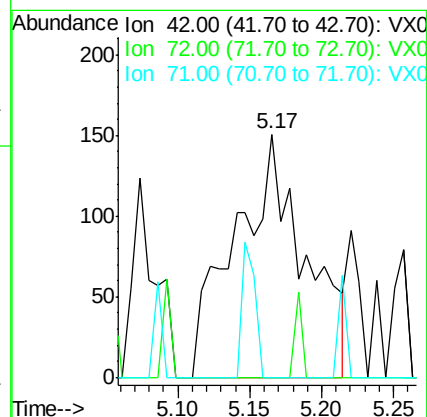
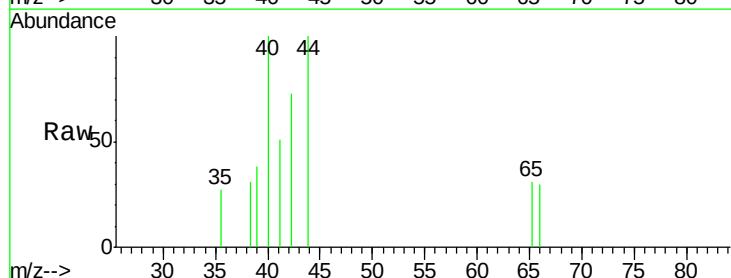
Tgt Ion: 42 Resp: 507

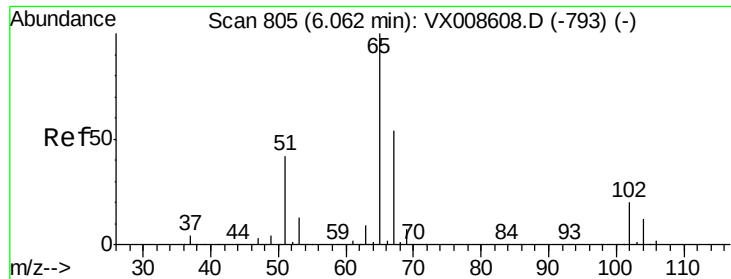
Ion Ratio Lower Upper

42 100

72 3.7 30.5 45.7#

71 0.0 28.6 43.0#

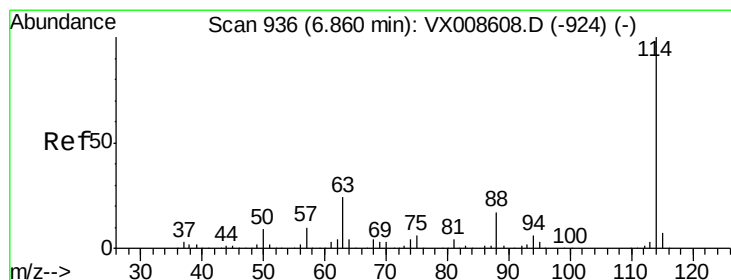
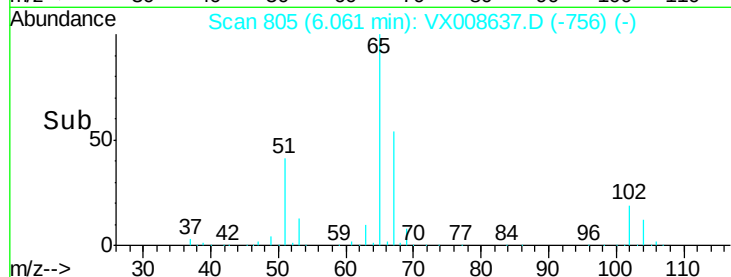
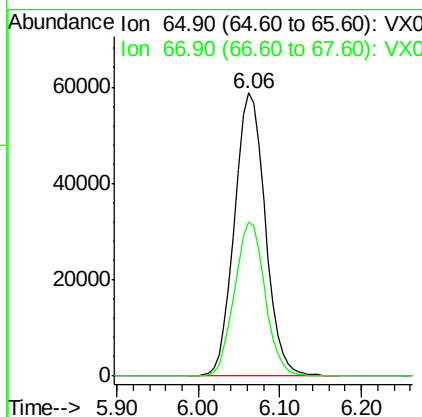
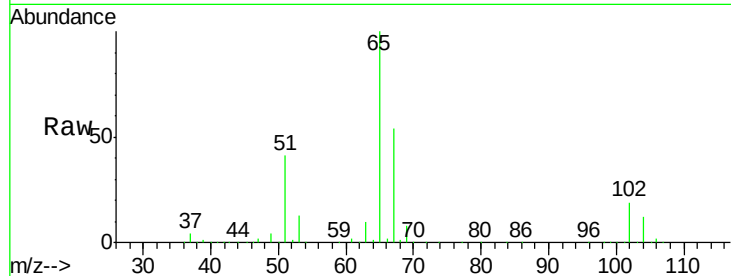




#33
 1,2-Dichloroethane-d4
 Concen: 48.339 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008637.D
 Acq: 04 Apr 2019 15:44

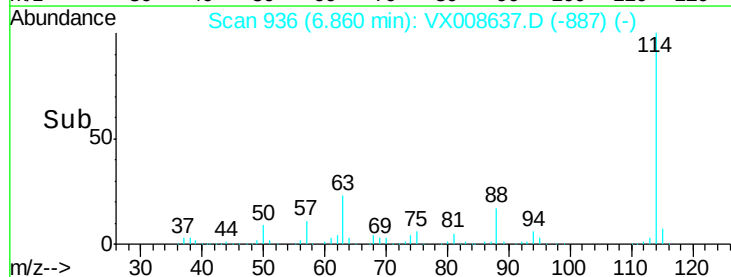
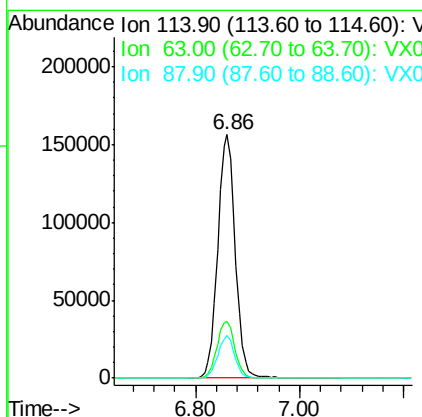
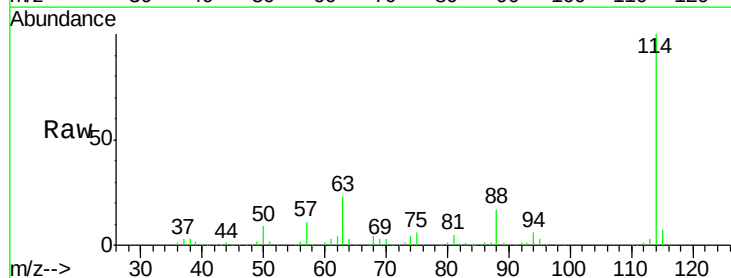
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

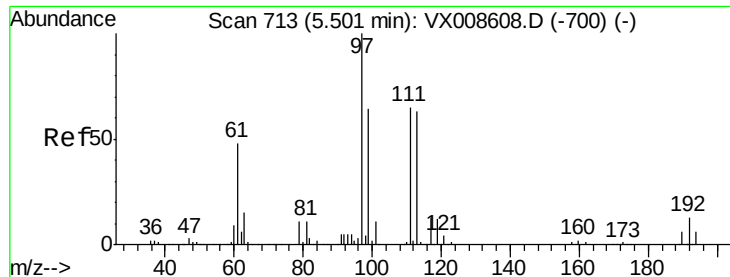
Tgt Ion: 65 Resp: 153849
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008637.D
 Acq: 04 Apr 2019 15:44

Tgt Ion: 114 Resp: 369382
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 17.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

MW-1

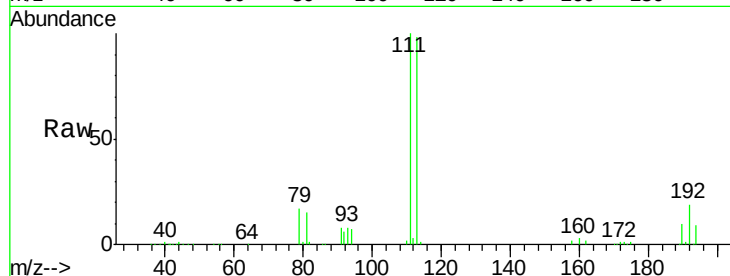
Tgt Ion:113 Resp: 112861

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.2

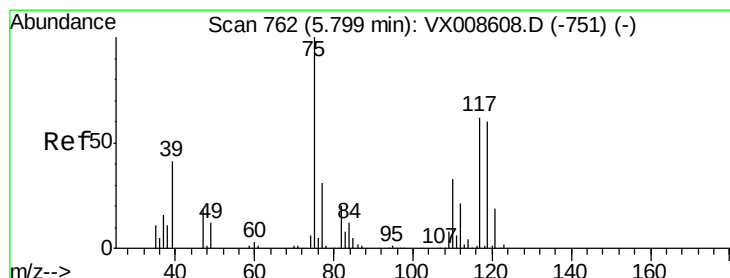
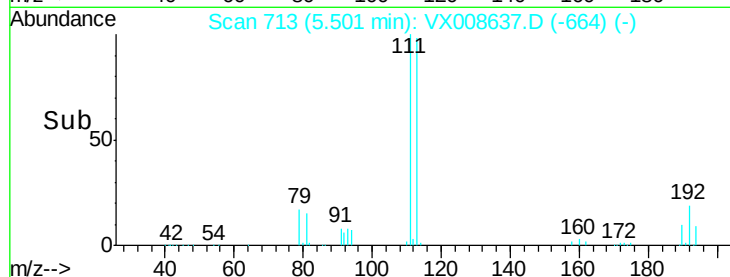
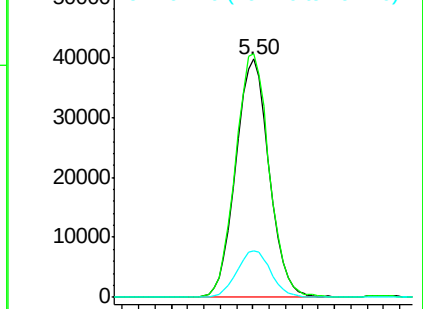
192 20.0 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.534 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

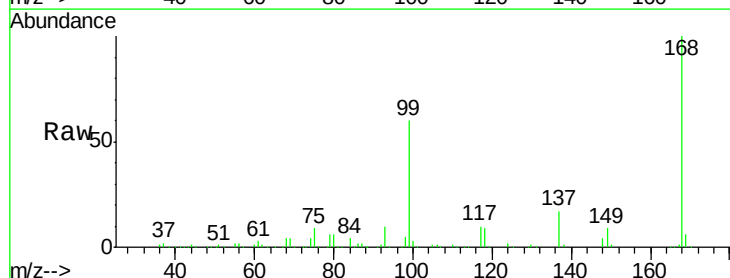
Tgt Ion: 75 Resp: 18305

Ion Ratio Lower Upper

75 100

110 8.2 16.4 49.2#

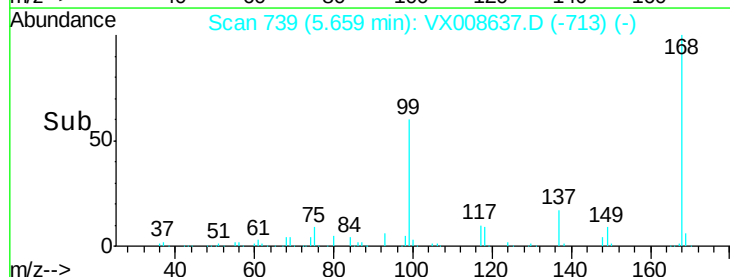
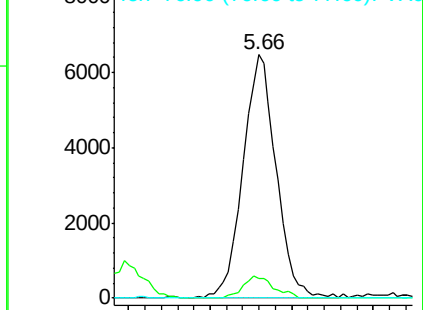
77 0.0 24.7 37.1#

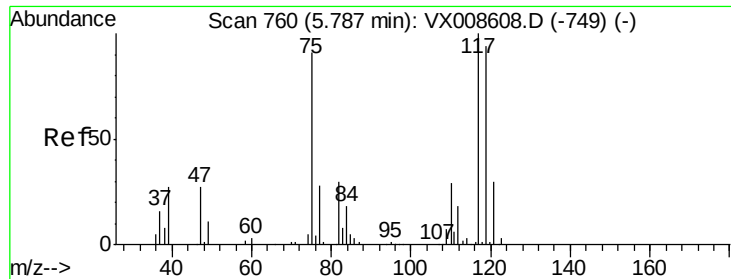


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

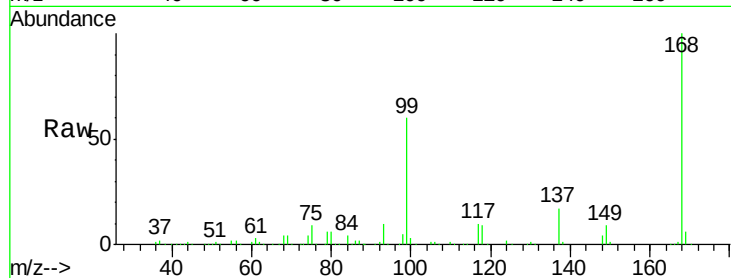




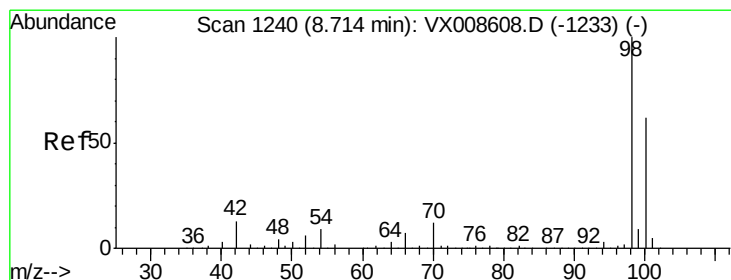
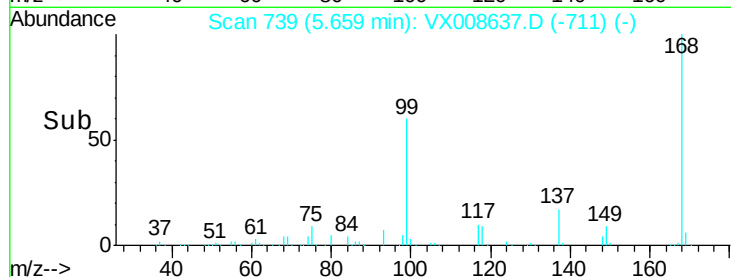
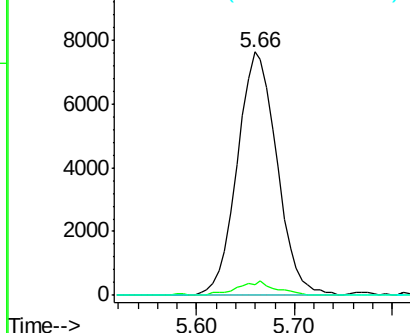
#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 21439
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 24.3 36.5#

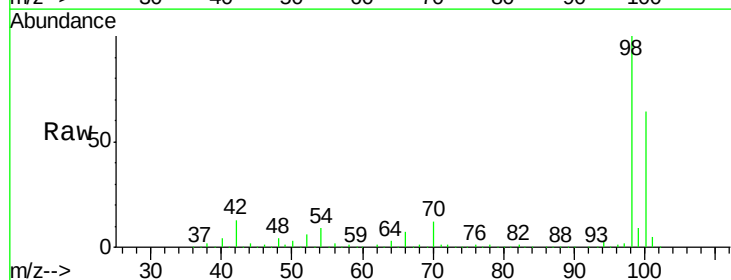


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

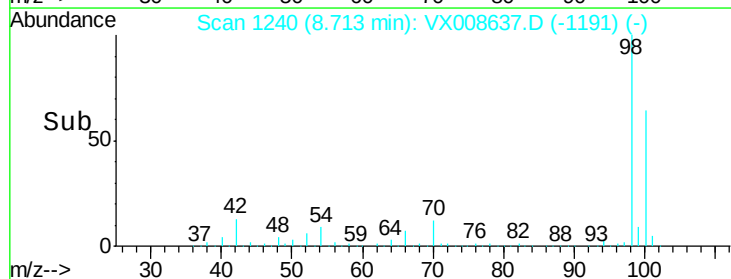
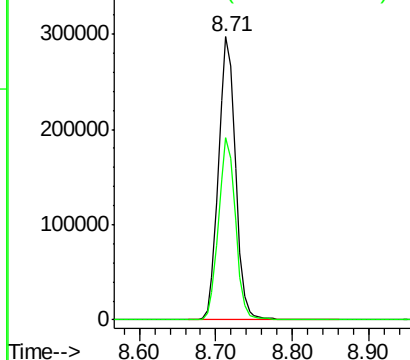


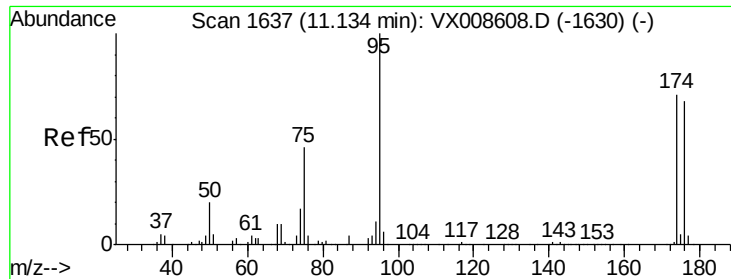
#50
Toluene-d8
Concen: 48.919 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008637.D
Acq: 04 Apr 2019 15:44

Tgt Ion: 98 Resp: 460015
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

MW-1

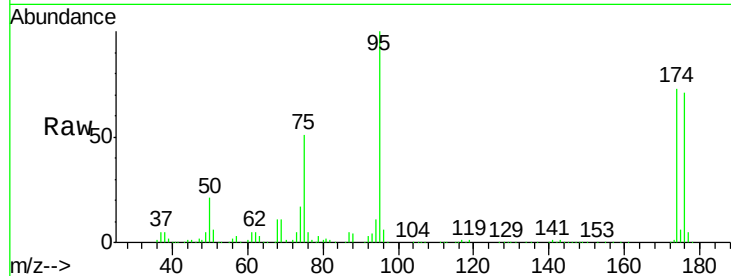
Tgt Ion: 95 Resp: 150093

Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.8

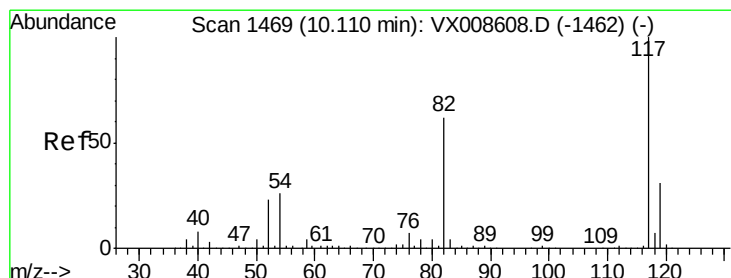
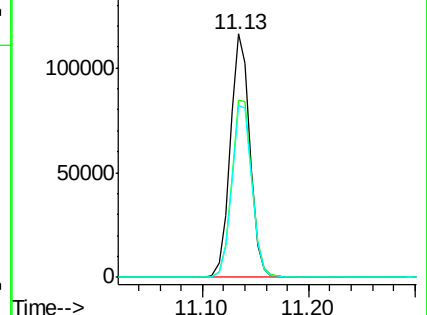
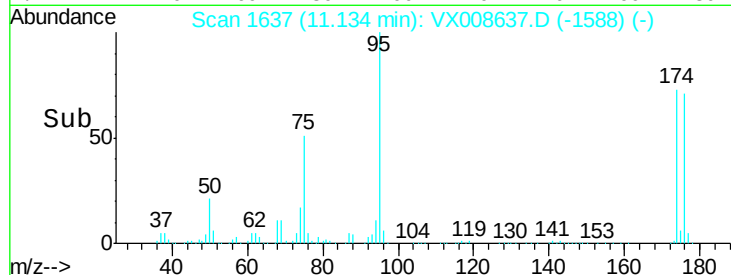
176 72.9 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008637.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008637.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008637.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

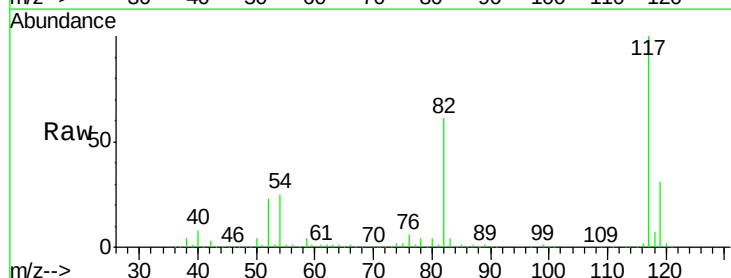
Tgt Ion: 117 Resp: 312625

Ion Ratio Lower Upper

117 100

82 61.4 49.6 74.4

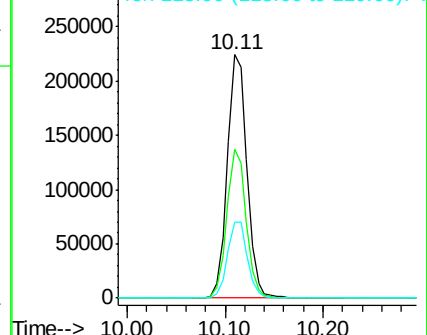
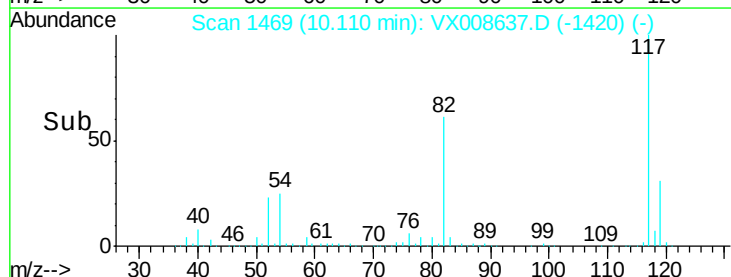
119 31.4 25.0 37.4

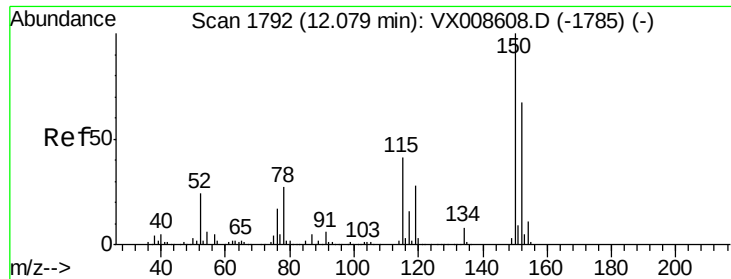


Abundance Ion 116.90 (116.60 to 117.60): VX008637.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008637.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008637.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: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

MW-1

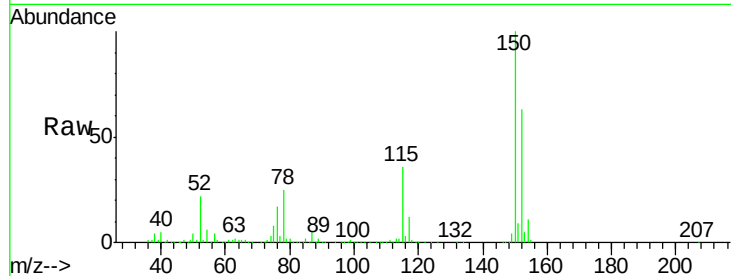
Tgt Ion:152 Resp: 123344

Ion Ratio Lower Upper

152 100

115 60.4 43.5 130.5

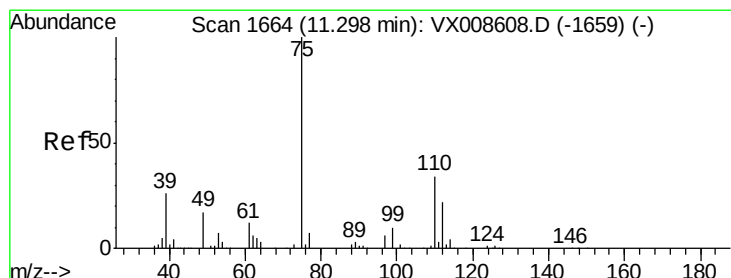
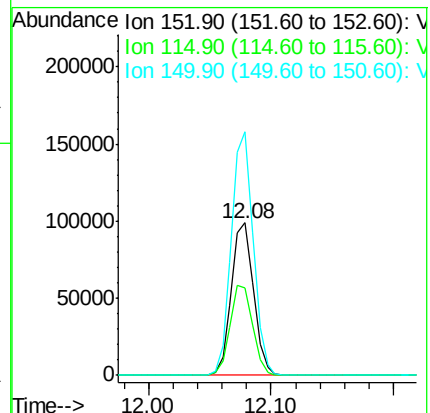
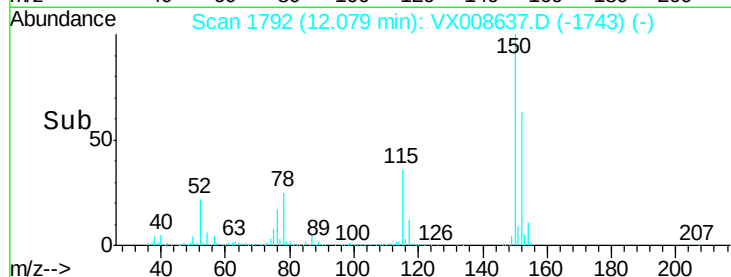
150 157.9 0.0 348.8



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: 22.232 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008637.D

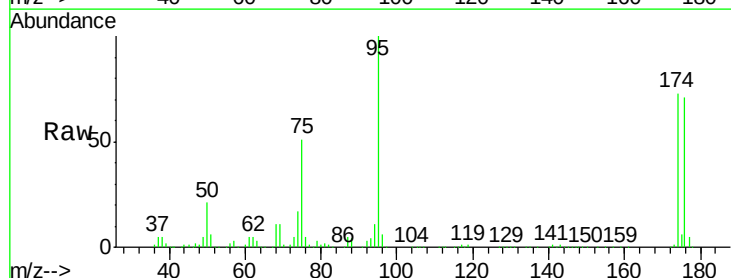
Acq: 04 Apr 2019 15:44

Tgt Ion: 75 Resp: 75329

Ion Ratio Lower Upper

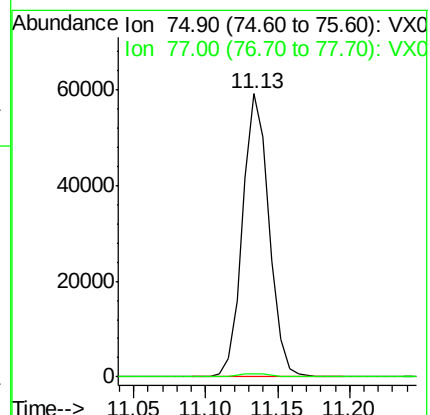
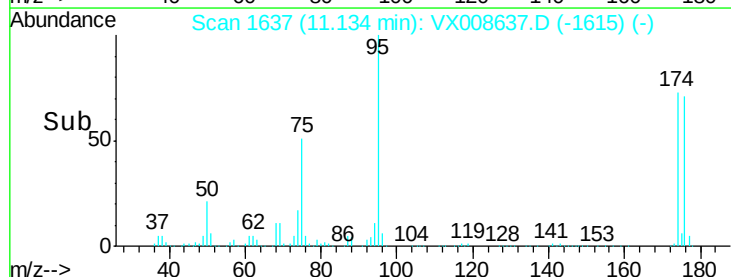
75 100

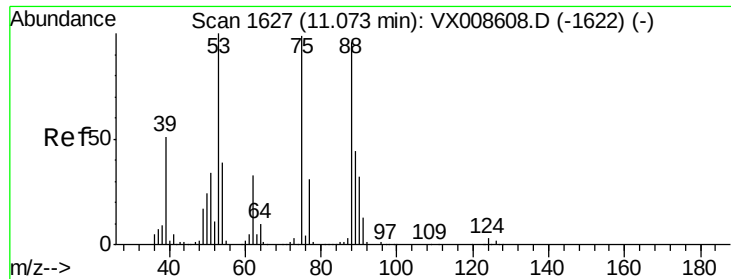
77 1.3 22.3 66.8#



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: 61.282 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008637.D

Acq: 04 Apr 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tgt Ion: 75 Resp: 75329

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

