

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008730.D
 Acq On : 06 Apr 2019 18:58
 Operator : JC/SP
 Sample : K2295-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW307-190403

Quant Time: Apr 08 01:56:41 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	205350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119641	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	140475	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	5.50	113	102877	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	428874	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	138889	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

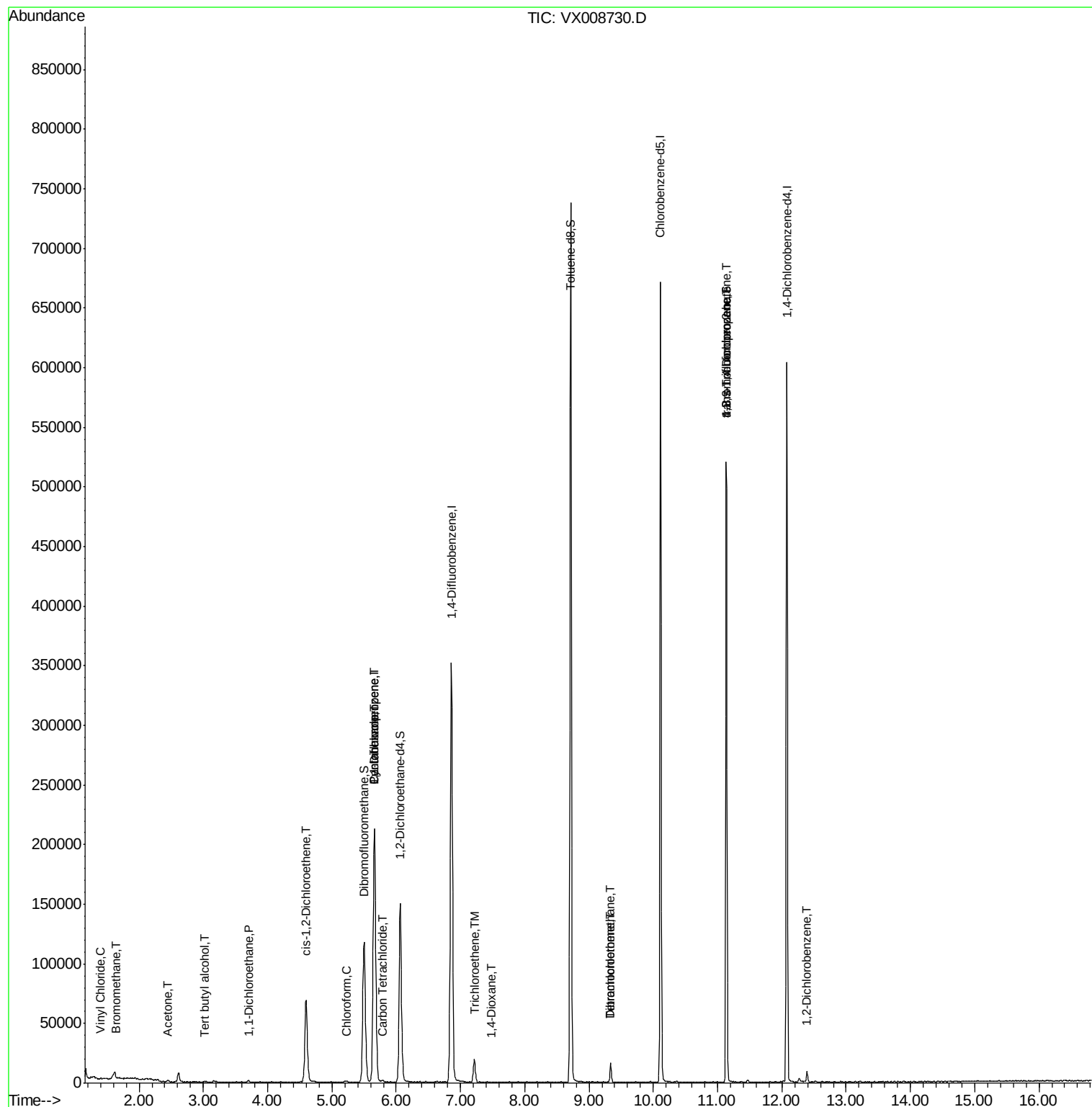
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	430	Below Cal	#	64
4) Vinyl Chloride	1.40	62	708	0.222	ug/l	100
5) Bromomethane	1.65	94	348	2.098	ug/l #	69
6) Chloroethane	1.78	64	1950	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	324	0.462	ug/l #	72
16) Acetone	2.45	43	1326	0.769	ug/l	95
17) Carbon Disulfide	2.57	76	417	Below Cal	#	50
24) 1,1-Dichloroethane	3.70	63	1145	0.221	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	43205	14.634	ug/l	89
28) Bromochloromethane	4.99	49	20	Below Cal	#	22
30) Chloroform	5.22	83	971	0.210	ug/l #	71
31) Cyclohexane	5.66	56	4824	0.932	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16746	4.490	ug/l #	50
38) Carbon Tetrachloride	5.79	117	792	0.257	ug/l #	84
44) Trichloroethene	7.21	130	6954	2.687	ug/l	93
49) 1,4-Dioxane	7.48	88	19	0.257	ug/l #	1
60) Dibromochloromethane	9.34	129	3050	1.231	ug/l #	11
64) Tetrachloroethene	9.34	164	3139	1.450	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	70106	21.331	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	70106	58.799	ug/l #	9
91) 1,2-Dichlorobenzene	12.39	146	2772	0.654	ug/l	98

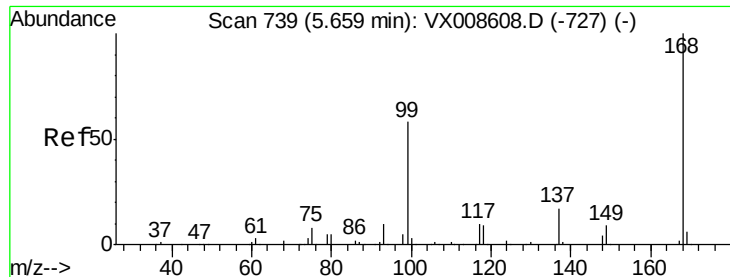
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040619\
Data File : VX008730.D
Acq On : 06 Apr 2019 18:58
Operator : JC/SP
Sample : K2295-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-190403

Quant Time: Apr 08 01:56:41 2019
Quant Method : Z:\V0ASRV\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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

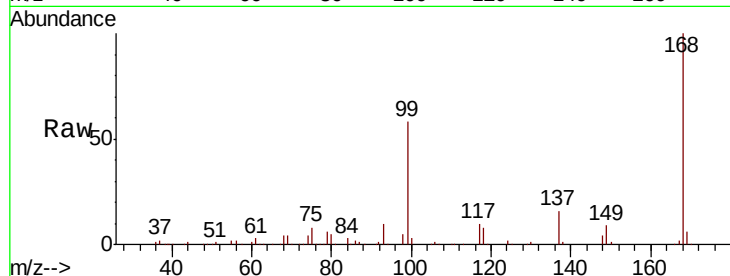
SS037MW307-190403

Tot Ion:168 Resp: 205350

Ion Ratio Lower Upper

168 100

99 57.8 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

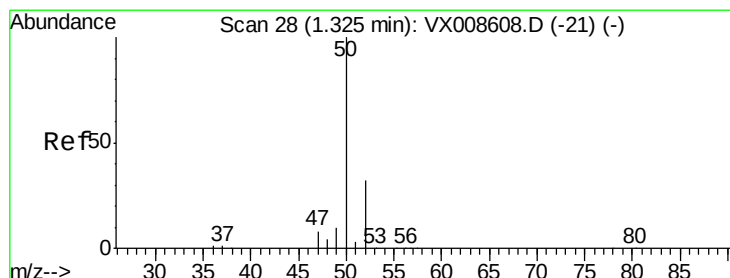
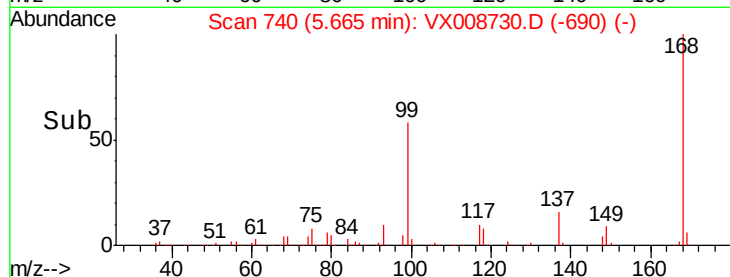
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008730.D

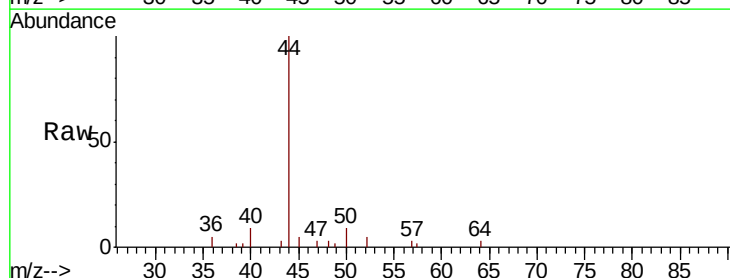
Acq: 06 Apr 2019 18:58

Tgt Ion: 50 Resp: 430

Ion Ratio Lower Upper

50 100

52 52.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

250

200

150

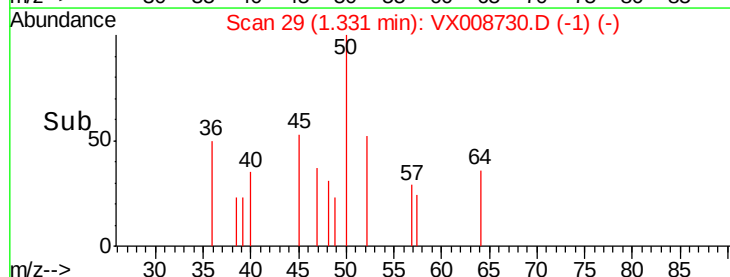
100

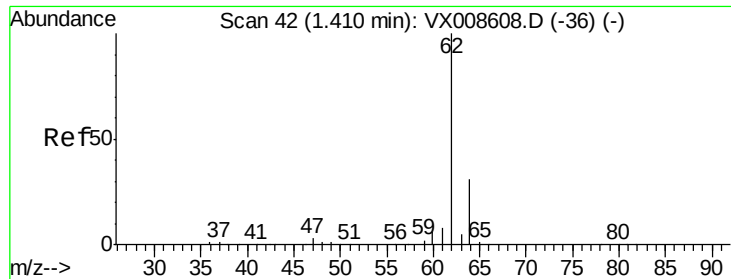
50

0

Time-->

1.25 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.222 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

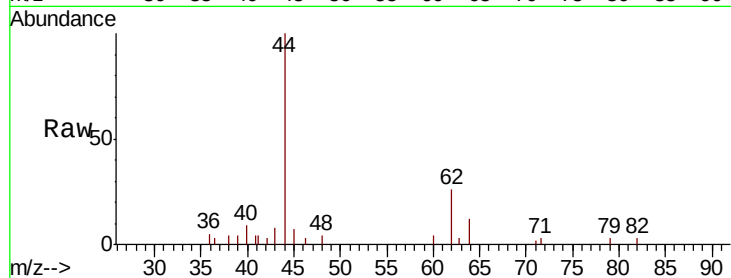
SS037MW307-190403

Tot Ion: 62 Resp: 708

Ion Ratio Lower Upper

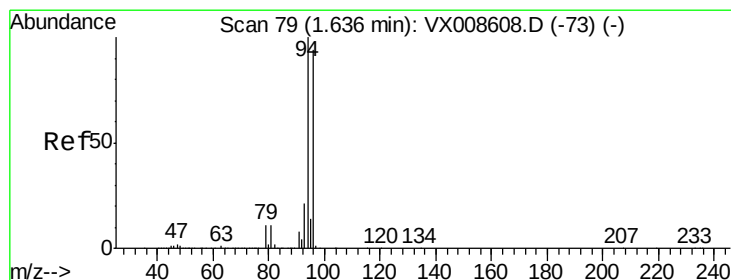
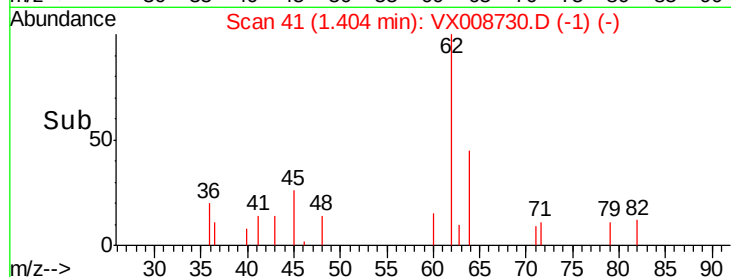
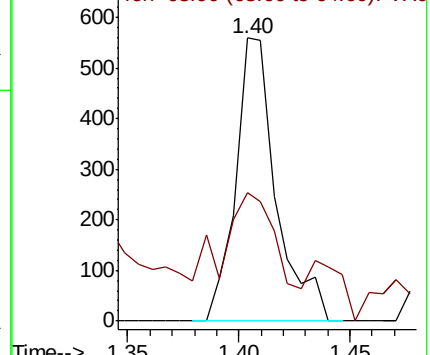
62 100

64 31.1 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: 2.098 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008730.D

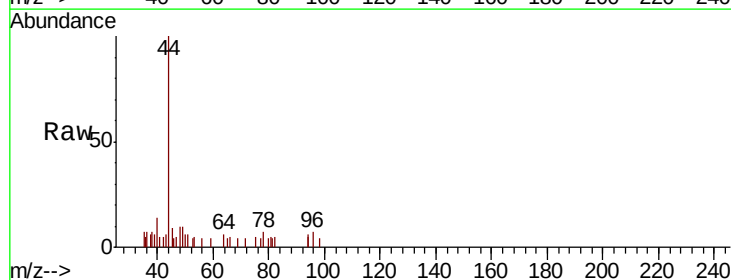
Acq: 06 Apr 2019 18:58

Tgt Ion: 94 Resp: 348

Ion Ratio Lower Upper

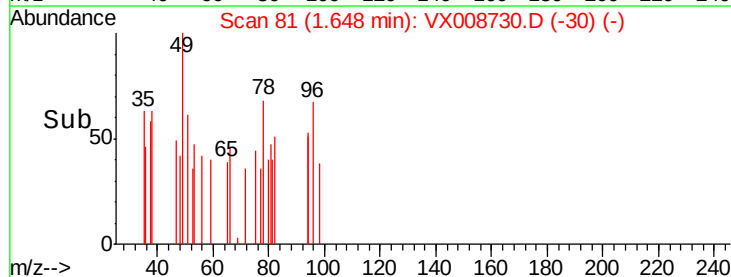
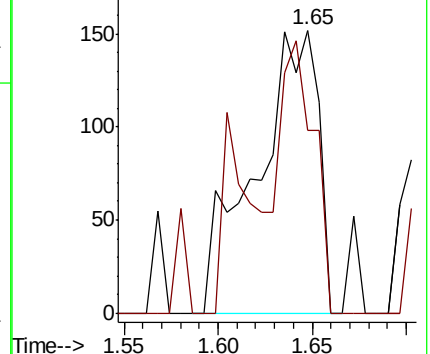
94 100

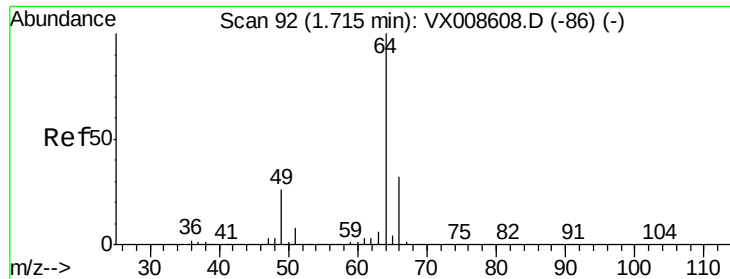
96 64.5 75.2 112.8#



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: 1.78 min Scan# 103

Delta R.T. 0.07 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

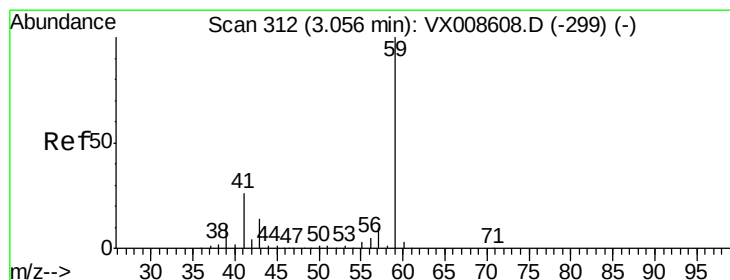
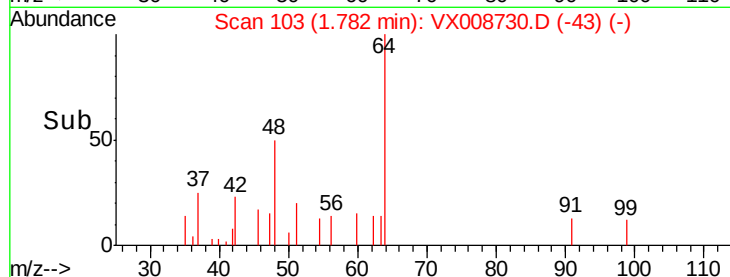
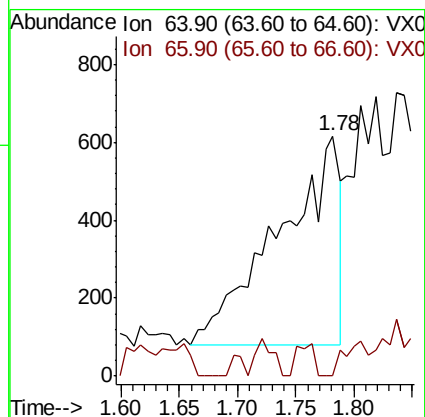
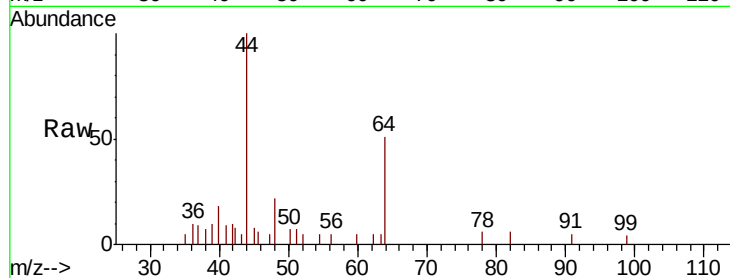
SS037MW307-190403

Tot Ion: 64 Resp: 1950

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#11

Tert butyl alcohol

Concen: 0.462 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.04 min

Lab File: VX008730.D

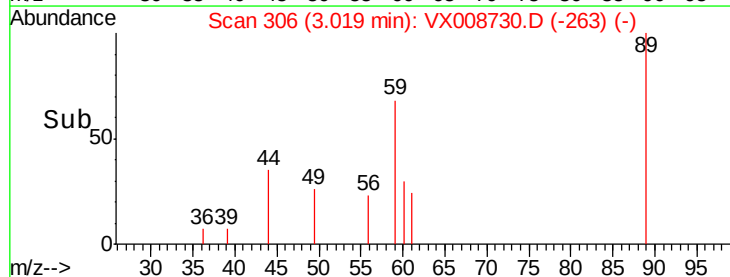
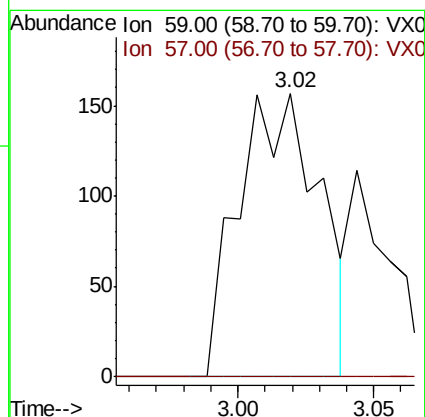
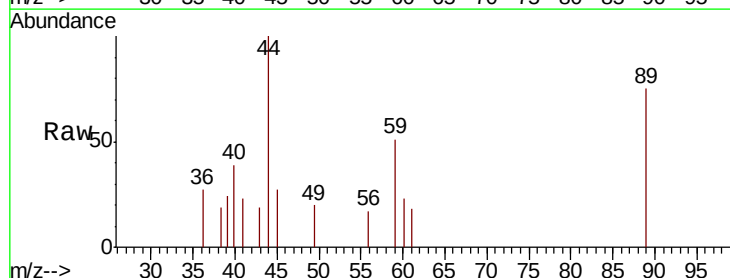
Acq: 06 Apr 2019 18:58

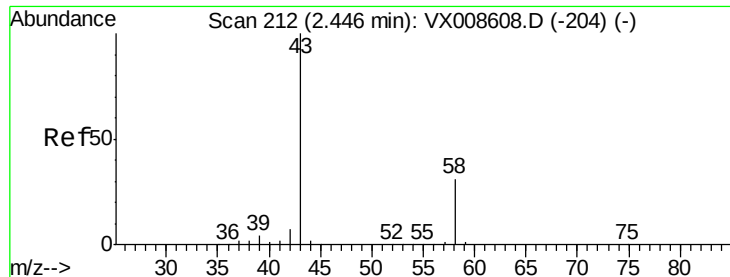
Tgt Ion: 59 Resp: 324

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.769 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

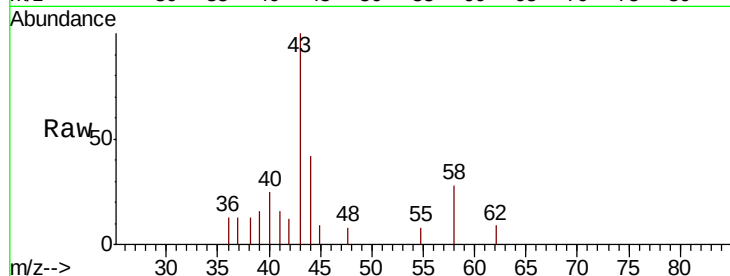
SS037MW307-190403

Tot Ion: 43 Resp: 1326

Ion Ratio Lower Upper

43 100

58 28.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

600

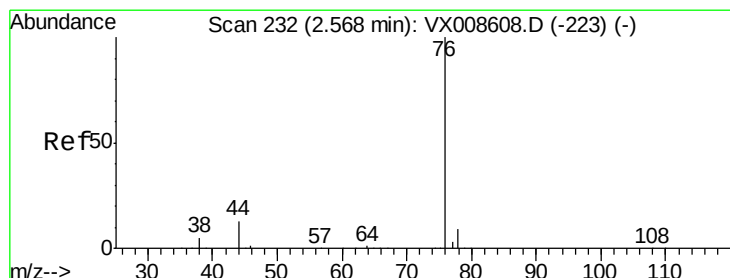
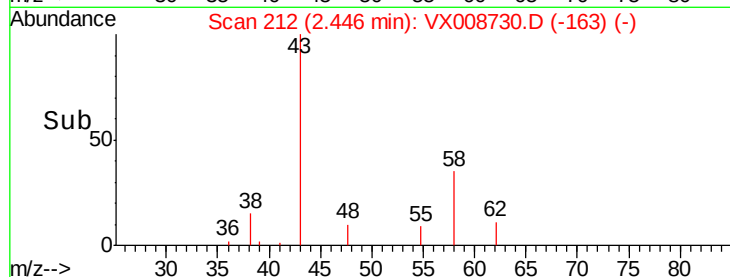
400

200

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008730.D

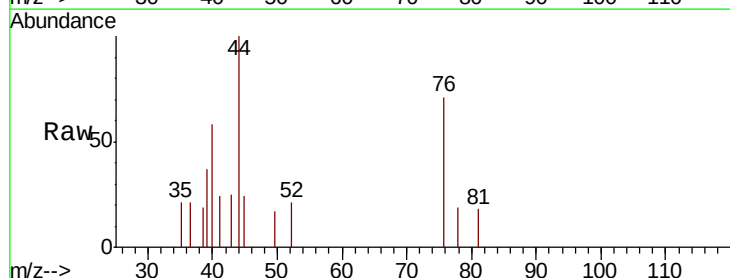
Acq: 06 Apr 2019 18:58

Tgt Ion: 76 Resp: 417

Ion Ratio Lower Upper

76 100

78 26.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250

200

150

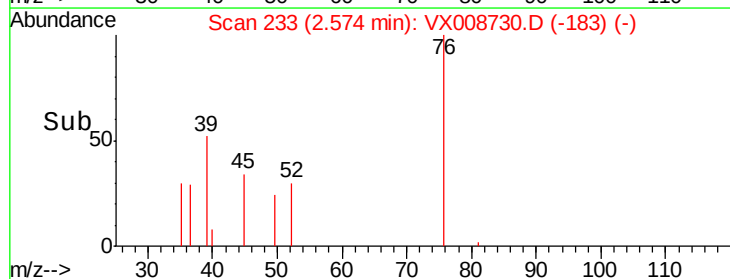
100

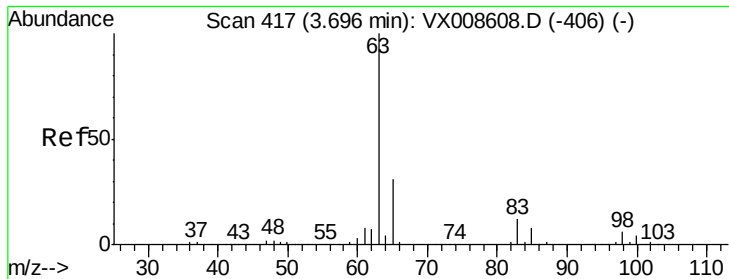
50

0

2.55 2.57 2.60

Time-->





#24

1,1-Dichloroethane

Concen: 0.221 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-190403

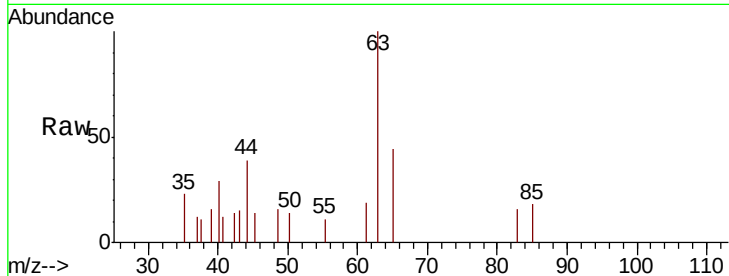
Tot Ion: 63 Resp: 1145

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

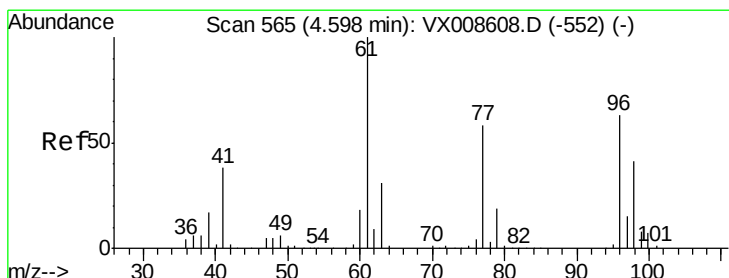
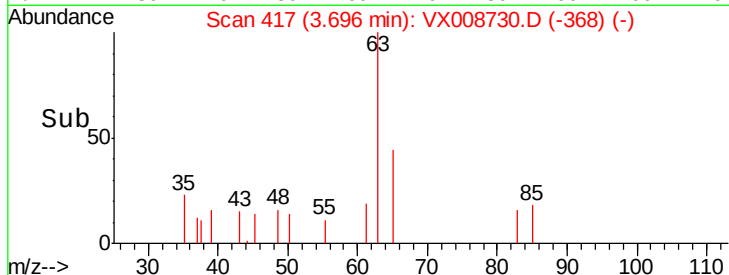
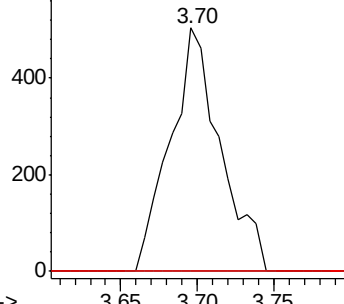
100 0.0 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 14.634 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

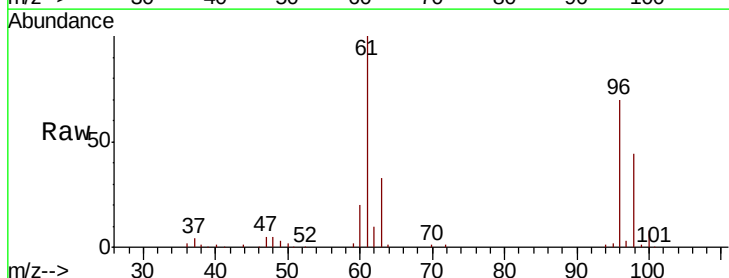
Tgt Ion: 96 Resp: 43205

Ion Ratio Lower Upper

96 100

61 143.2 0.0 327.6

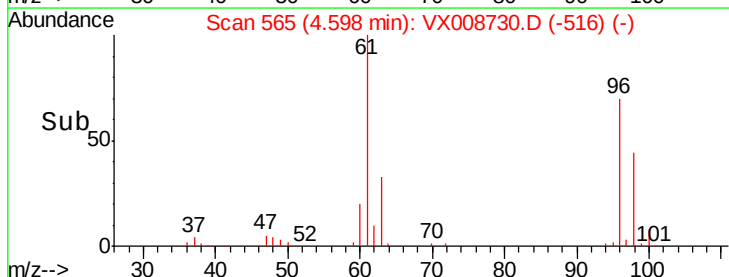
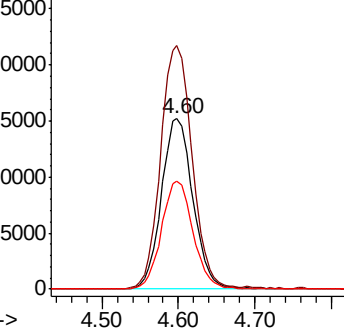
98 63.4 0.0 128.6

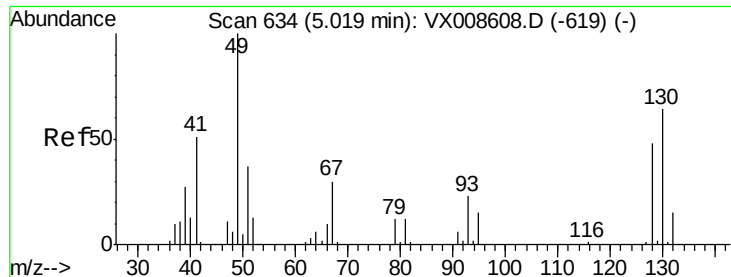


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.03 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-190403

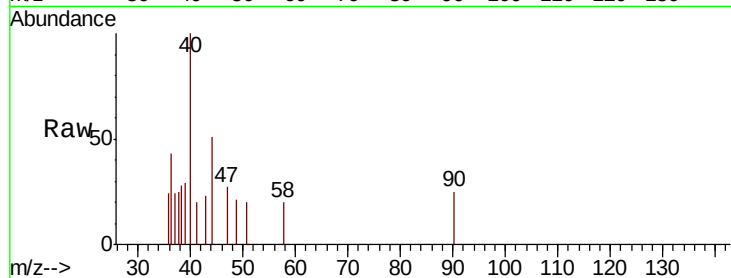
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

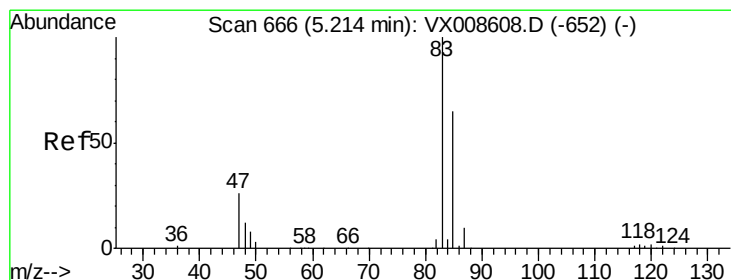
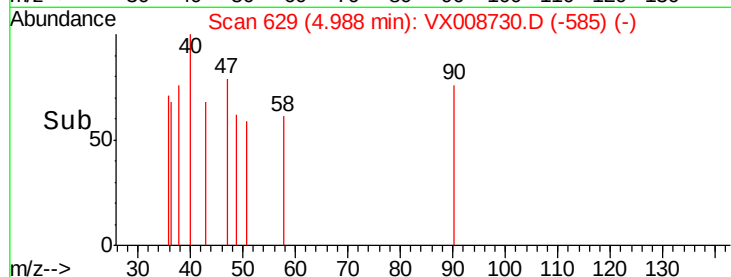
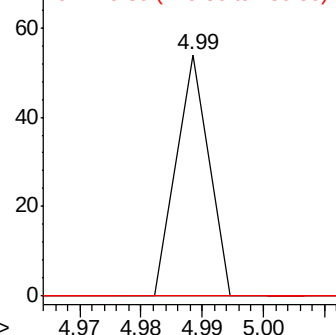
130 0.0 49.3 73.9#



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



#30

Chloroform

Concen: 0.210 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX008730.D

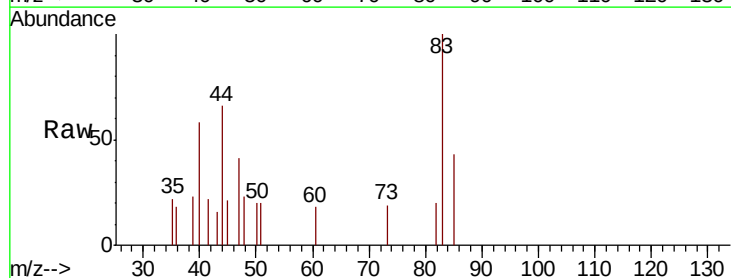
Acq: 06 Apr 2019 18:58

Tgt Ion: 83 Resp: 971

Ion Ratio Lower Upper

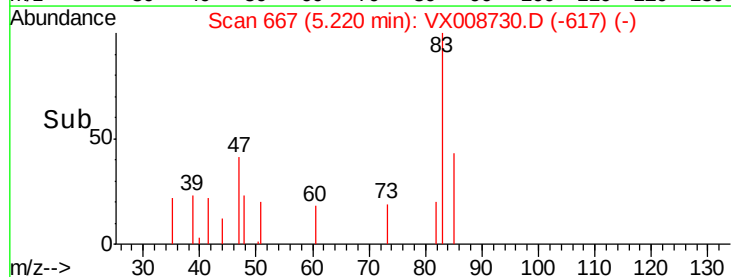
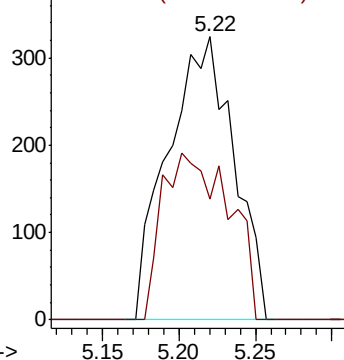
83 100

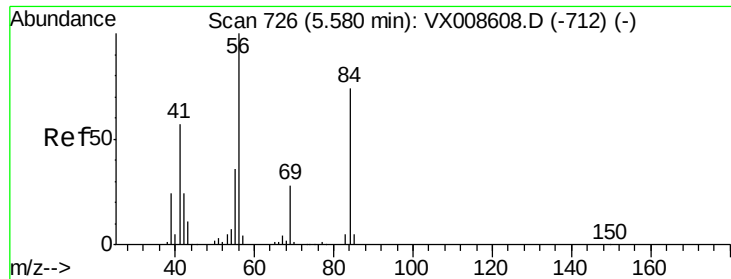
85 42.6 52.1 78.1#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

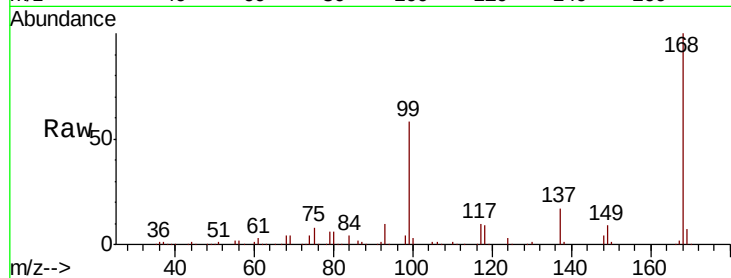




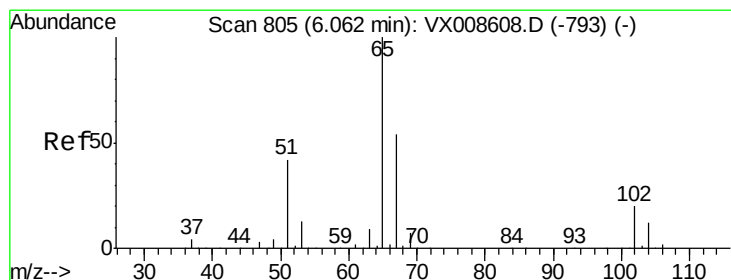
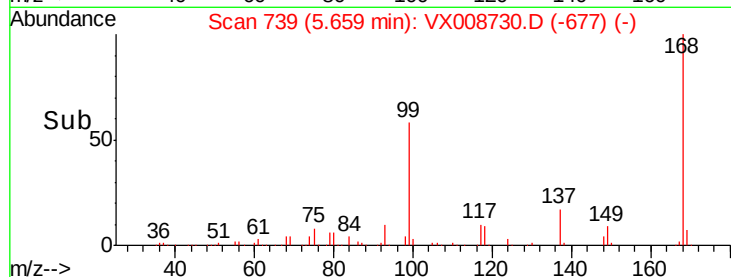
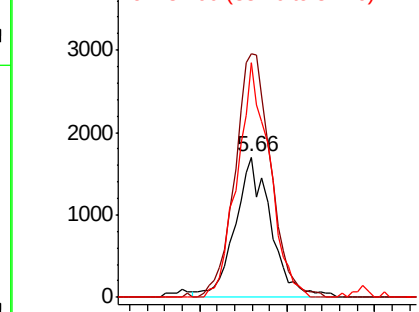
#31
Cyclohexane
Concen: 0.932 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008730.D
Acq: 06 Apr 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-190403

Tot Ion: 56 Resp: 4824
Ion Ratio Lower Upper
56 100
69 173.4 22.6 33.8#
84 167.1 59.3 88.9#

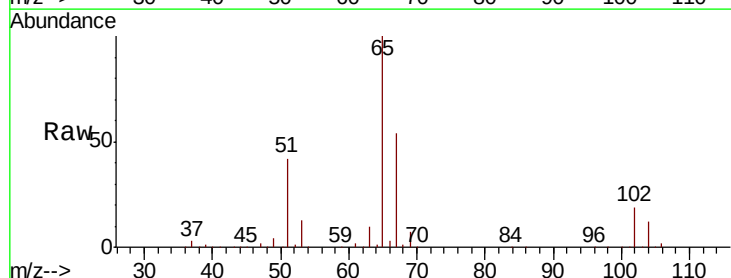


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

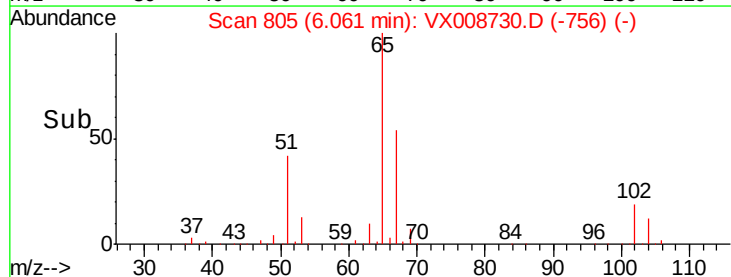
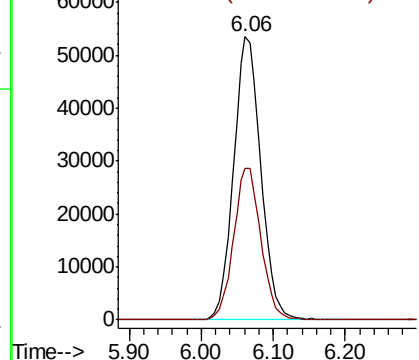


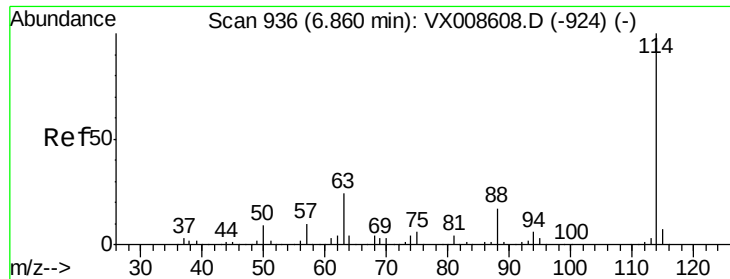
#33
1,2-Dichloroethane-d4
Concen: 46.901 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008730.D
Acq: 06 Apr 2019 18:58

Tgt Ion: 65 Resp: 140475
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

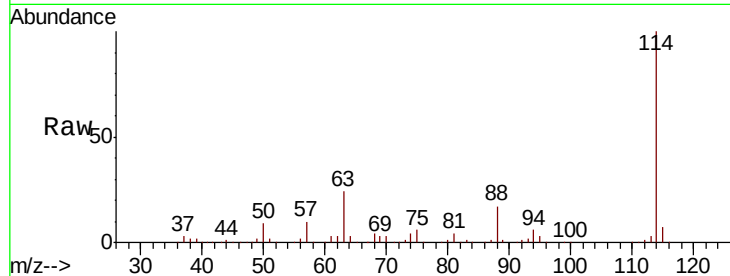




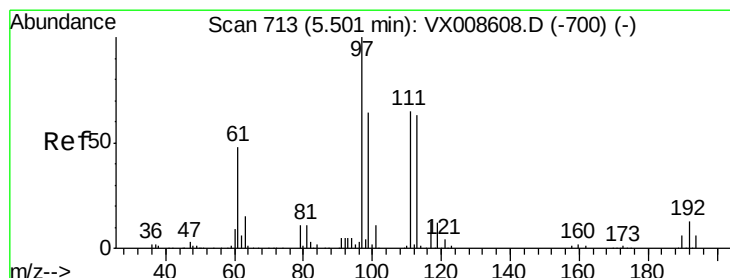
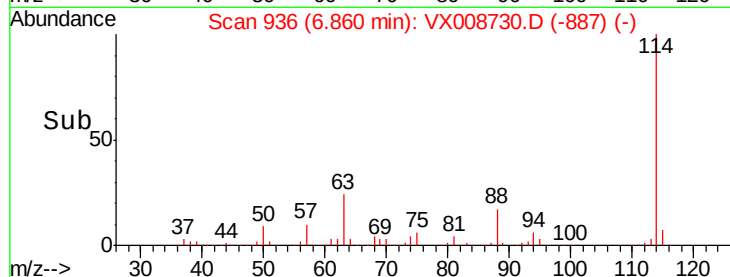
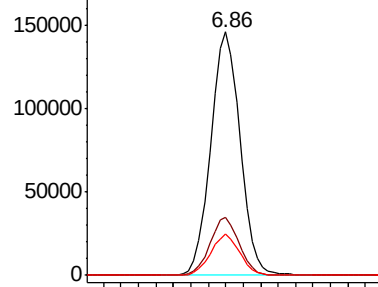
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008730.D
 Acq: 06 Apr 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW307-190403

Tot Ion:114 Resp: 341173
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 16.8 0.0 34.0

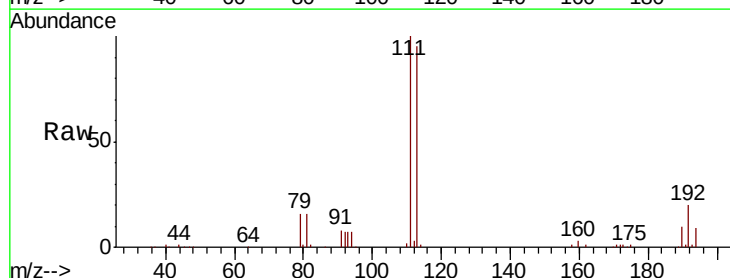


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

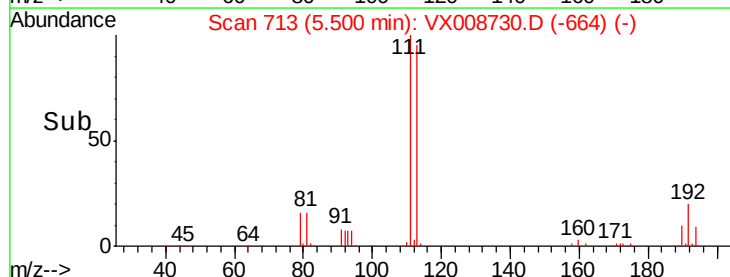
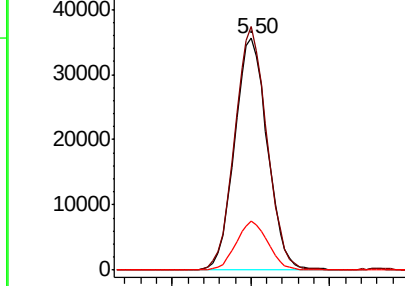


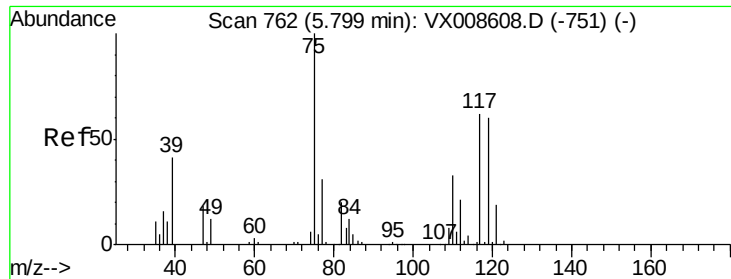
#35
 Dibromofluoromethane
 Concen: 47.162 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008730.D
 Acq: 06 Apr 2019 18:58

Tgt Ion:113 Resp: 102877
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 20.4 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

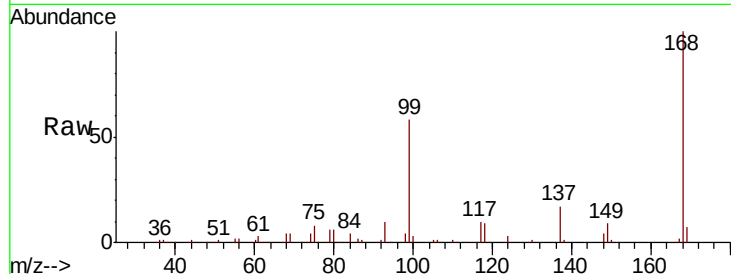




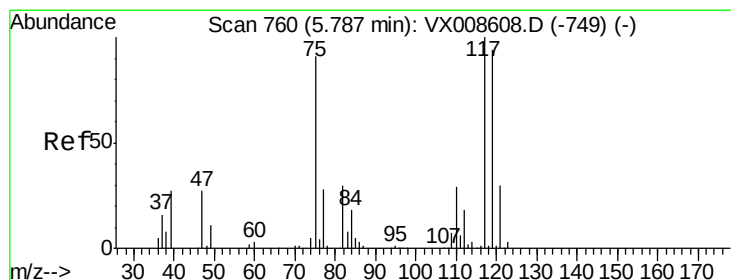
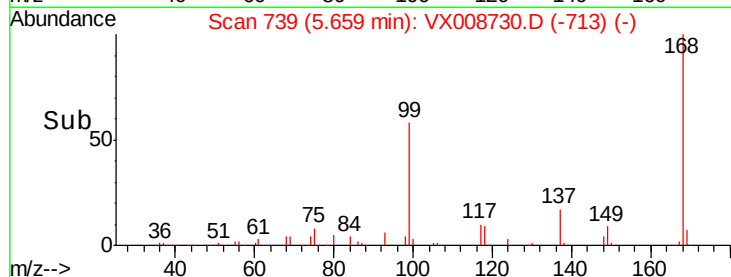
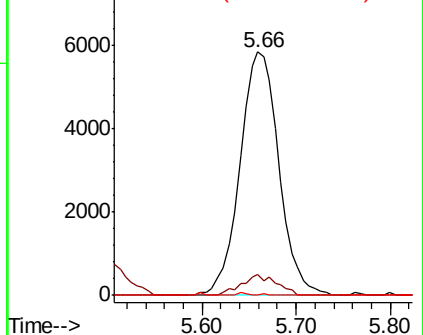
#36
 1,1-Dichloropropene
 Concen: 4.490 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008730.D
 Acq: 06 Apr 2019 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW307-190403

Tot Ion: 75 Resp: 16746
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.4 49.2#
 77 0.1 24.7 37.1#

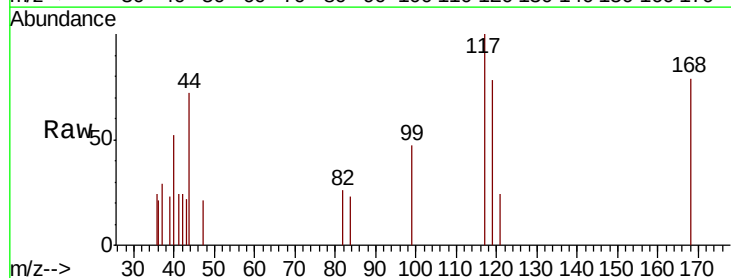


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

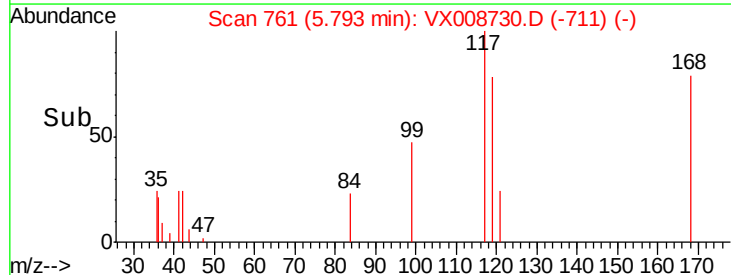
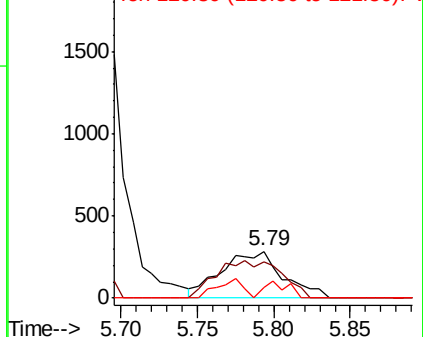


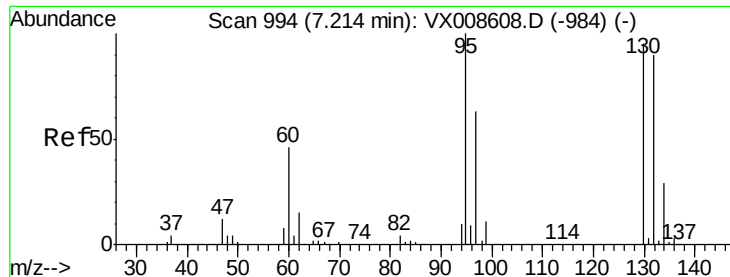
#38
 Carbon Tetrachloride
 Concen: 0.257 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX008730.D
 Acq: 06 Apr 2019 18:58

Tgt Ion: 117 Resp: 792
 Ion Ratio Lower Upper
 117 100
 119 77.7 75.0 112.6
 121 23.7 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: 2.687 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

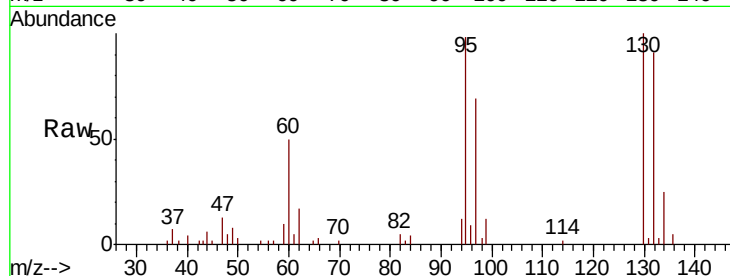
SS037MW307-190403

Tot Ion:130 Resp: 6954

Ion Ratio Lower Upper

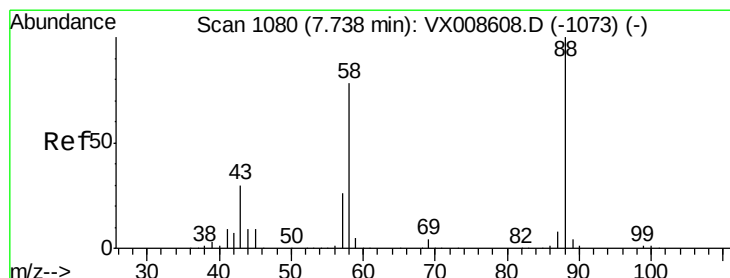
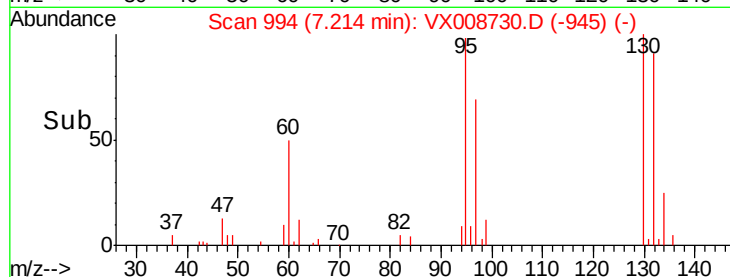
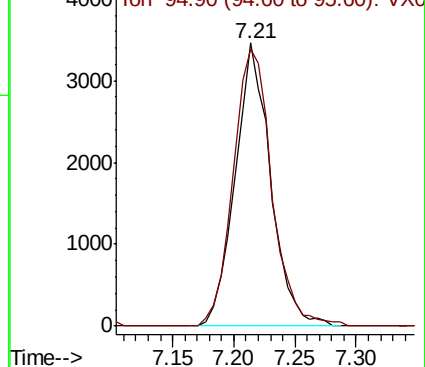
130 100

95 97.7 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.257 ug/l

RT: 7.48 min Scan# 1037

Delta R.T. -0.26 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

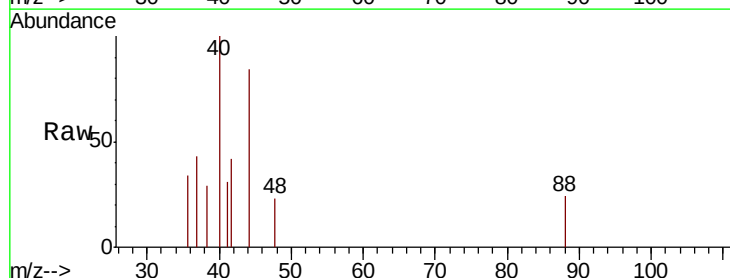
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 236.8 28.6 43.0#

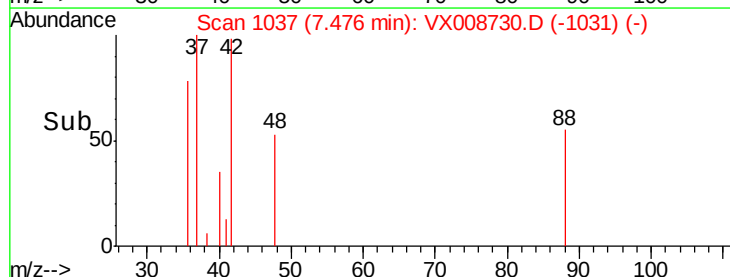
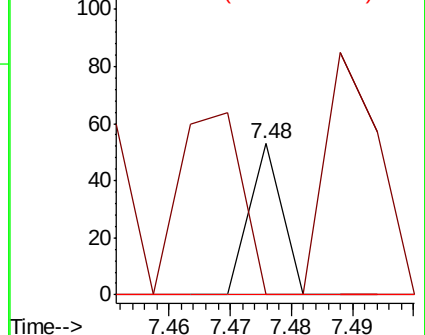
58 0.0 62.2 93.2#

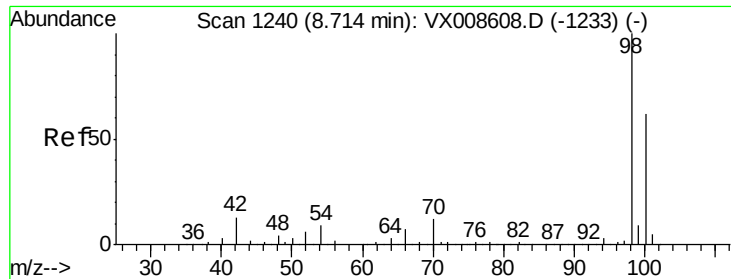


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.378 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

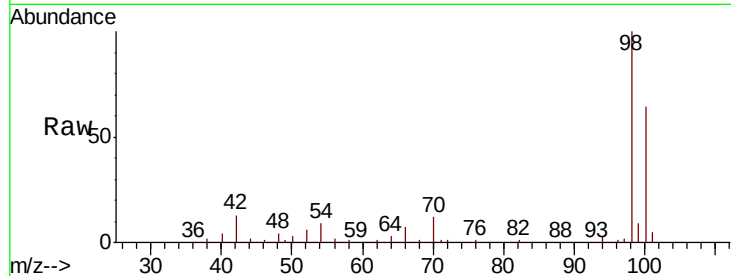
SS037MW307-190403

Tot Ion: 98 Resp: 428874

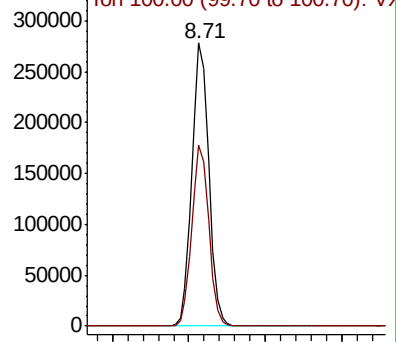
Ion Ratio Lower Upper

98 100

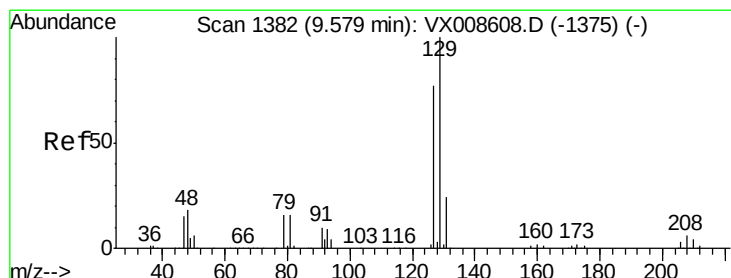
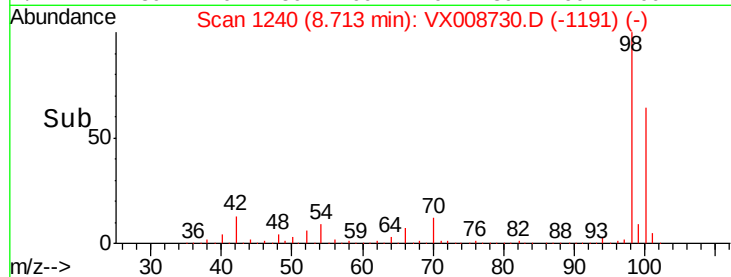
100 64.0 51.4 77.0



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



Time-->



#60

Dibromochloromethane

Concen: 1.231 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008730.D

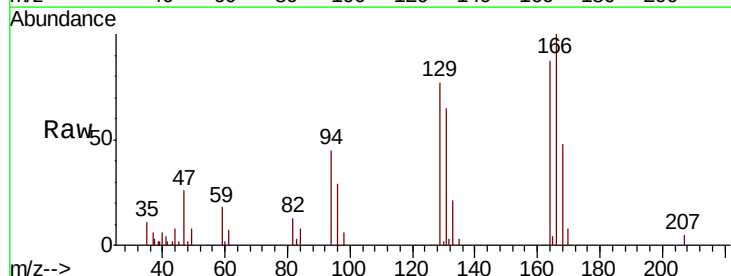
Acq: 06 Apr 2019 18:58

Tgt Ion: 129 Resp: 3050

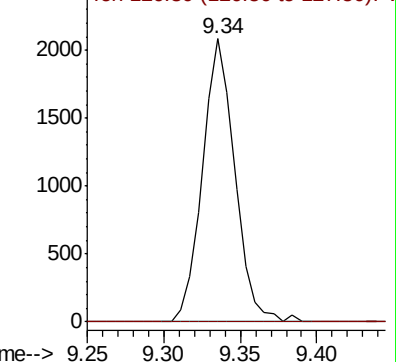
Ion Ratio Lower Upper

129 100

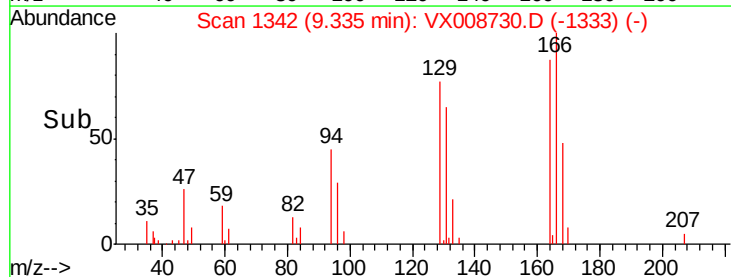
127 0.0 38.5 115.3#

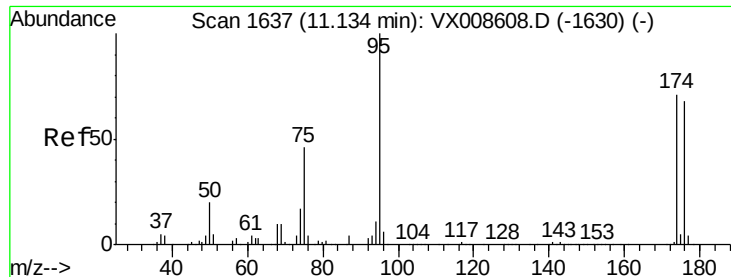


Abundance Ion 128.80 (128.50 to 129.50): VX008608.D (-1375) (-)



Time-->

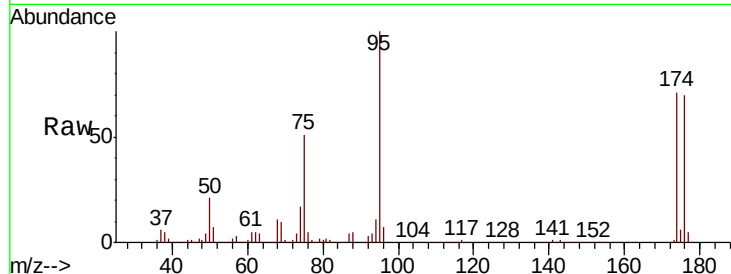




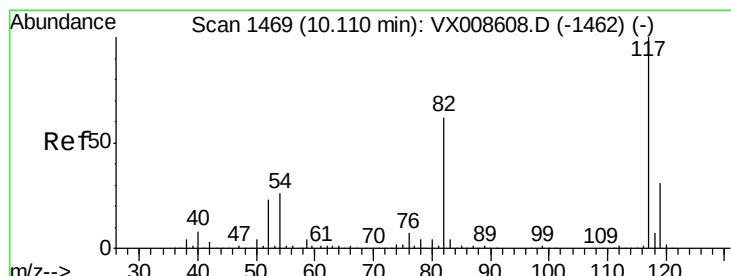
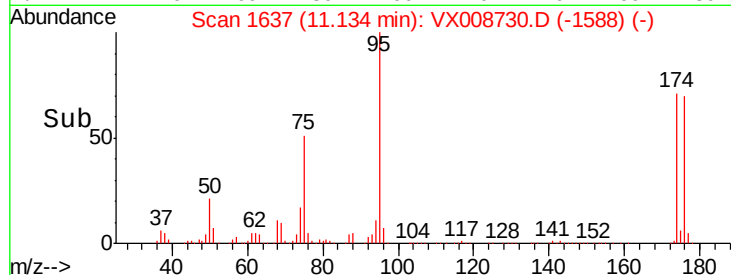
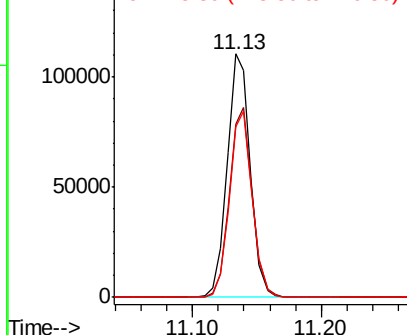
#62
4-Bromofluorobenzene
Concen: 45.094 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008730.D
Acq: 06 Apr 2019 18:58

Instrument :
MSVOA_X
ClientSampleId :
SS037MW307-190403

Tot Ion: 95 Resp: 138889
Ion Ratio Lower Upper
95 100
174 77.3 0.0 151.8
176 75.4 0.0 145.8

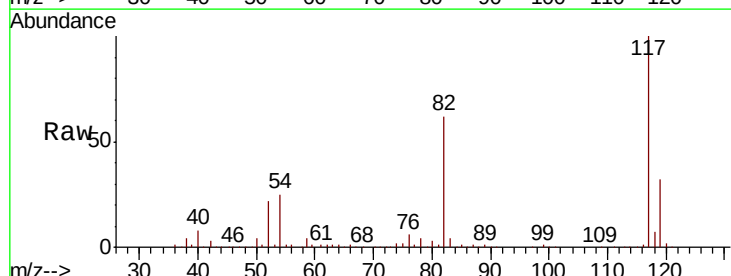


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

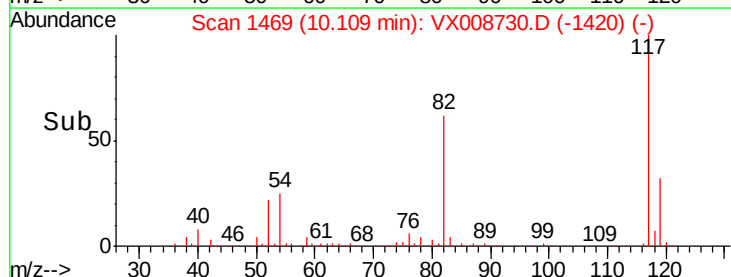
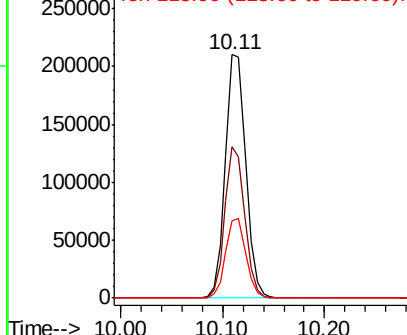


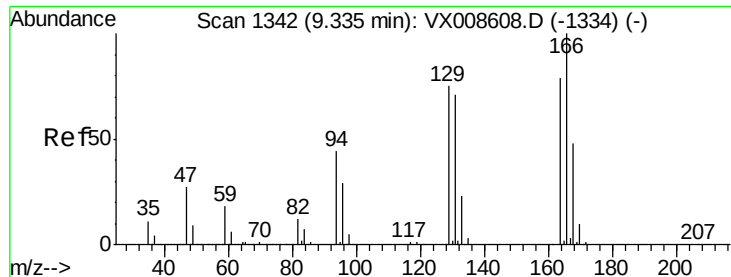
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008730.D
Acq: 06 Apr 2019 18:58

Tgt Ion: 117 Resp: 292153
Ion Ratio Lower Upper
117 100
82 62.4 49.6 74.4
119 31.7 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: 1.450 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-190403

Tot Ion:164 Resp: 3139

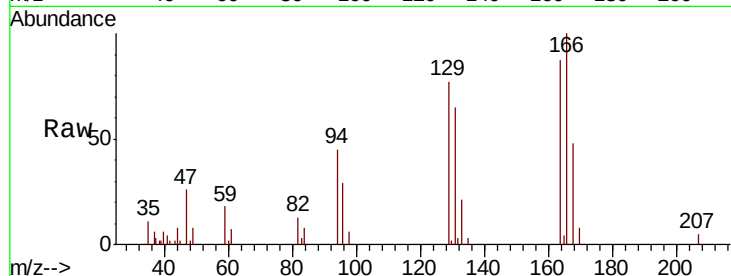
Ion Ratio Lower Upper

164 100

166 115.5 101.0 151.6

129 89.4 75.8 113.8

131 75.2 71.8 107.8

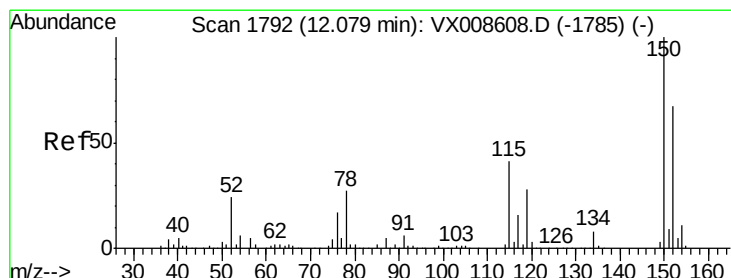
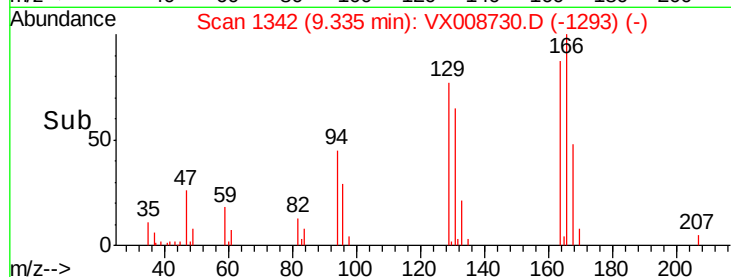
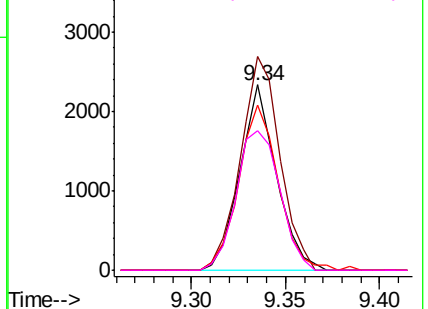


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008730.D

Acq: 06 Apr 2019 18:58

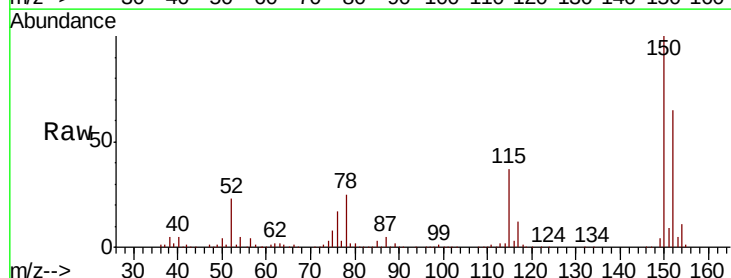
Tgt Ion:152 Resp: 119641

Ion Ratio Lower Upper

152 100

115 59.4 43.5 130.5

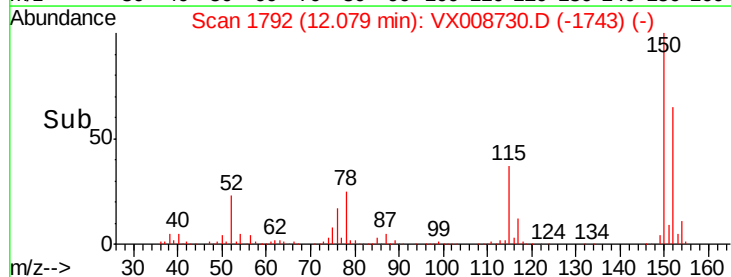
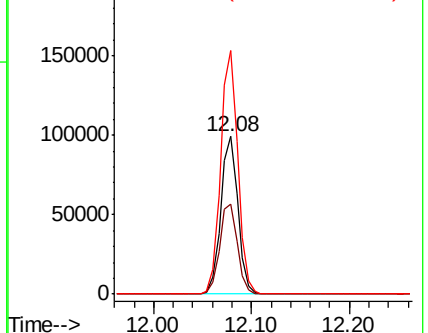
150 155.6 0.0 348.8

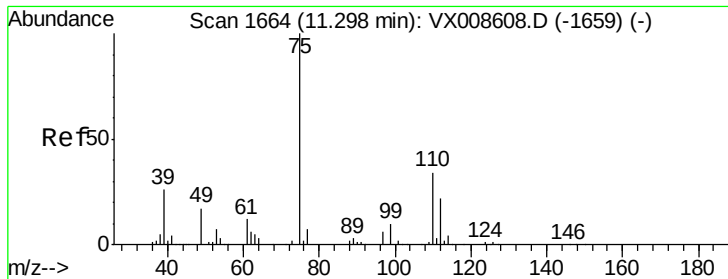


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.331 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

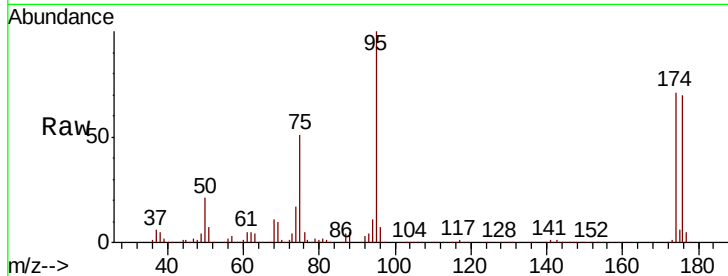
SS037MW307-190403

Tot Ion: 75 Resp: 70106

Ion Ratio Lower Upper

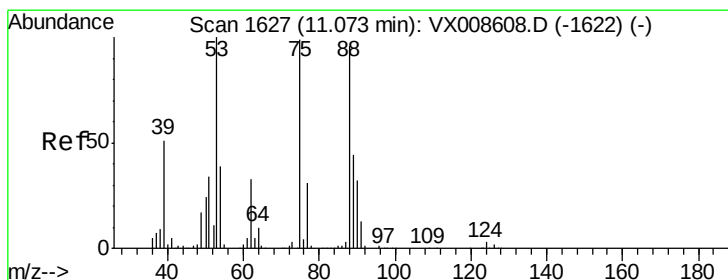
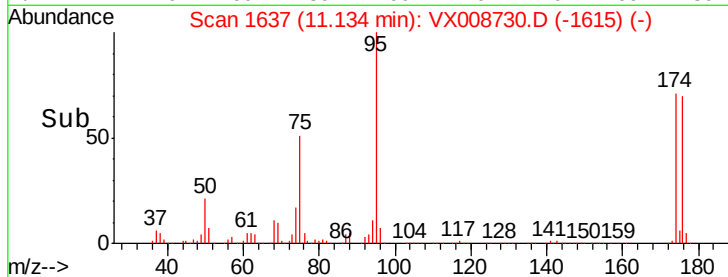
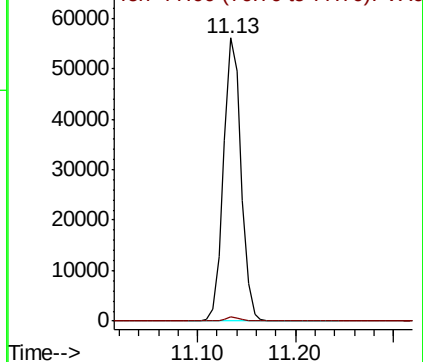
75 100

77 1.4 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: 58.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

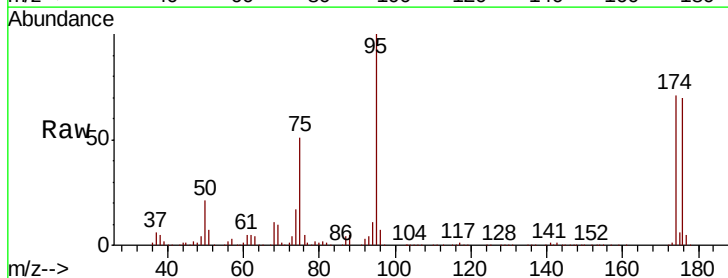
Tgt Ion: 75 Resp: 70106

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

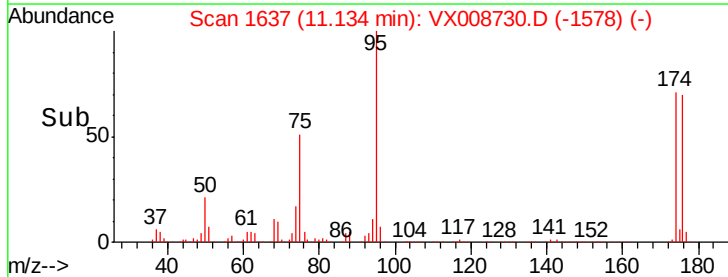
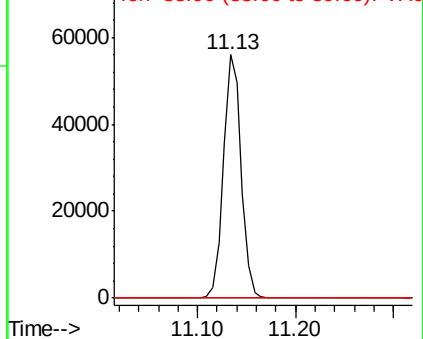
89 0.0 35.6 53.4#

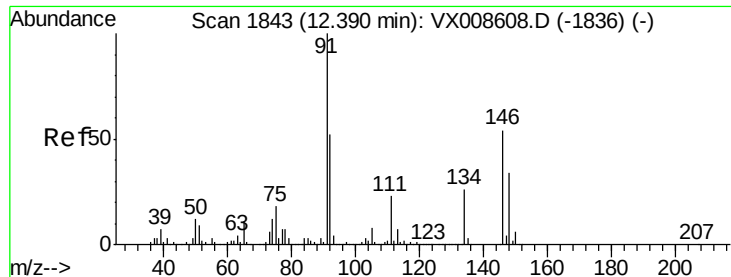


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#91

1,2-Dichlorobenzene

Concen: 0.654 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008730.D

Acq: 06 Apr 2019 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW307-190403

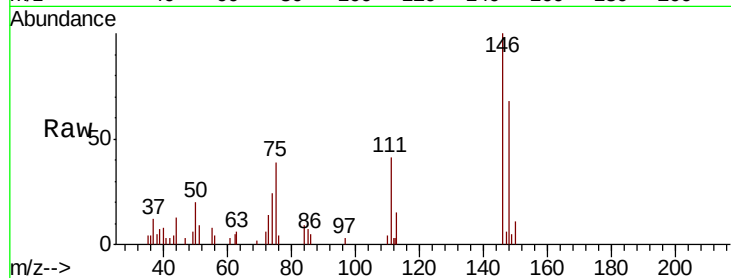
Tot Ion:146 Resp: 2772

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.9

148 66.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

