

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008725.D
 Acq On : 06 Apr 2019 17:01
 Operator : JC/SP
 Sample : K2295-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-190404

Quant Time: Apr 08 01:55:37 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	204132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121857	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	140730	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	5.50	113	102896	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	8.71	98	424991	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	140530	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

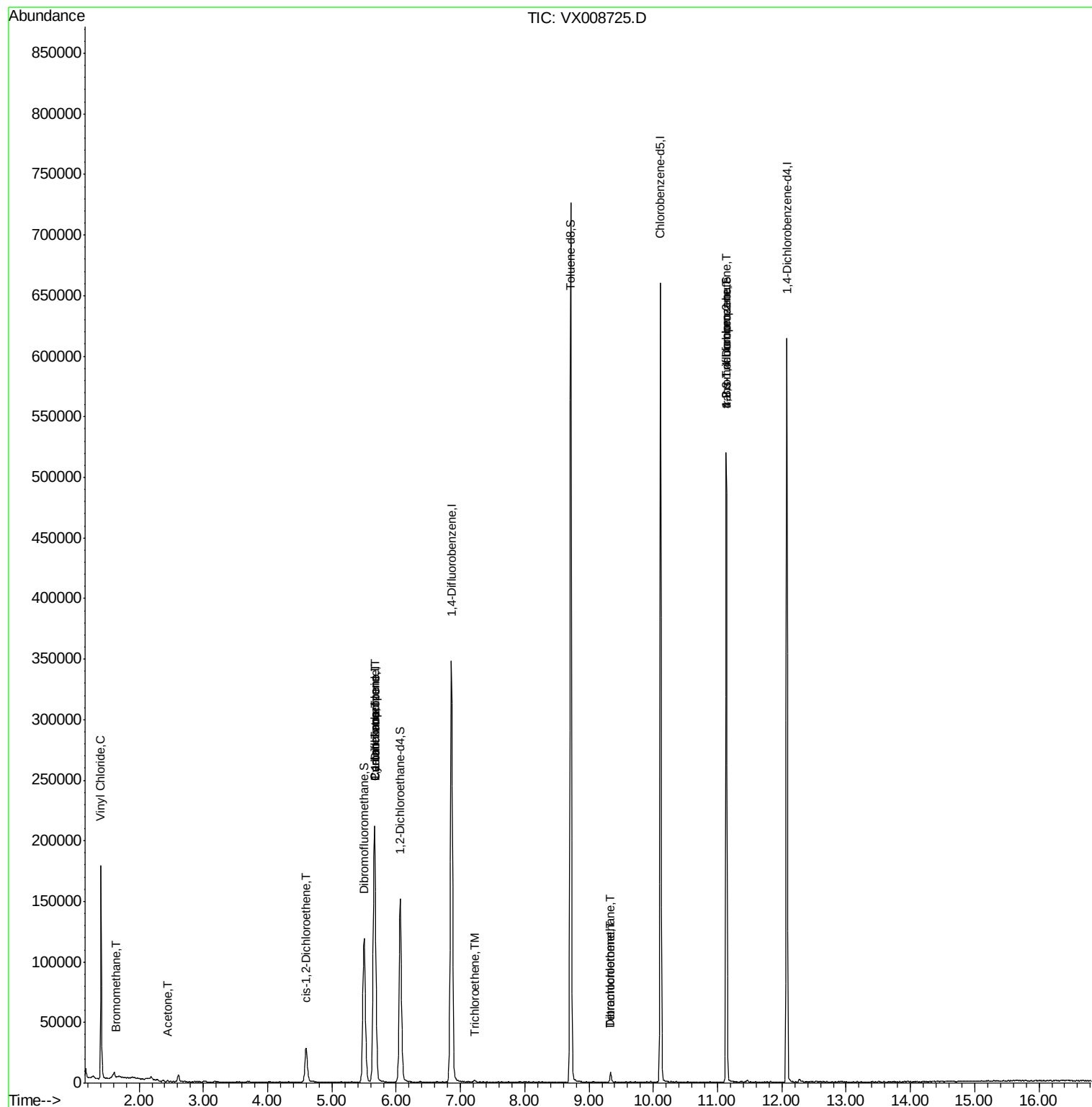
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	301	Below Cal	#	65
4) Vinyl Chloride	1.40	62	118821	37.407	ug/l	98
5) Bromomethane	1.65	94	266	2.049	ug/l #	78
6) Chloroethane	1.68	64	739	Below Cal	#	43
16) Acetone	2.44	43	823	0.480	ug/l #	74
17) Carbon Disulfide	2.57	76	529	Below Cal	#	28
27) cis-1,2-Dichloroethene	4.60	96	17654	6.015	ug/l	89
28) Bromochloromethane	5.12	49	19	Below Cal	#	22
31) Cyclohexane	5.67	56	4739	0.921	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16570	4.474	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19629	6.404	ug/l #	17
44) Trichloroethene	7.22	130	600	0.233	ug/l	70
60) Dibromochloromethane	9.34	129	1281	0.521	ug/l #	11
64) Tetrachloroethene	9.34	164	1514	0.697	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	71520	21.365	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71520	58.894	ug/l #	9

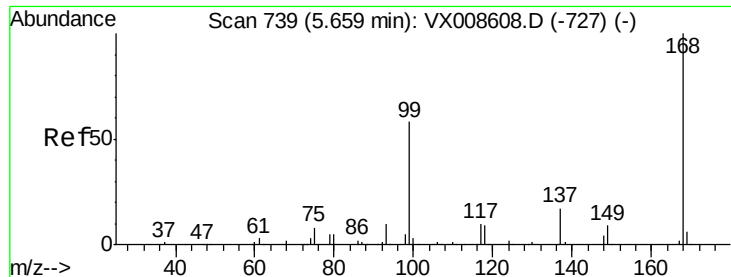
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040619\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

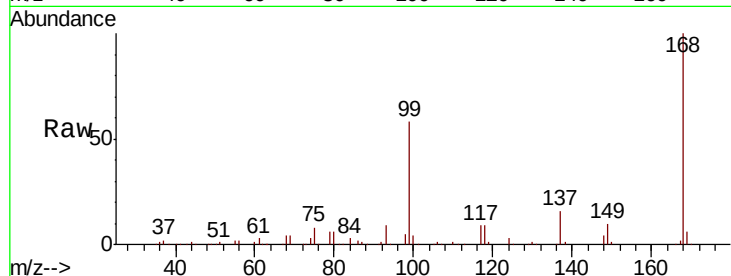
ST008MW157-190404

Tot Ion:168 Resp: 204132

Ion Ratio Lower Upper

168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

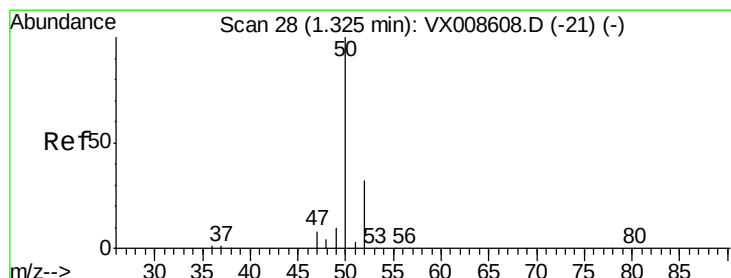
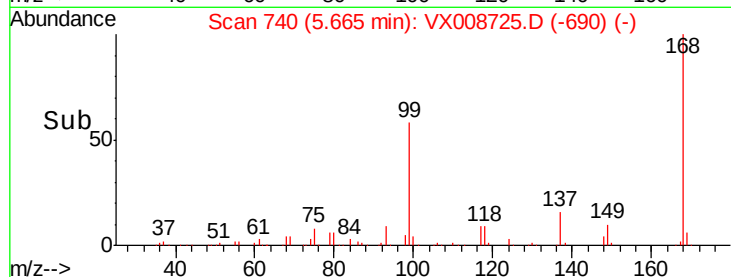
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008725.D

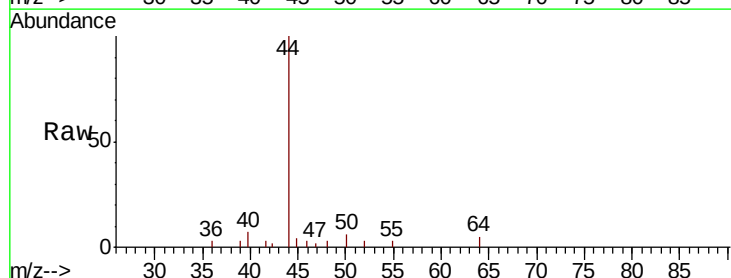
Acq: 06 Apr 2019 17:01

Tgt Ion: 50 Resp: 301

Ion Ratio Lower Upper

50 100

52 52.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

200

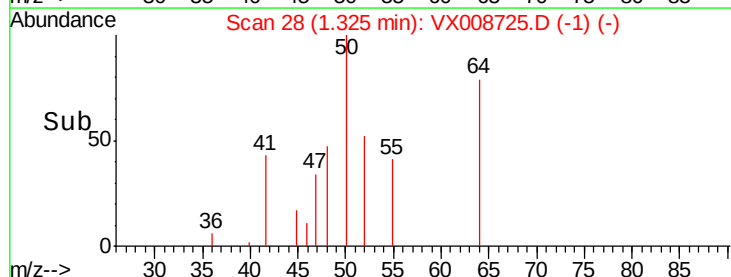
150

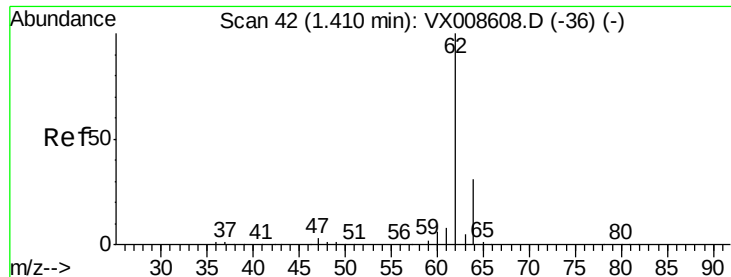
100

50

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 37.407 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

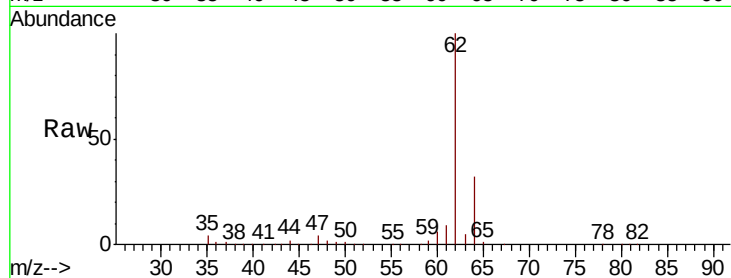
ST008MW157-190404

Tot Ion: 62 Resp: 118821

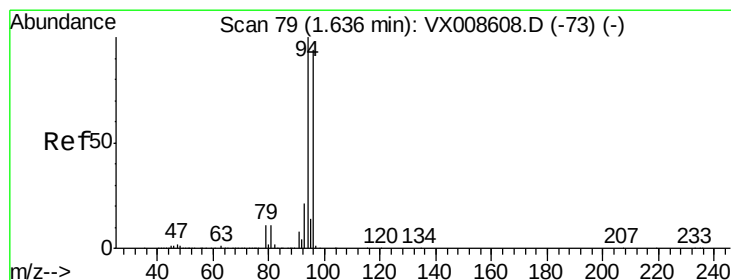
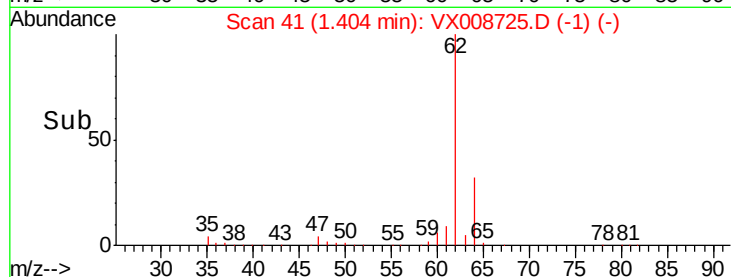
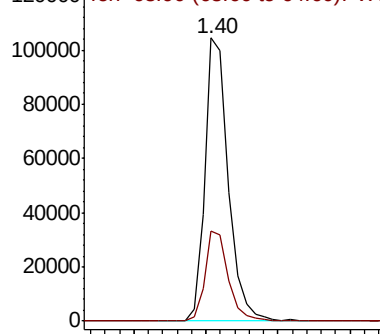
Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.049 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX008725.D

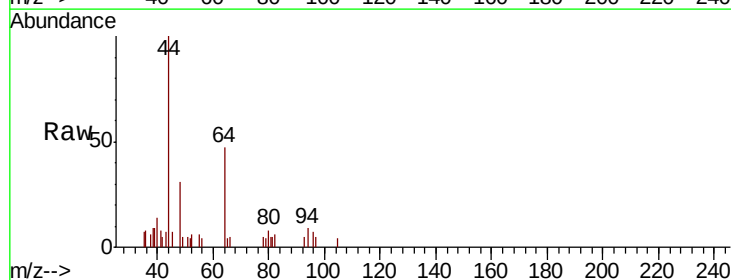
Acq: 06 Apr 2019 17:01

Tgt Ion: 94 Resp: 266

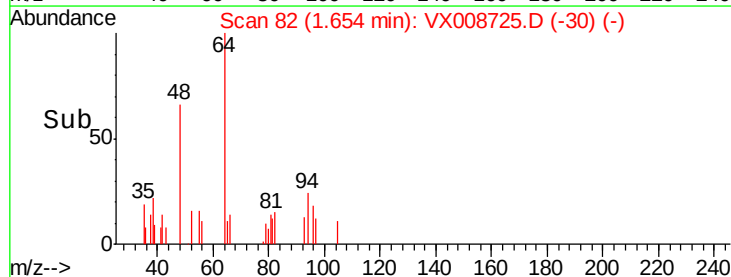
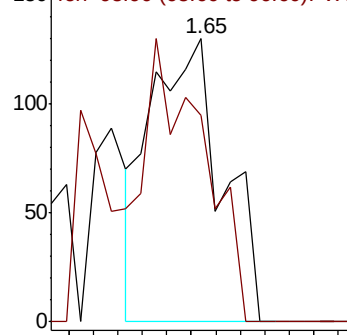
Ion Ratio Lower Upper

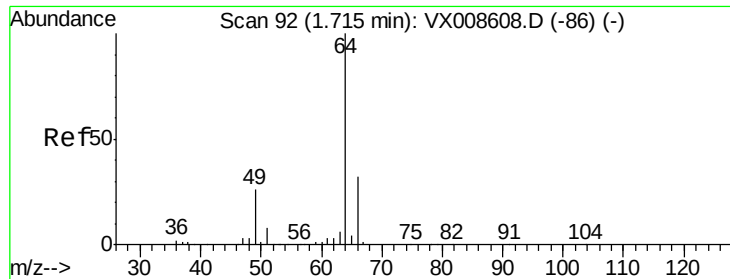
94 100

96 73.1 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: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

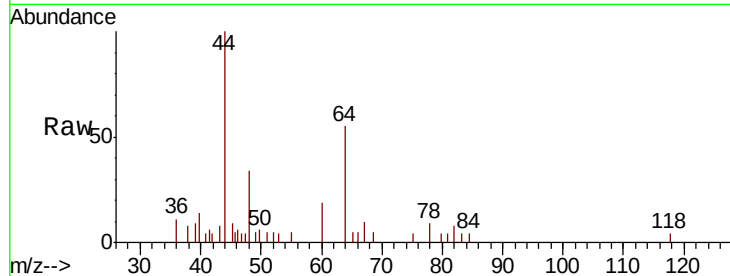
ST008MW157-190404

Tot Ion: 64 Resp: 739

Ion Ratio Lower Upper

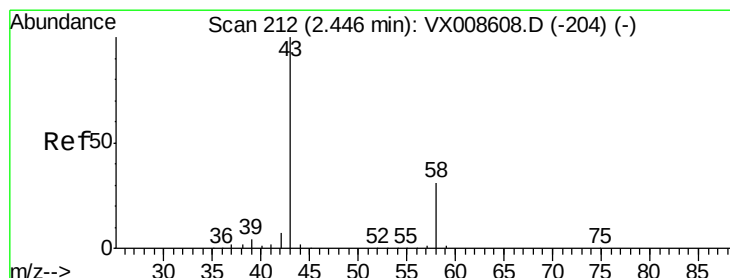
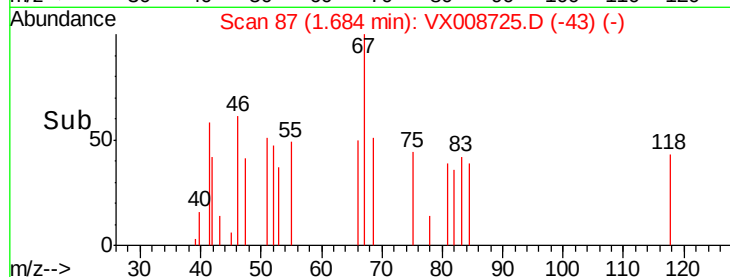
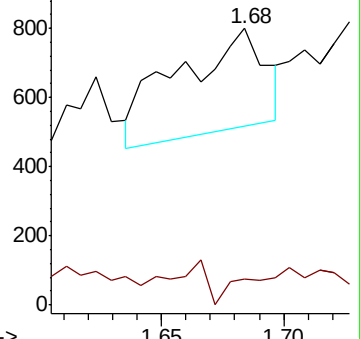
64 100

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



#16

Acetone

Concen: 0.480 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008725.D

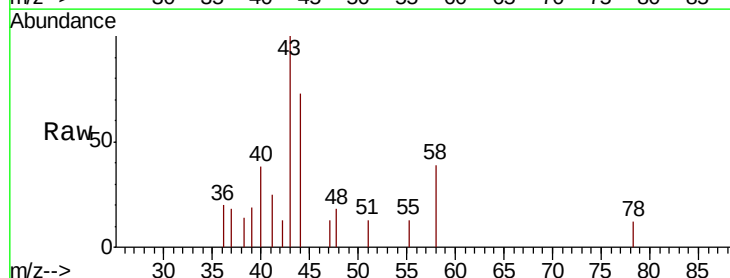
Acq: 06 Apr 2019 17:01

Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

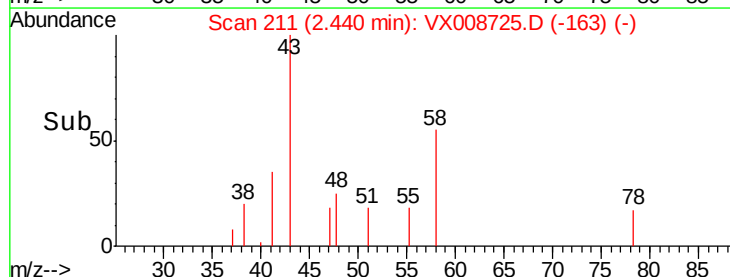
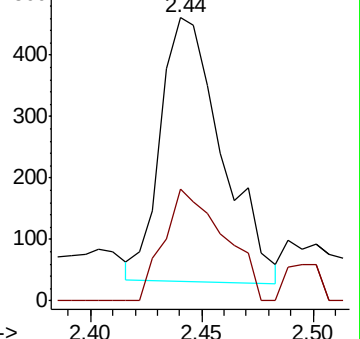
43 100

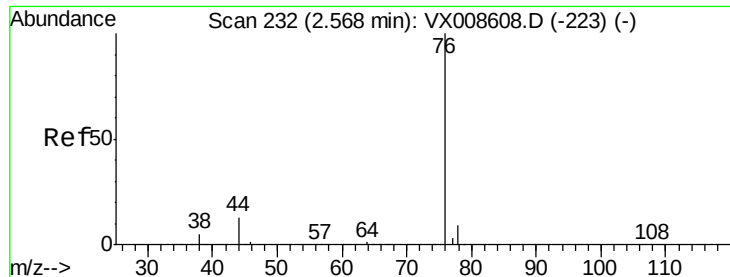
58 45.4 24.8 37.2#



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# 233

Delta R.T. 0.01 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

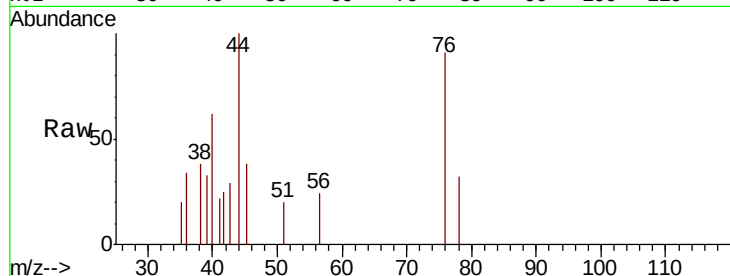
ST008MW157-190404

Tot Ion: 76 Resp: 529

Ion Ratio Lower Upper

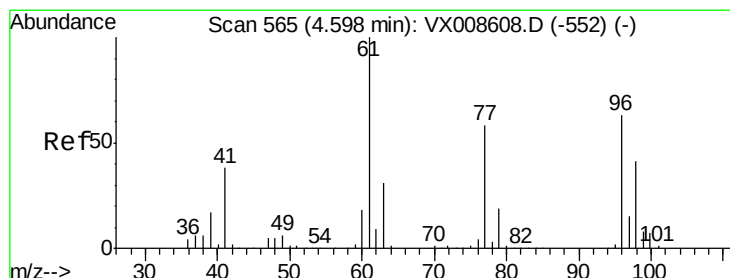
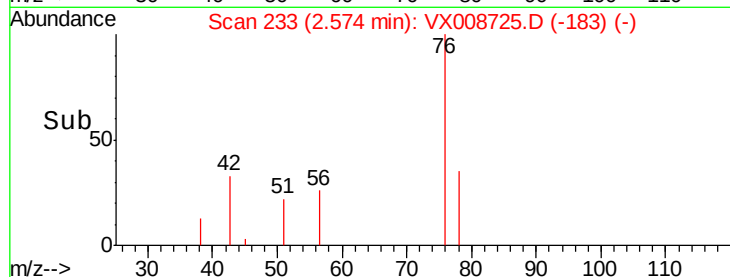
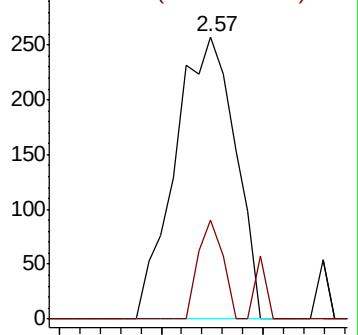
76 100

78 34.9 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: 6.015 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

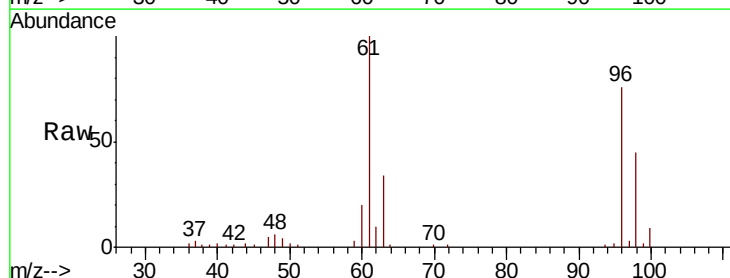
Tgt Ion: 96 Resp: 17654

Ion Ratio Lower Upper

96 100

61 143.5 0.0 327.6

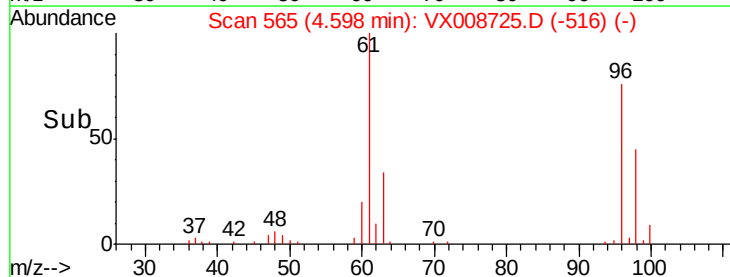
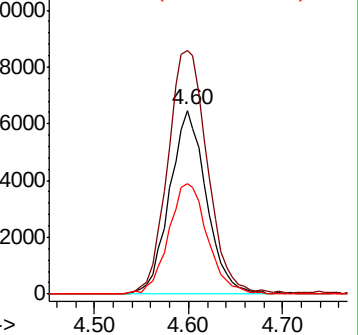
98 63.9 0.0 128.6

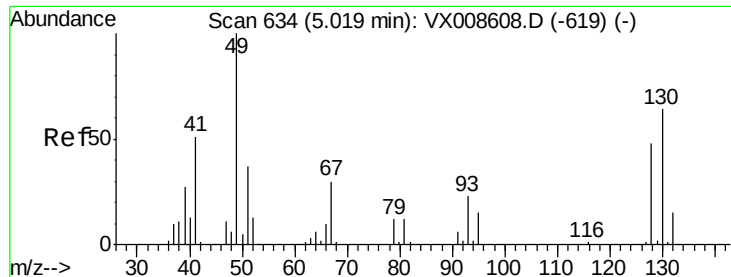


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.12 min Scan# 650

Delta R.T. 0.10 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

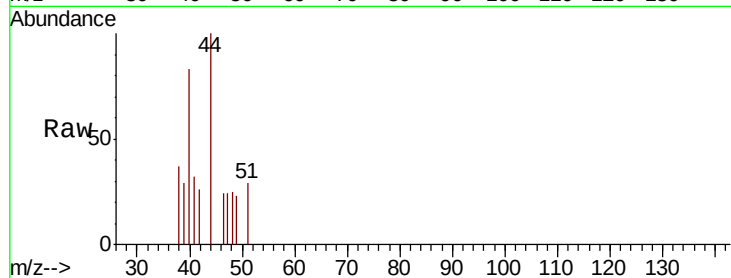
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

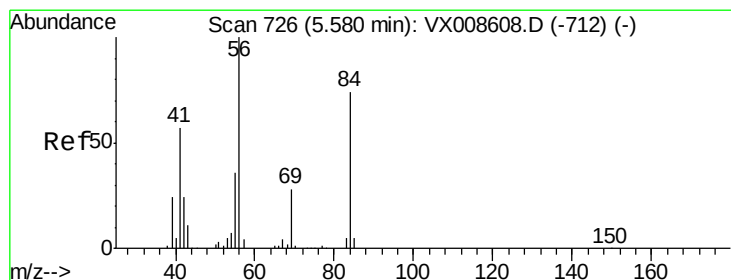
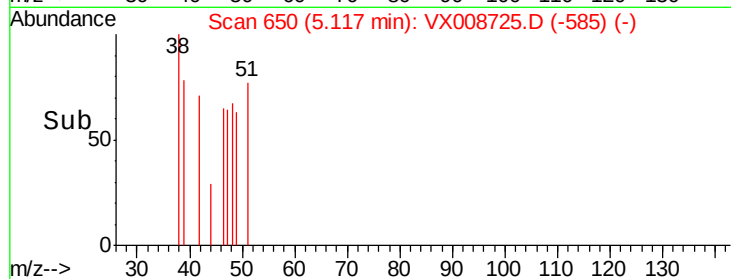
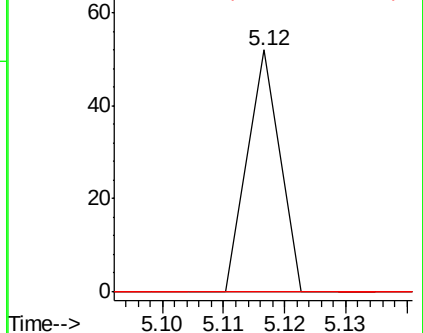
130 0.0 49.3 73.9#



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: 0.921 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

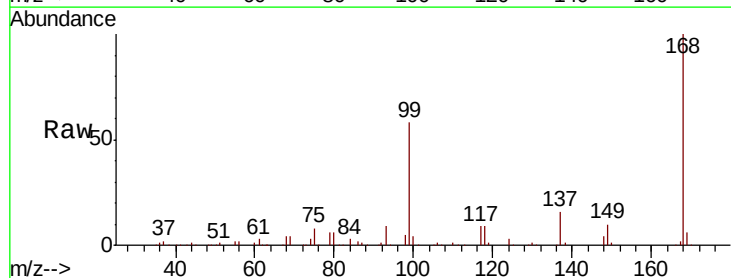
Tgt Ion: 56 Resp: 4739

Ion Ratio Lower Upper

56 100

69 171.3 22.6 33.8#

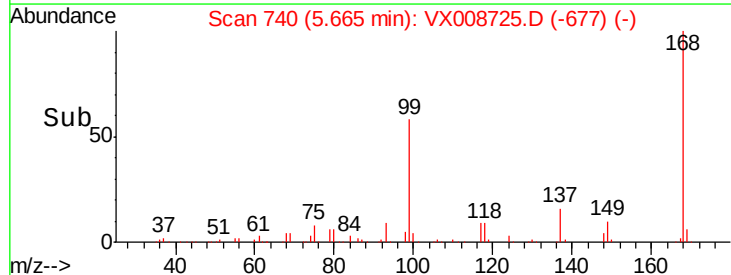
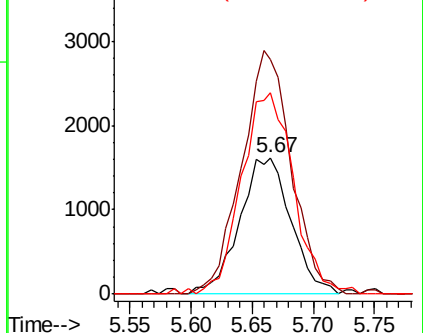
84 143.1 59.3 88.9#

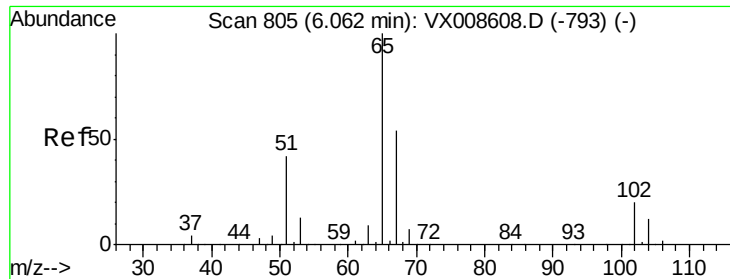


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

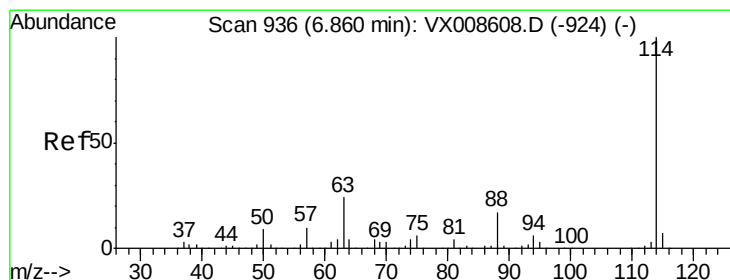
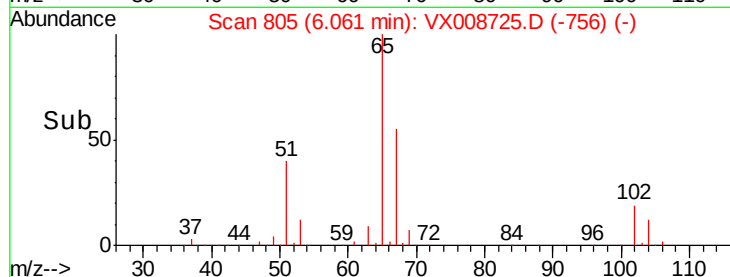
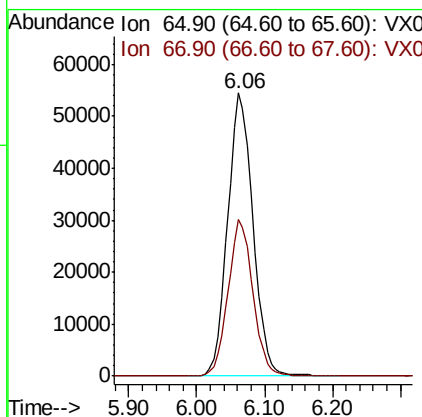
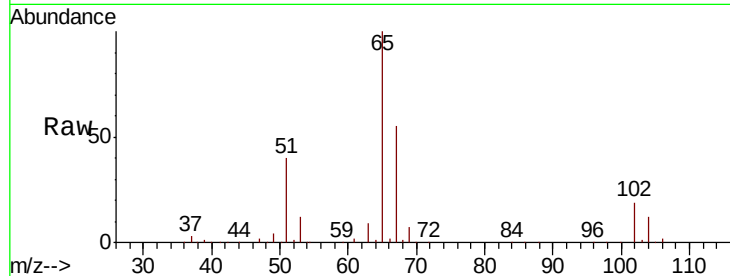




#33
 1,2-Dichloroethane-d4
 Concen: 47.266 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008725.D
 Acq: 06 Apr 2019 17:01

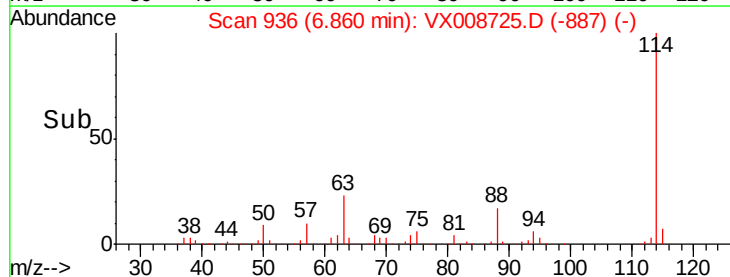
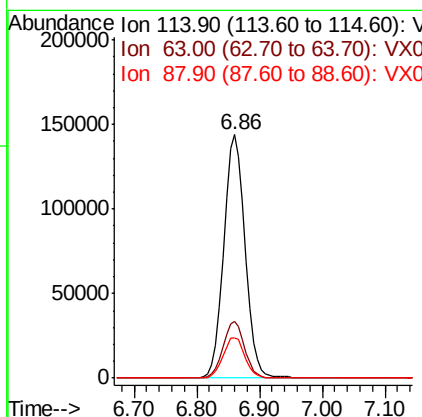
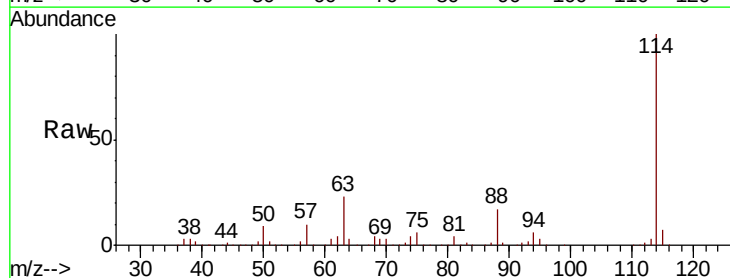
Instrument :
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 ST008MW157-190404

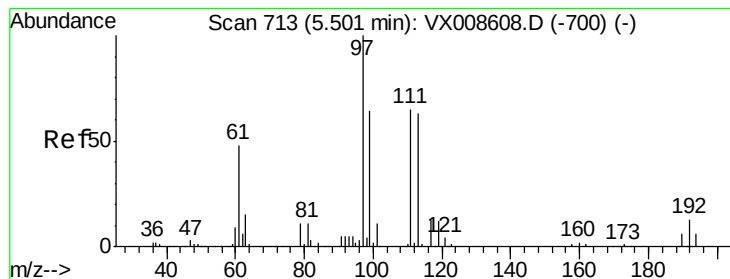
Tot Ion: 65 Resp: 140730
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008725.D
 Acq: 06 Apr 2019 17:01

Tgt Ion: 114 Resp: 338796
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 47.2
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.502 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

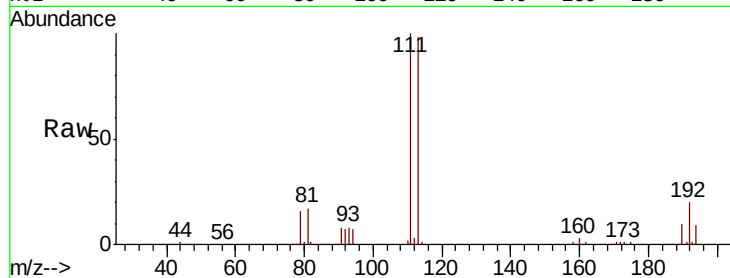
Tot Ion:113 Resp: 102896

Ion Ratio Lower Upper

113 100

111 101.0 83.4 125.2

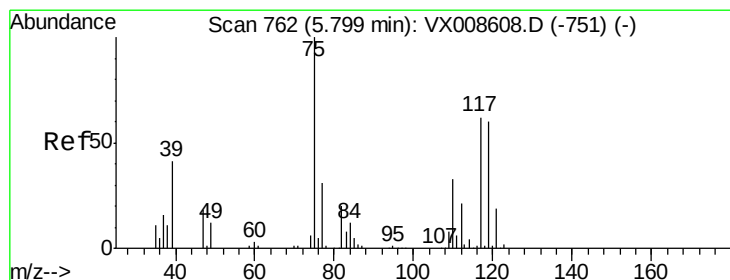
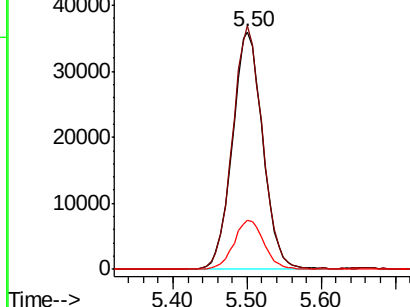
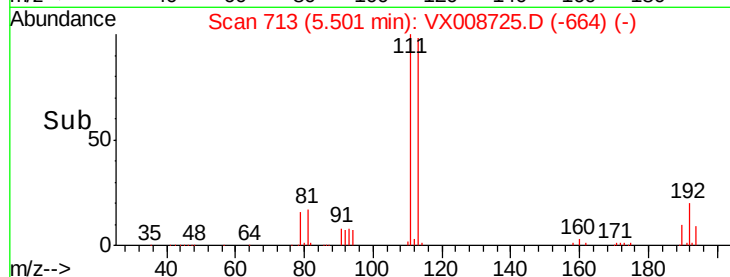
192 20.5 16.1 24.1



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: 4.474 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

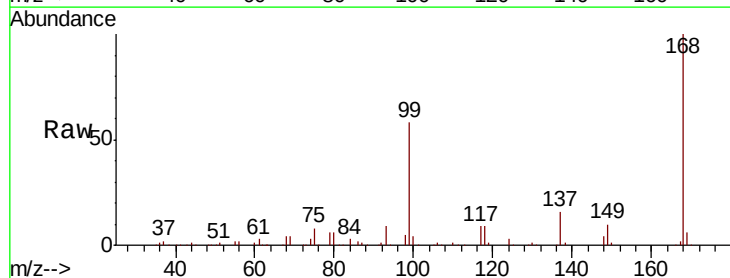
Tgt Ion: 75 Resp: 16570

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.2#

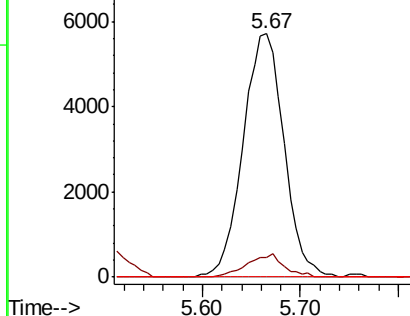
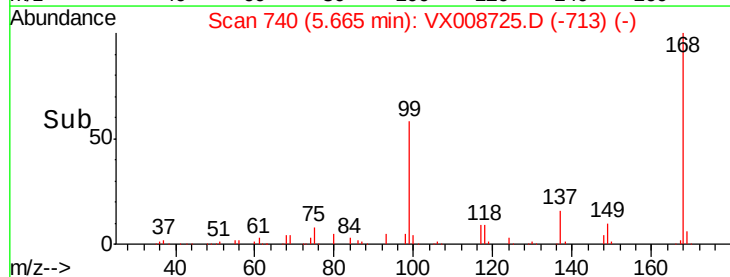
77 0.0 24.7 37.1#

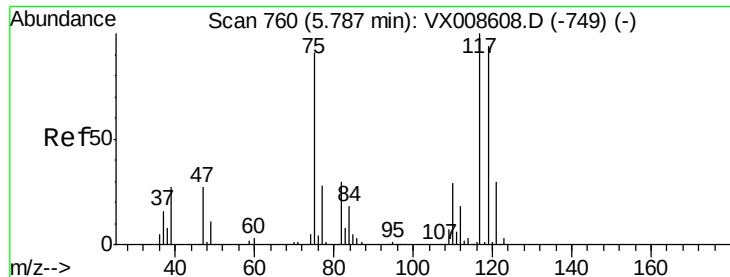


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

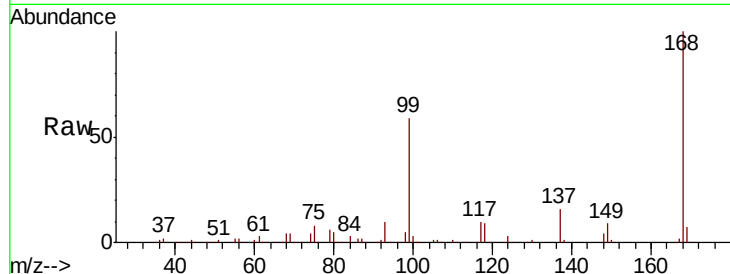
Tot Ion:117 Resp: 19629

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

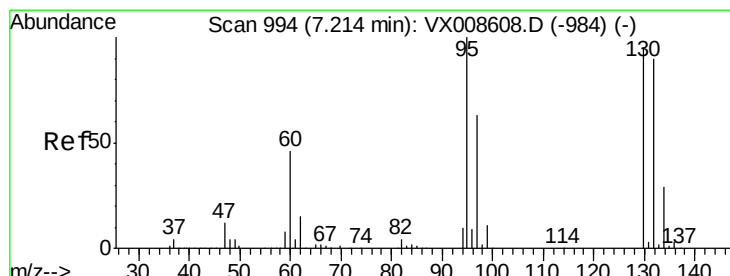
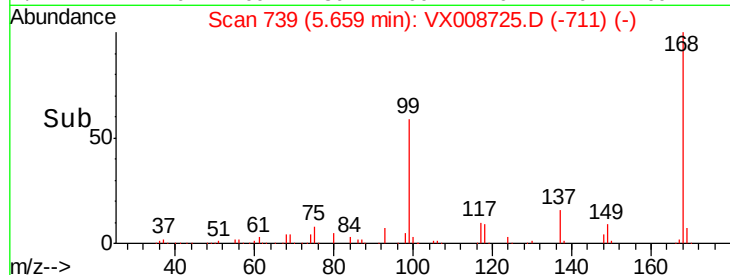
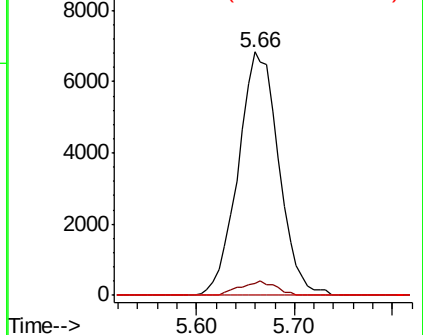
121 0.0 24.3 36.5#



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: 0.233 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008725.D

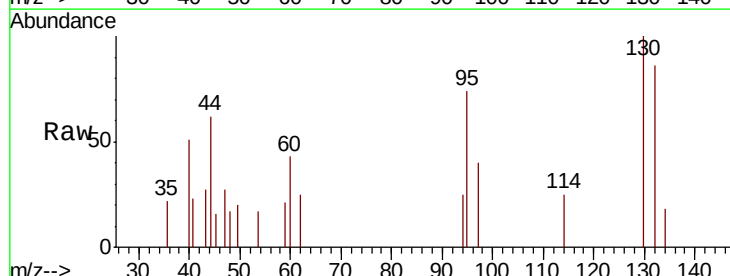
Acq: 06 Apr 2019 17:01

Tgt Ion:130 Resp: 600

Ion Ratio Lower Upper

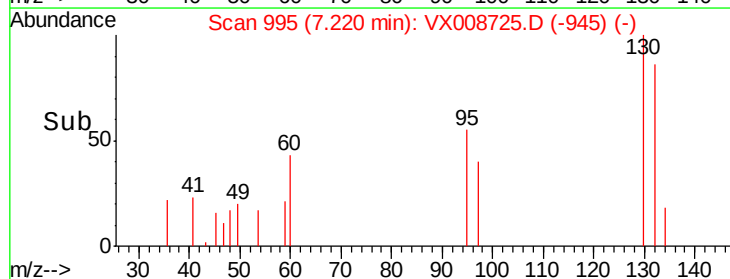
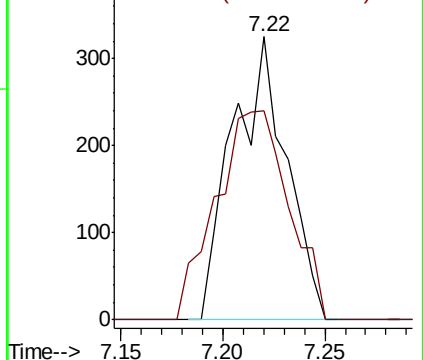
130 100

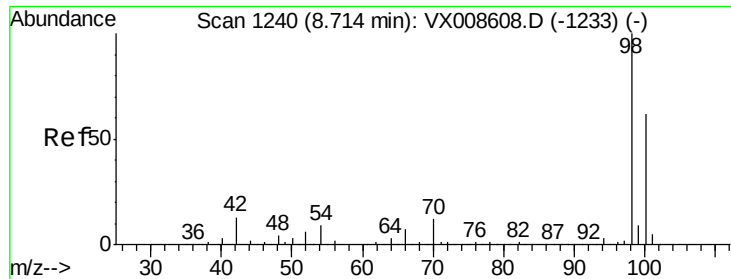
95 73.8 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.275 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

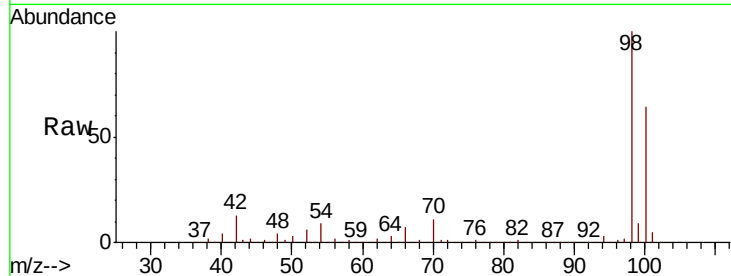
ST008MW157-190404

Tot Ion: 98 Resp: 424991

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX008608.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008608.D (-1233) (-)

8.71

250000

200000

150000

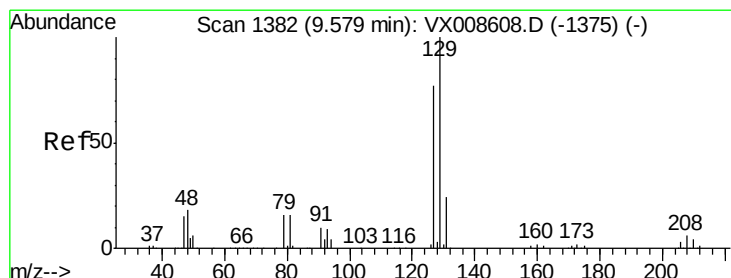
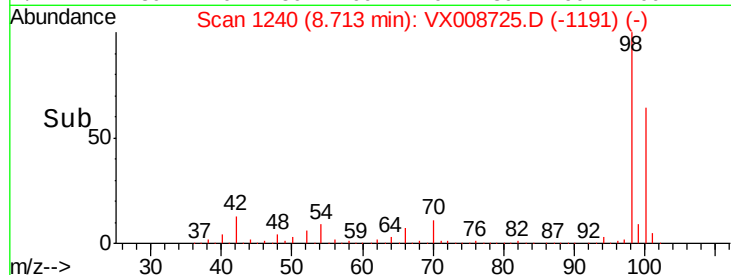
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#60

Dibromochloromethane

Concen: 0.521 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008725.D

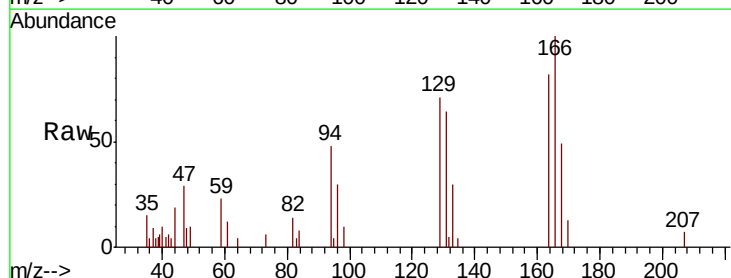
Acq: 06 Apr 2019 17:01

Tgt Ion: 129 Resp: 1281

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): VX008608.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX008608.D (-1375) (-)

9.34

1000

800

600

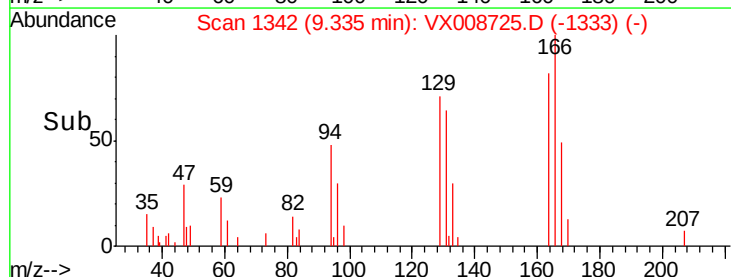
400

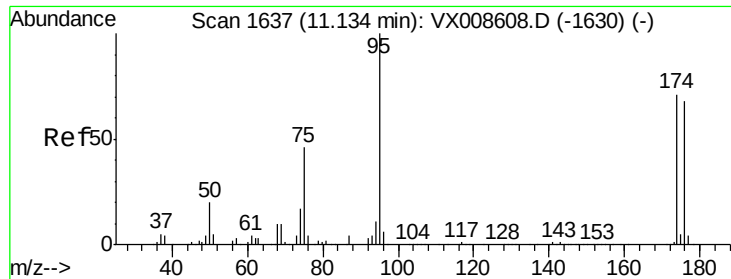
200

0

Time-->

9.30 9.35





#62

4-Bromofluorobenzene

Concen: 45.947 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

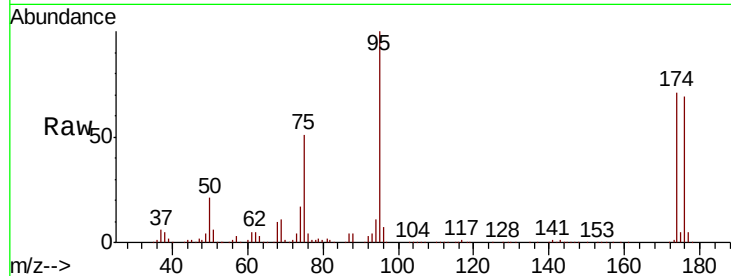
Tot Ion: 95 Resp: 140530

Ion Ratio Lower Upper

95 100

174 76.6 0.0 151.8

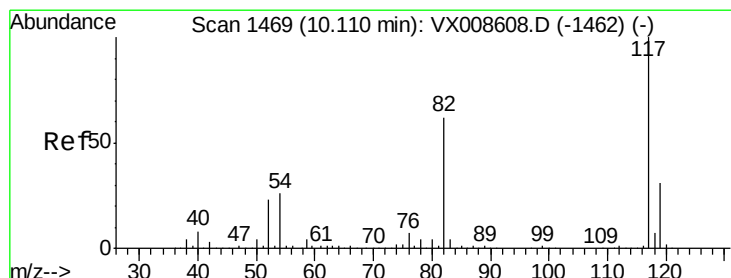
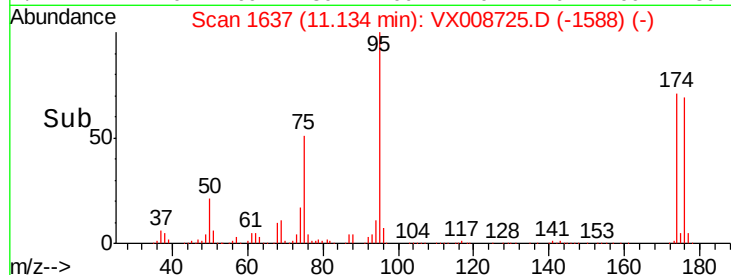
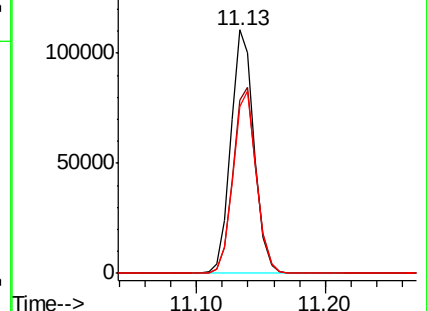
176 74.8 0.0 145.8



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: VX008725.D

Acq: 06 Apr 2019 17:01

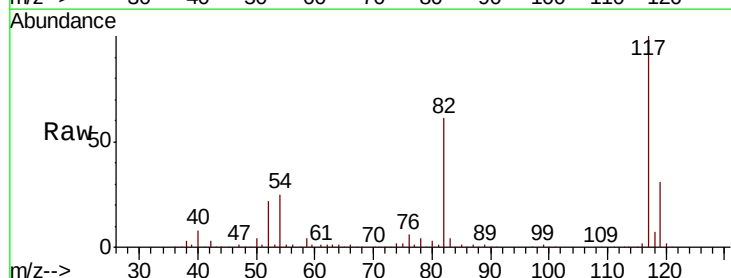
Tgt Ion: 117 Resp: 293102

Ion Ratio Lower Upper

117 100

82 61.1 49.6 74.4

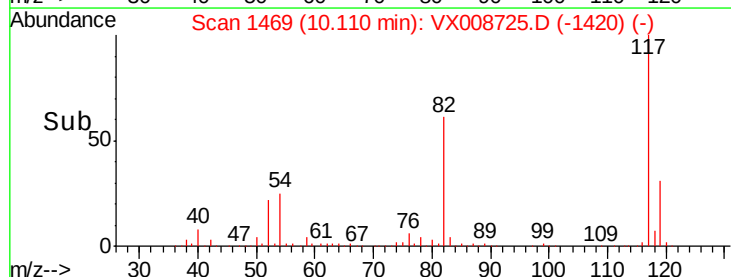
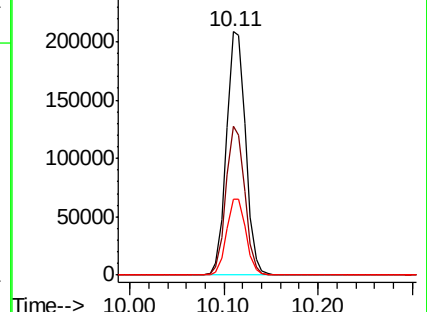
119 31.4 25.0 37.4

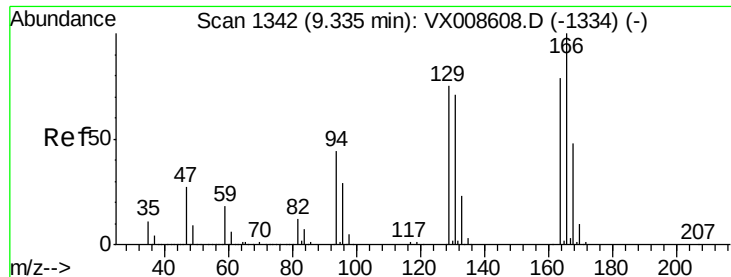


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

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

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





#64

Tetrachloroethene

Concen: 0.697 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

ST008MW157-190404

Tot Ion:164 Resp: 1514

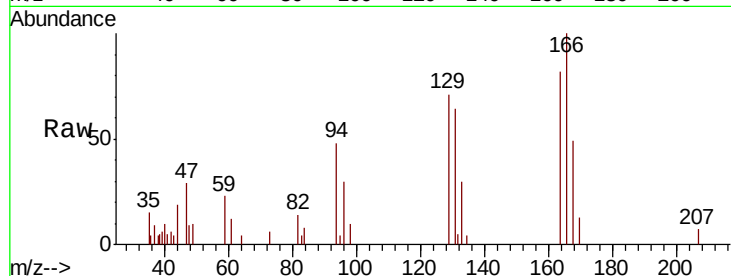
Ion Ratio Lower Upper

164 100

166 121.5 101.0 151.6

129 86.1 75.8 113.8

131 77.3 71.8 107.8



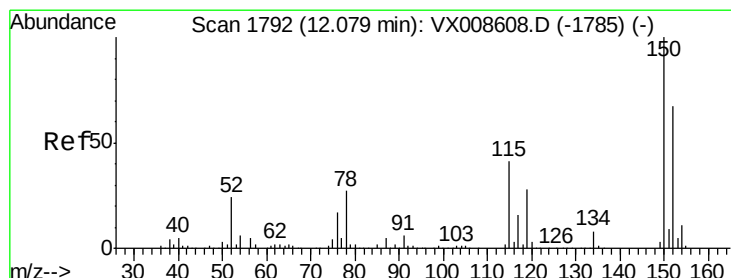
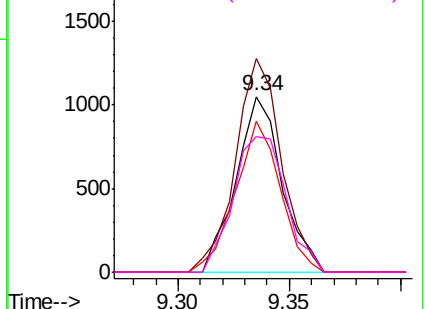
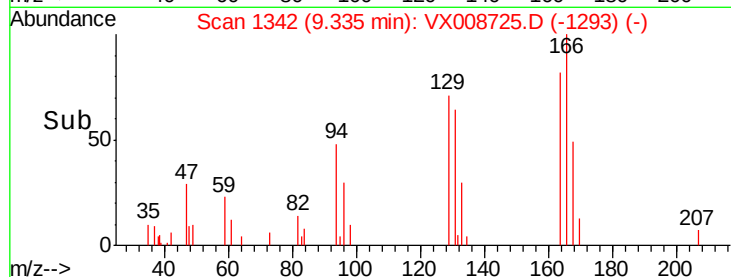
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008725.D

Acq: 06 Apr 2019 17:01

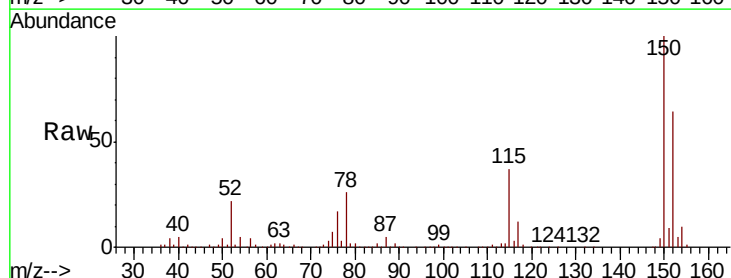
Tgt Ion:152 Resp: 121857

Ion Ratio Lower Upper

152 100

115 59.9 43.5 130.5

150 157.4 0.0 348.8

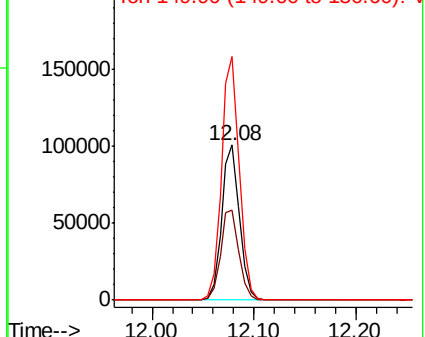
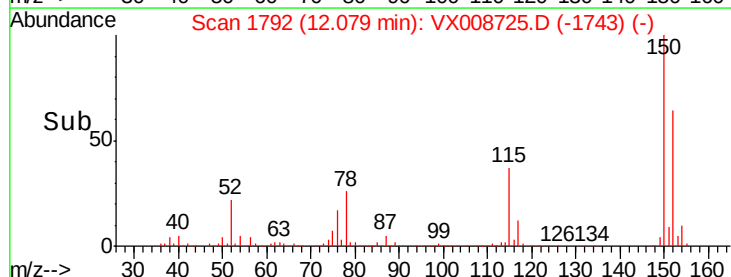


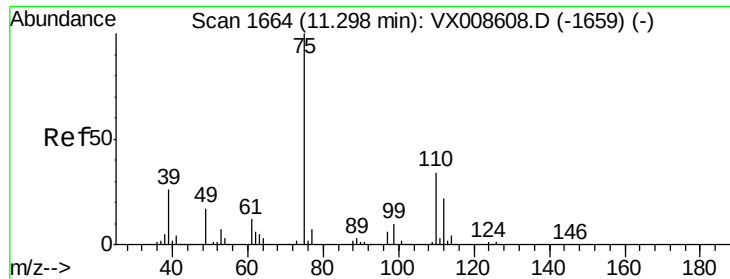
Abundance

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

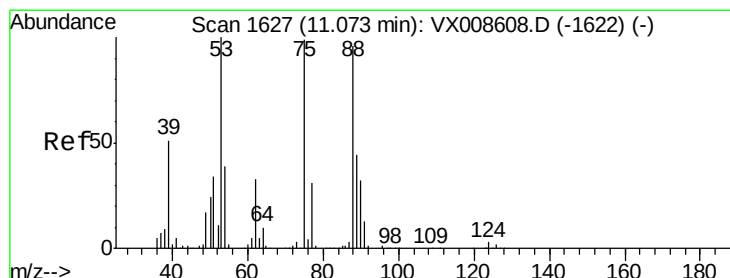
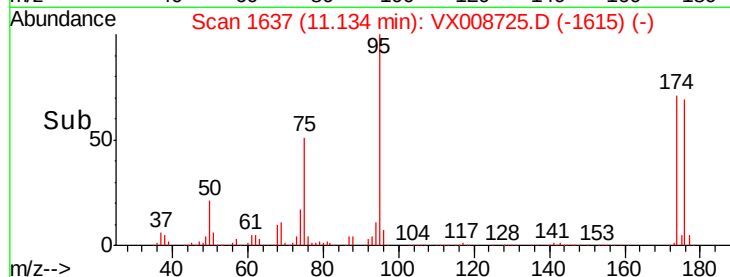
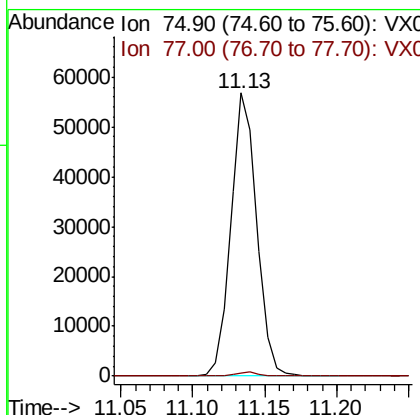
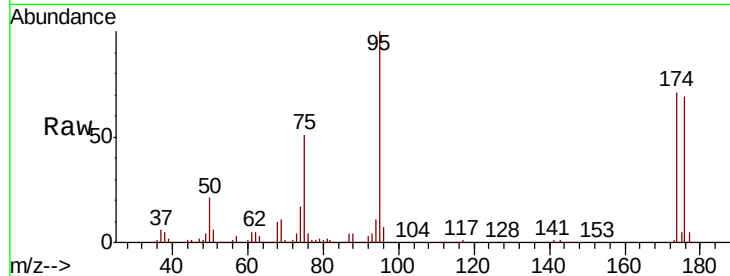




#76
 1,2,3-Trichloropropane
 Concen: 21.365 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008725.D
 Acq: 06 Apr 2019 17:01

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-190404

Tot Ion: 75 Resp: 71520
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.894 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008725.D
 Acq: 06 Apr 2019 17:01

Tgt Ion: 75 Resp: 71520
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.3 121.9#
 89 0.0 35.6 53.4#

