

Data File : VX008810.D
Acq On : 10 Apr 2019 17:06
Operator : JC/SP
Sample : K2349-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST006MW008-190409

Quant Time: Apr 11 05:45:30 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	203455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	137645	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.50	113	100957	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	8.71	98	420167	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.13	95	141762	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

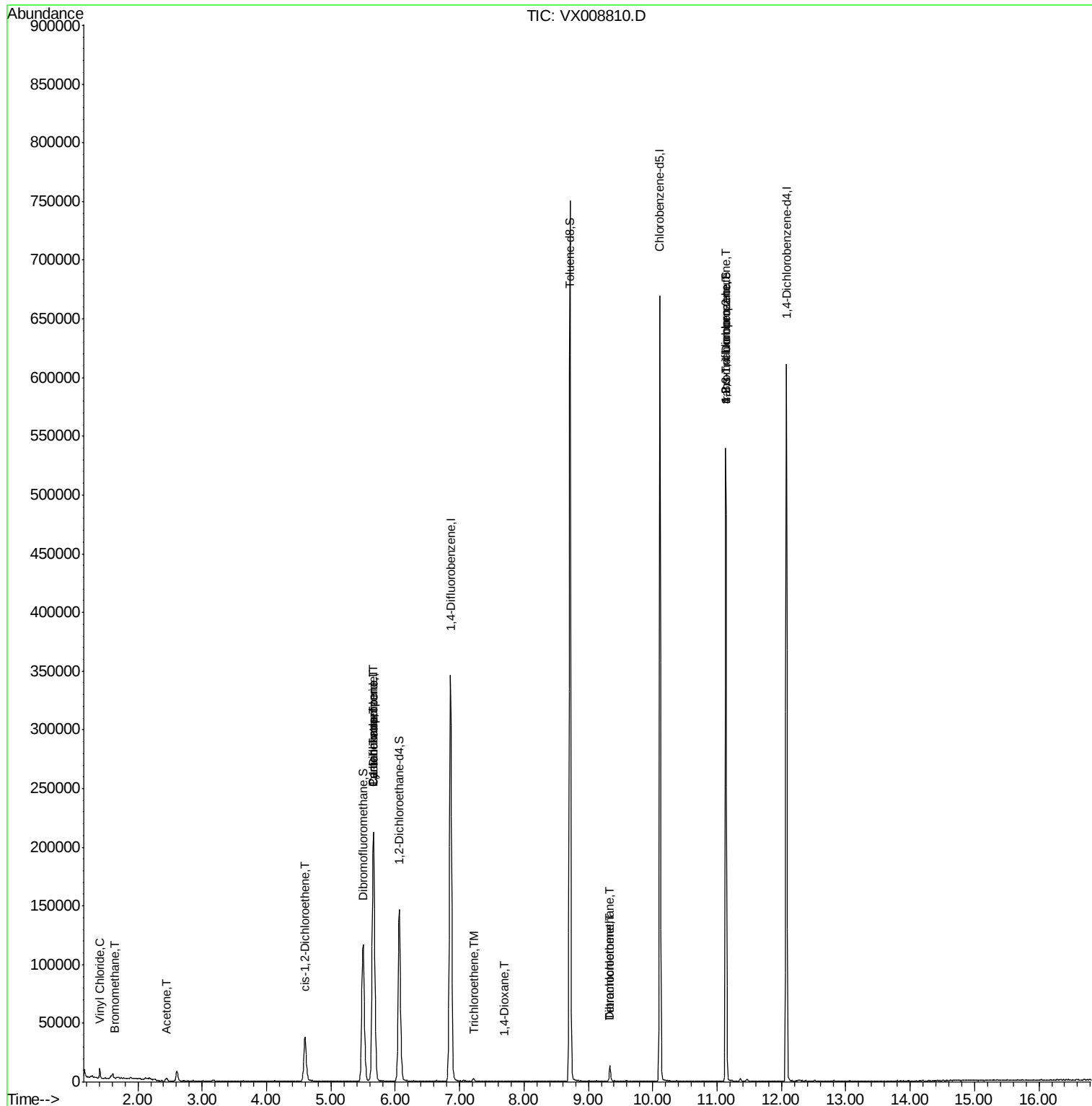
					Qvalue
3) Chloromethane	1.33	50	594	Below Cal	94
4) Vinyl Chloride	1.41	62	6036	1.907 ug/l	100
5) Bromomethane	1.64	94	183	1.998 ug/l	98
6) Chloroethane	1.68	64	243	Below Cal #	43
16) Acetone	2.44	43	3056	1.788 ug/l	93
17) Carbon Disulfide	2.57	76	466	Below Cal #	75
27) cis-1,2-Dichloroethene	4.60	96	23069	7.887 ug/l	89
28) Bromochloromethane	5.03	49	20	Below Cal #	22
31) Cyclohexane	5.67	56	4547	0.887 ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16467	4.489 ug/l #	51
38) Carbon Tetrachloride	5.66	117	19444	6.405 ug/l #	17
44) Trichloroethene	7.21	130	769	0.302 ug/l	95
49) 1,4-Dioxane	7.68	88	21	0.289 ug/l #	1
60) Dibromochloromethane	9.34	129	2237	0.918 ug/l #	11
64) Tetrachloroethene	9.34	164	2540	1.173 ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	72442	21.117 ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72442	58.210 ug/l #	9

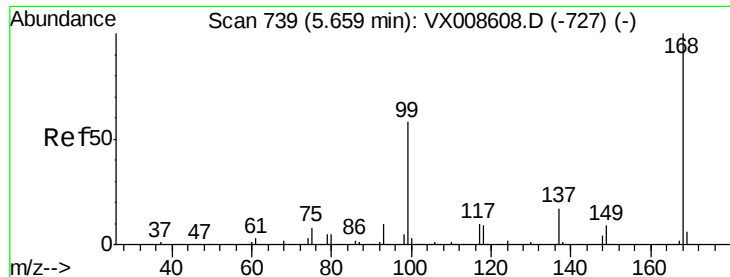
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

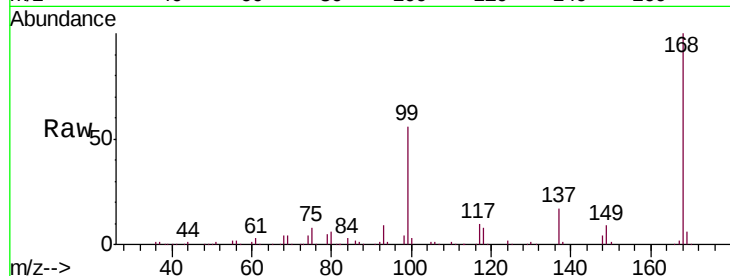
ST006MW008-190409

Tgt Ion:168 Resp: 203455

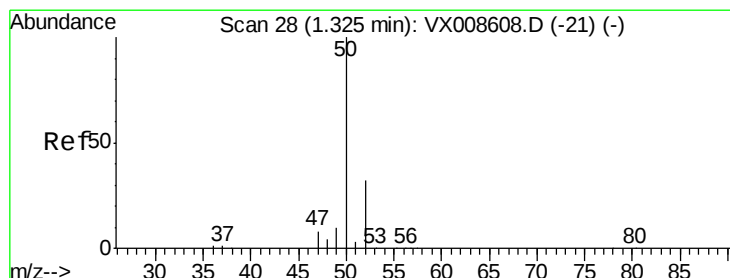
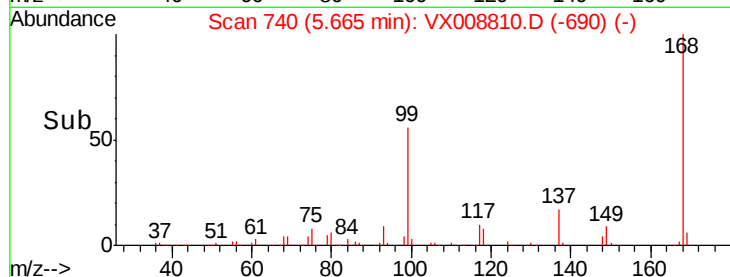
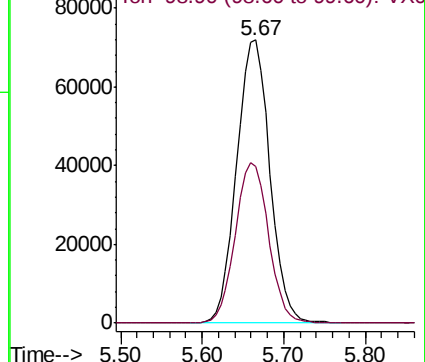
Ion Ratio Lower Upper

168 100

99 55.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008810.D (-690) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008810.D

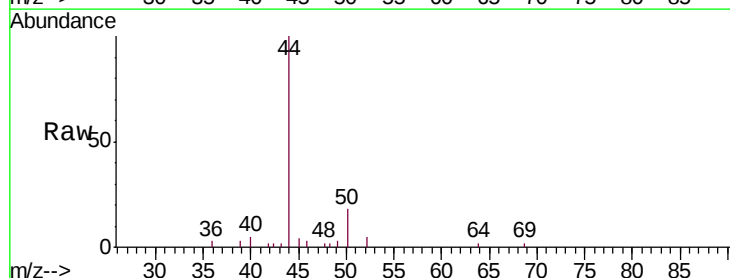
Acq: 10 Apr 2019 17:06

Tgt Ion: 50 Resp: 594

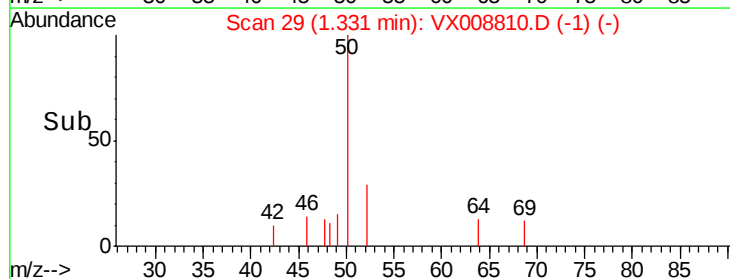
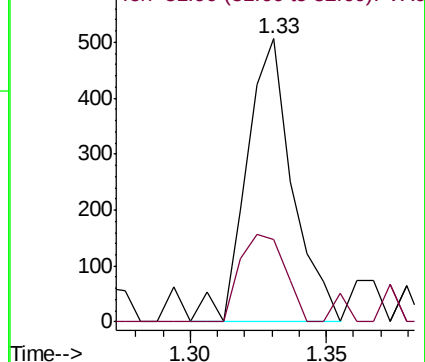
Ion Ratio Lower Upper

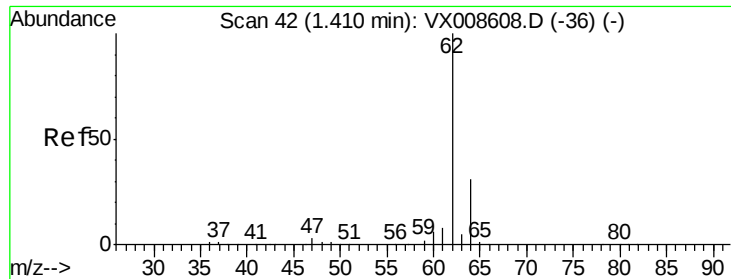
50 100

52 29.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX008810.D (-1) (-)





#4

Vinyl Chloride

Concen: 1.907 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

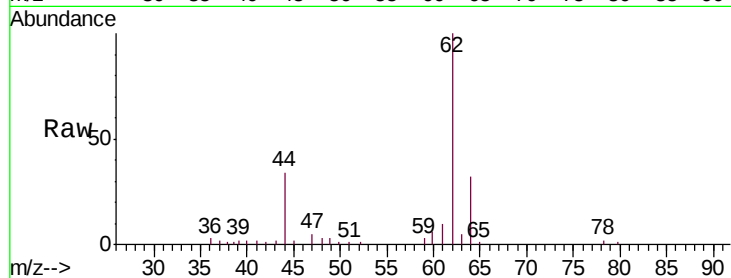
ST006MW008-190409

Tgt Ion: 62 Resp: 6036

Ion Ratio Lower Upper

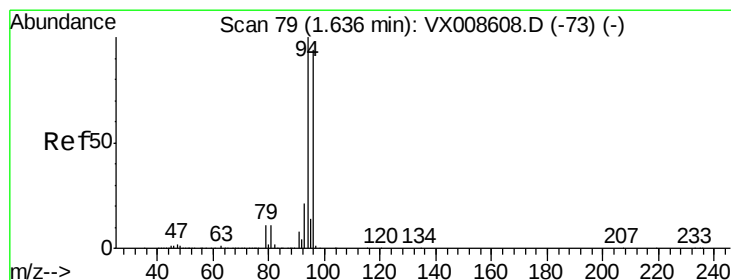
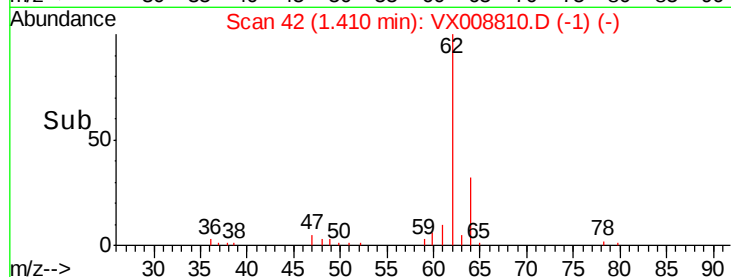
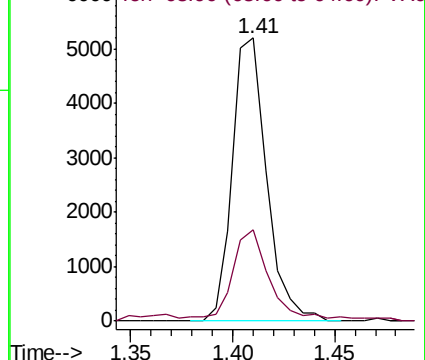
62 100

64 30.7 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: 1.998 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008810.D

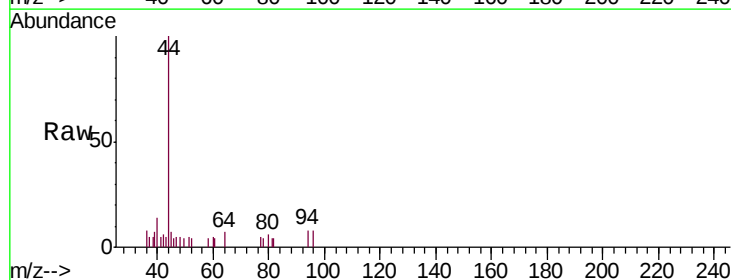
Acq: 10 Apr 2019 17:06

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

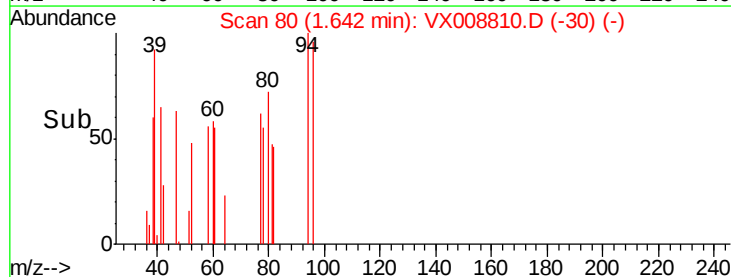
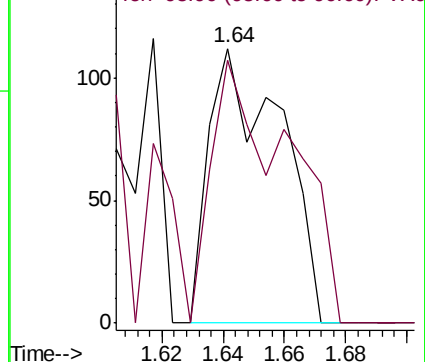
94 100

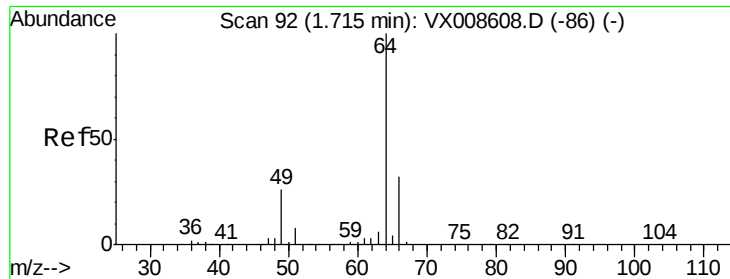
96 95.5 75.2 112.8



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: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

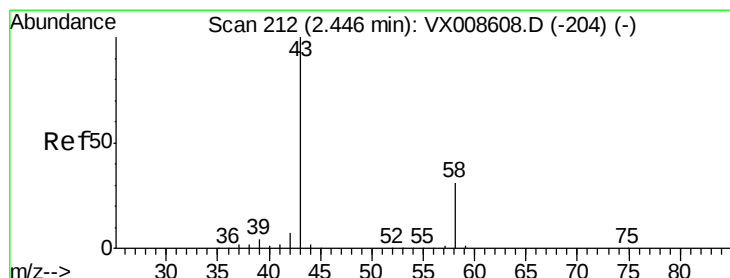
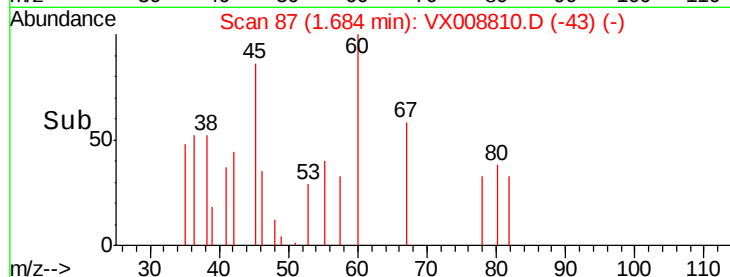
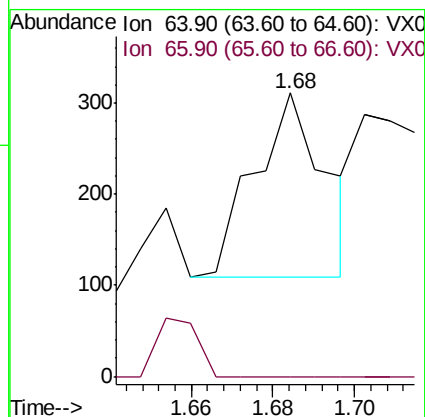
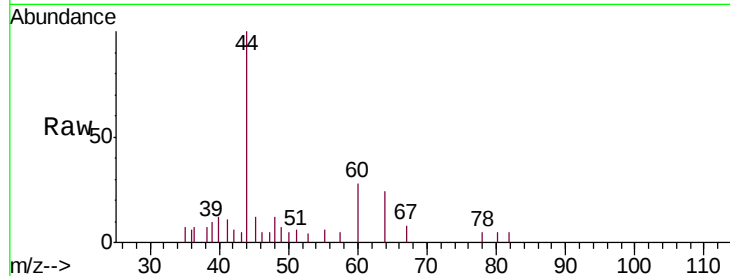
ST006MW008-190409

Tgt Ion: 64 Resp: 243

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#16

Acetone

Concen: 1.788 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008810.D

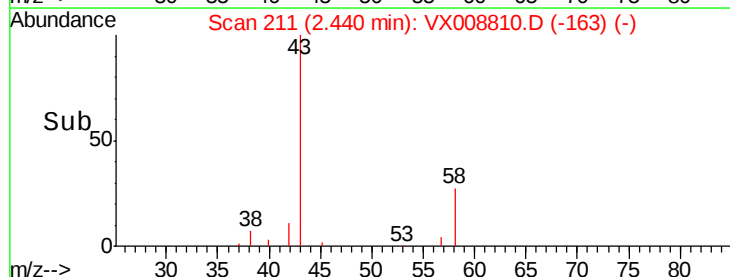
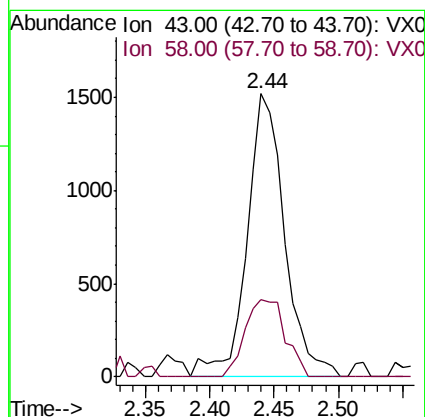
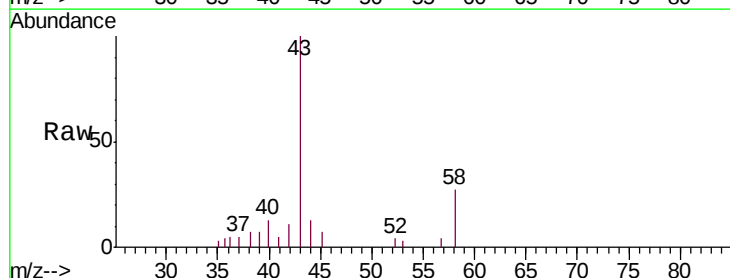
Acq: 10 Apr 2019 17:06

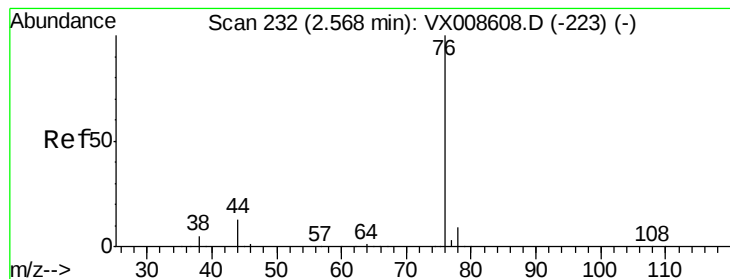
Tgt Ion: 43 Resp: 3056

Ion Ratio Lower Upper

43 100

58 27.2 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

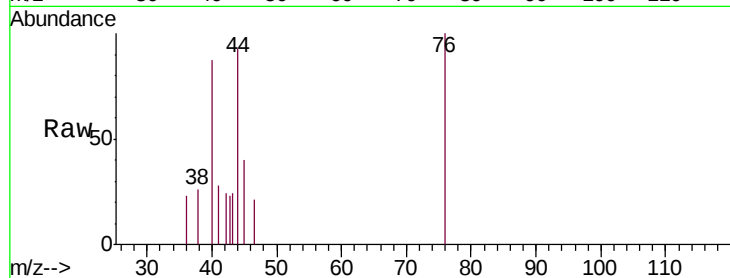
ST006MW008-190409

Tgt Ion: 76 Resp: 466

Ion Ratio Lower Upper

76 100

78 0.0 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

250

200

150

100

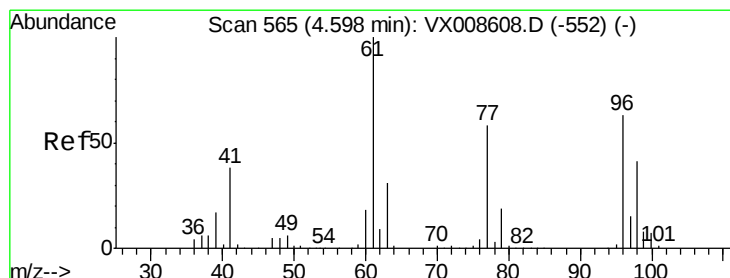
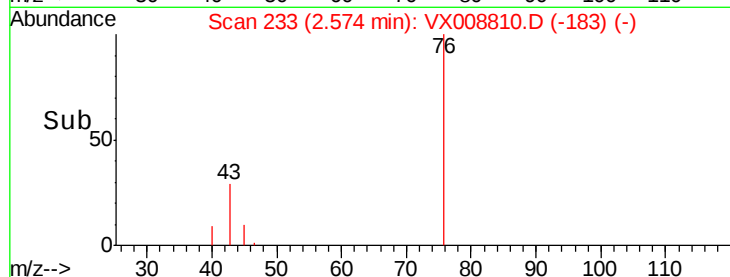
50

0

2.55

2.60

Time-->



#27

cis-1,2-Dichloroethene

Concen: 7.887 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

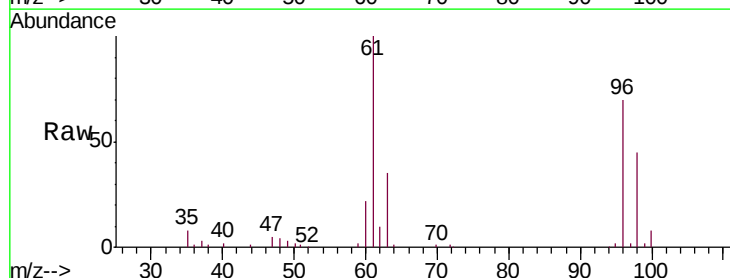
Tgt Ion: 96 Resp: 23069

Ion Ratio Lower Upper

96 100

61 144.4 0.0 327.6

98 65.6 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

15000

10000

5000

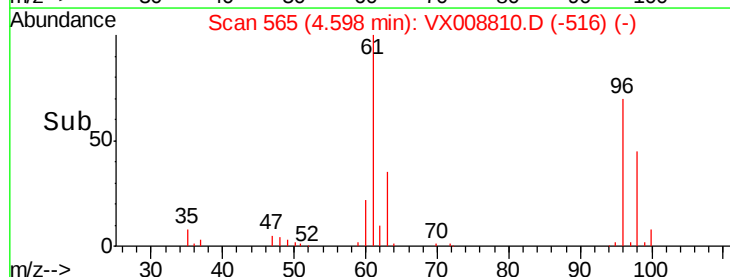
0

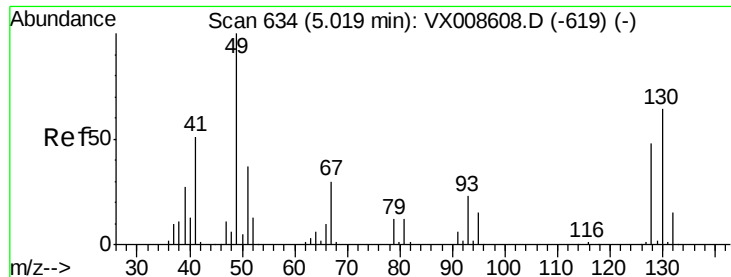
4.50

4.60

4.70

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-190409

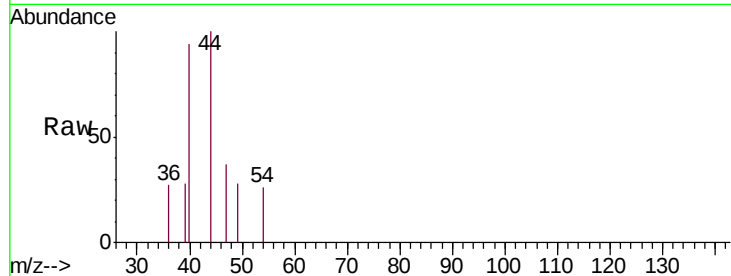
Tgt Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

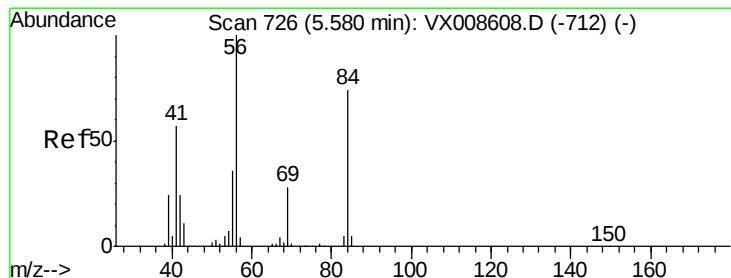
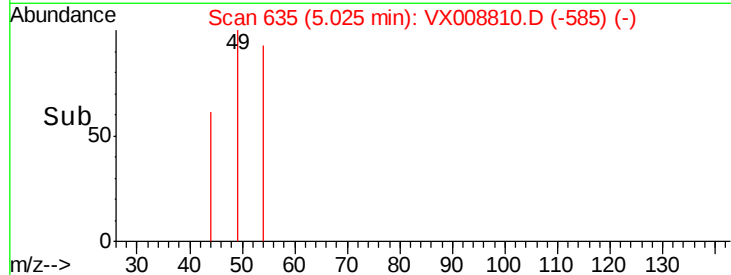
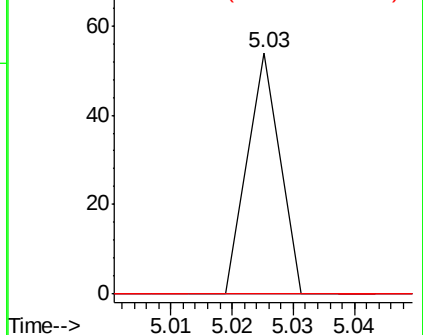
130 0.0 49.3 73.9#



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: 0.887 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

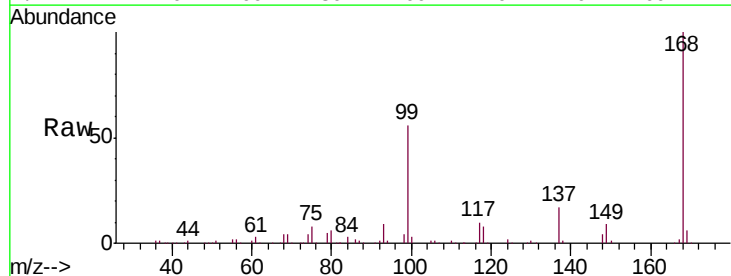
Tgt Ion: 56 Resp: 4547

Ion Ratio Lower Upper

56 100

69 173.1 22.6 33.8#

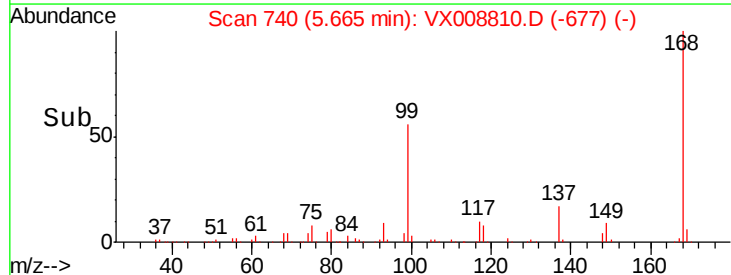
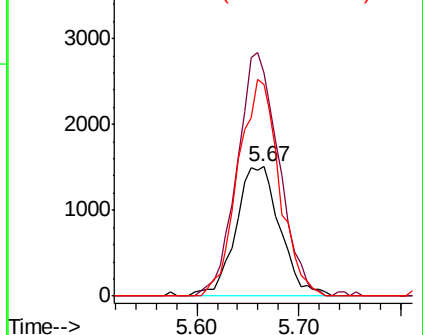
84 163.7 59.3 88.9#

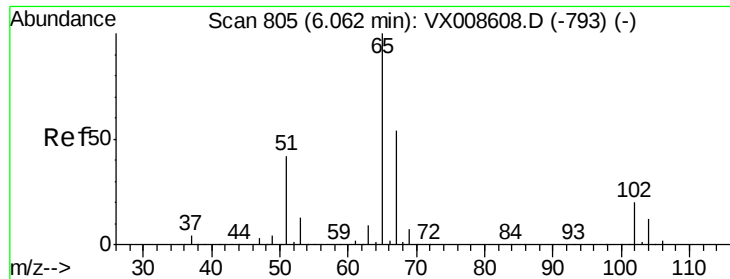


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.384 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

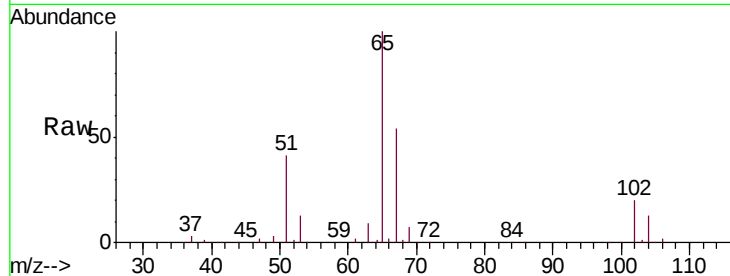
ST006MW008-190409

Tgt Ion: 65 Resp: 137645

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

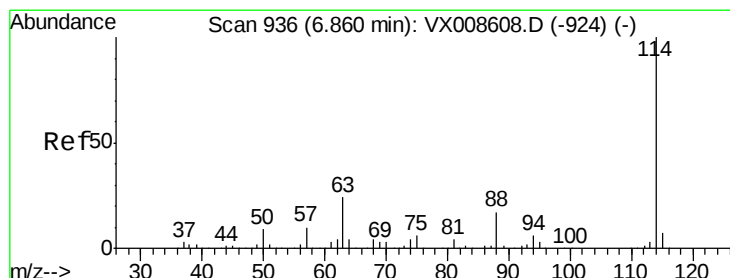
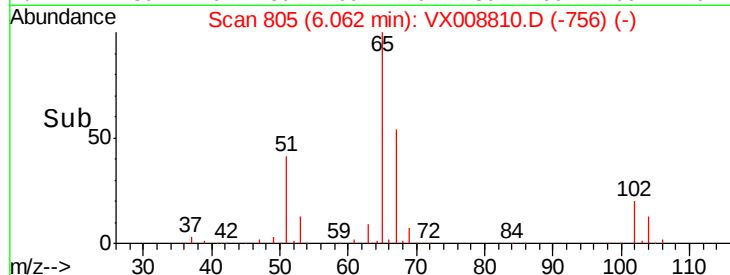
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

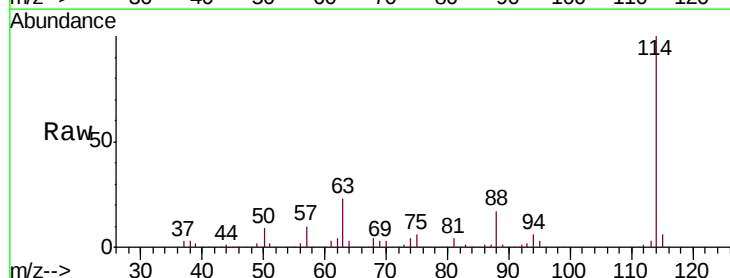
Tgt Ion: 114 Resp: 335567

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.2

88 16.6 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

6.86

200000

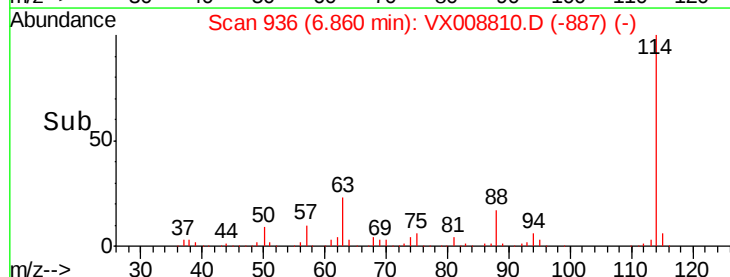
150000

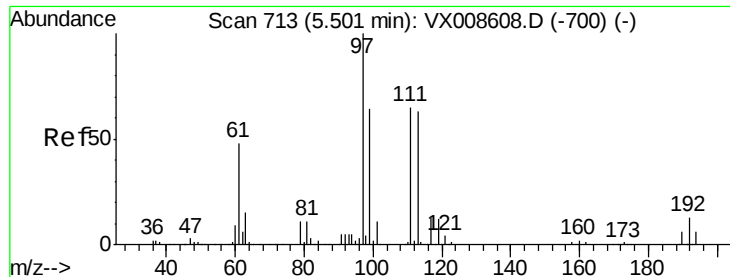
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.055 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-190409

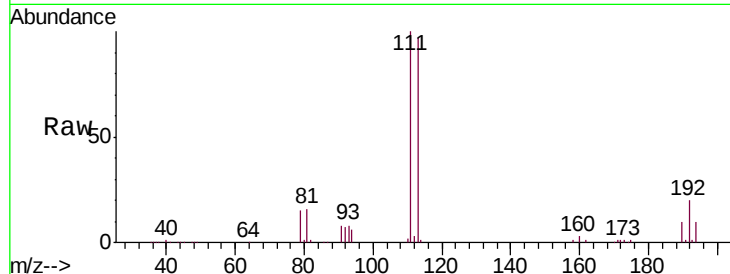
Tgt Ion:113 Resp: 100957

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.2

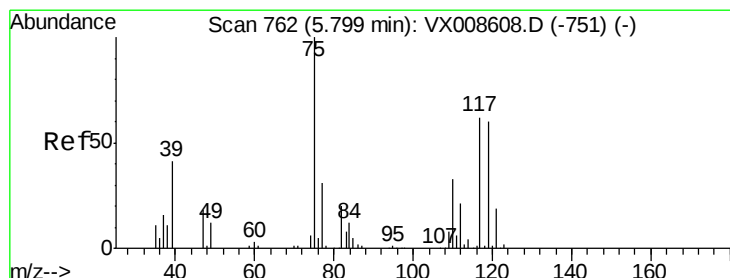
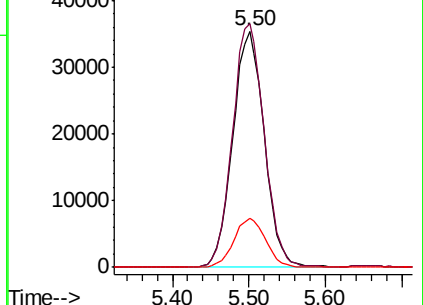
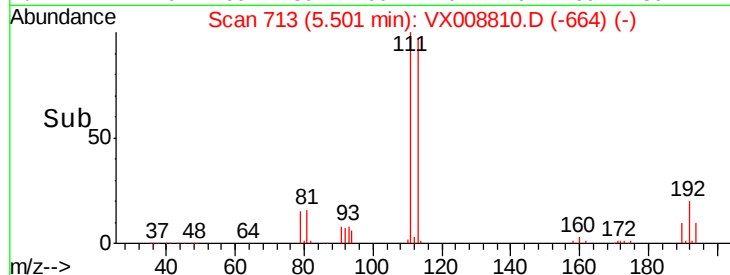
192 21.0 16.1 24.1



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: 4.489 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

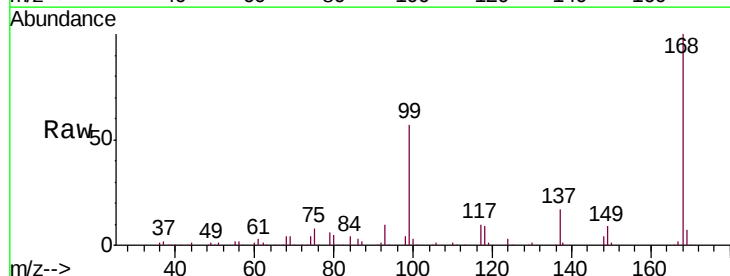
Tgt Ion: 75 Resp: 16467

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.2#

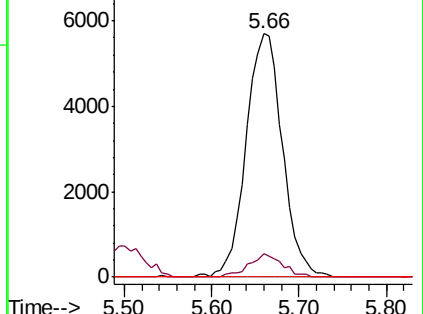
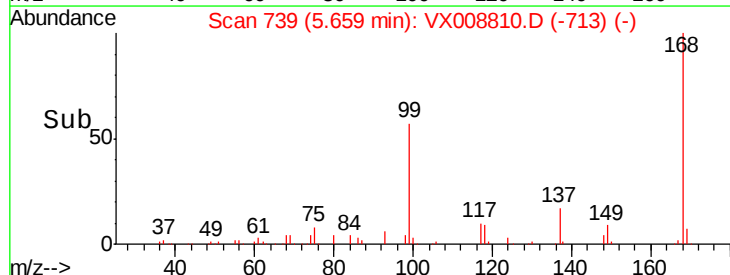
77 0.0 24.7 37.1#

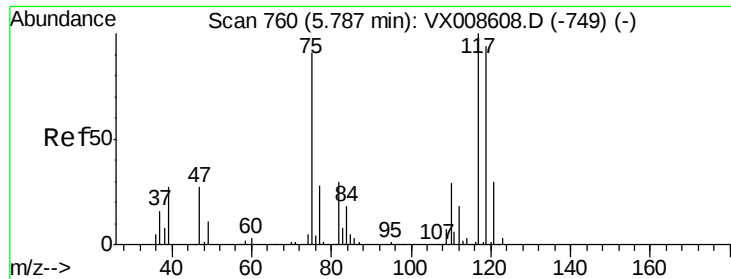


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

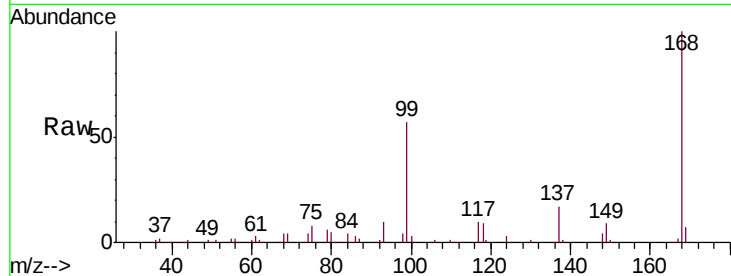




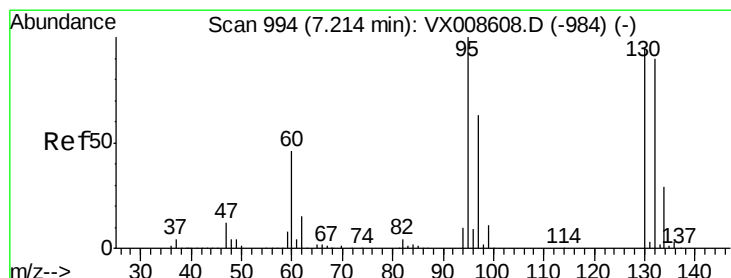
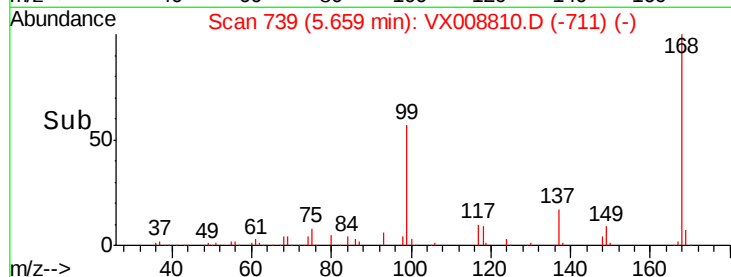
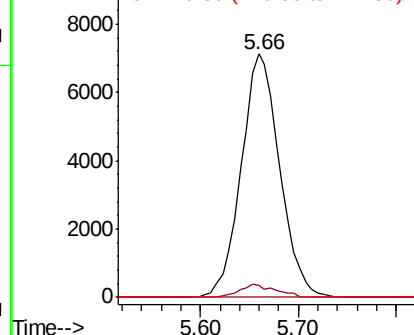
#38
Carbon Tetrachloride
Concen: 6.405 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008810.D
Acq: 10 Apr 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
ST006MW008-190409

Tgt Ion:117 Resp: 19444
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 24.3 36.5#

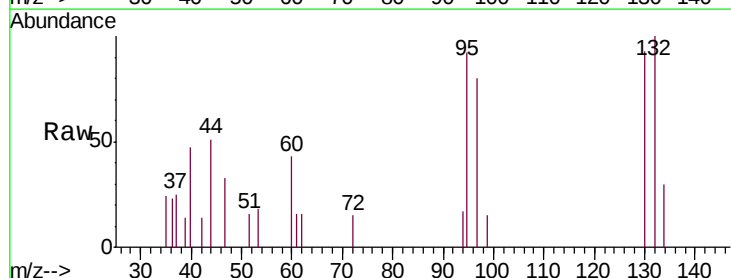


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

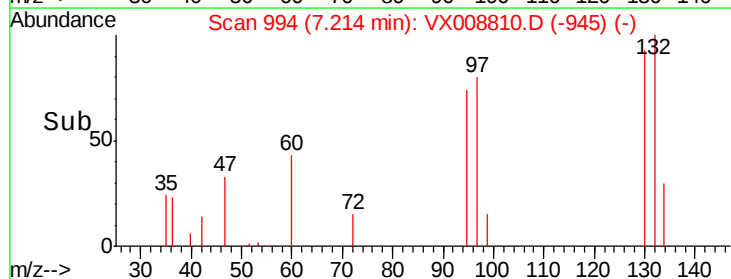
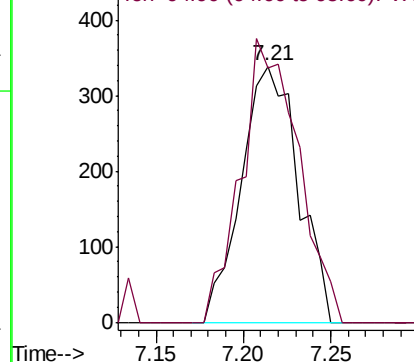


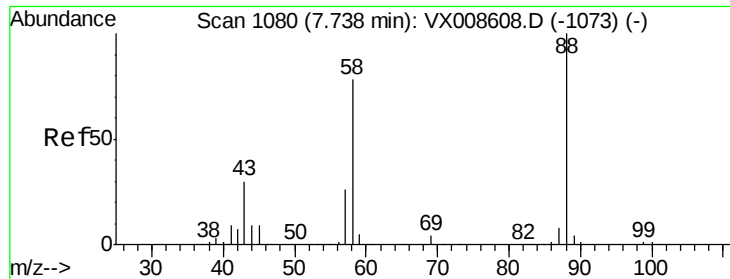
#44
Trichloroethene
Concen: 0.302 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008810.D
Acq: 10 Apr 2019 17:06

Tgt Ion:130 Resp: 769
Ion Ratio Lower Upper
130 100
95 99.4 0.0 209.8



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





#49

1,4-Dioxane

Concen: 0.289 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-190409

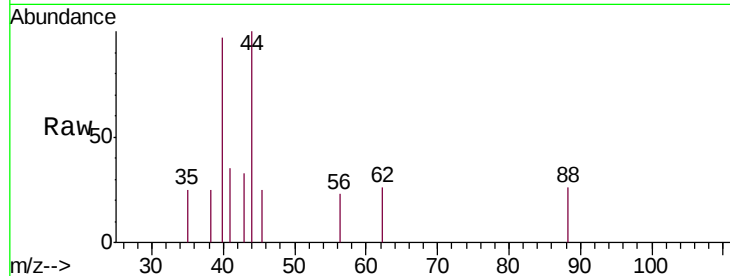
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 628.6 28.6 43.0#

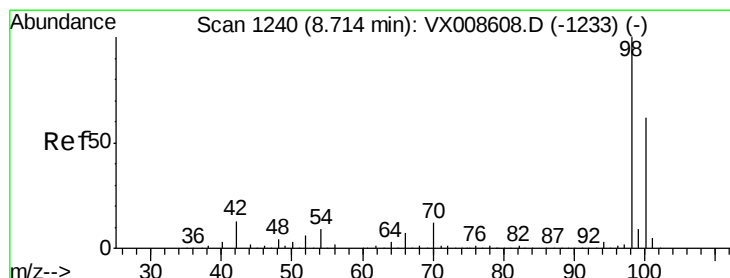
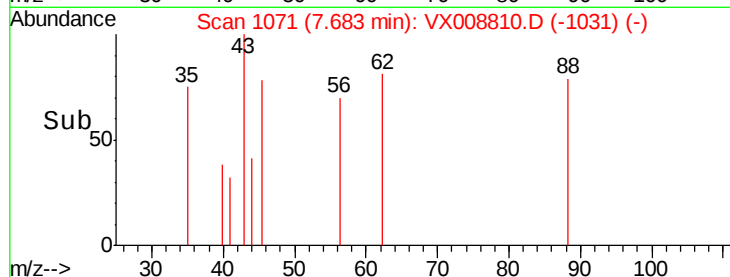
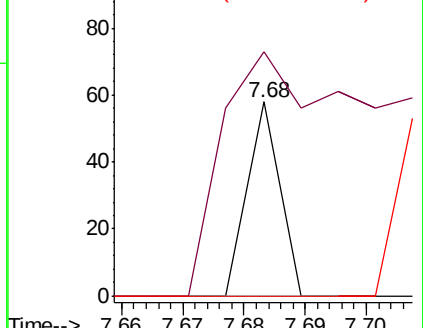
58 0.0 62.2 93.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.184 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008810.D

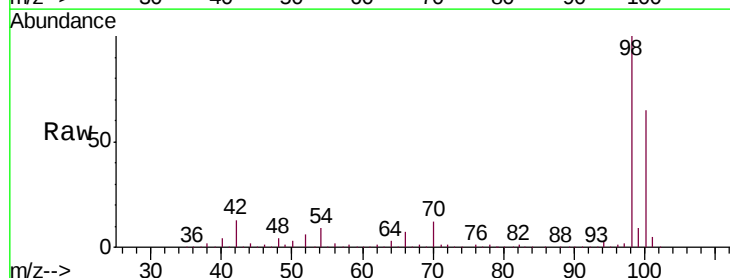
Acq: 10 Apr 2019 17:06

Tgt Ion: 98 Resp: 420167

Ion Ratio Lower Upper

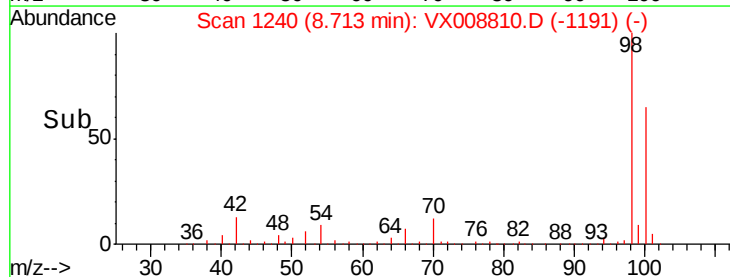
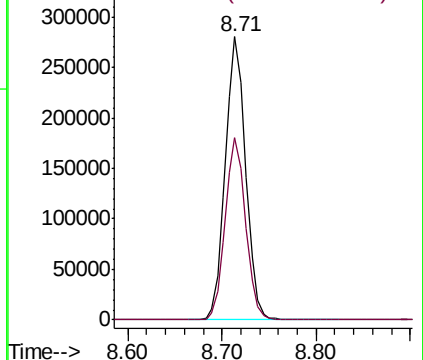
98 100

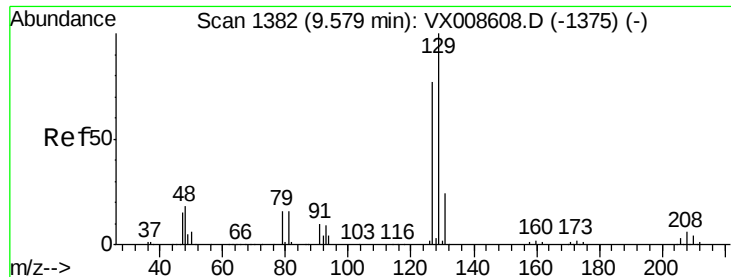
100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.918 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

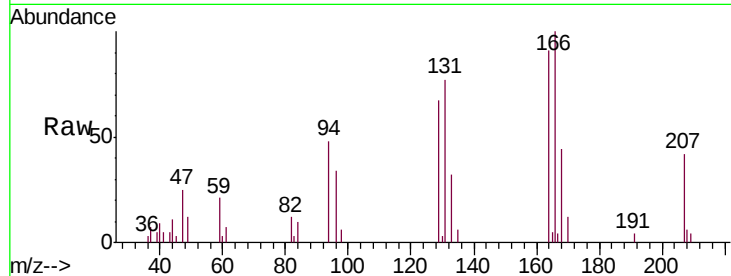
ST006MW008-190409

Tgt Ion:129 Resp: 2237

Ion Ratio Lower Upper

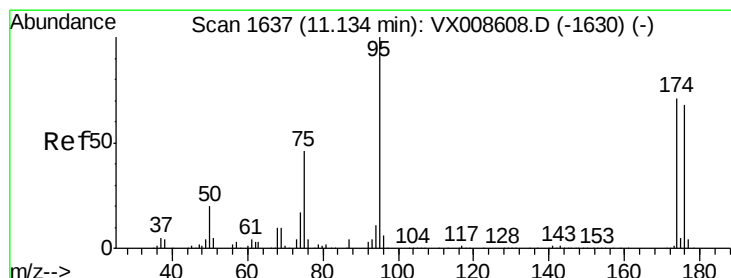
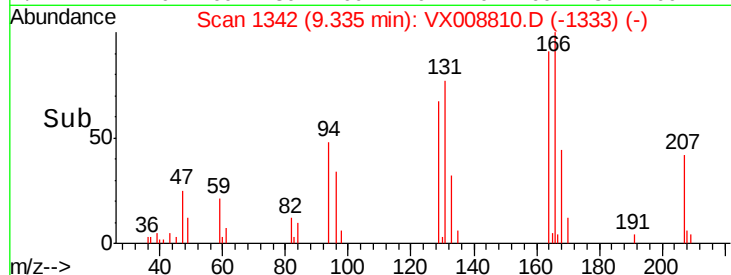
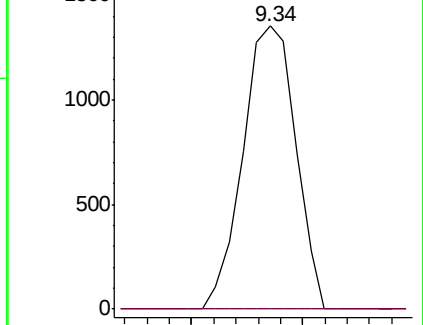
129 100

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



#62

4-Bromofluorobenzene

Concen: 46.795 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

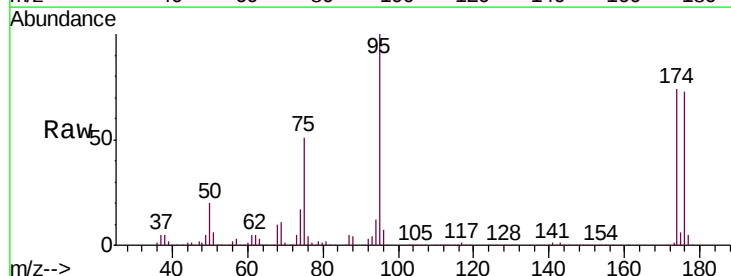
Tgt Ion: 95 Resp: 141762

Ion Ratio Lower Upper

95 100

174 78.1 0.0 151.8

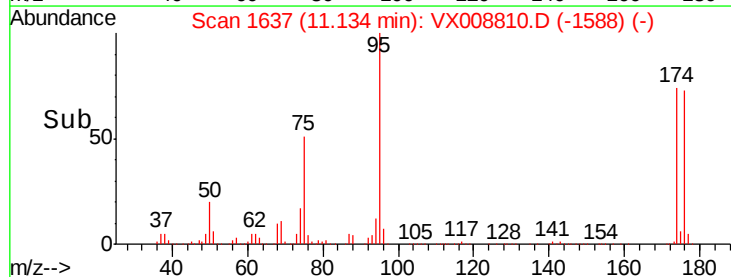
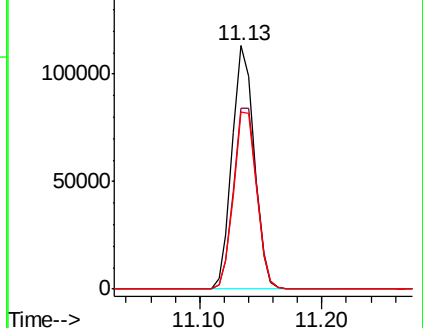
176 75.6 0.0 145.8

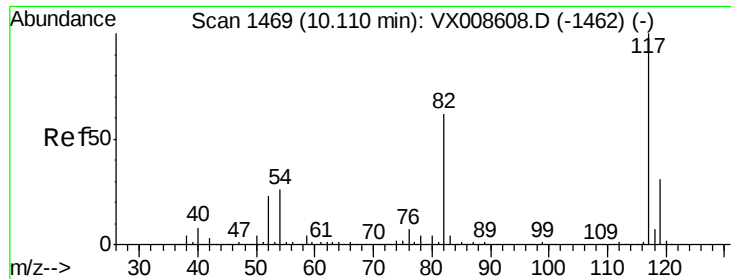


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

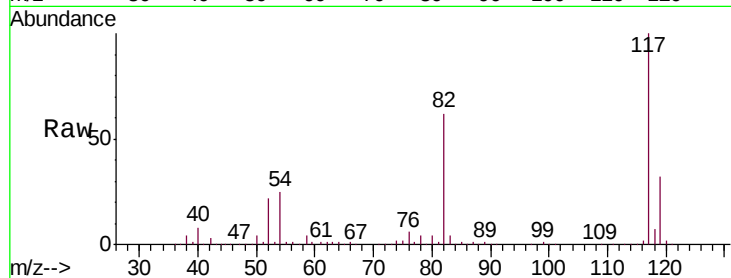




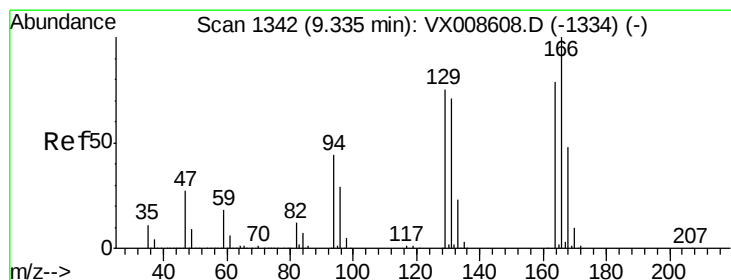
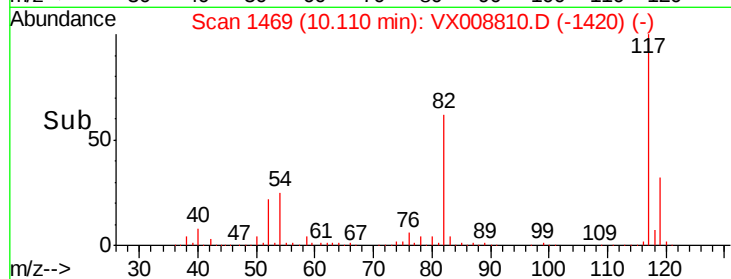
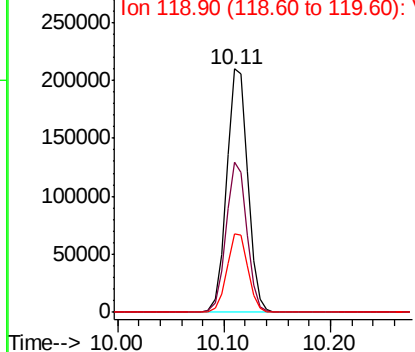
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008810.D
Acq: 10 Apr 2019 17:06

Instrument :
MSVOA_X
ClientSampleId :
ST006MW008-190409

Tgt Ion:117 Resp: 292254
Ion Ratio Lower Upper
117 100
82 61.7 49.6 74.4
119 32.3 25.0 37.4

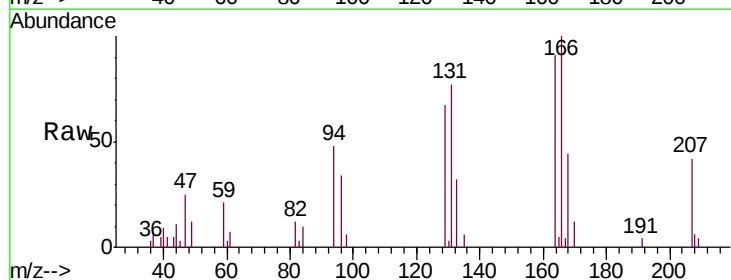


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

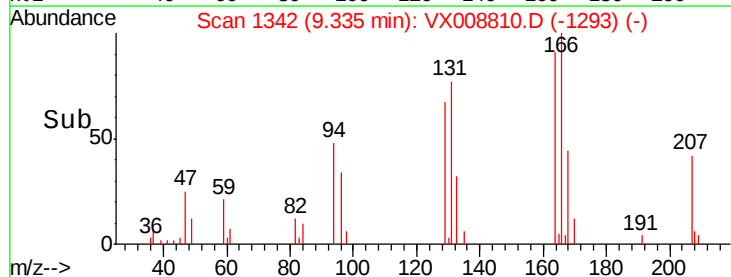
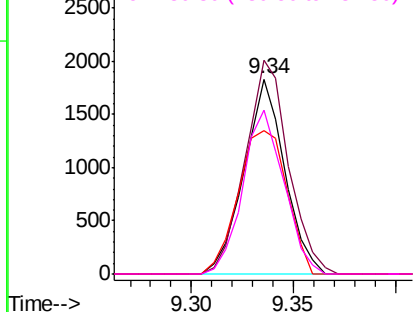


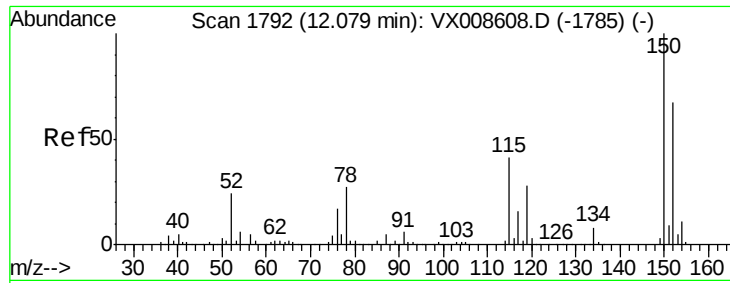
#64
Tetrachloroethene
Concen: 1.173 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008810.D
Acq: 10 Apr 2019 17:06

Tgt Ion:164 Resp: 2540
Ion Ratio Lower Upper
164 100
166 109.5 101.0 151.6
129 73.8 75.8 113.8#
131 83.9 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: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-190409

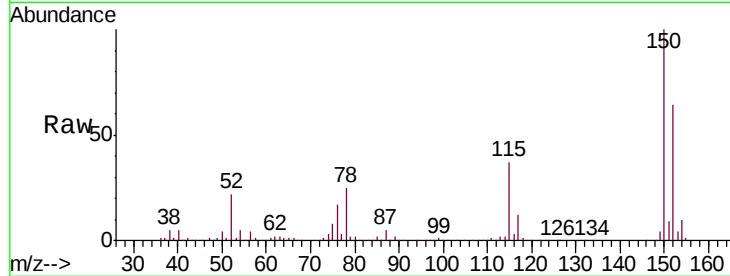
Tgt Ion: 152 Resp: 124877

Ion Ratio Lower Upper

152 100

115 59.3 43.5 130.5

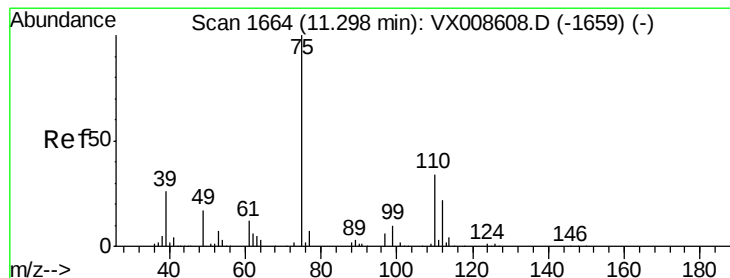
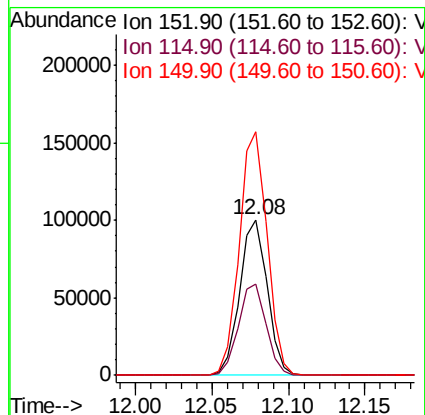
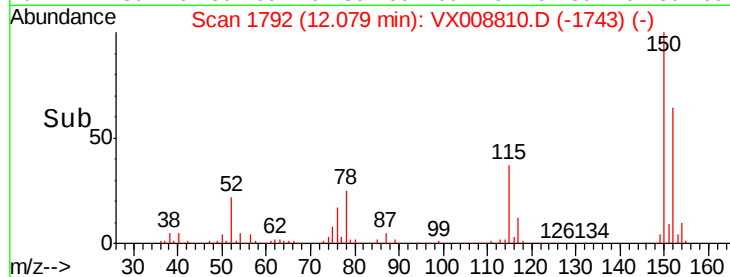
150 158.0 0.0 348.8



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: 21.117 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008810.D

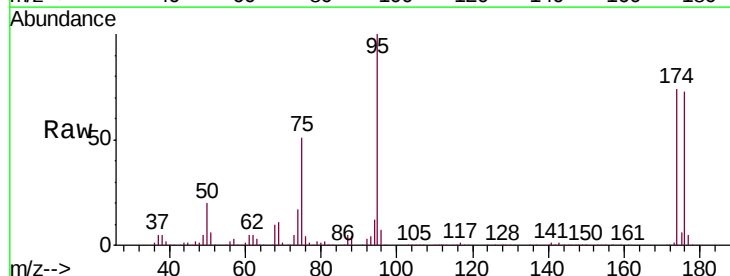
Acq: 10 Apr 2019 17:06

Tgt Ion: 75 Resp: 72442

Ion Ratio Lower Upper

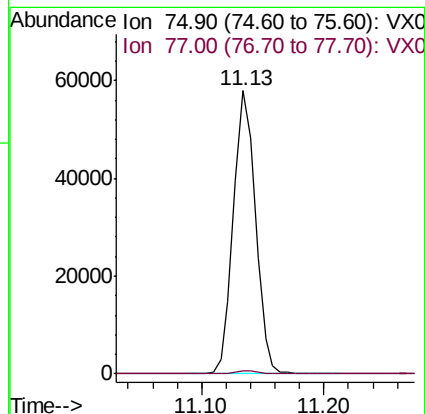
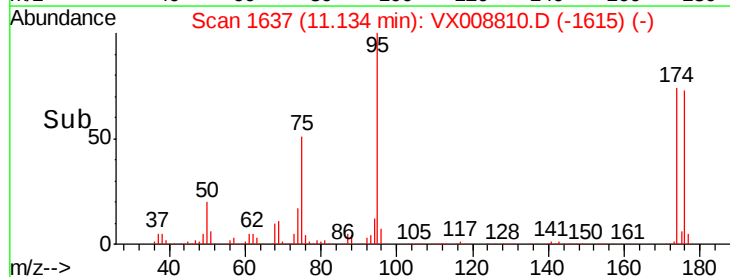
75 100

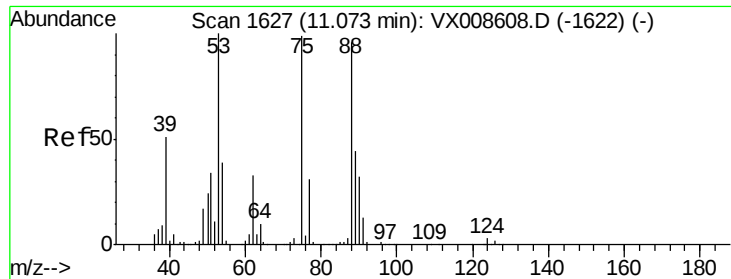
77 1.2 22.3 66.8#



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: 58.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008810.D

Acq: 10 Apr 2019 17:06

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-190409

Tgt Ion: 75 Resp: 72442

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

