

Data File : VX008807.D
Acq On : 10 Apr 2019 15:56
Operator : JC/SP
Sample : K2349-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-190409

Quant Time: Apr 11 05:44:08 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	5.66	168	206638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	286811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119413	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	137310	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	5.50	113	101539	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
50) Toluene-d8	8.71	98	418492	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	11.13	95	137288	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

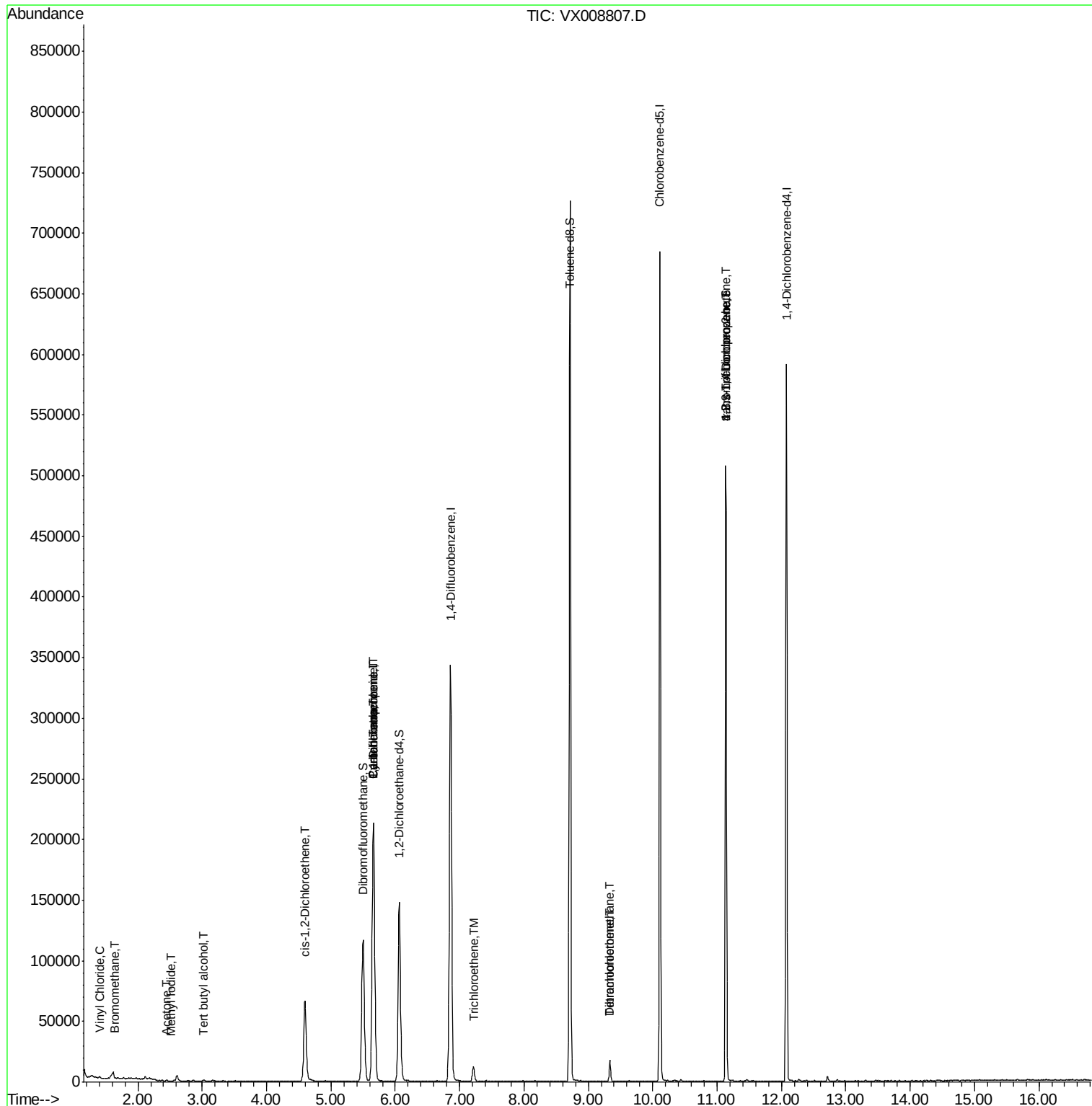
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	329	Below Cal	#	73
4) Vinyl Chloride	1.41	62	850	0.264	ug/l #	87
5) Bromomethane	1.64	94	161	1.983	ug/l #	80
6) Chloroethane	1.70	64	124	Below Cal	#	43
10) Methyl Iodide	2.52	142	85	4.041	ug/l #	42
11) Tert butyl alcohol	3.03	59	740	1.049	ug/l #	79
16) Acetone	2.44	43	958	0.552	ug/l #	83
17) Carbon Disulfide	2.57	76	575	Below Cal	#	83
27) cis-1,2-Dichloroethene	4.60	96	41011	13.804	ug/l	90
28) Bromochloromethane	5.02	49	21	Below Cal	#	22
31) Cyclohexane	5.66	56	4679	0.899	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16512	4.473	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19643	6.429	ug/l #	17
44) Trichloroethene	7.21	130	4771	1.863	ug/l	99
60) Dibromochloromethane	9.34	129	3219	1.313	ug/l #	11
64) Tetrachloroethene	9.34	164	3607	1.697	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	70201	21.400	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70201	58.991	ug/l #	9

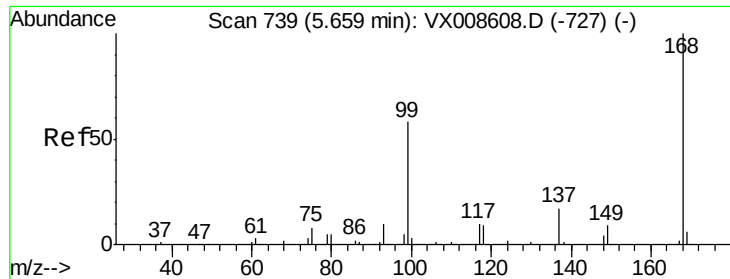
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX008807.D
Acq On : 10 Apr 2019 15:56
Operator : JC/SP
Sample : K2349-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-190409

Quant Time: Apr 11 05:44:08 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

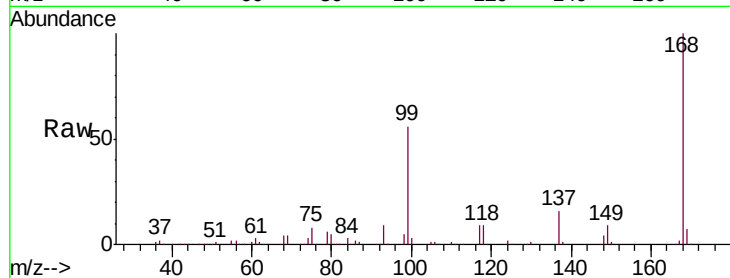
ST008MW153-190409

Tgt Ion:168 Resp: 206638

Ion Ratio Lower Upper

168 100

99 56.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

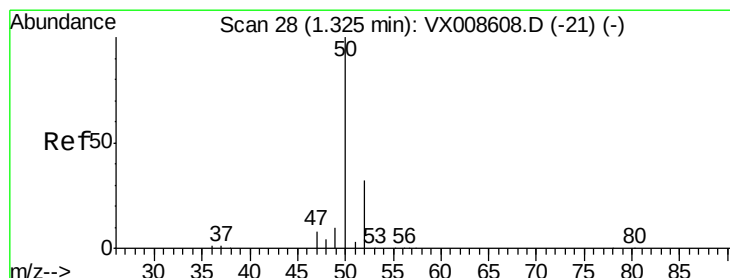
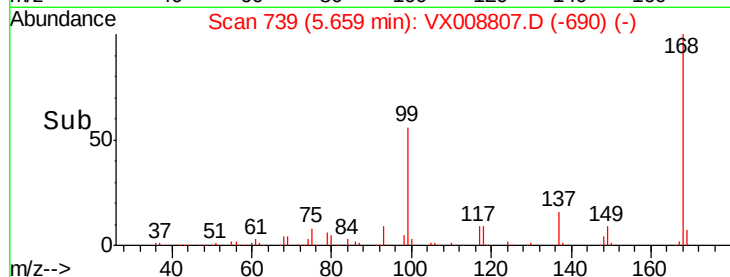
60000

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: VX008807.D

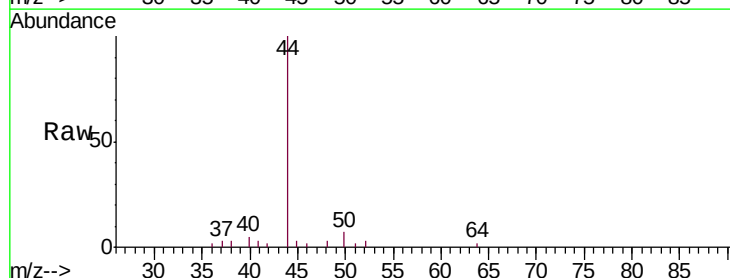
Acq: 10 Apr 2019 15:56

Tgt Ion: 50 Resp: 329

Ion Ratio Lower Upper

50 100

52 47.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

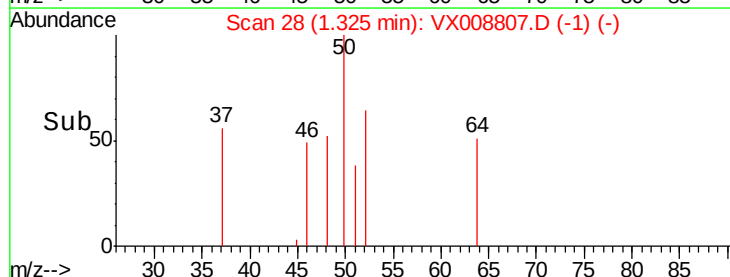
150

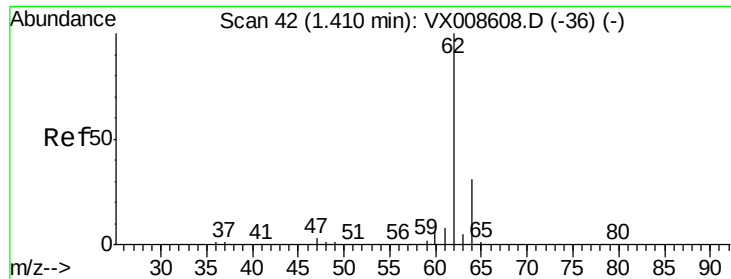
100

50

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.264 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

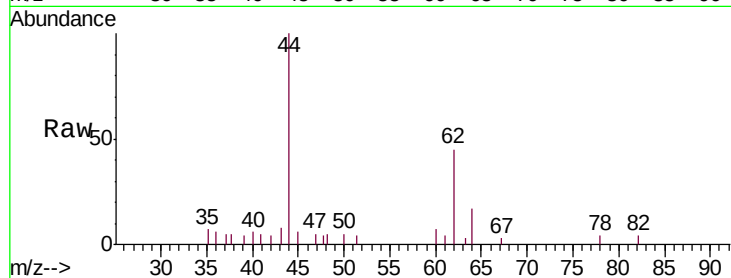
ST008MW153-190409

Tgt Ion: 62 Resp: 850

Ion Ratio Lower Upper

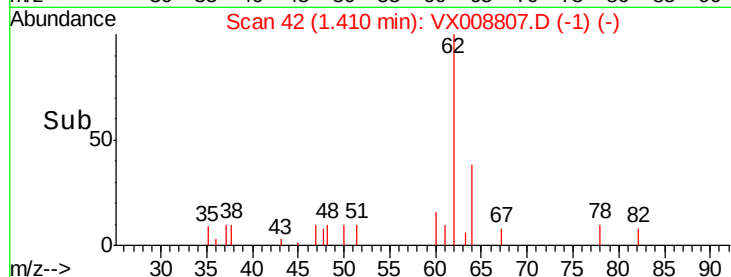
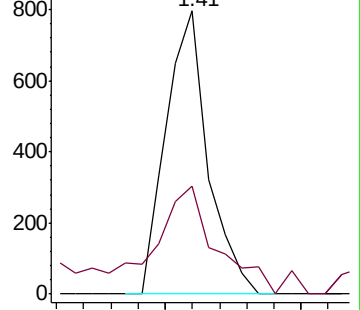
62 100

64 38.2 24.7 37.1#

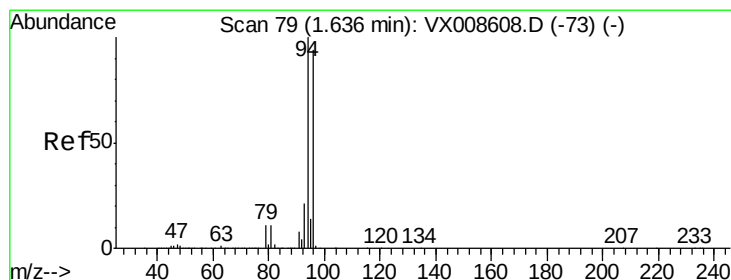


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 1.983 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008807.D

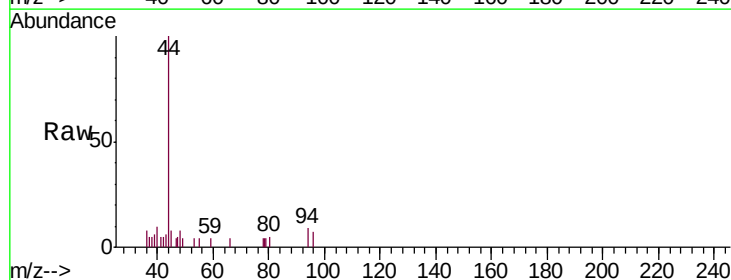
Acq: 10 Apr 2019 15:56

Tgt Ion: 94 Resp: 161

Ion Ratio Lower Upper

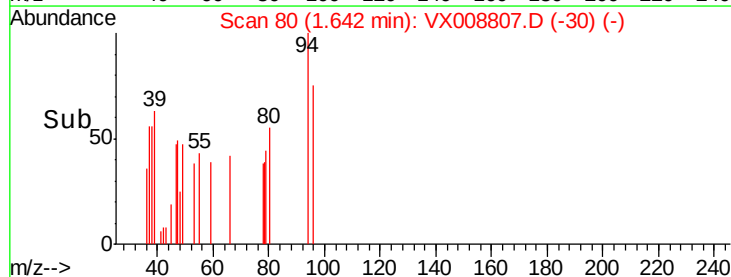
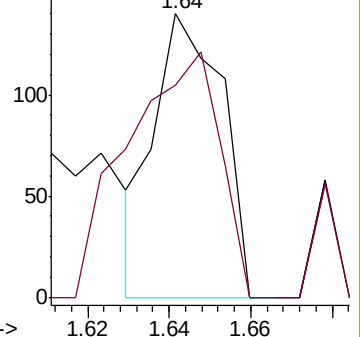
94 100

96 75.0 75.2 112.8#

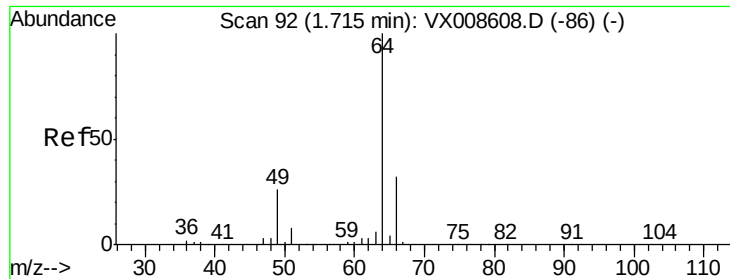


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

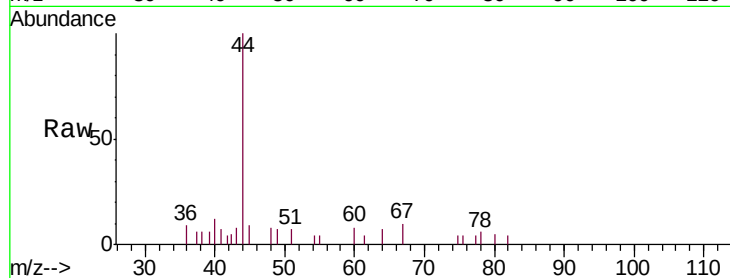
ST008MW153-190409

Tgt Ion: 64 Resp: 124

Ion Ratio Lower Upper

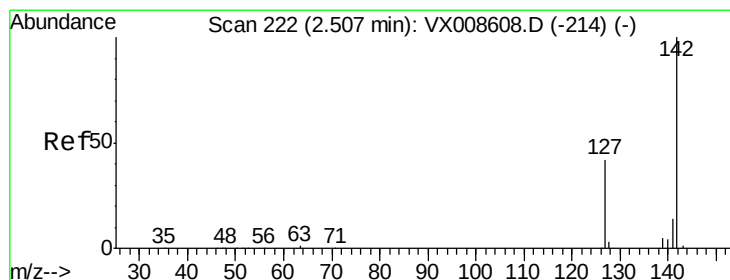
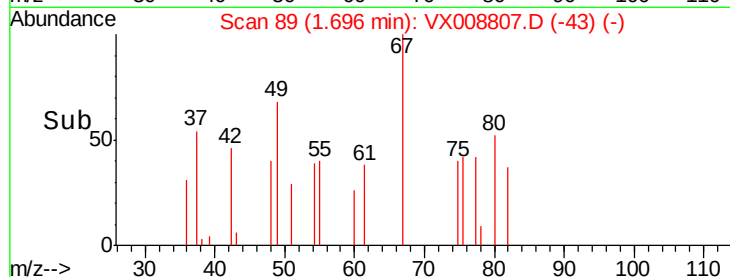
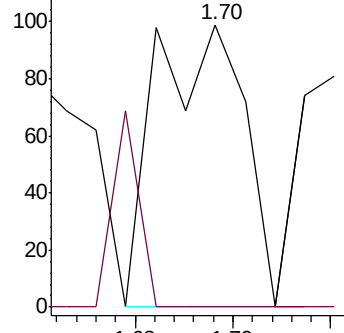
64 100

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: 4.041 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

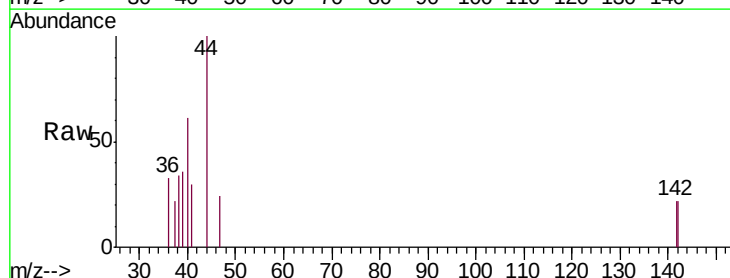
Tgt Ion: 142 Resp: 85

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

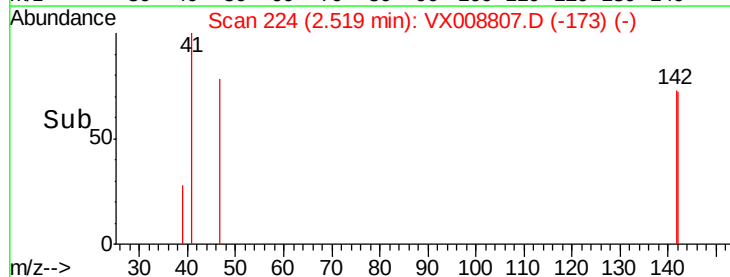
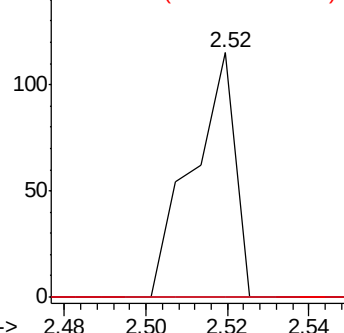
141 0.0 11.4 17.2#

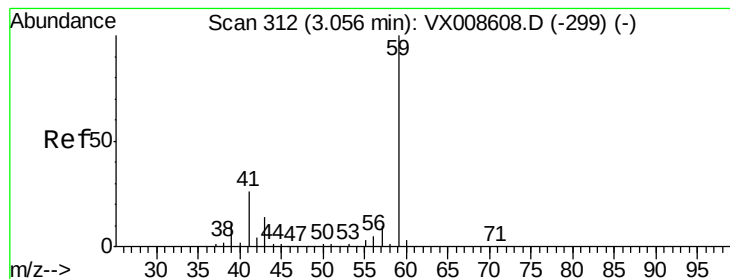


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



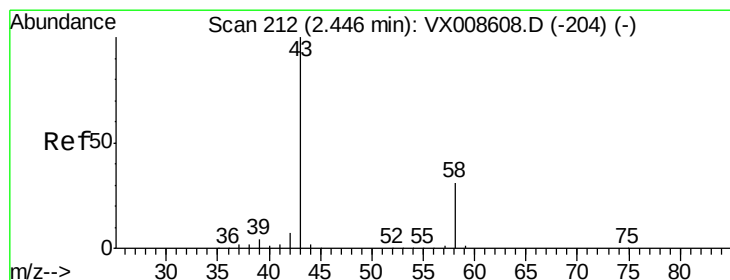
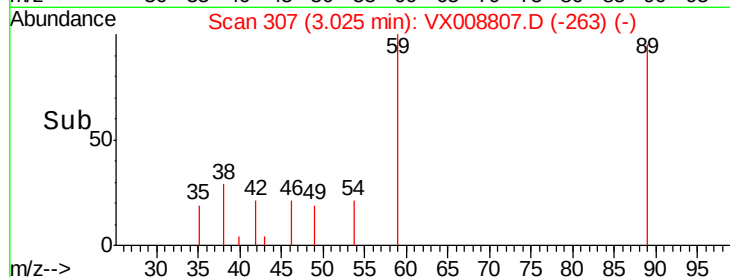
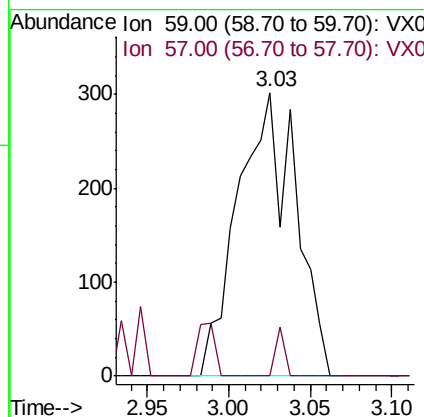
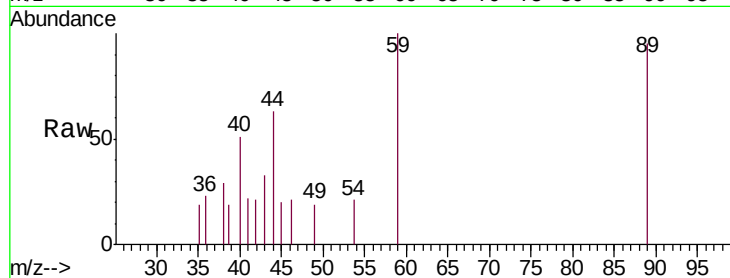


#11

Tert butyl alcohol
 Concen: 1.049 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.03 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-190409

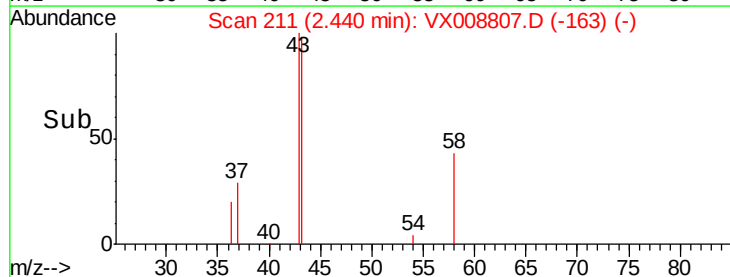
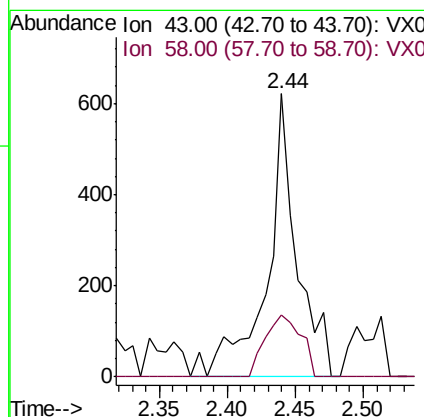
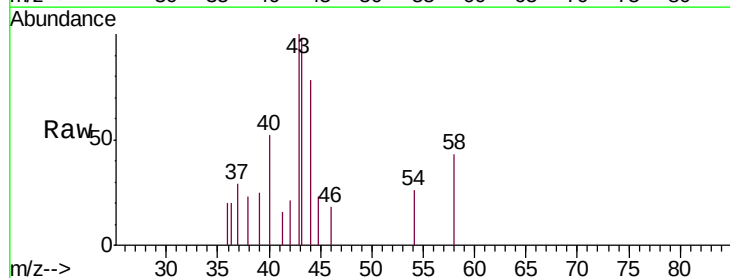
Tgt Ion: 59 Resp: 740
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.3 12.5#

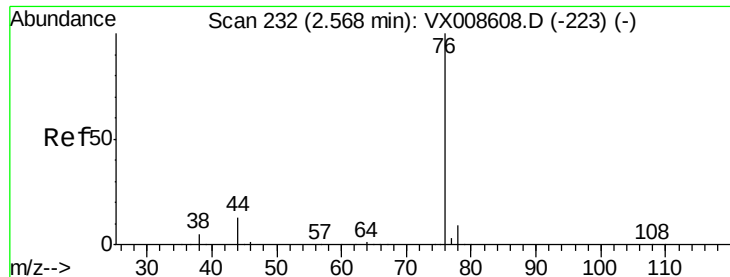


#16

Acetone
 Concen: 0.552 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

Tgt Ion: 43 Resp: 958
 Ion Ratio Lower Upper
 43 100
 58 21.9 24.8 37.2#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

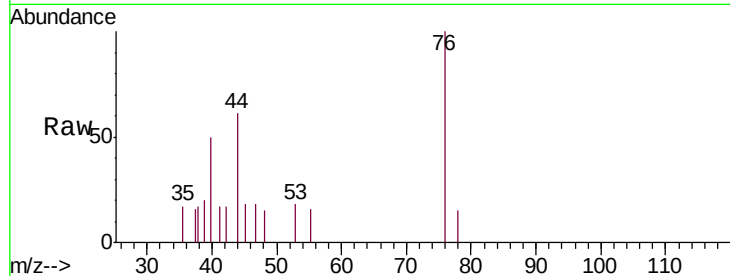
ST008MW153-190409

Tgt Ion: 76 Resp: 575

Ion Ratio Lower Upper

76 100

78 14.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

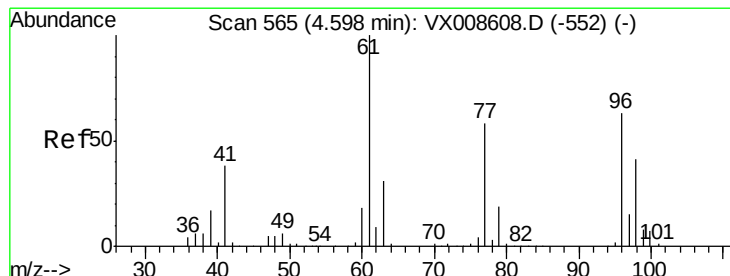
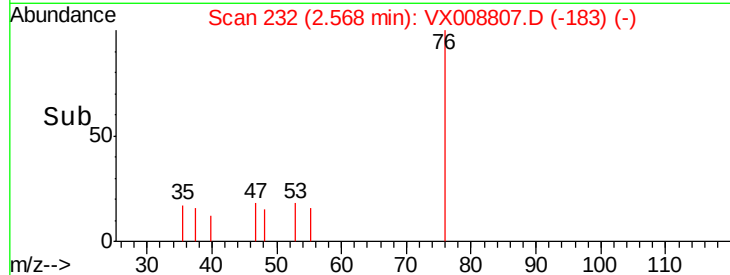
200

100

0

2.55 2.60

Time-->



#27

cis-1,2-Dichloroethene

Concen: 13.804 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

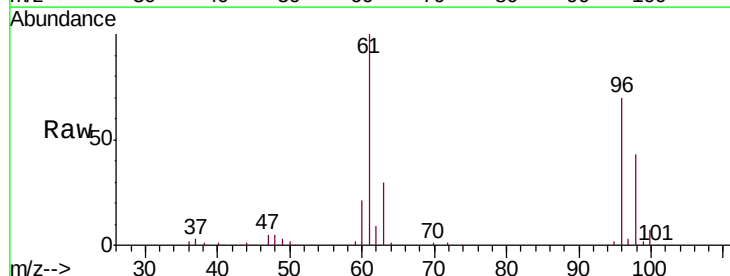
Tgt Ion: 96 Resp: 41011

Ion Ratio Lower Upper

96 100

61 145.7 0.0 327.6

98 65.2 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

25000

20000

15000

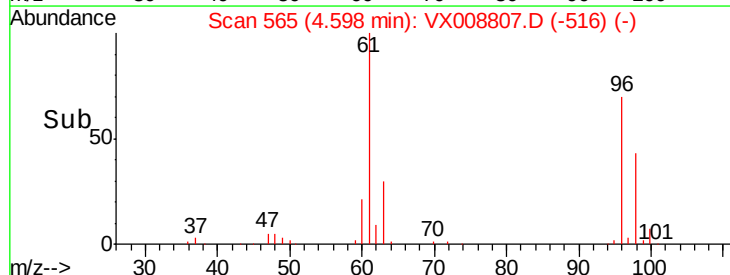
10000

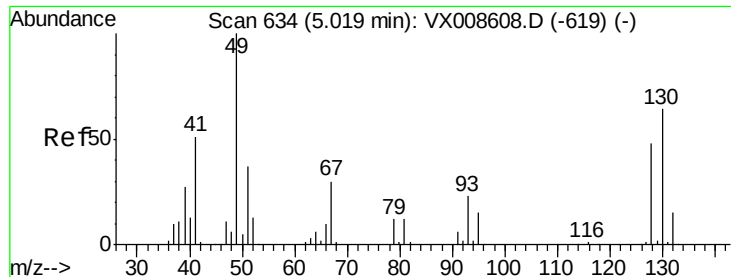
5000

0

4.50 4.60 4.70

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-190409

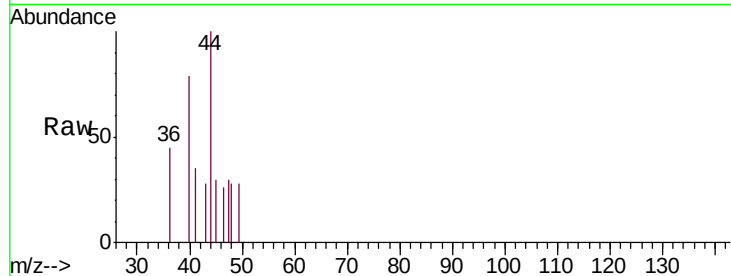
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

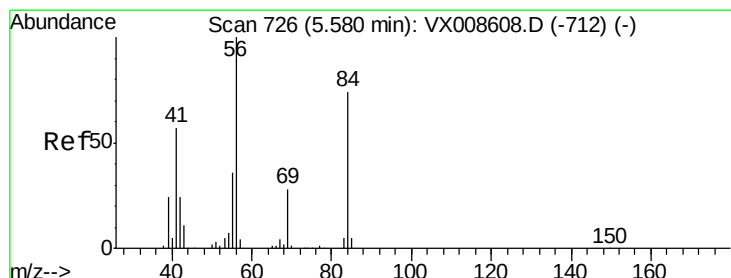
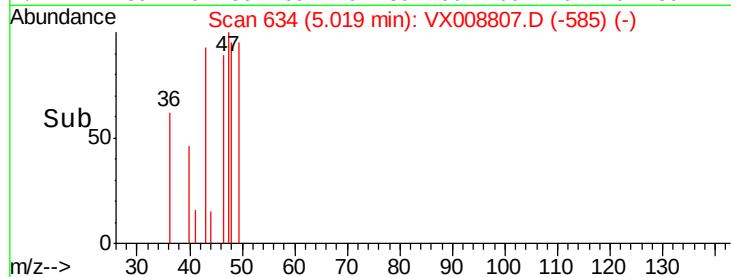
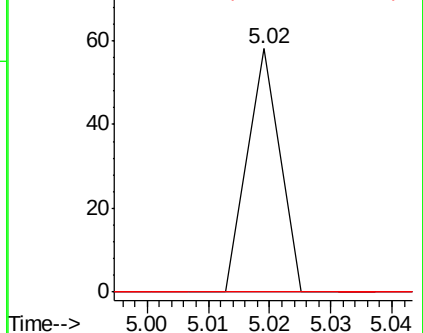
130 0.0 49.3 73.9#



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: 0.899 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

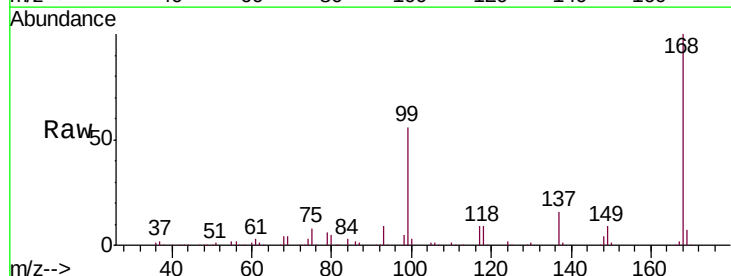
Tgt Ion: 56 Resp: 4679

Ion Ratio Lower Upper

56 100

69 167.2 22.6 33.8#

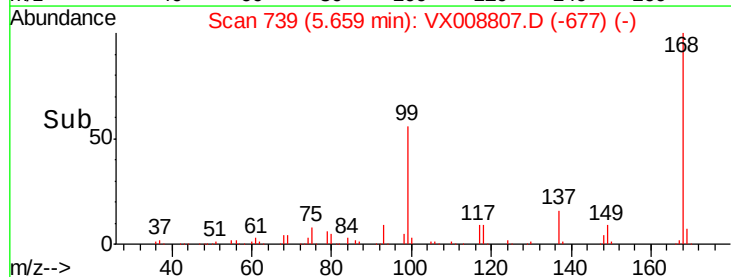
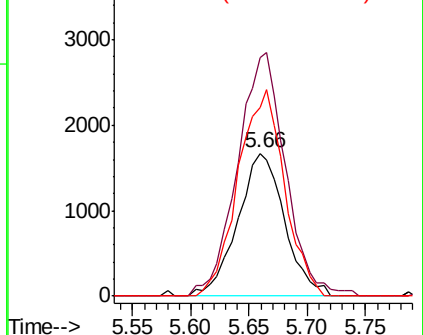
84 132.7 59.3 88.9#

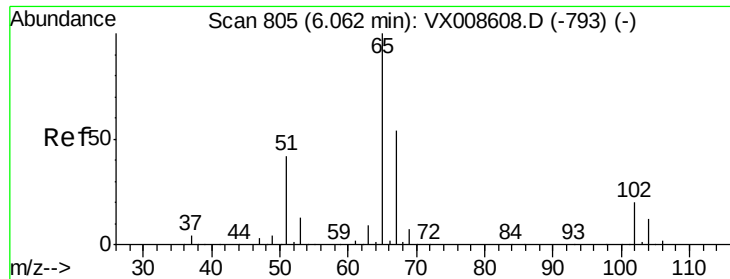


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

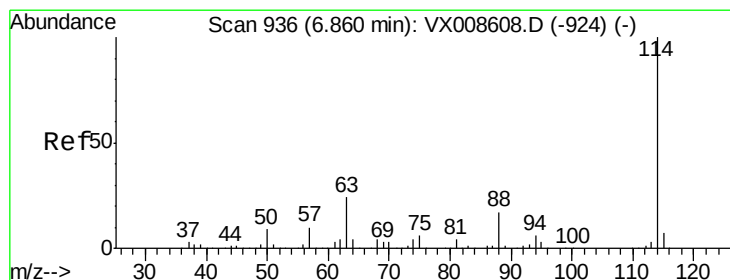
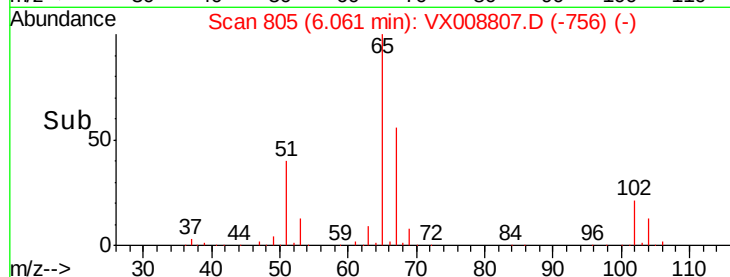
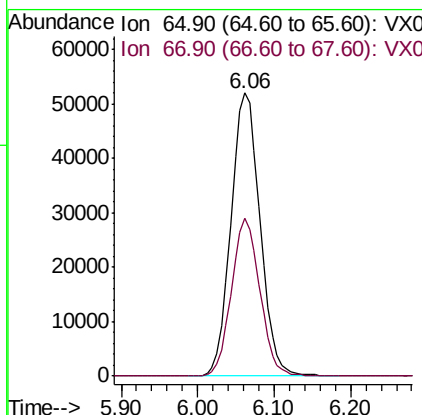
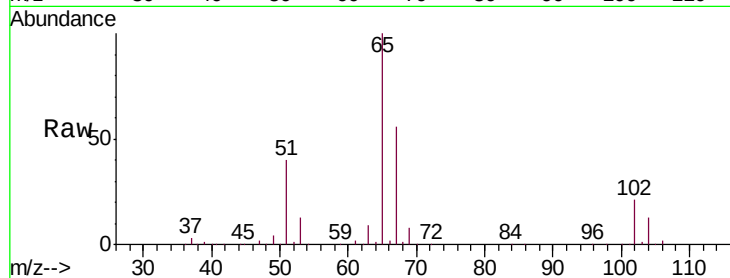




#33
 1,2-Dichloroethane-d4
 Concen: 45.558 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

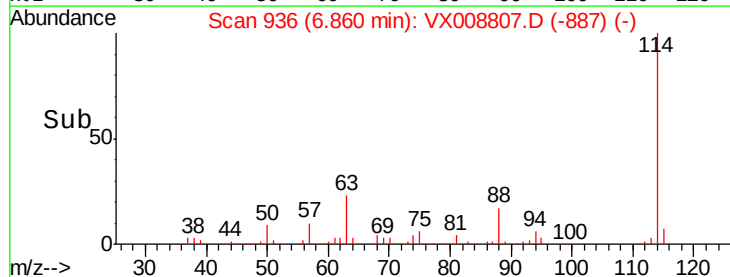
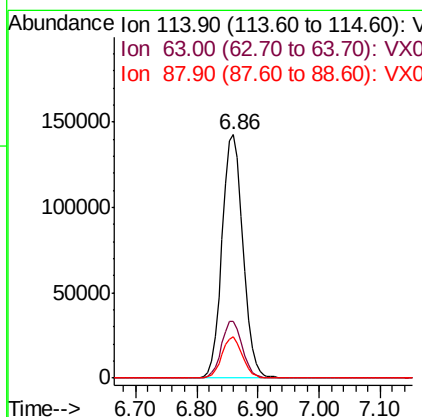
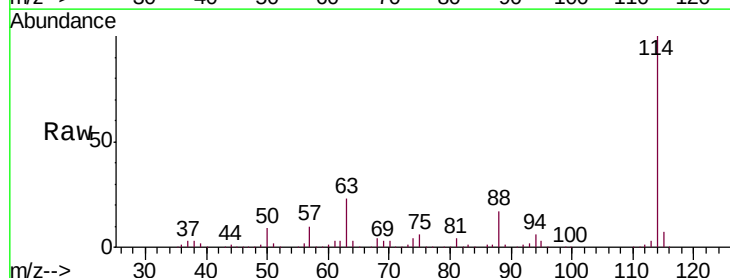
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-190409

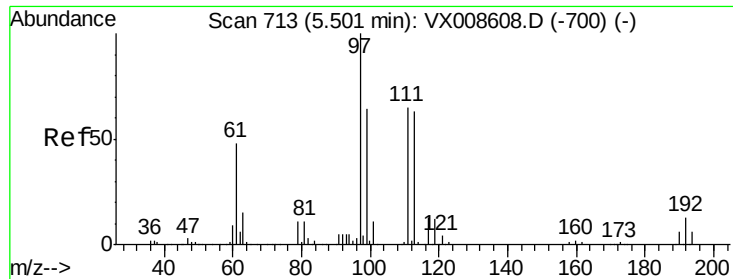
Tgt Ion: 65 Resp: 137310
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

Tgt Ion: 114 Resp: 337708
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.2
 88 16.9 0.0 34.0

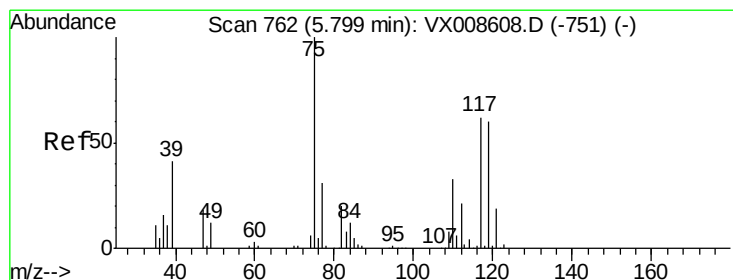
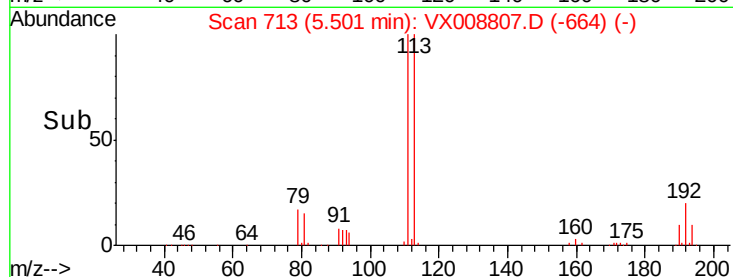
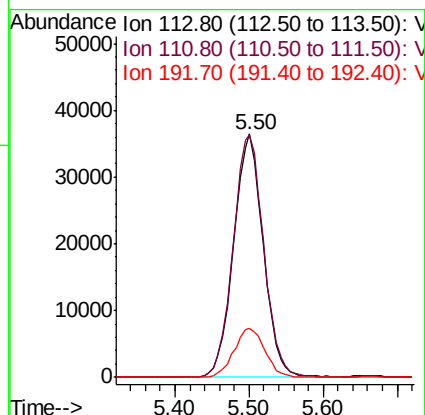
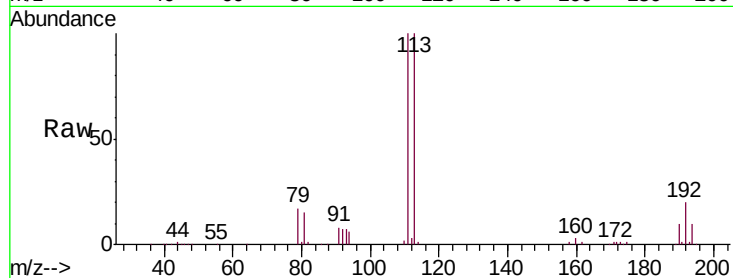




#35
 Dibromofluoromethane
 Concen: 47.027 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

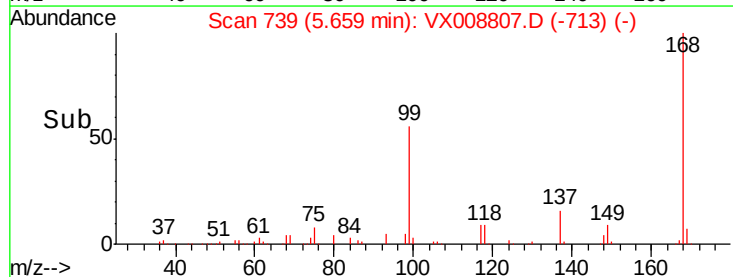
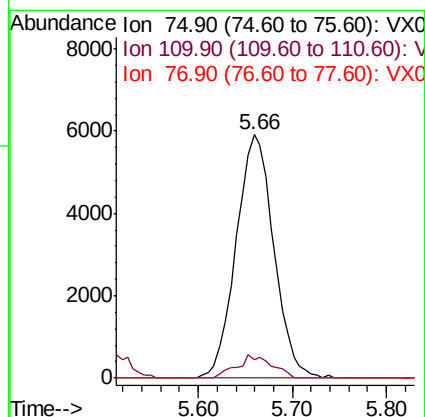
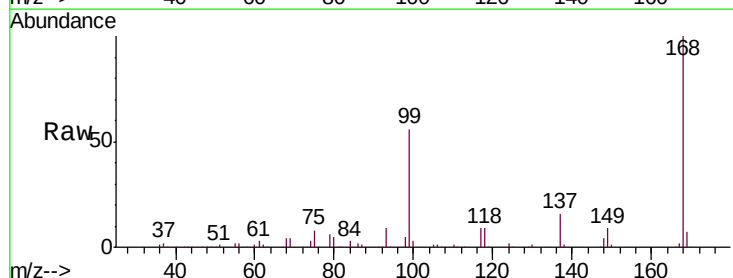
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-190409

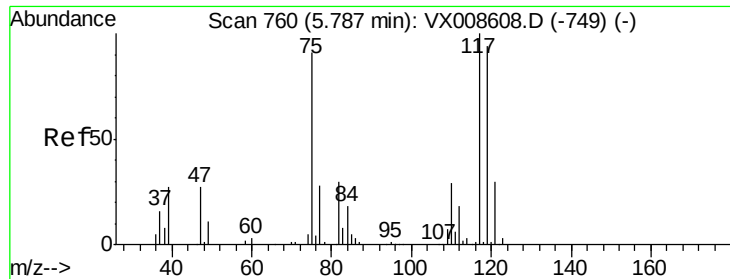
Tgt Ion:113 Resp: 101539
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.2
 192 20.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.473 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008807.D
 Acq: 10 Apr 2019 15:56

Tgt Ion: 75 Resp: 16512
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.4 49.2#
 77 0.0 24.7 37.1#

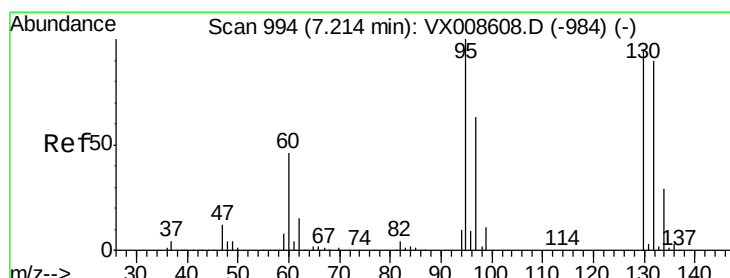
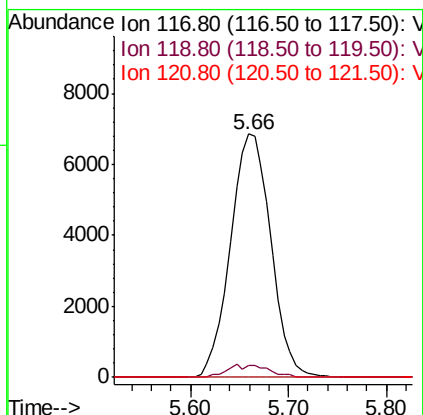
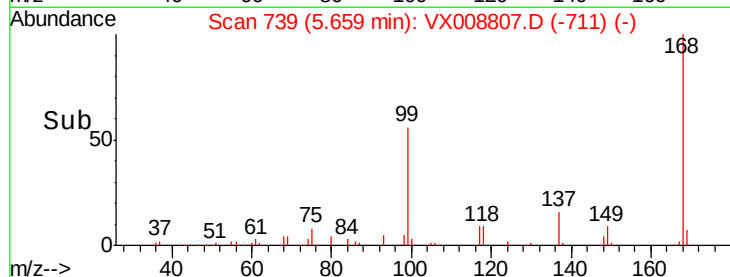
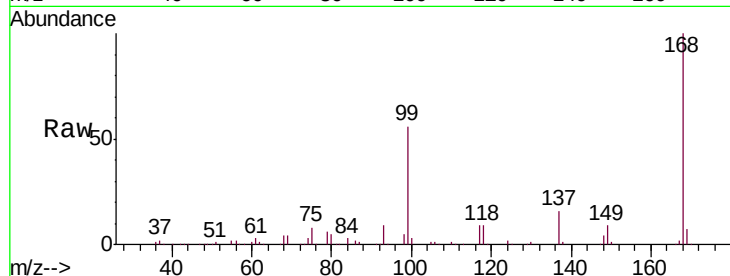




#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008807.D
Acq: 10 Apr 2019 15:56

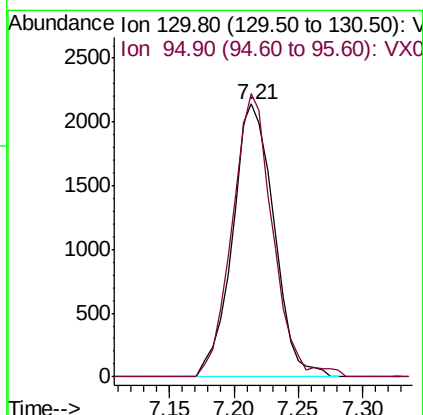
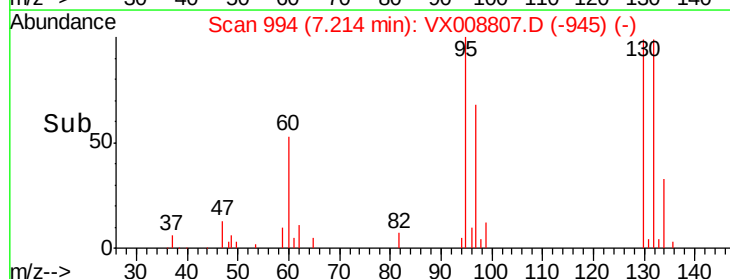
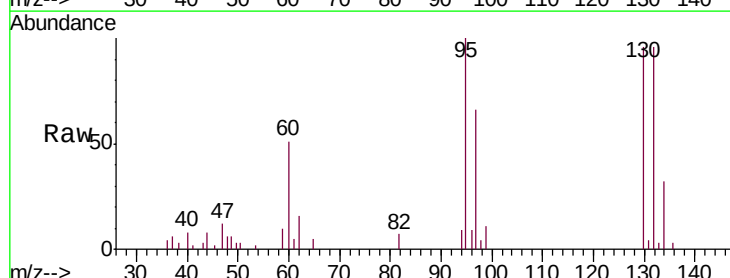
Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-190409

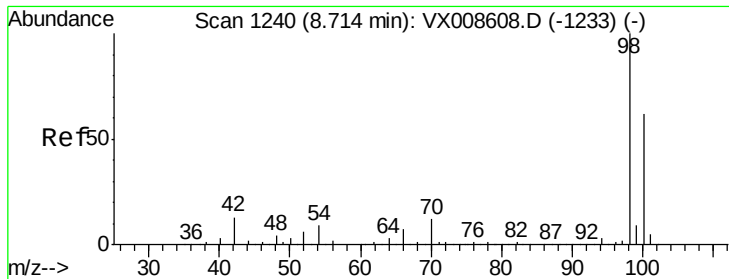
Tgt Ion:117 Resp: 19643
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 24.3 36.5#



#44
Trichloroethene
Concen: 1.863 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008807.D
Acq: 10 Apr 2019 15:56

Tgt Ion:130 Resp: 4771
Ion Ratio Lower Upper
130 100
95 103.8 0.0 209.8





#50

Toluene-d8

Concen: 48.677 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

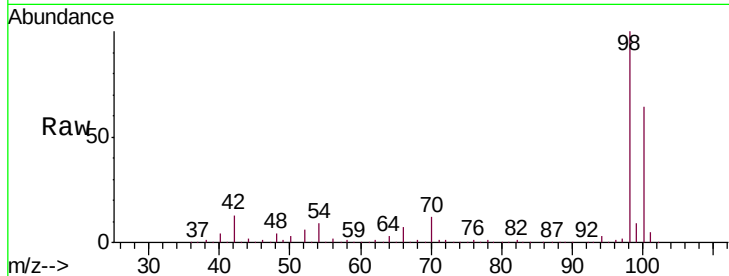
ST008MW153-190409

Tgt Ion: 98 Resp: 418492

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

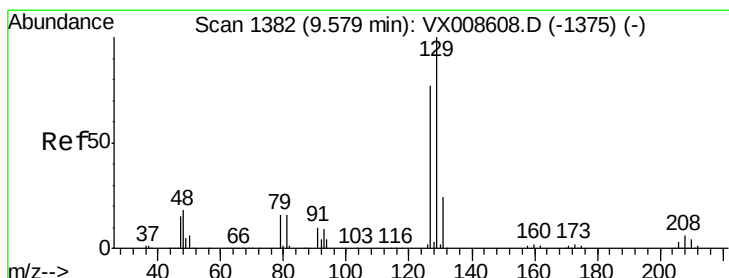
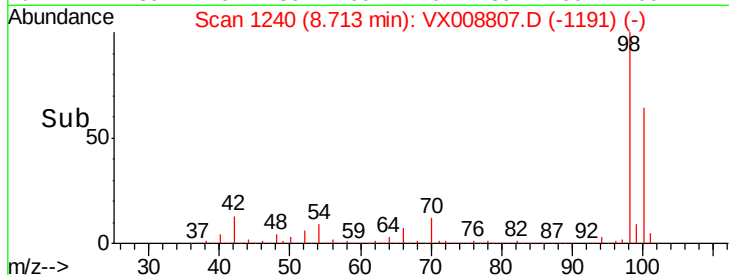
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#60

Dibromochloromethane

Concen: 1.313 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008807.D

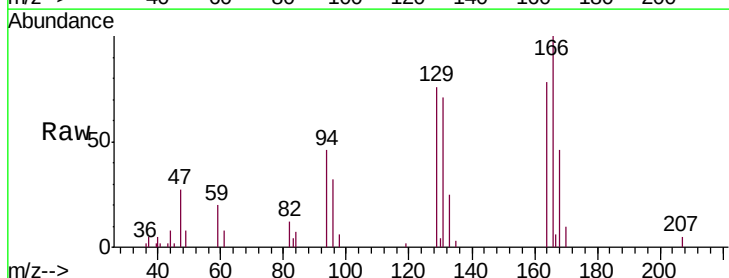
Acq: 10 Apr 2019 15:56

Tgt Ion: 129 Resp: 3219

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

2500

2000

1500

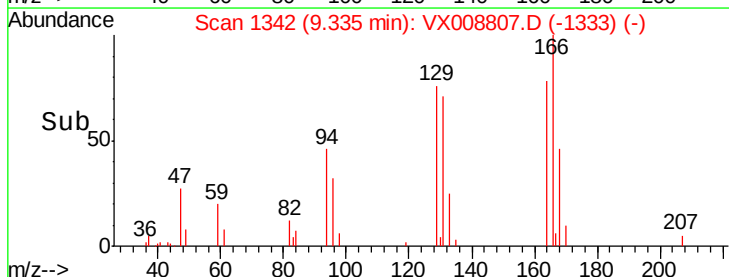
1000

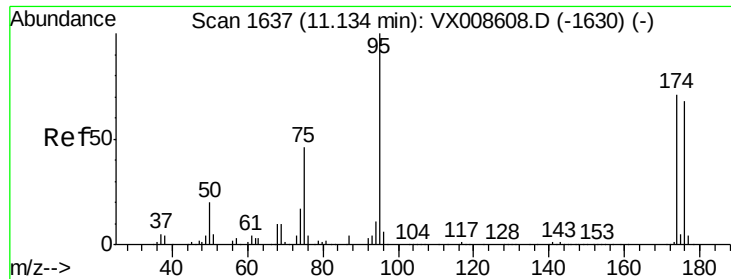
500

0

9.30 9.35 9.40

Time-->





#62

4-Bromofluorobenzene

Concen: 45.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-190409

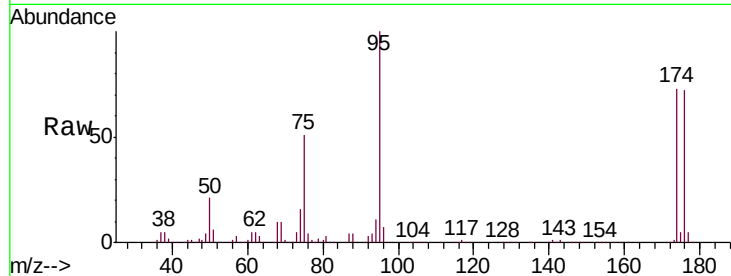
Tgt Ion: 95 Resp: 137288

Ion Ratio Lower Upper

95 100

174 78.1 0.0 151.8

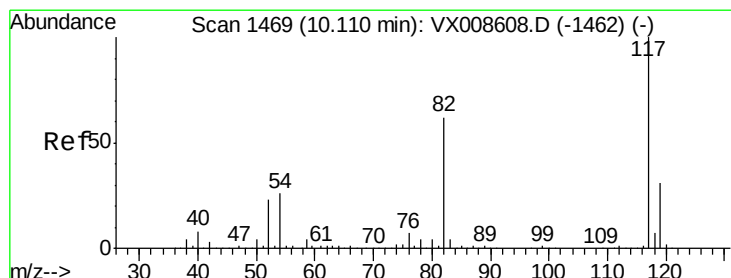
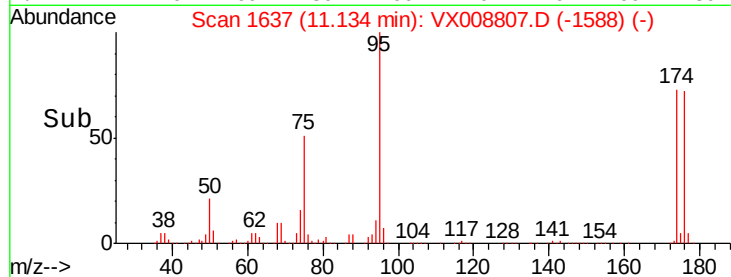
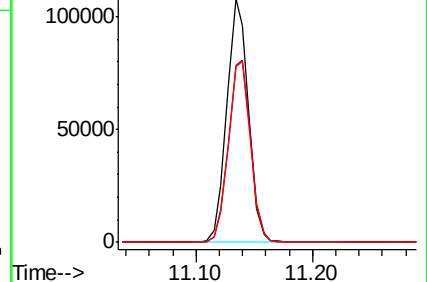
176 76.3 0.0 145.8



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: VX008807.D

Acq: 10 Apr 2019 15:56

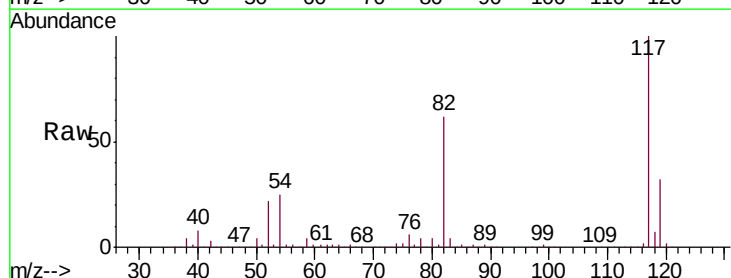
Tgt Ion: 117 Resp: 286811

Ion Ratio Lower Upper

117 100

82 62.0 49.6 74.4

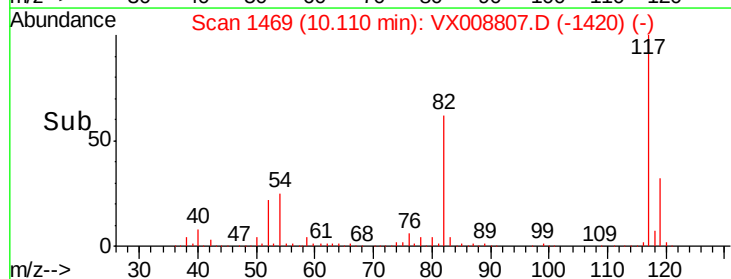
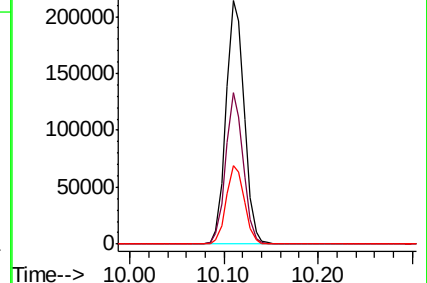
119 32.2 25.0 37.4

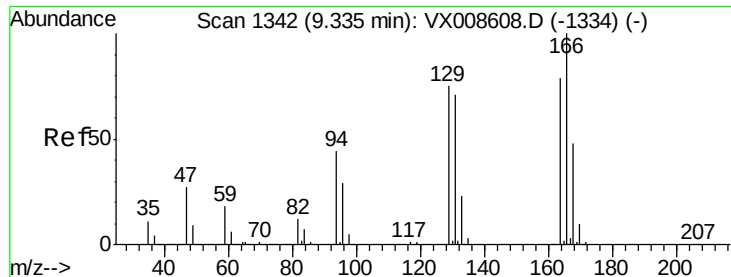


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

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

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

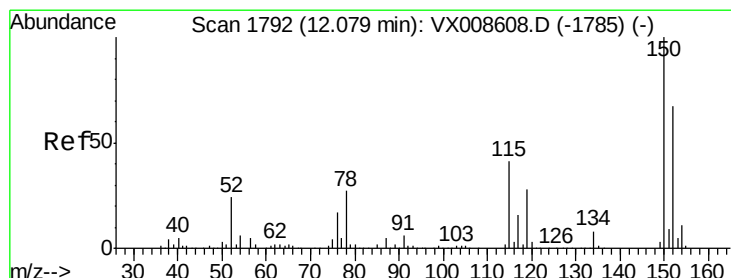
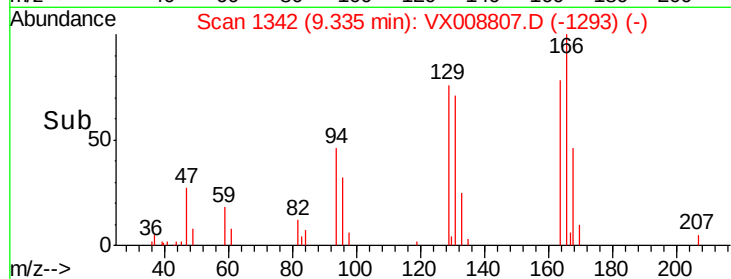
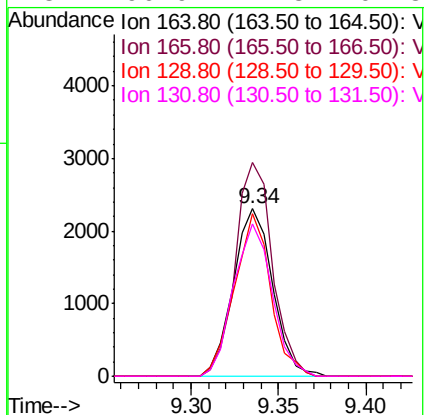
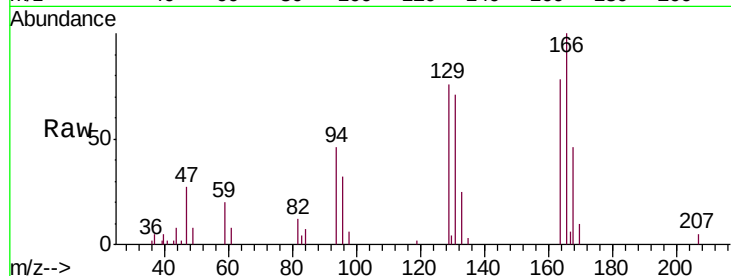




#64
Tetrachloroethene
Concen: 1.697 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008807.D
Acq: 10 Apr 2019 15:56

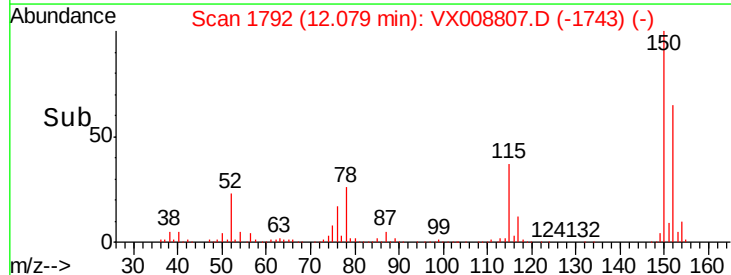
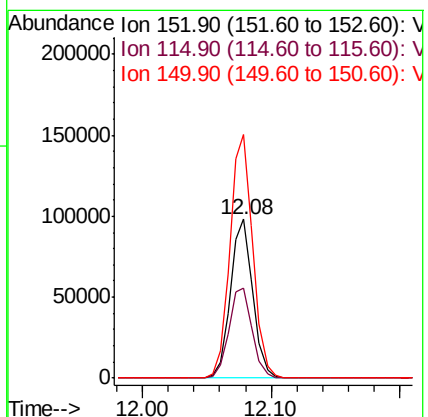
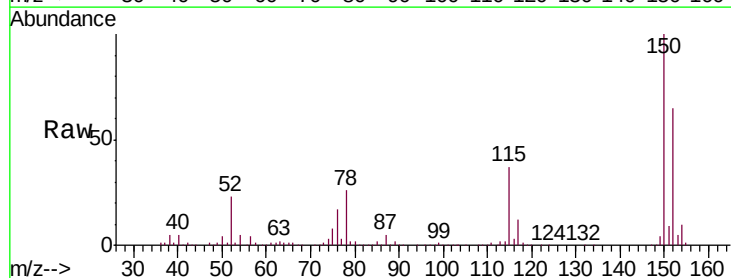
Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-190409

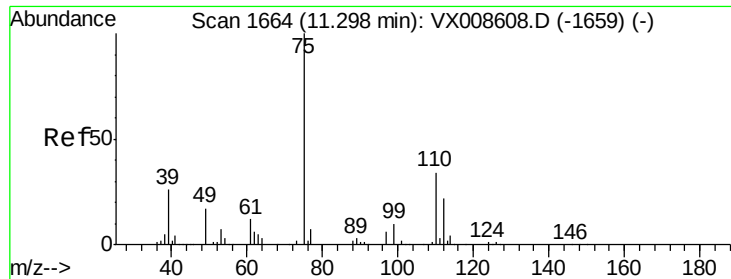
Tgt Ion:164 Resp: 3607
Ion Ratio Lower Upper
164 100
166 127.6 101.0 151.6
129 96.8 75.8 113.8
131 90.9 71.8 107.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008807.D
Acq: 10 Apr 2019 15:56

Tgt Ion:152 Resp: 119413
Ion Ratio Lower Upper
152 100
115 58.9 43.5 130.5
150 155.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

Instrument :

MSVOA_X

ClientSampleId :

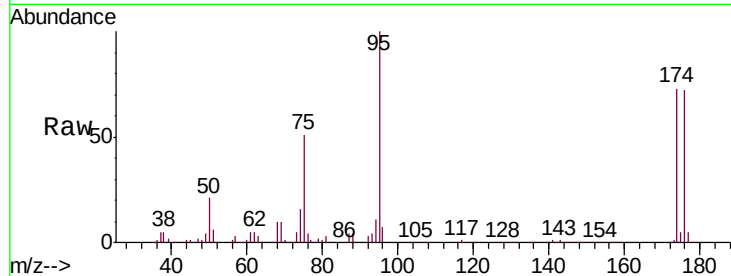
ST008MW153-190409

Tgt Ion: 75 Resp: 70201

Ion Ratio Lower Upper

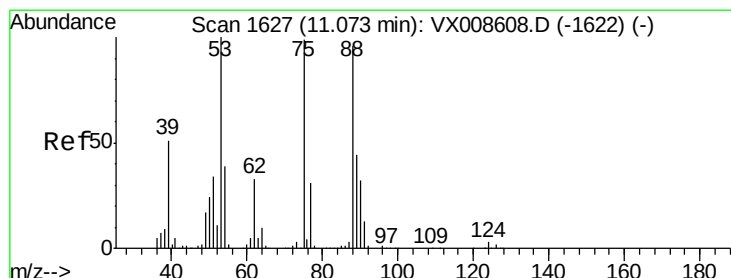
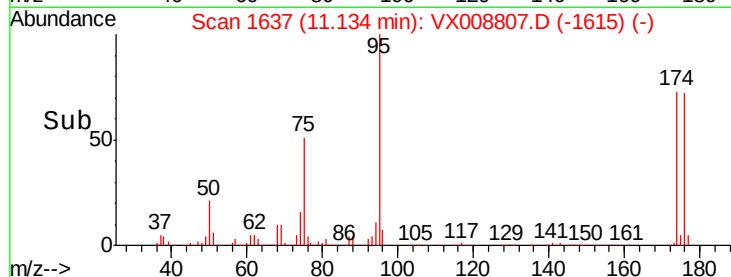
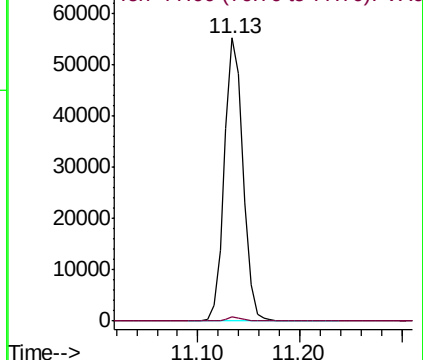
75 100

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: 58.991 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008807.D

Acq: 10 Apr 2019 15:56

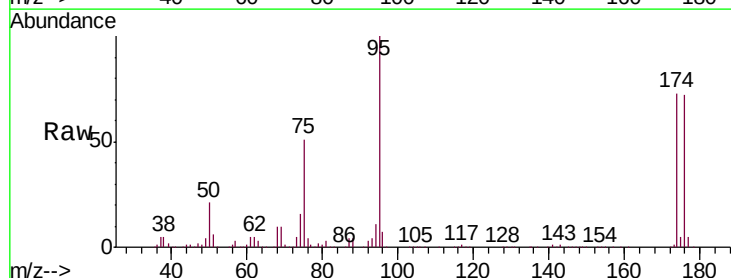
Tgt Ion: 75 Resp: 70201

Ion Ratio Lower Upper

75 100

53 0.1 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

