

Data File : VX008803.D
Acq On : 10 Apr 2019 14:23
Operator : JC/SP
Sample : K2349-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW040-190408

Quant Time: Apr 11 05:42:29 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	206128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124658	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	138038	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	5.49	113	100993	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	8.71	98	424355	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	142850	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

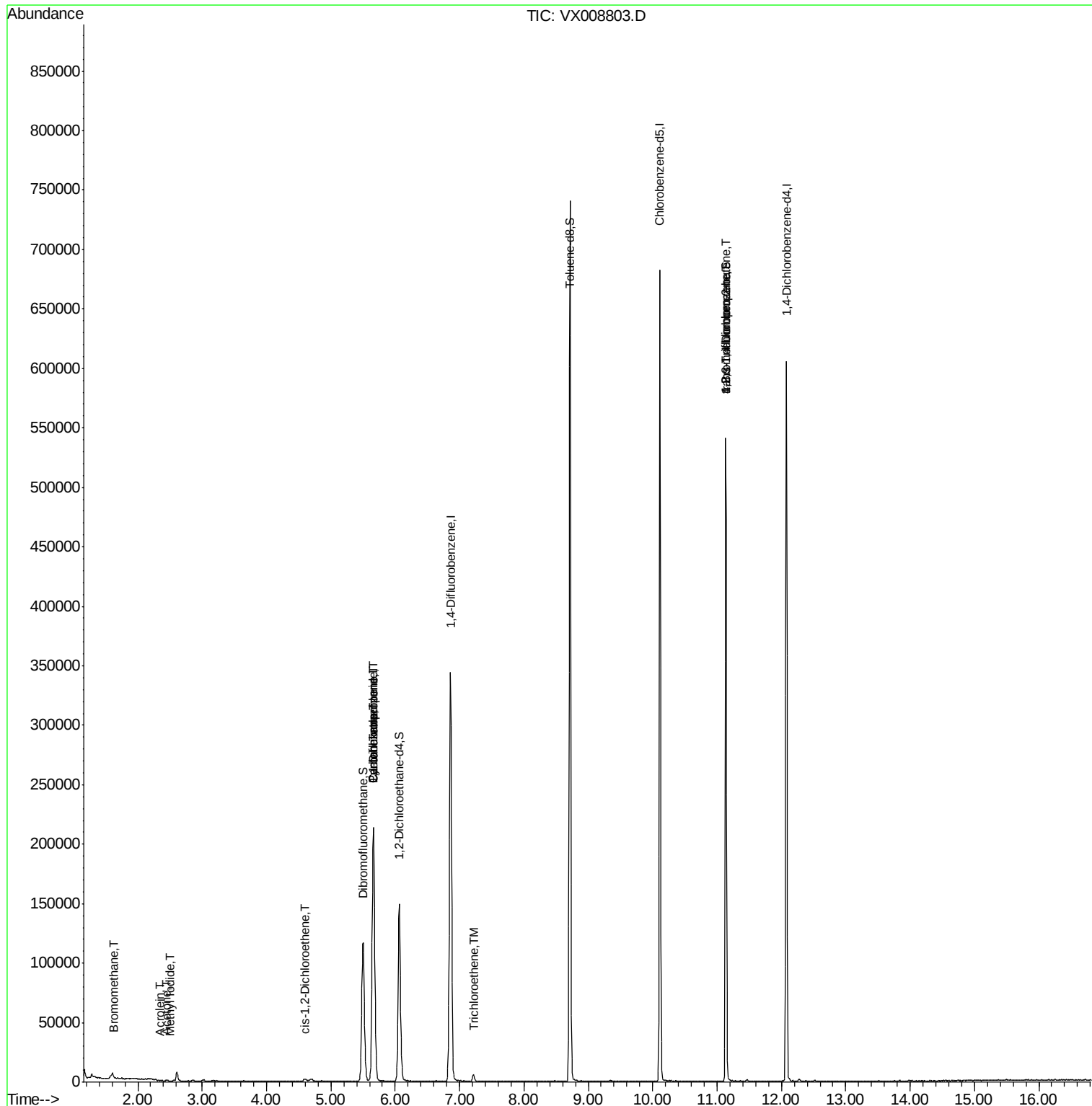
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	388	Below Cal	#	64
5) Bromomethane	1.64	94	349	2.098	ug/l #	62
6) Chloroethane	1.70	64	162	Below Cal	#	43
10) Methyl Iodide	2.51	142	157	4.073	ug/l #	81
13) Acrolein	2.34	56	84	0.241	ug/l #	75
16) Acetone	2.44	43	947	0.547	ug/l #	89
17) Carbon Disulfide	2.57	76	666	Below Cal	#	64
27) cis-1,2-Dichloroethene	4.59	96	1208	0.408	ug/l #	75
28) Bromochloromethane	5.01	49	40	Below Cal	#	22
31) Cyclohexane	5.66	56	4513	0.869	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16528	4.460	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19091	6.224	ug/l #	17
44) Trichloroethene	7.21	130	2228	0.866	ug/l	80
76) 1,2,3-Trichloropropane	11.13	75	71767	20.957	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71767	57.769	ug/l #	9

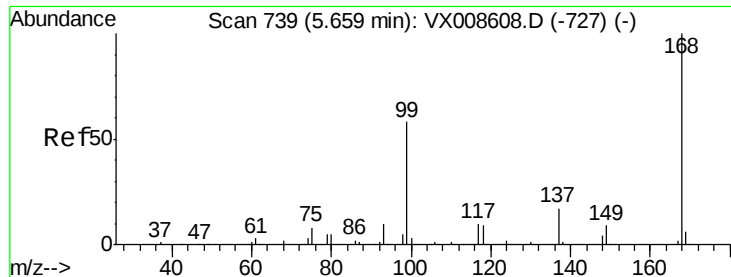
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

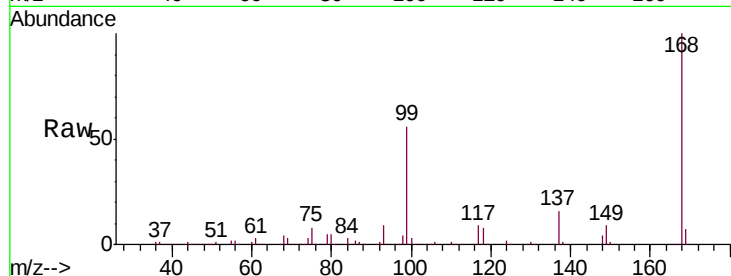
ST008MW040-190408

Tgt Ion:168 Resp: 206128

Ion Ratio Lower Upper

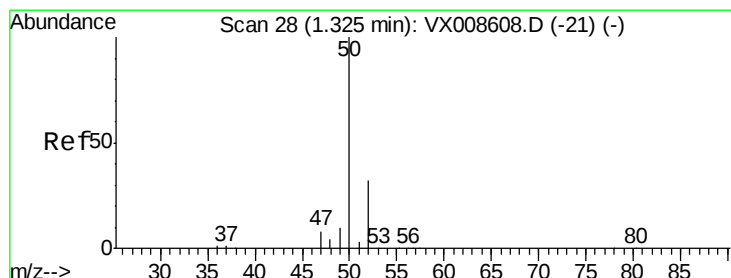
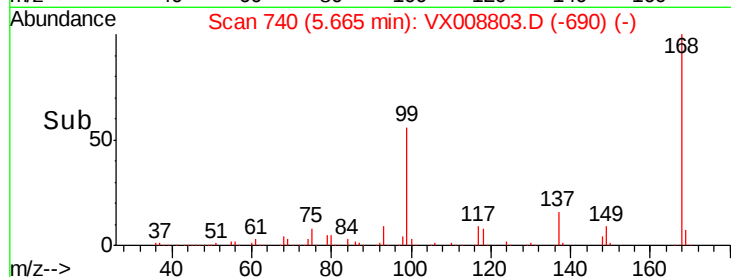
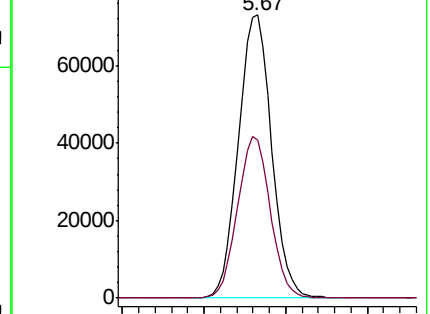
168 100

99 55.6 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: VX008803.D

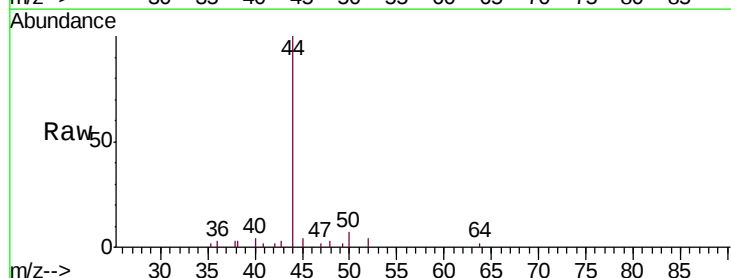
Acq: 10 Apr 2019 14:23

Tgt Ion: 50 Resp: 388

Ion Ratio Lower Upper

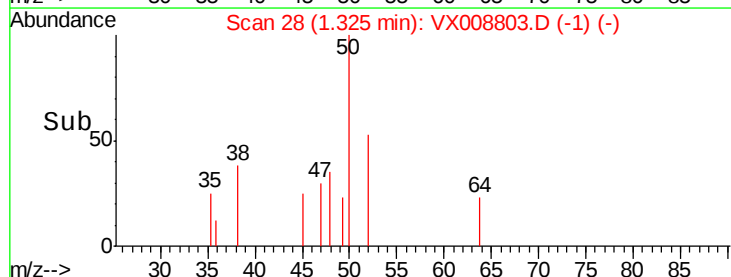
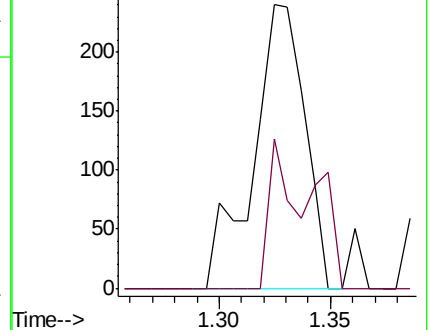
50 100

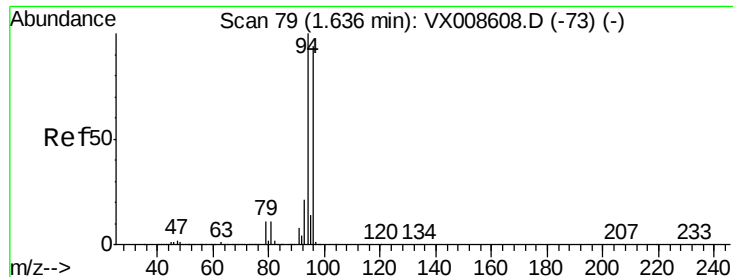
52 52.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.098 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

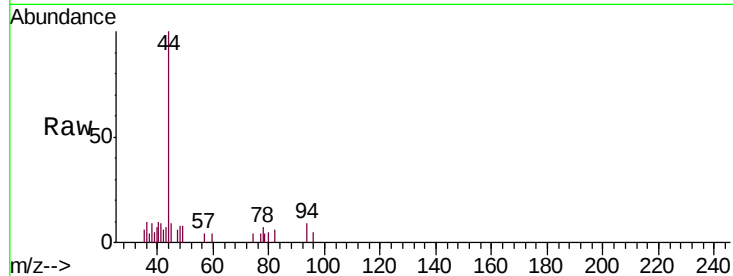
ST008MW040-190408

Tgt Ion: 94 Resp: 349

Ion Ratio Lower Upper

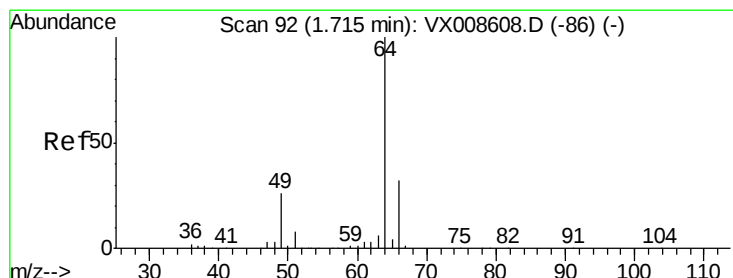
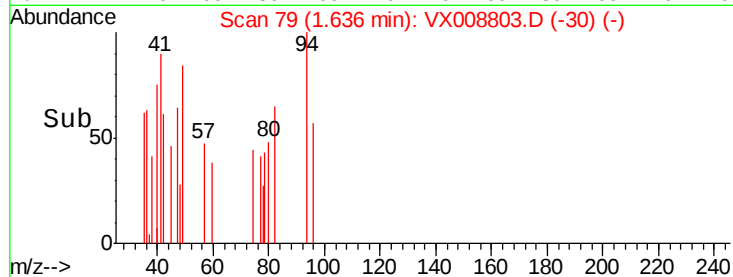
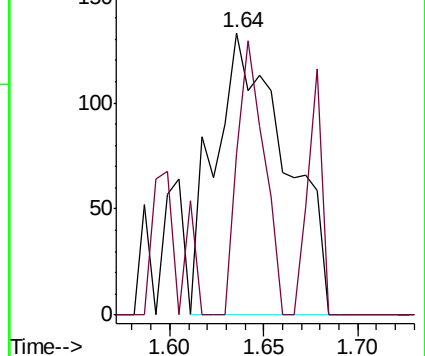
94 100

96 57.1 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: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008803.D

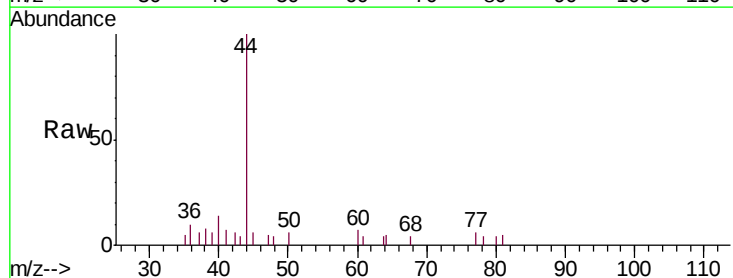
Acq: 10 Apr 2019 14:23

Tgt Ion: 64 Resp: 162

Ion Ratio Lower Upper

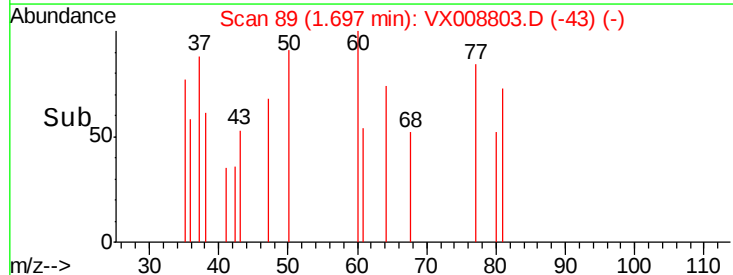
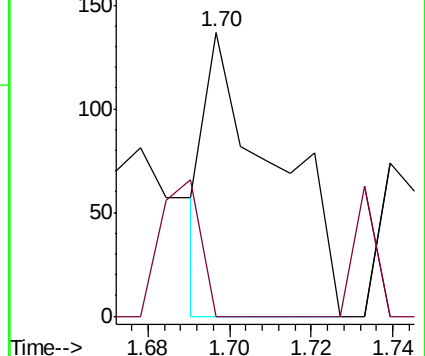
64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

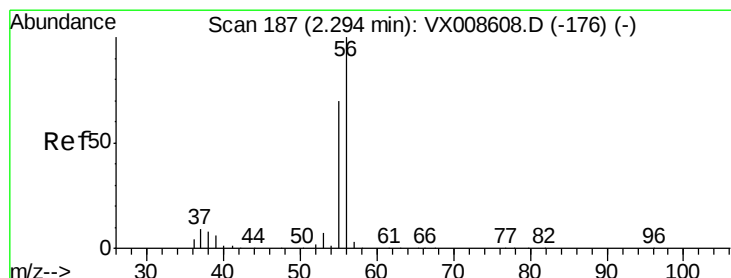
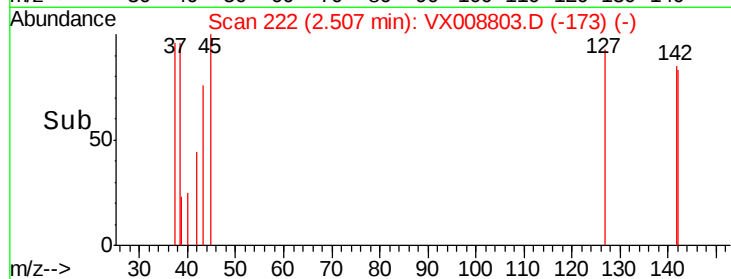
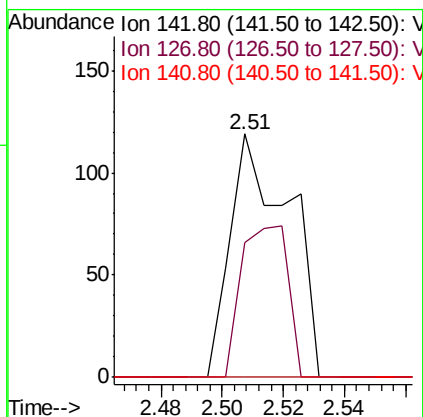
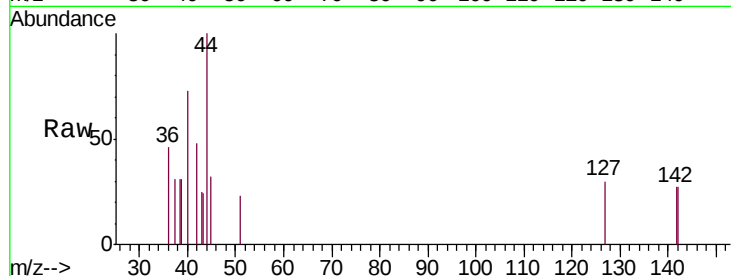




#10
Methyl Iodide
Concen: 4.073 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008803.D
Acq: 10 Apr 2019 14:23

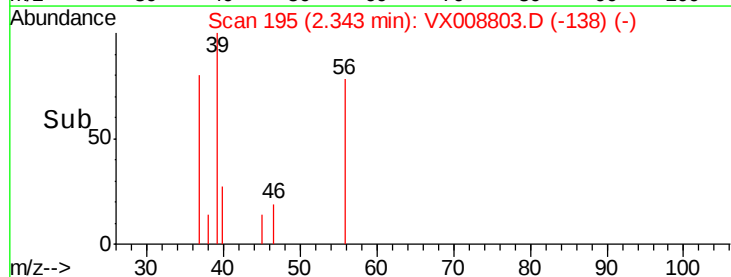
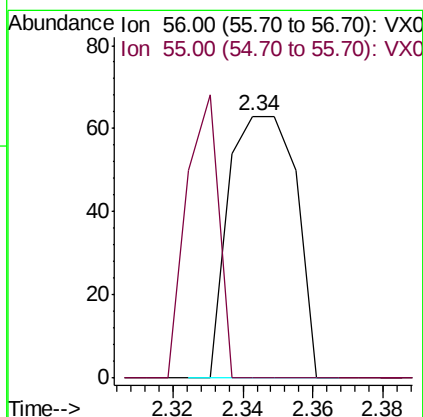
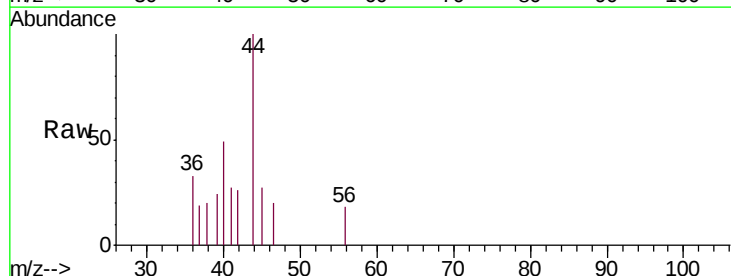
Instrument :
MSVOA_X
ClientSampleId :
ST008MW040-190408

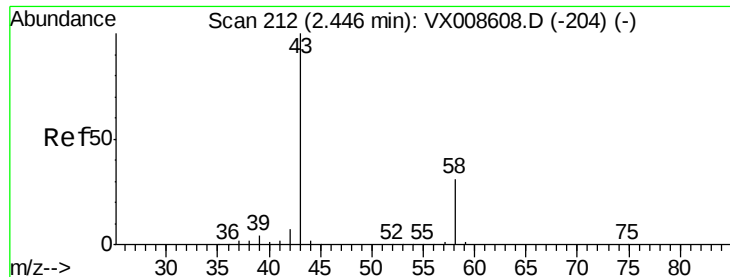
Tgt Ion: 142 Resp: 157
Ion Ratio Lower Upper
142 100
127 49.7 33.0 49.6#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.241 ug/l
RT: 2.34 min Scan# 195
Delta R.T. 0.05 min
Lab File: VX008803.D
Acq: 10 Apr 2019 14:23

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 51.2 58.0 87.0#





#16

Acetone

Concen: 0.547 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

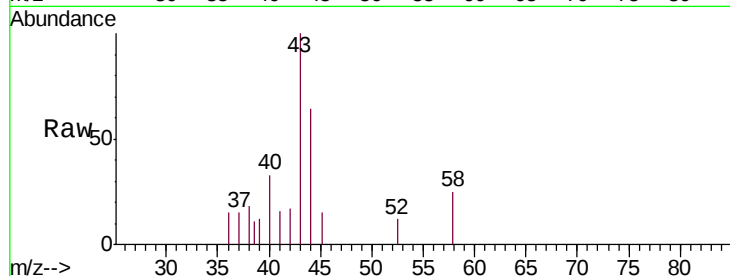
ST008MW040-190408

Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

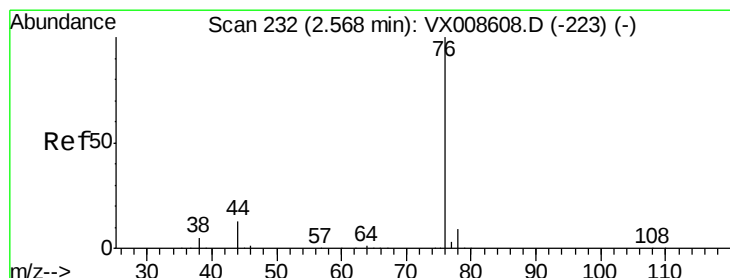
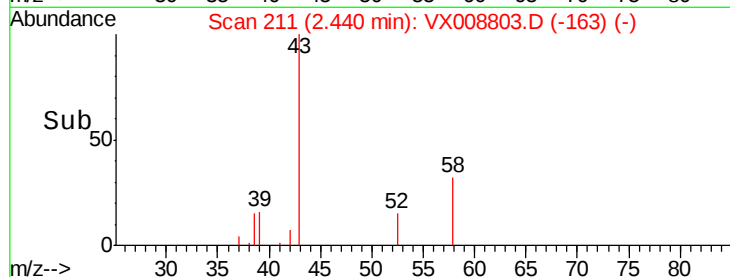
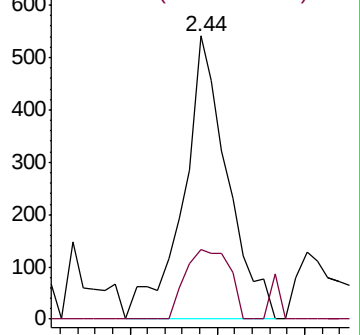
43 100

58 24.8 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008803.D

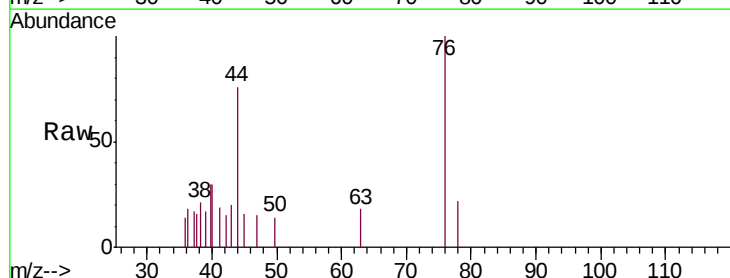
Acq: 10 Apr 2019 14:23

Tgt Ion: 76 Resp: 666

Ion Ratio Lower Upper

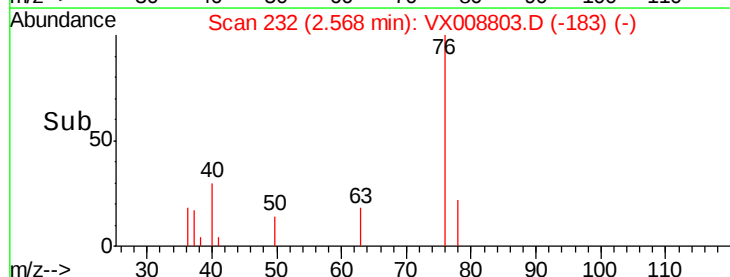
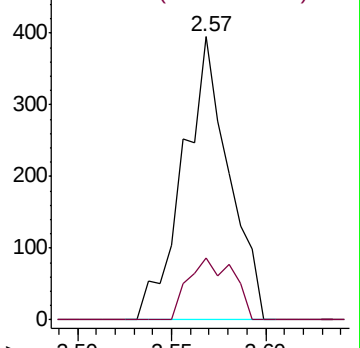
76 100

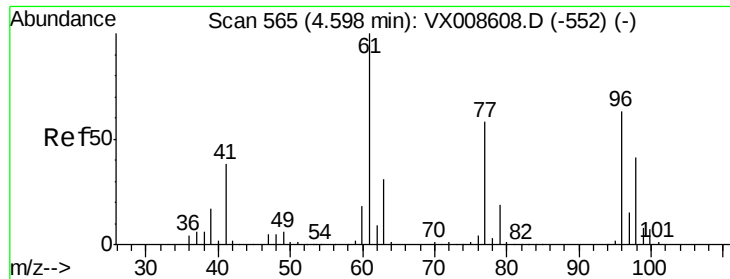
78 22.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



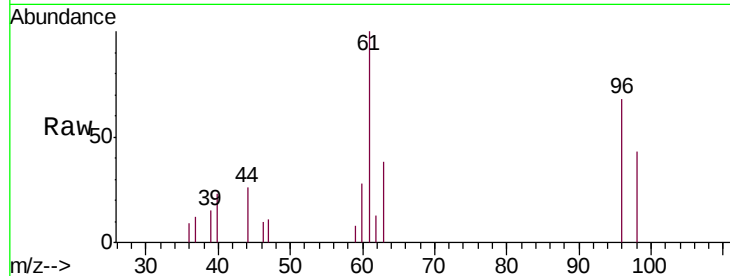


#27

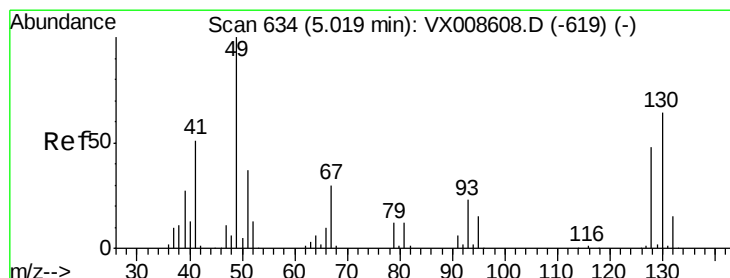
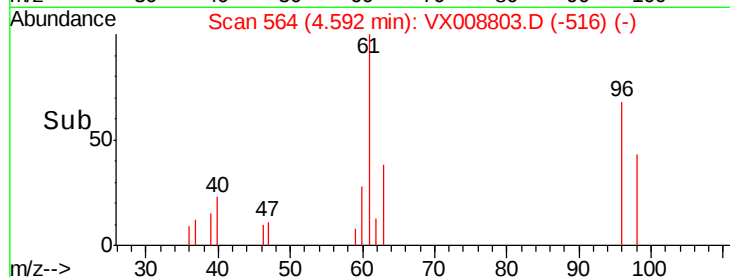
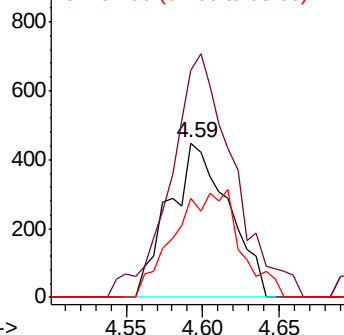
cis-1,2-Dichloroethene
 Concen: 0.408 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW040-190408

Tgt Ion: 96 Resp: 1208
 Ion Ratio Lower Upper
 96 100
 61 167.5 0.0 327.6
 98 0.0 0.0 128.6



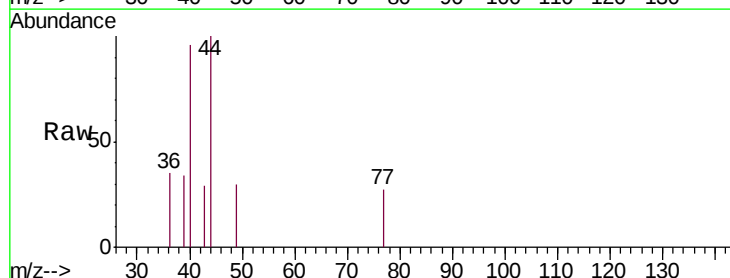
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



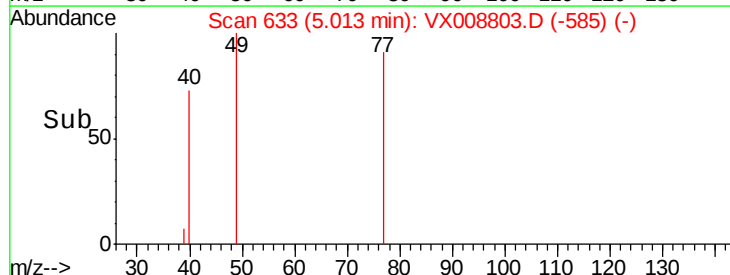
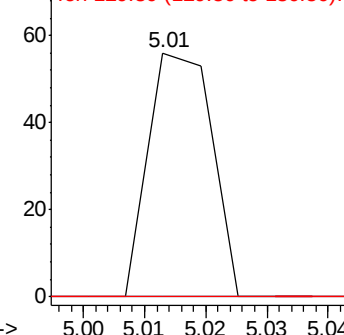
#28

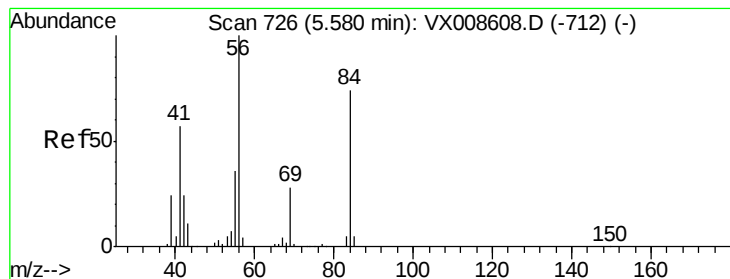
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Tgt Ion: 49 Resp: 40
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#



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





#31

Cyclohexane

Concen: 0.869 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-190408

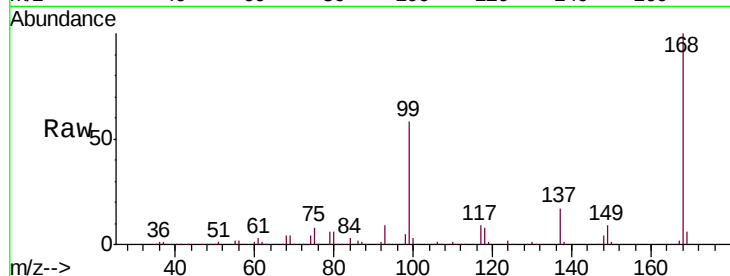
Tgt Ion: 56 Resp: 4513

Ion Ratio Lower Upper

56 100

69 200.9 22.6 33.8#

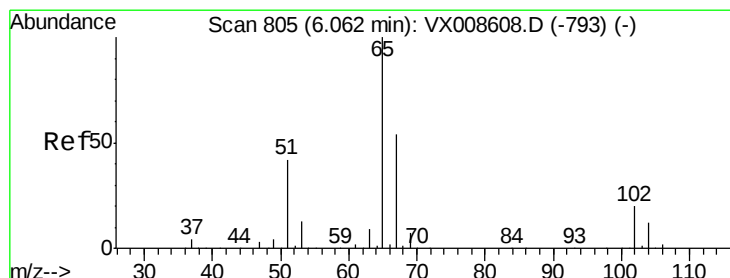
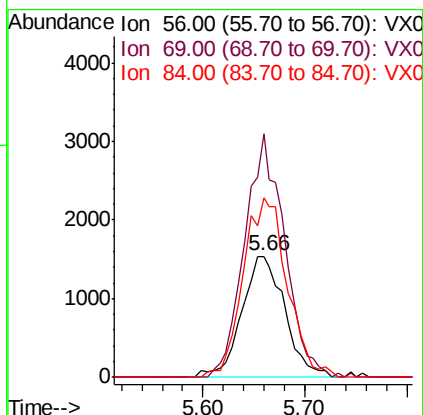
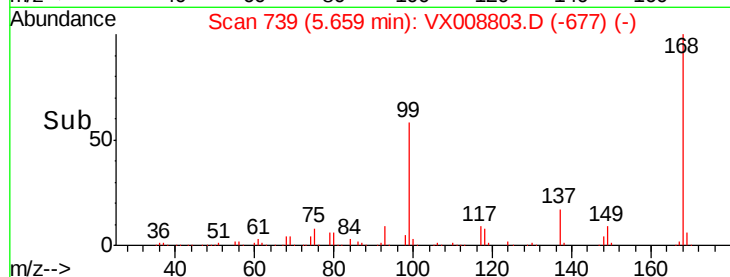
84 148.5 59.3 88.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.913 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008803.D

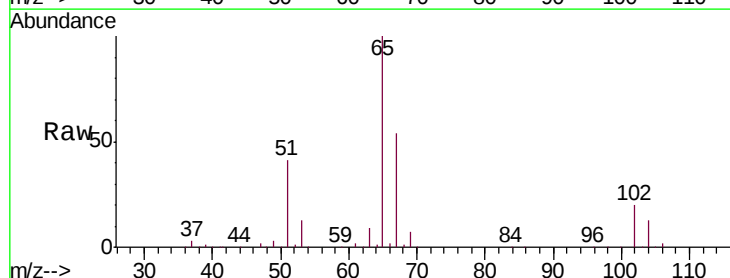
Acq: 10 Apr 2019 14:23

Tgt Ion: 65 Resp: 138038

Ion Ratio Lower Upper

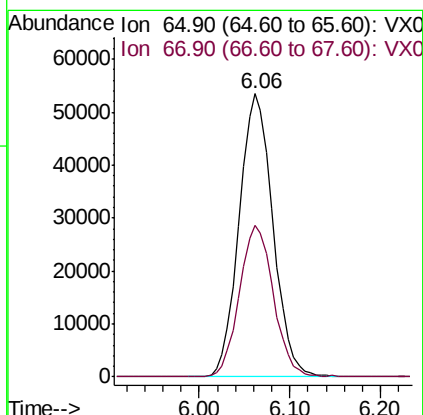
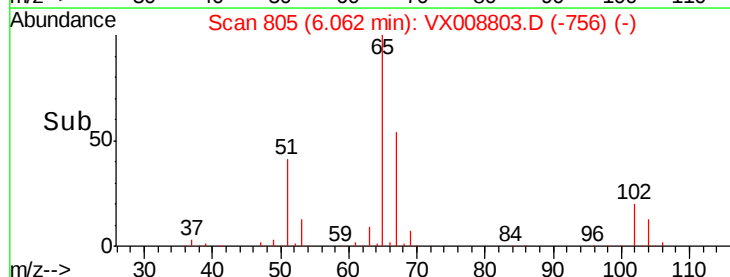
65 100

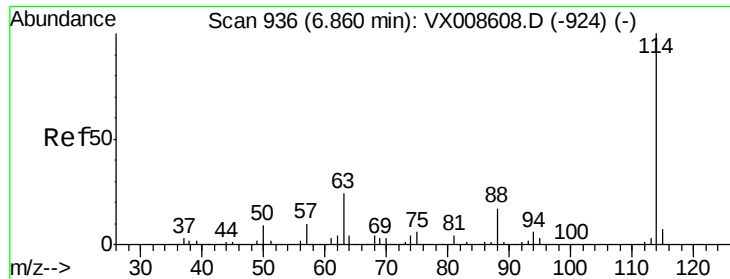
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

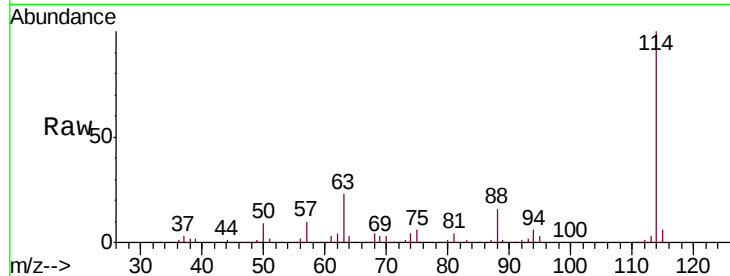




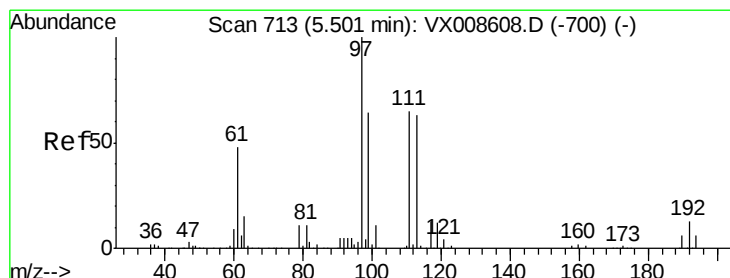
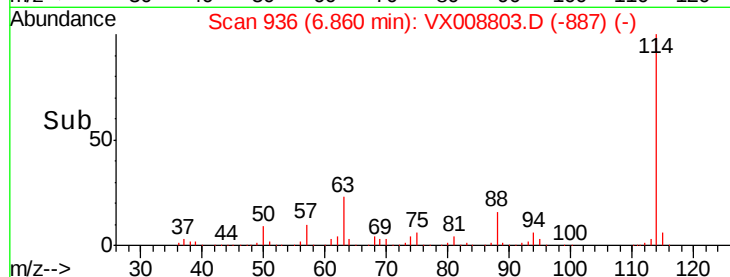
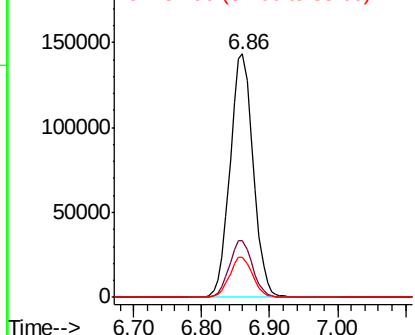
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW040-190408

Tgt Ion:114 Resp: 339030
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.4 0.0 34.0

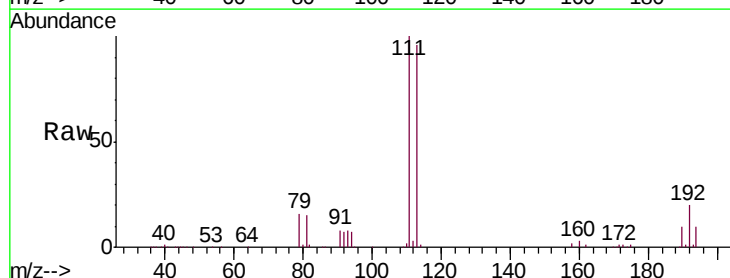


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

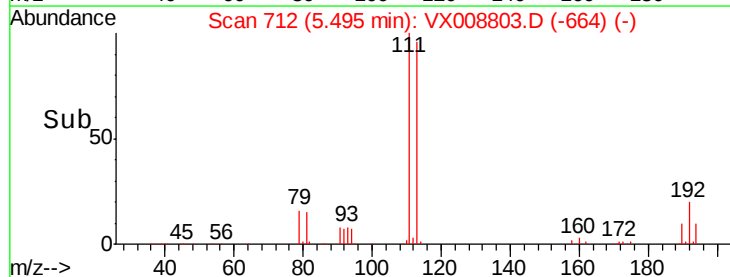
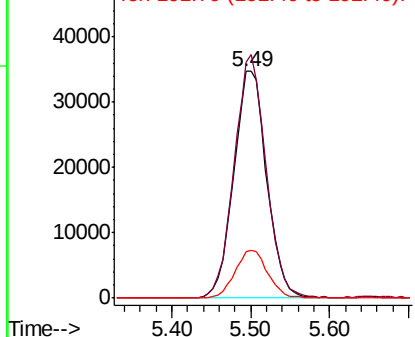


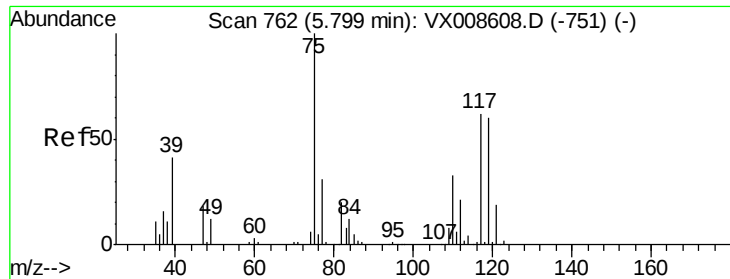
#35
 Dibromofluoromethane
 Concen: 46.591 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Tgt Ion:113 Resp: 100993
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 20.8 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: 4.460 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-190408

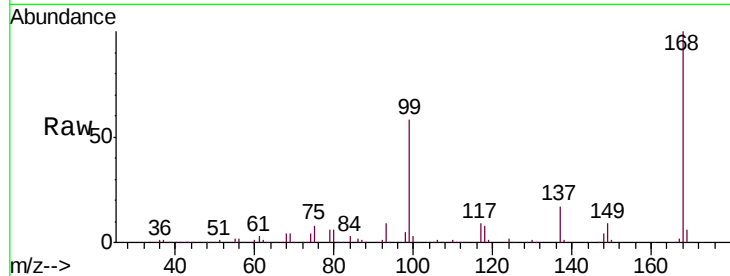
Tgt Ion: 75 Resp: 16528

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.2#

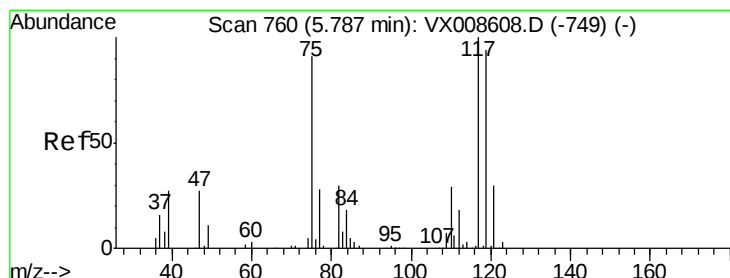
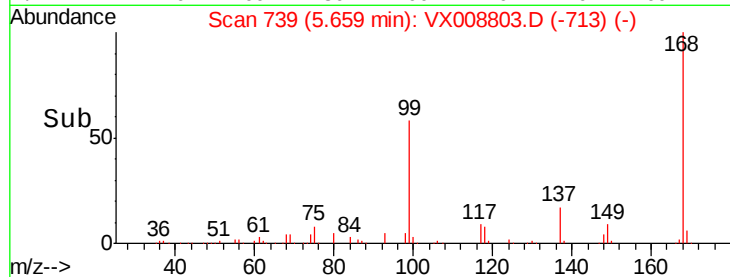
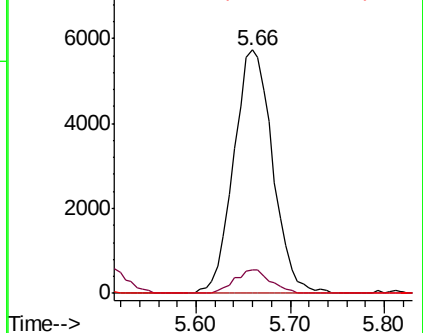
77 0.0 24.7 37.1#



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: 6.224 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

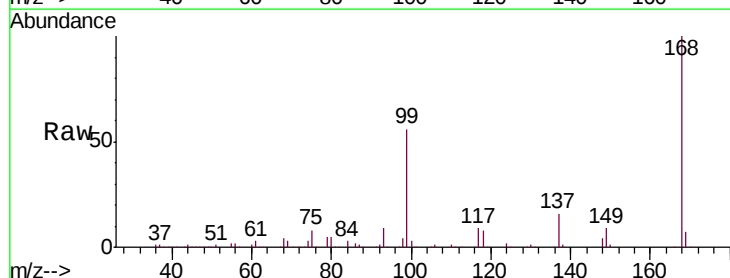
Tgt Ion: 117 Resp: 19091

Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

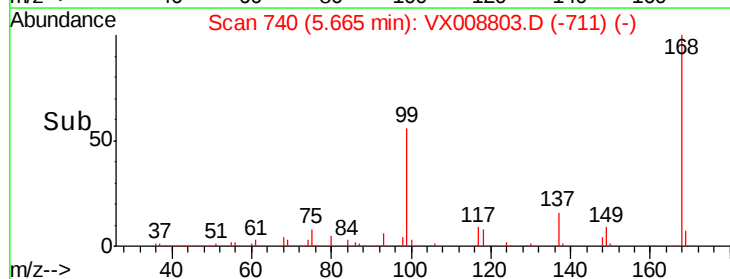
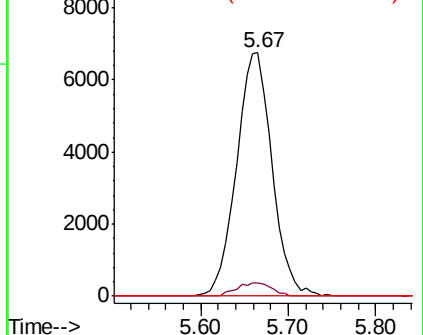
121 0.0 24.3 36.5#

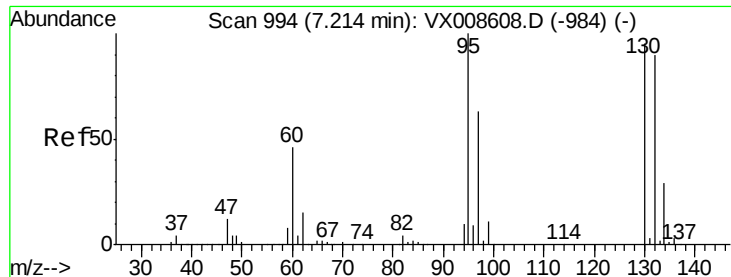


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

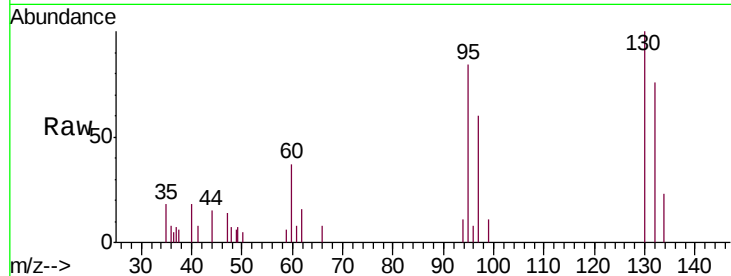




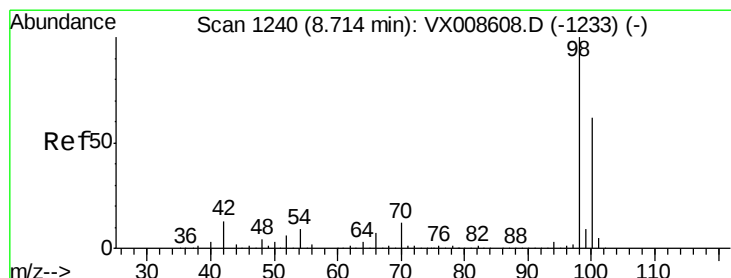
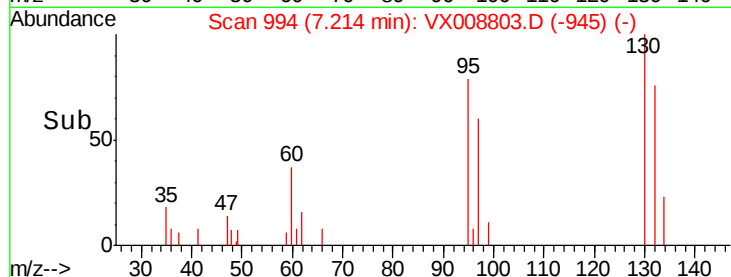
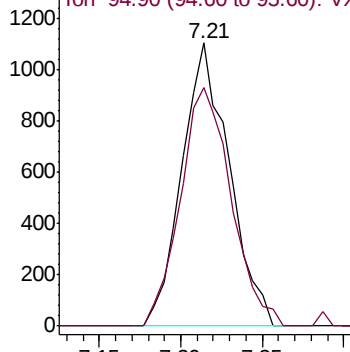
#44
 Trichloroethene
 Concen: 0.866 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW040-190408

Tgt Ion:130 Resp: 2228
 Ion Ratio Lower Upper
 130 100
 95 84.4 0.0 209.8

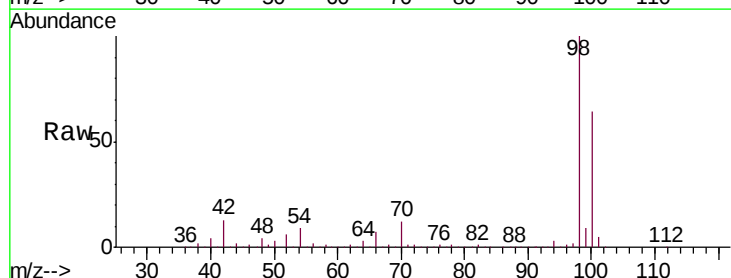


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

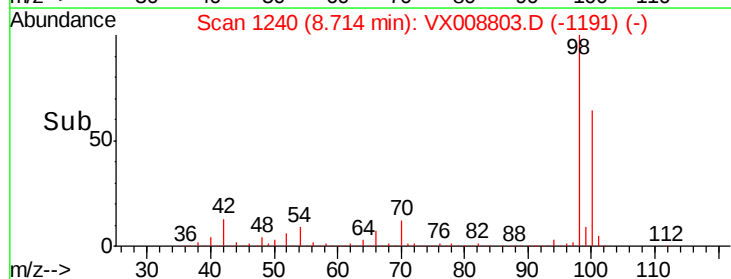
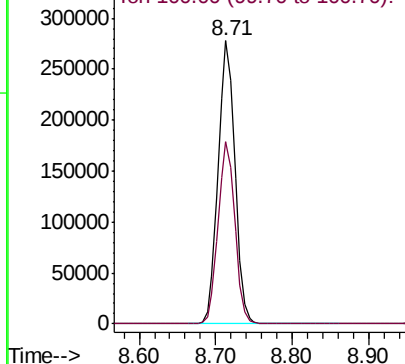


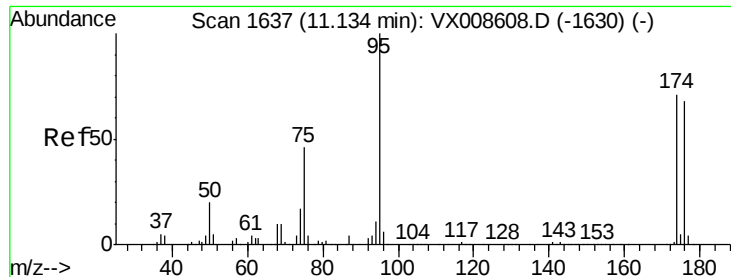
#50
 Toluene-d8
 Concen: 49.167 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX008803.D
 Acq: 10 Apr 2019 14:23

Tgt Ion: 98 Resp: 424355
 Ion Ratio Lower Upper
 98 100
 100 64.2 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: 46.673 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-190408

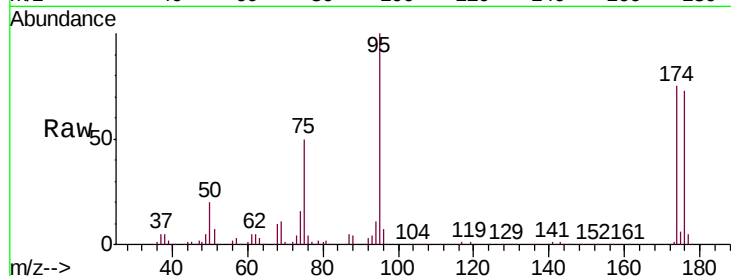
Tgt Ion: 95 Resp: 142850

Ion Ratio Lower Upper

95 100

174 78.3 0.0 151.8

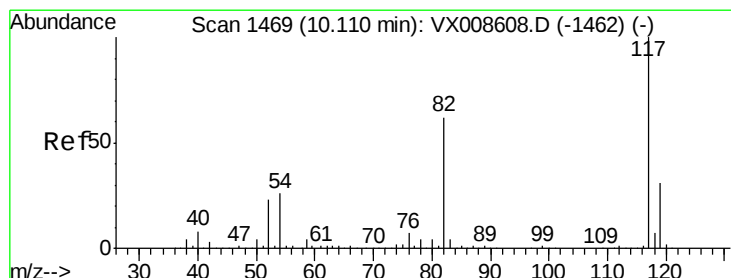
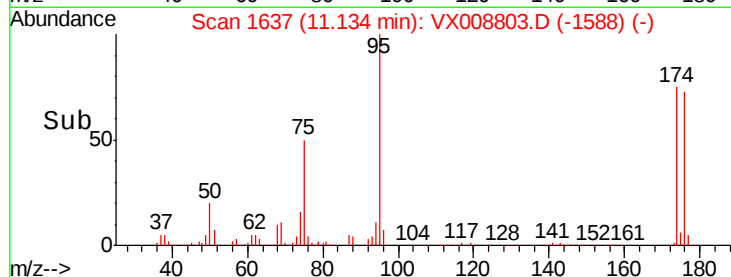
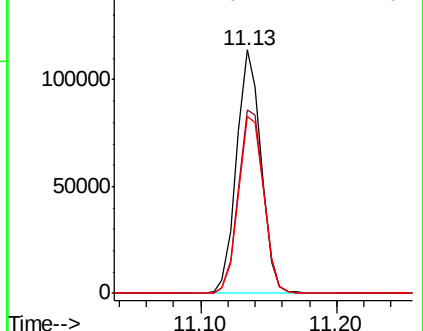
176 75.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

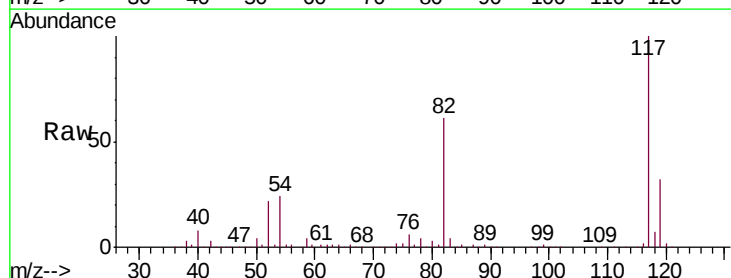
Tgt Ion: 117 Resp: 295424

Ion Ratio Lower Upper

117 100

82 60.9 49.6 74.4

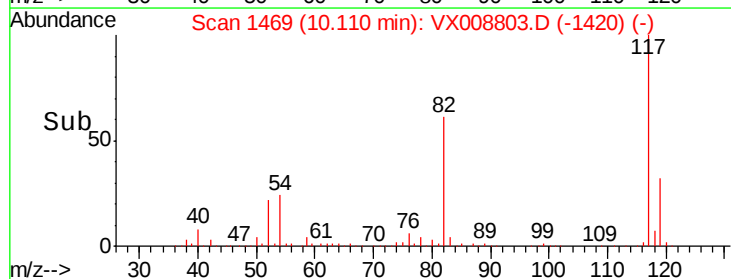
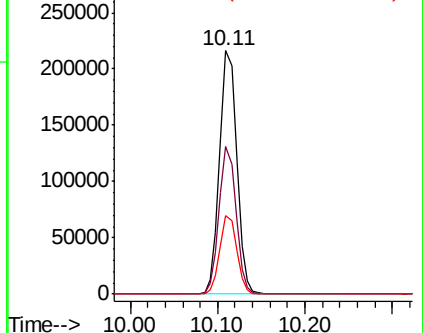
119 32.2 25.0 37.4

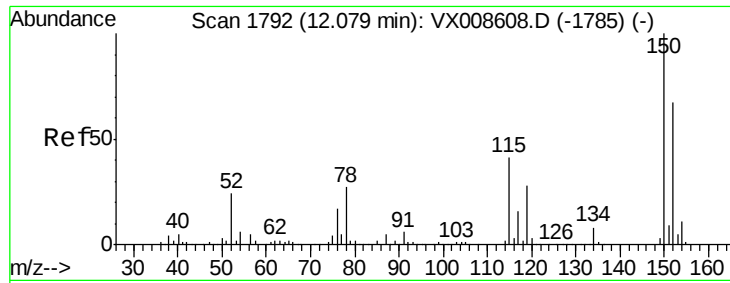


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-190408

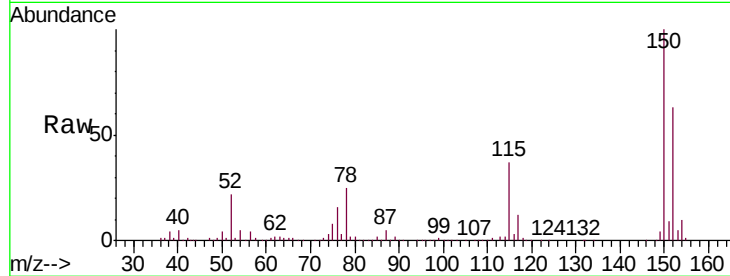
Tgt Ion:152 Resp: 124658

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

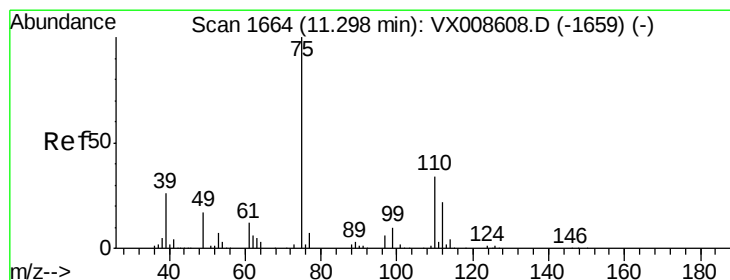
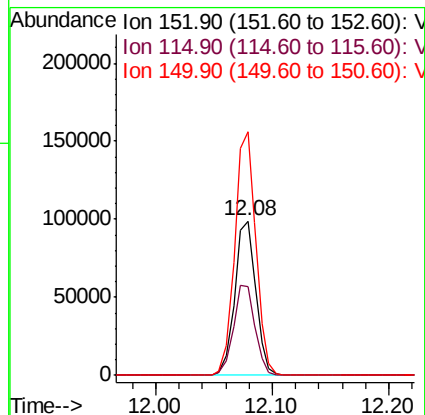
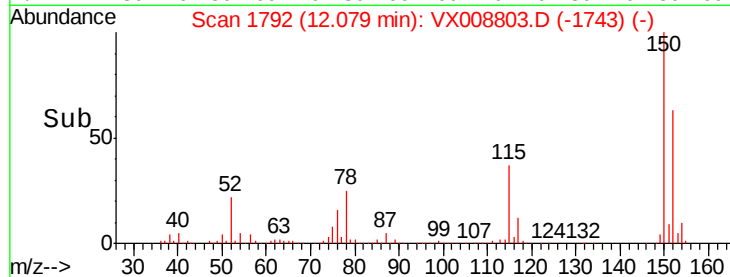
150 157.6 0.0 348.8



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: 20.957 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008803.D

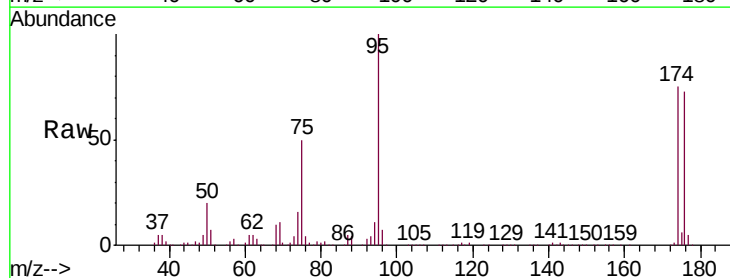
Acq: 10 Apr 2019 14:23

Tgt Ion: 75 Resp: 71767

Ion Ratio Lower Upper

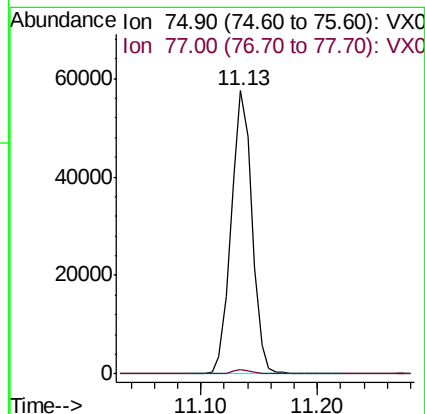
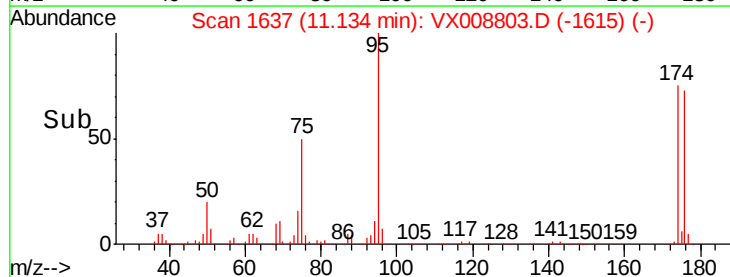
75 100

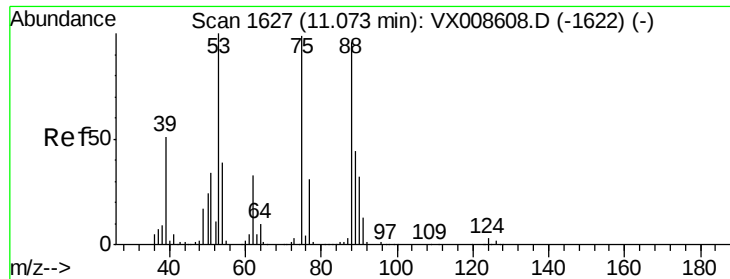
77 1.3 22.3 66.8#



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: 57.769 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008803.D

Acq: 10 Apr 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW040-190408

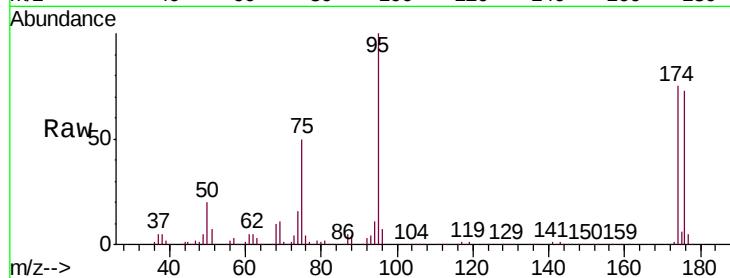
Tgt Ion: 75 Resp: 71767

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

