

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007408.D
 Acq On : 06 Feb 2019 19:04
 Operator : JC/SP
 Sample : K1395-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Quant Time: Feb 07 00:04:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	559961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	869122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	800770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	385787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	303996	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	5.51	113	273644	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	1021533	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.13	95	362469	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

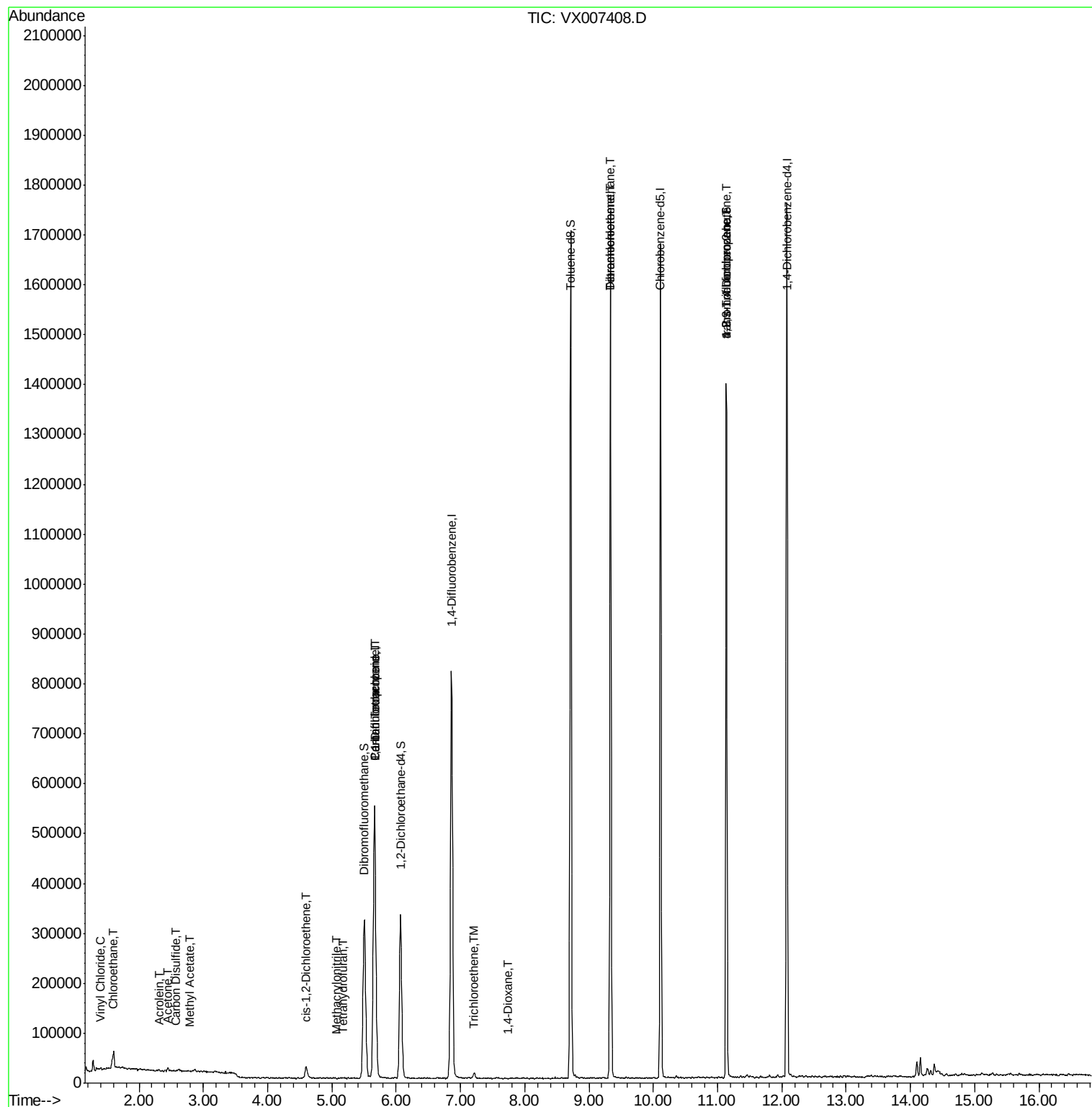
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2200	0.356	ug/l #	88
5) Bromomethane	1.66	94	827	Below Cal	#	37
6) Chloroethane	1.59	64	10488	2.620	ug/l #	51
13) Acrolein	2.31	56	261	0.453	ug/l #	1
16) Acetone	2.45	43	6211	2.281	ug/l #	80
17) Carbon Disulfide	2.57	76	2418	2.287	ug/l #	75
18) Methyl Acetate	2.78	43	1762	0.839	ug/l #	68
27) cis-1,2-Dichloroethene	4.60	96	15397	2.475	ug/l	86
29) Tetrahydrofuran	5.16	42	545	0.224	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	34564	4.432	ug/l #	50
38) Carbon Tetrachloride	5.67	117	51529	6.811	ug/l #	18
41) Methacrylonitrile	5.07	41	1045	0.247	ug/l #	53
44) Trichloroethene	7.21	130	4745	0.686	ug/l	88
49) 1,4-Dioxane	7.74	88	47	7.216	ug/l #	1
60) Dibromochloromethane	9.34	129	311388	53.294	ug/l #	12
64) Tetrachloroethene	9.34	164	349489	46.305	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	172546	22.994	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	172546	69.290	ug/l #	9

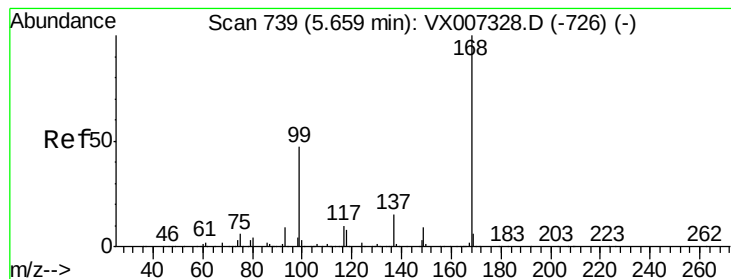
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

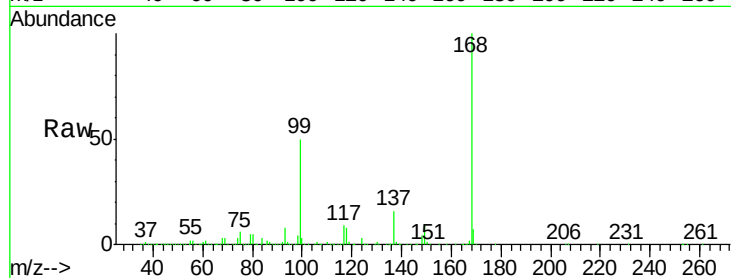
MW-11

Tot Ion:168 Resp: 559961

Ion Ratio Lower Upper

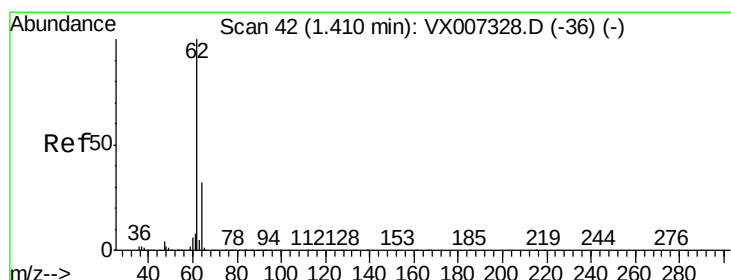
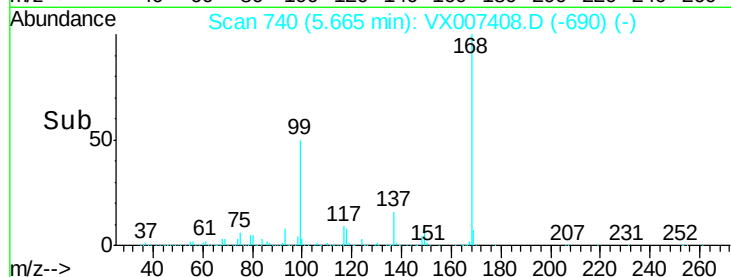
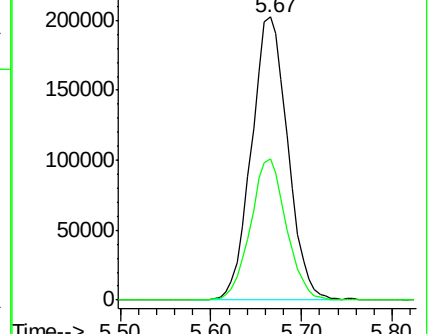
168 100

99 49.8 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.356 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007408.D

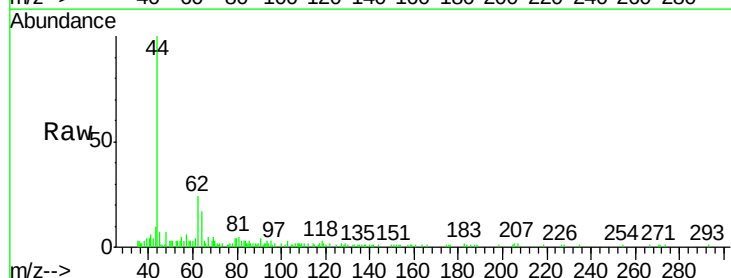
Acq: 06 Feb 2019 19:04

Tgt Ion: 62 Resp: 2200

Ion Ratio Lower Upper

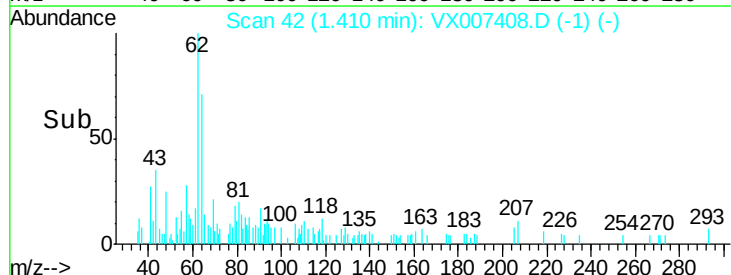
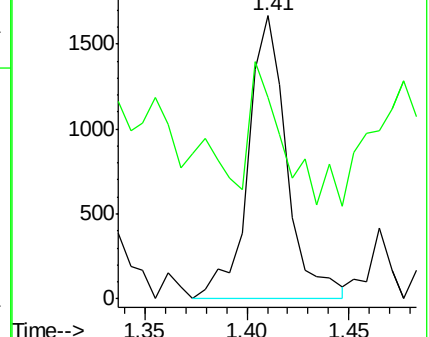
62 100

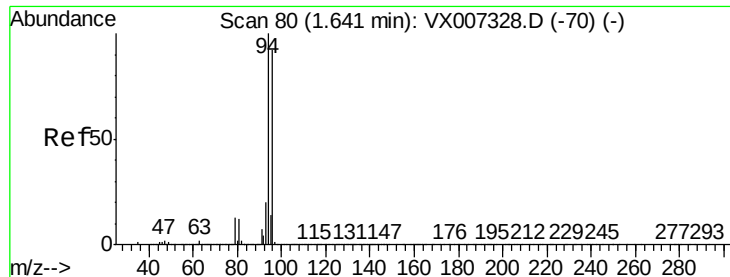
64 38.5 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

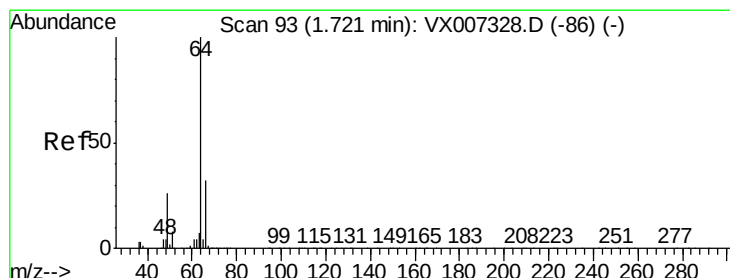
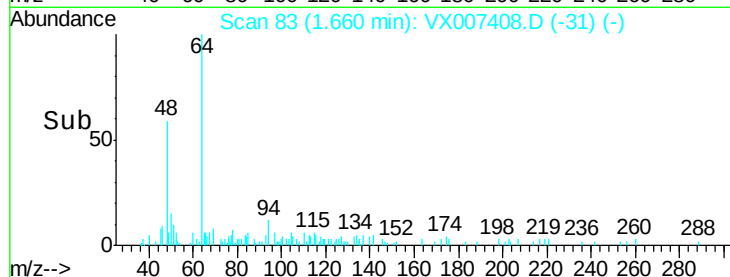
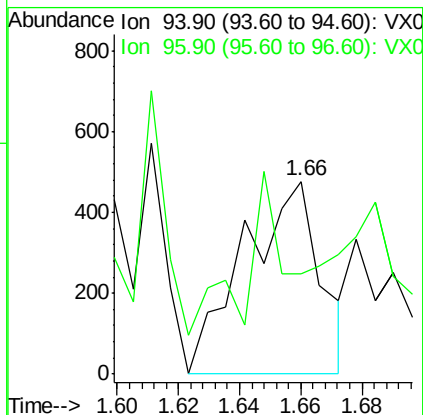
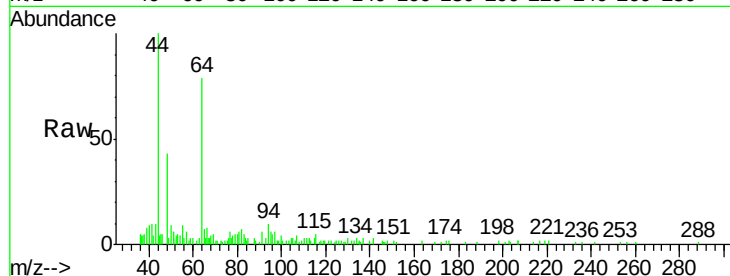
MW-11

Tot Ion: 94 Resp: 827

Ion Ratio Lower Upper

94 100

96 31.7 73.9 110.9#



#6

Chloroethane

Concen: 2.620 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX007408.D

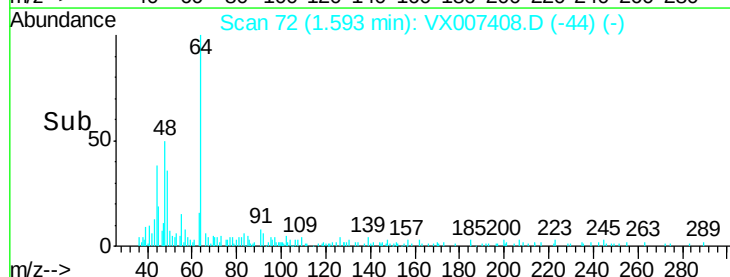
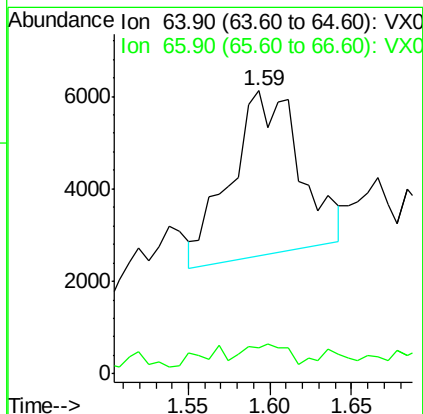
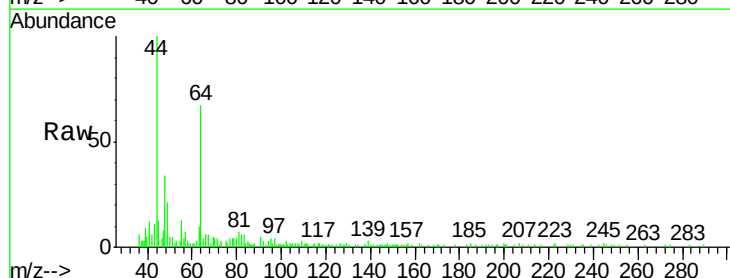
Acq: 06 Feb 2019 19:04

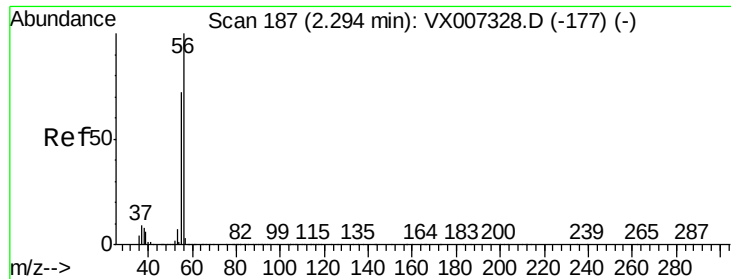
Tgt Ion: 64 Resp: 10488

Ion Ratio Lower Upper

64 100

66 4.7 25.5 38.3#





#13

Acrolein

Concen: 0.453 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

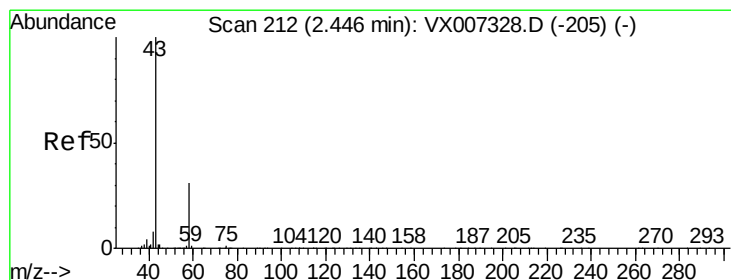
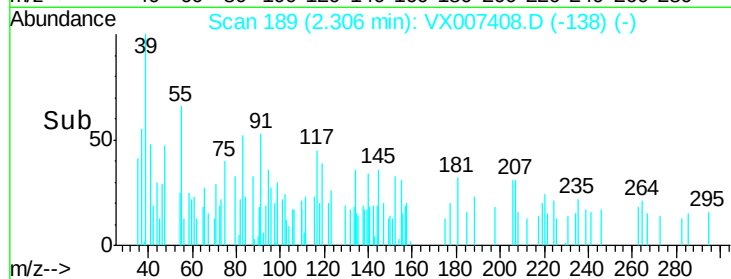
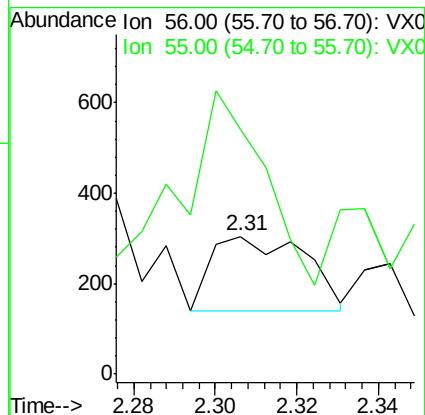
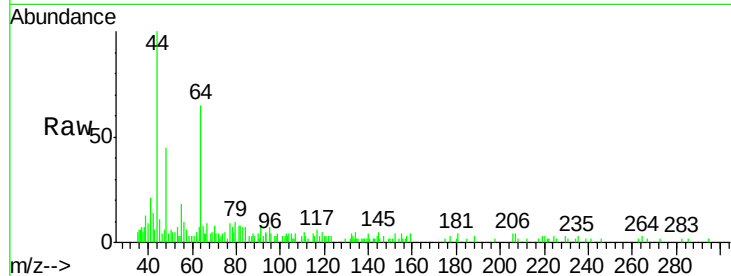
MW-11

Tot Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 230.3 56.9 85.3#



#16

Acetone

Concen: 2.281 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007408.D

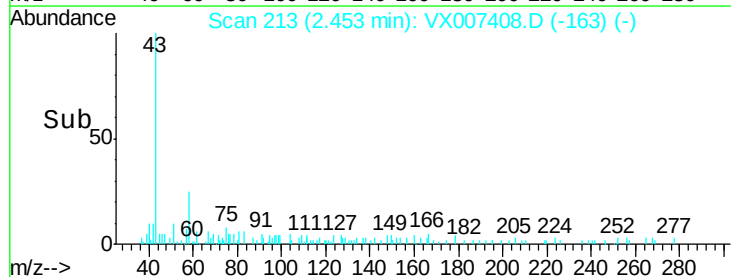
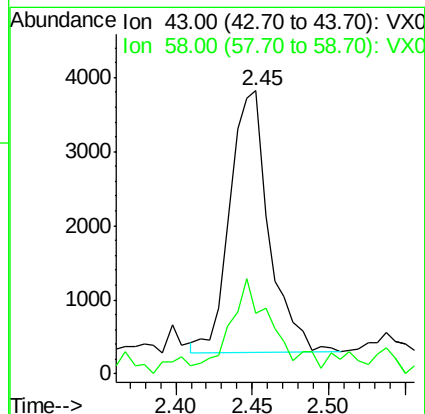
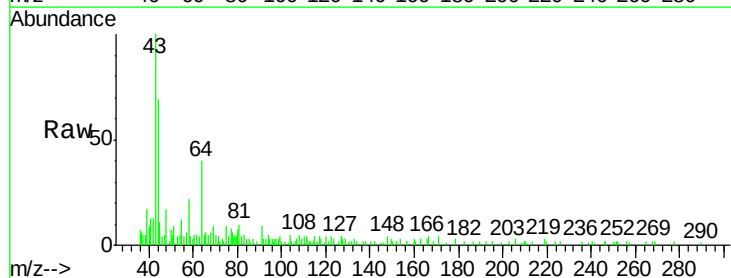
Acq: 06 Feb 2019 19:04

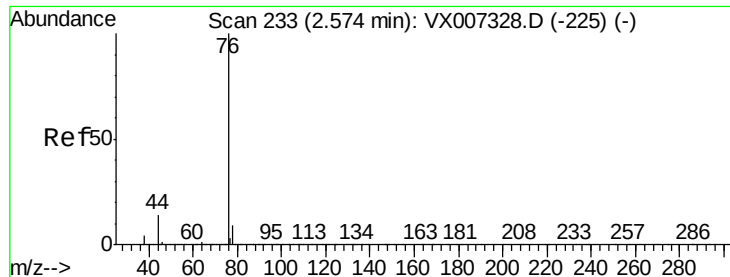
Tgt Ion: 43 Resp: 6211

Ion Ratio Lower Upper

43 100

58 20.2 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.287 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

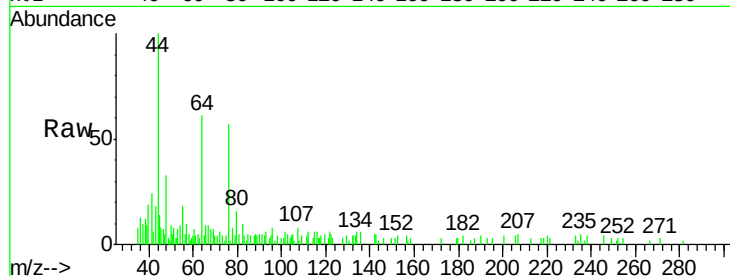
MW-11

Tot Ion: 76 Resp: 2418

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

1500

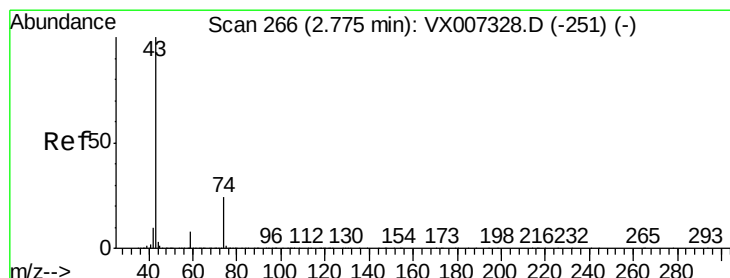
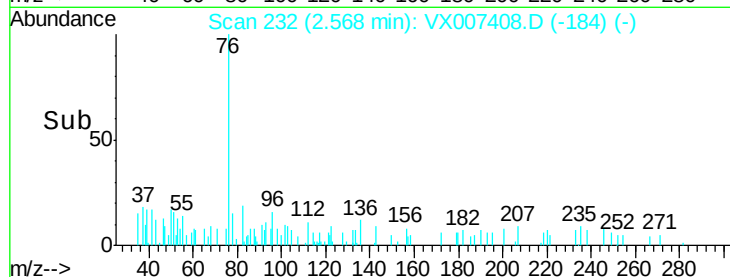
1000

500

0

Time-->

2.55 2.60



#18

Methyl Acetate

Concen: 0.839 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007408.D

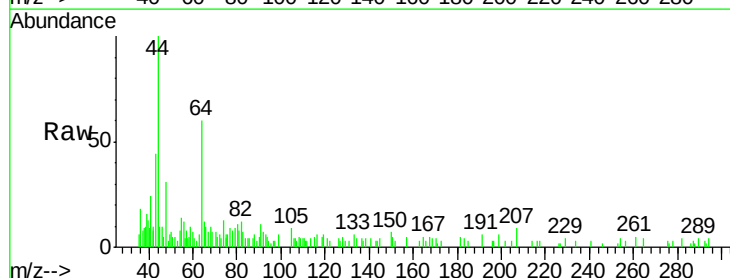
Acq: 06 Feb 2019 19:04

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

74 40.4 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1200

1000

800

600

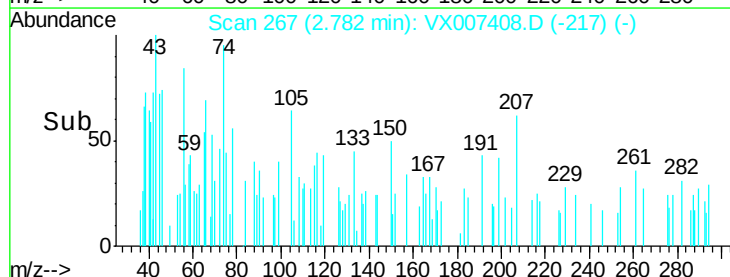
400

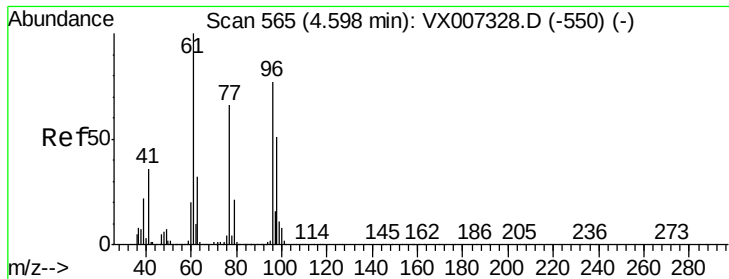
200

0

Time-->

2.70 2.75 2.80 2.85



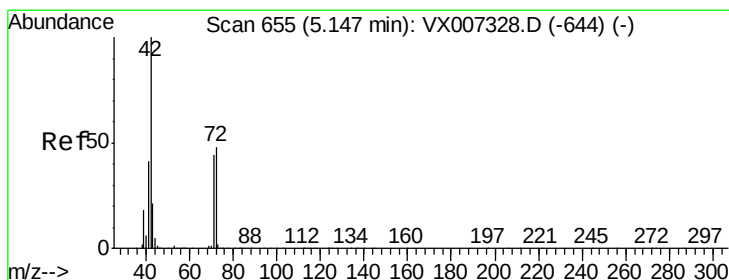
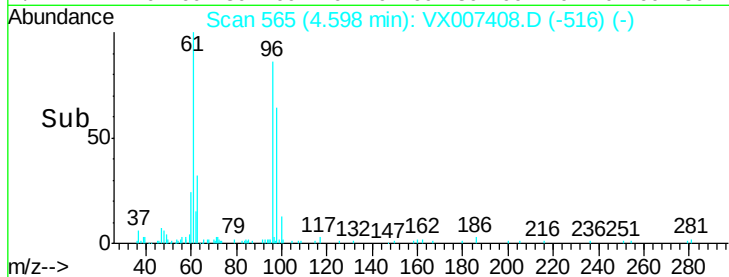
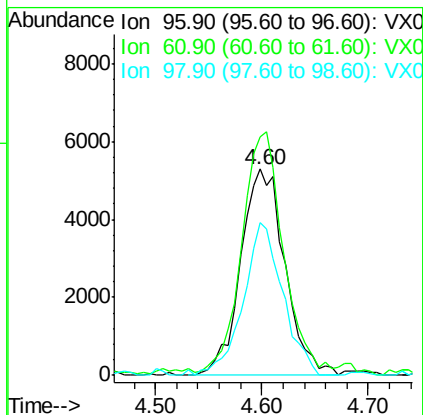
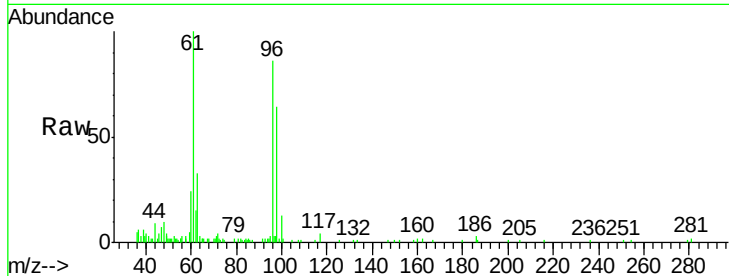


#27

cis-1,2-Dichloroethene
 Concen: 2.475 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007408.D
 Acq: 06 Feb 2019 19:04

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

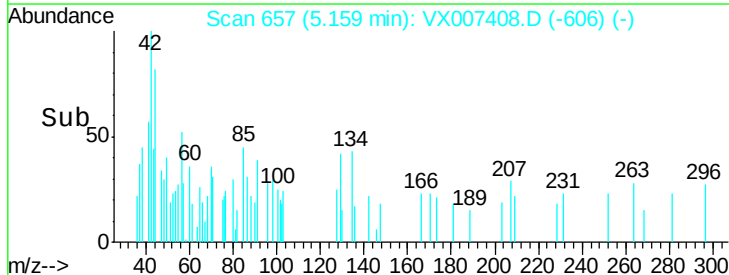
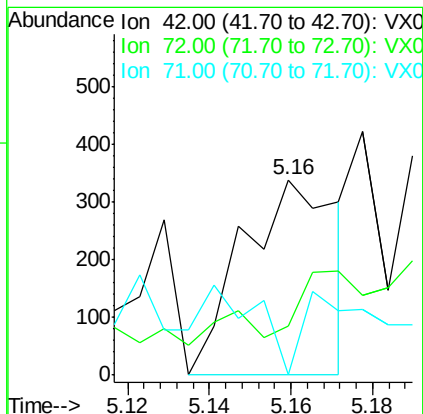
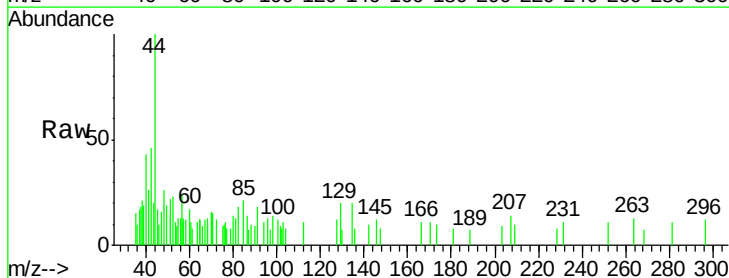
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.2	0.0	265.6
98	66.2	0.0	131.6

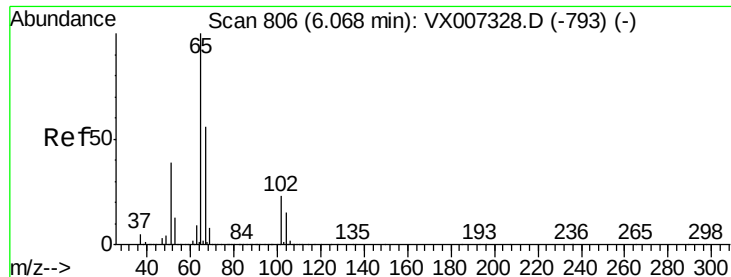


#29

Tetrahydrofuran
 Concen: 0.224 ug/l
 RT: 5.16 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VX007408.D
 Acq: 06 Feb 2019 19:04

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	42.2	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 51.147 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

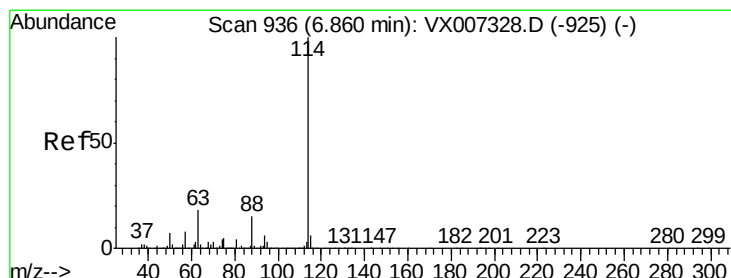
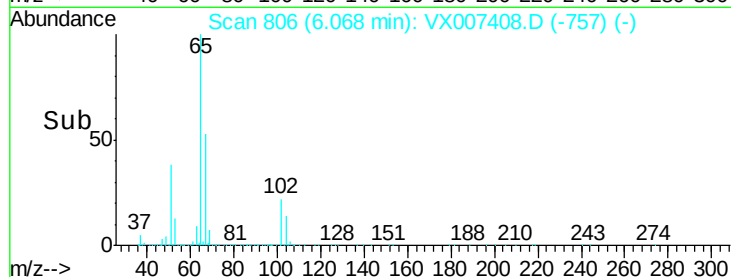
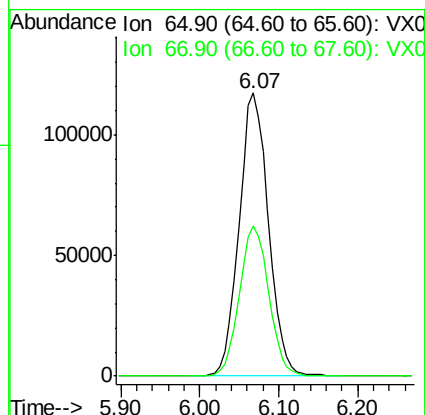
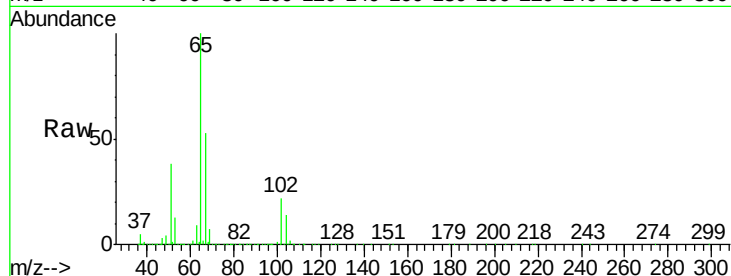
MW-11

Tot Ion: 65 Resp: 303996

Ion Ratio Lower Upper

65 100

67 53.4 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

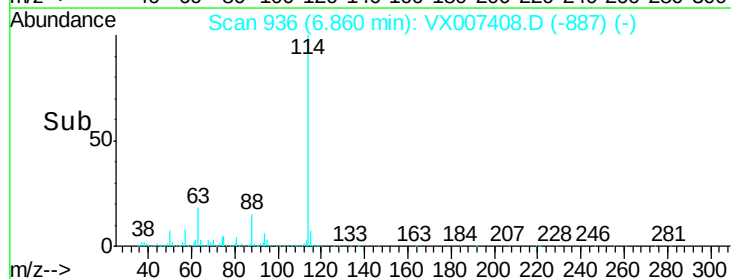
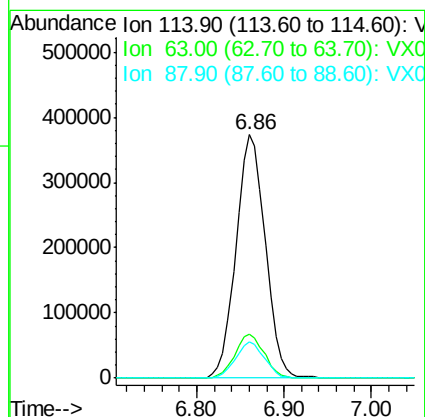
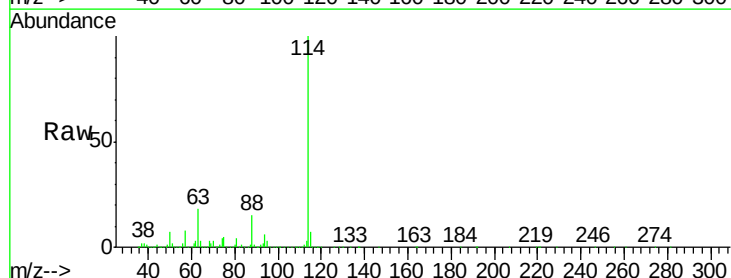
Tgt Ion: 114 Resp: 869122

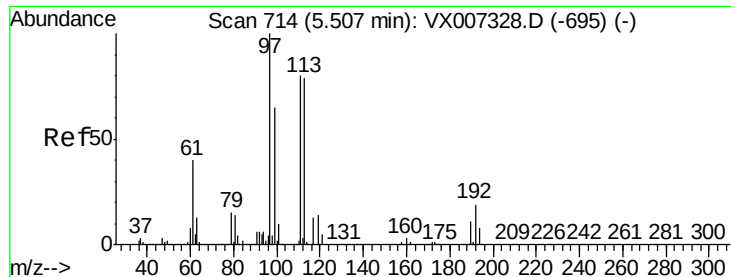
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.389 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :
MSVOA_X
ClientSampled :
MW-11

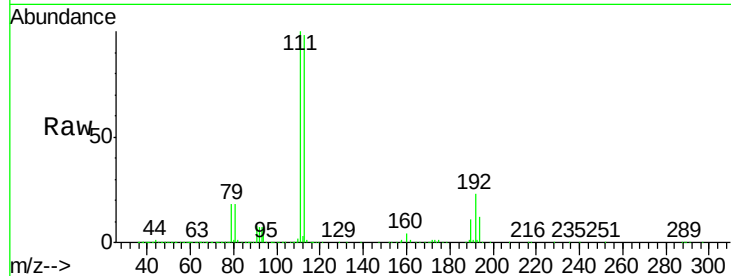
Tot Ion:113 Resp: 273644

Ion Ratio Lower Upper

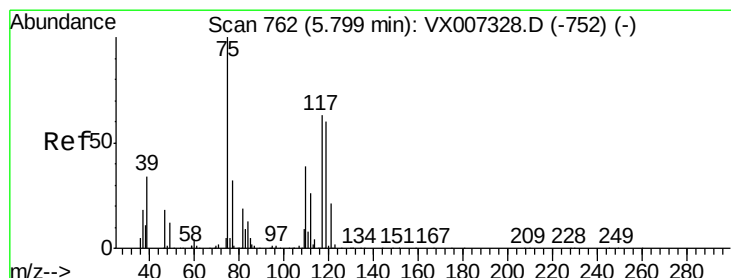
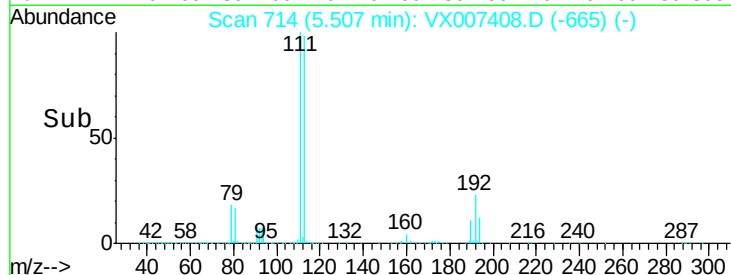
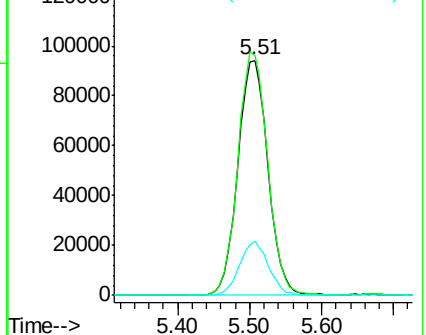
113 100

111 102.4 81.8 122.8

192 22.3 18.5 27.7



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: 4.432 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

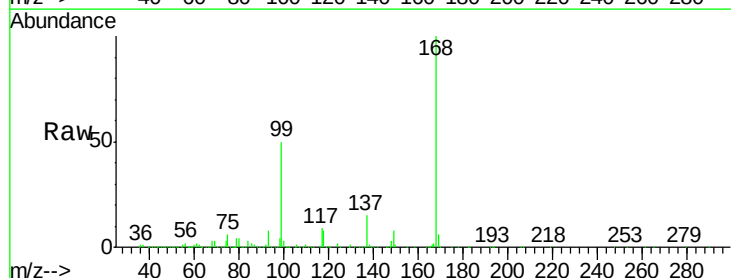
Tgt Ion: 75 Resp: 34564

Ion Ratio Lower Upper

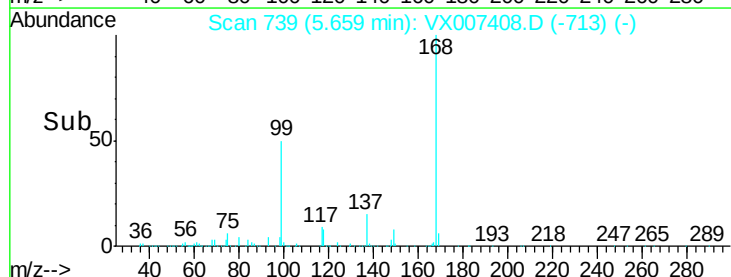
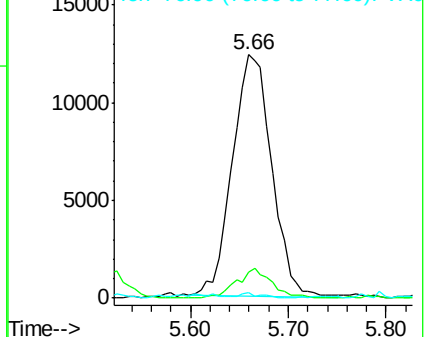
75 100

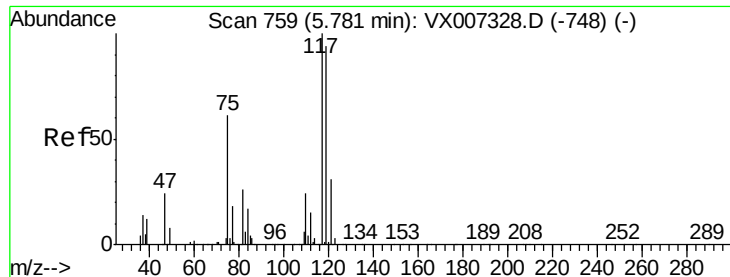
110 11.2 20.0 59.9#

77 1.0 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: 6.811 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

MW-11

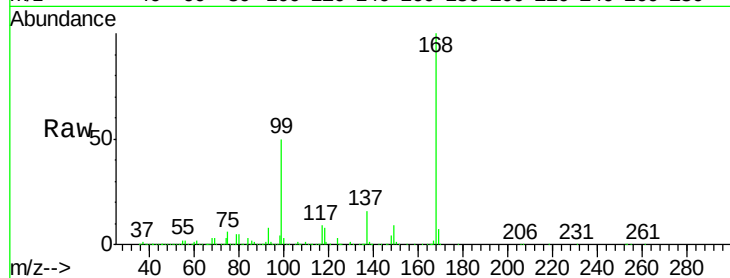
Tot Ion:117 Resp: 51529

Ion Ratio Lower Upper

117 100

119 6.4 75.3 112.9#

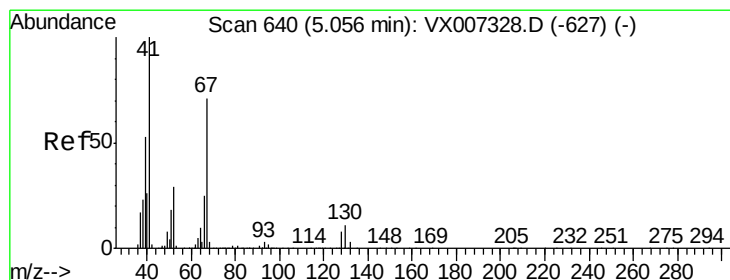
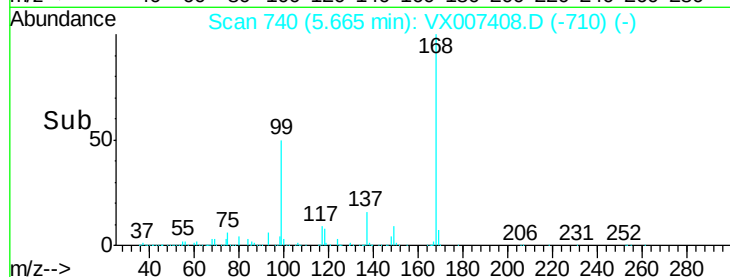
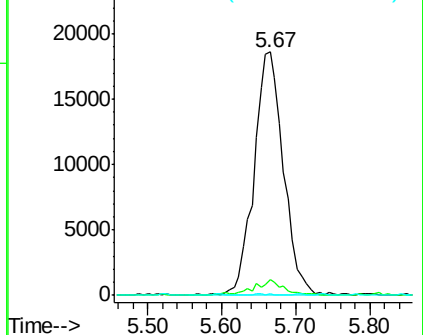
121 0.6 25.0 37.4#



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



#41

Methacrylonitrile

Concen: 0.247 ug/l

RT: 5.07 min Scan# 643

Delta R.T. 0.02 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Tgt Ion: 41 Resp: 1045

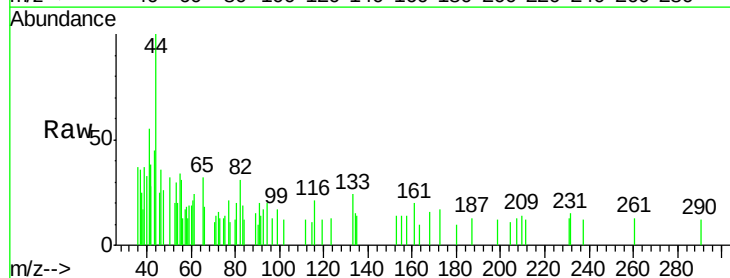
Ion Ratio Lower Upper

41 100

39 49.3 44.5 66.7

67 0.0 60.4 90.6#

52 38.9 24.1 36.1#

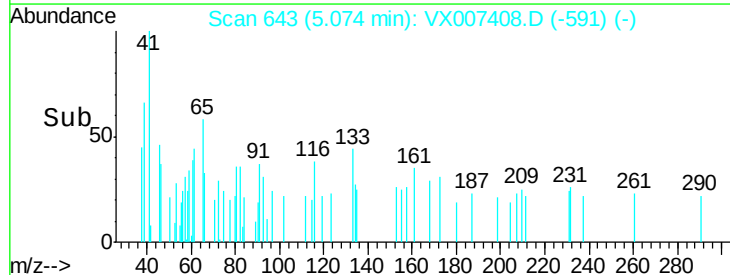
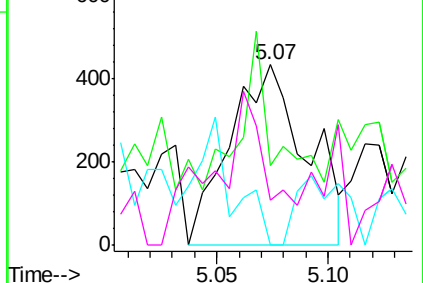


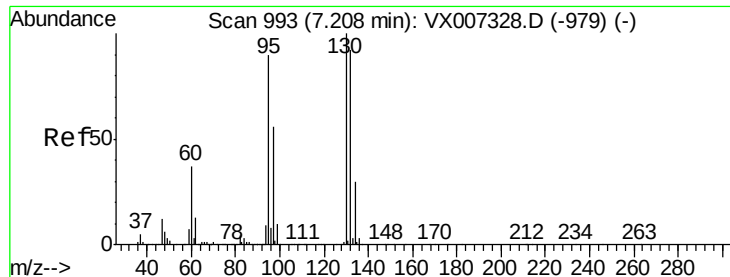
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#44

Trichloroethene

Concen: 0.686 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

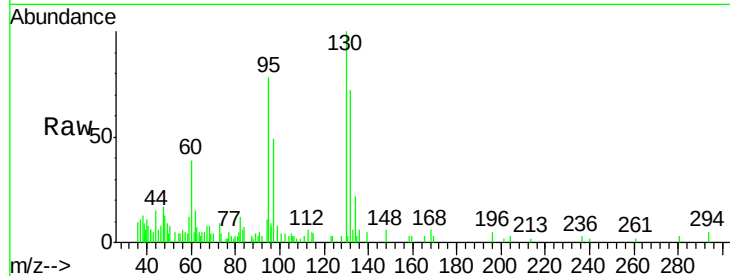
MW-11

Tot Ion:130 Resp: 4745

Ion Ratio Lower Upper

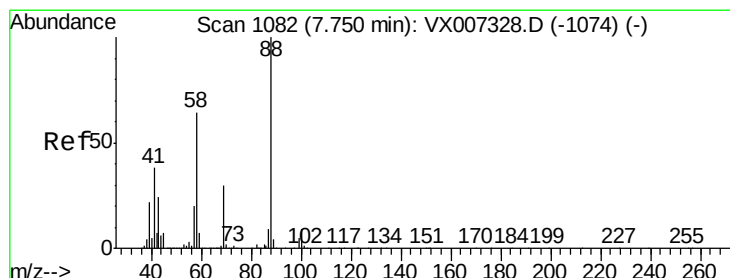
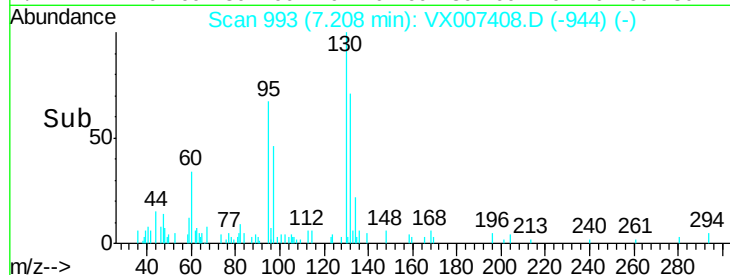
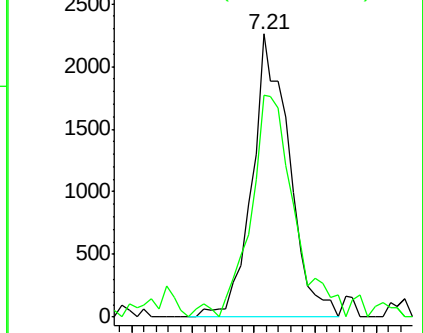
130 100

95 78.4 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 7.216 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

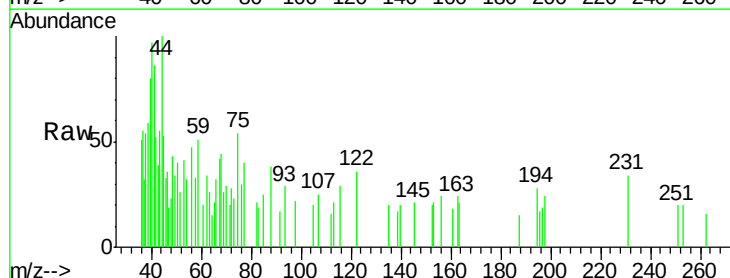
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 817.0 24.2 36.4#

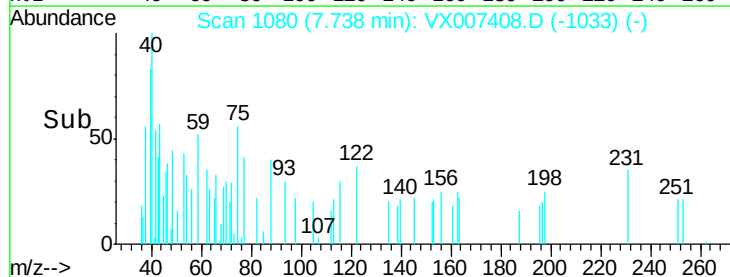
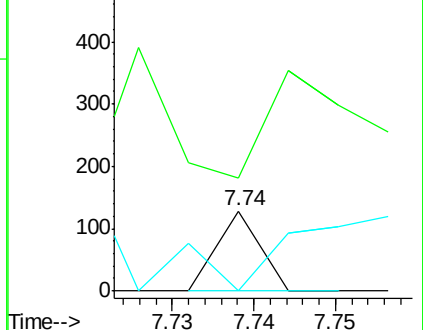
58 246.8 53.0 79.4#

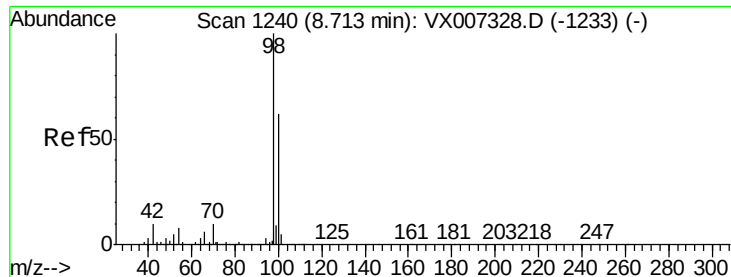


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.688 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

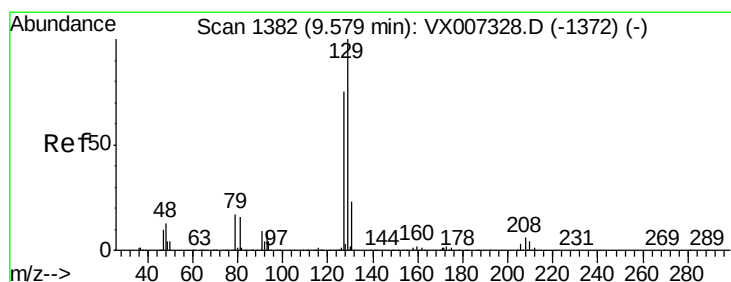
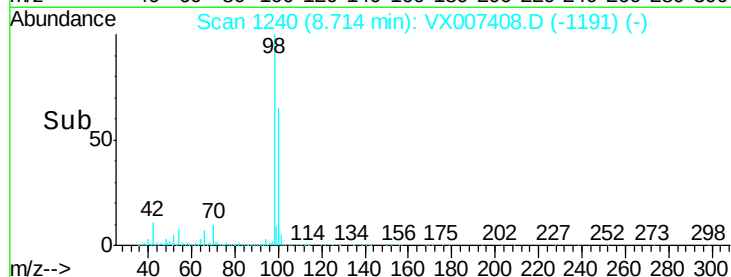
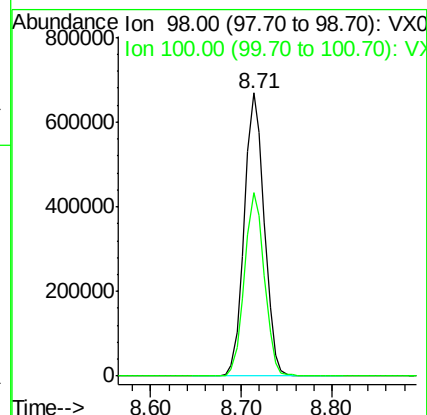
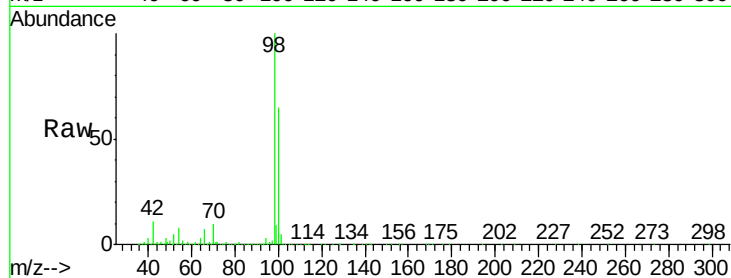
MW-11

Tot Ion: 98 Resp: 1021533

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#60

Dibromochloromethane

Concen: 53.294 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX007408.D

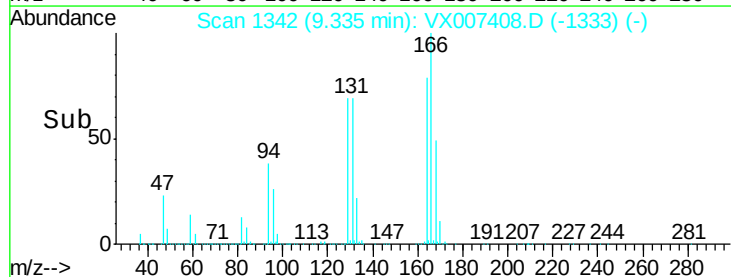
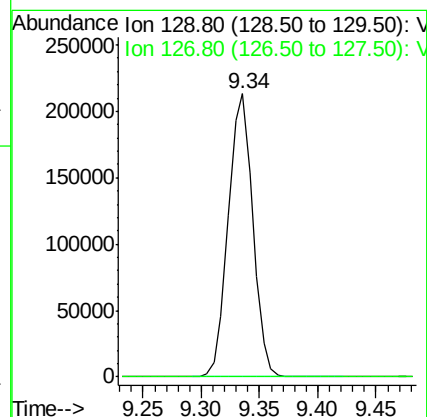
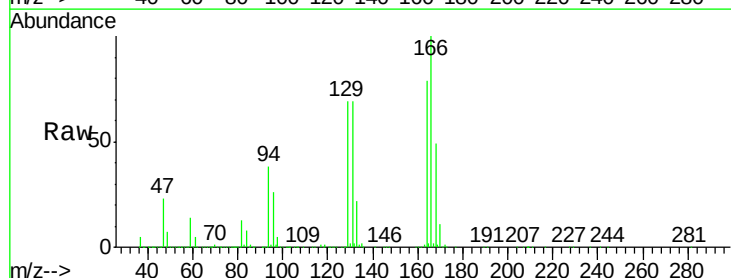
Acq: 06 Feb 2019 19:04

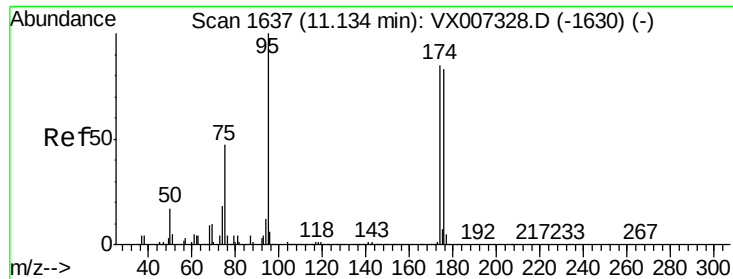
Tgt Ion: 129 Resp: 311388

Ion Ratio Lower Upper

129 100

127 0.2 37.8 113.4#

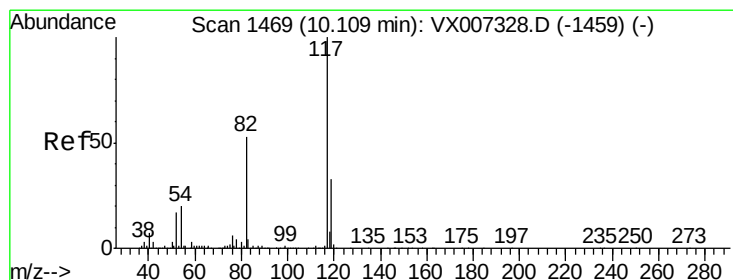
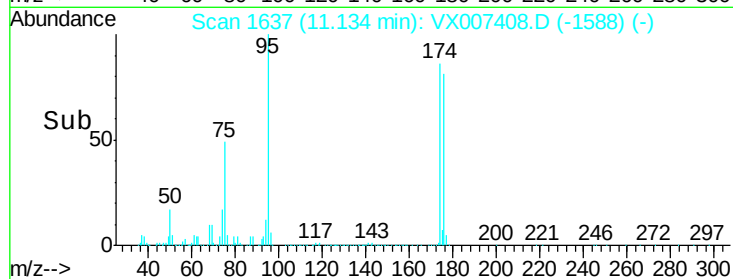
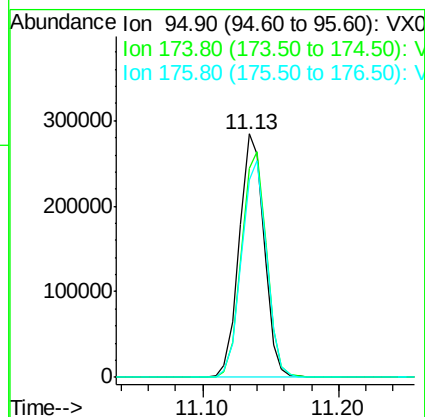
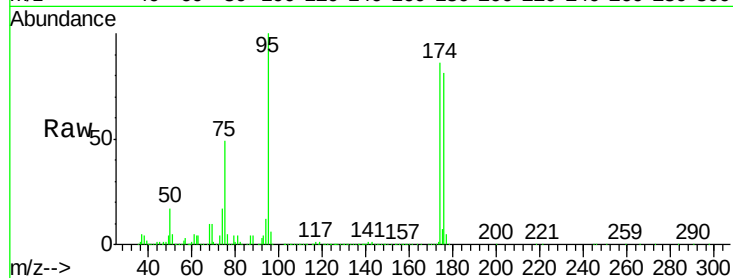




#62
4-Bromofluorobenzene
Concen: 47.318 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007408.D
Acq: 06 Feb 2019 19:04

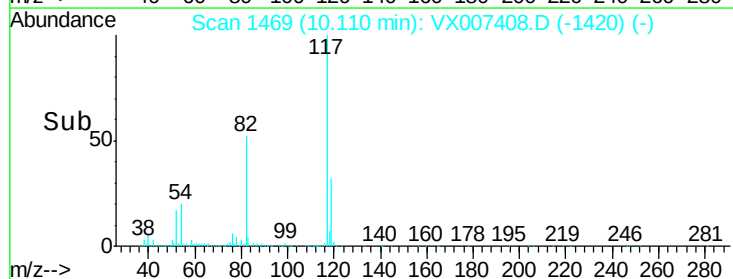
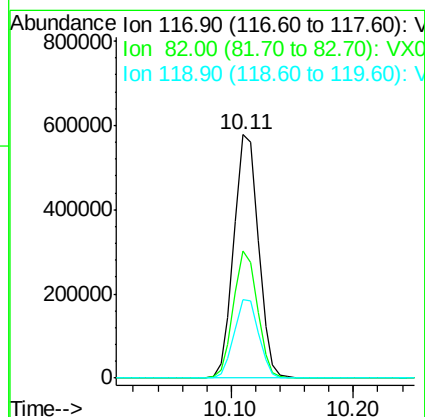
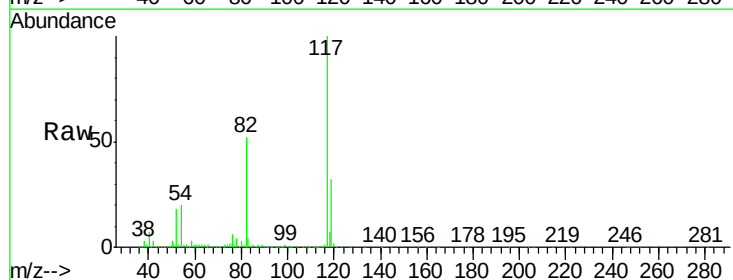
Instrument :
MSVOA_X
ClientSampleId :
MW-11

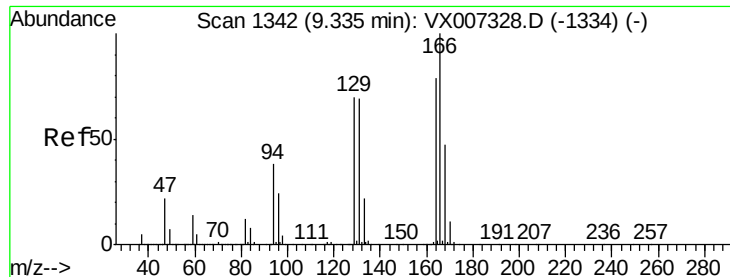
Tot Ion: 95 Resp: 362469
Ion Ratio Lower Upper
95 100
174 93.5 0.0 189.2
176 89.9 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007408.D
Acq: 06 Feb 2019 19:04

Tgt Ion: 117 Resp: 800770
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.2 26.5 39.7





#64

Tetrachloroethene

Concen: 46.305 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:164 Resp: 349489

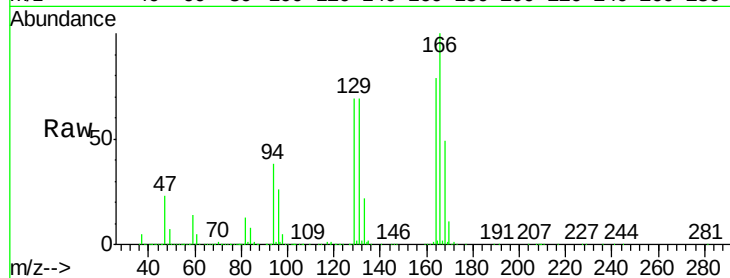
Ion Ratio Lower Upper

164 100

166 125.9 101.0 151.4

129 87.4 70.5 105.7

131 86.4 69.8 104.6

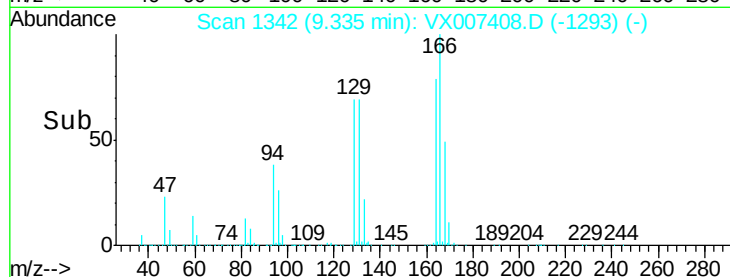


Abundance Ion 163.80 (163.50 to 164.50): V

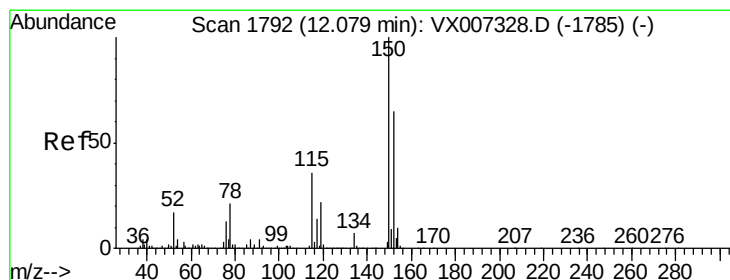
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

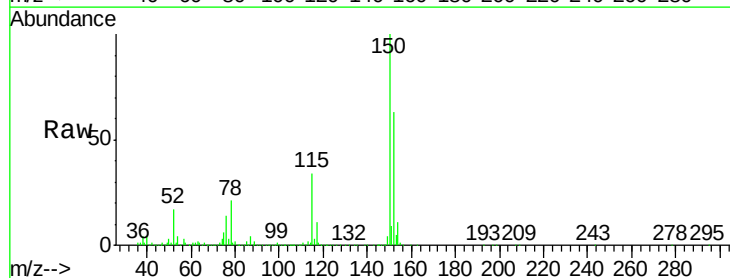
Tgt Ion:152 Resp: 385787

Ion Ratio Lower Upper

152 100

115 54.0 38.0 114.0

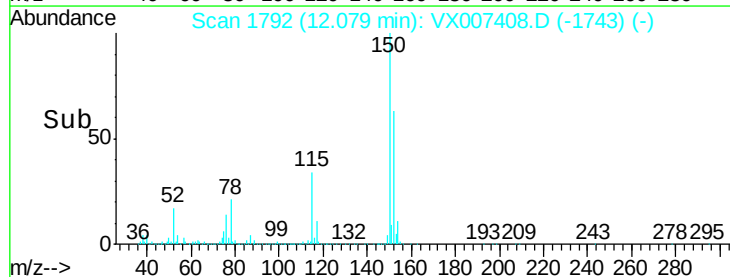
150 156.8 0.0 346.4



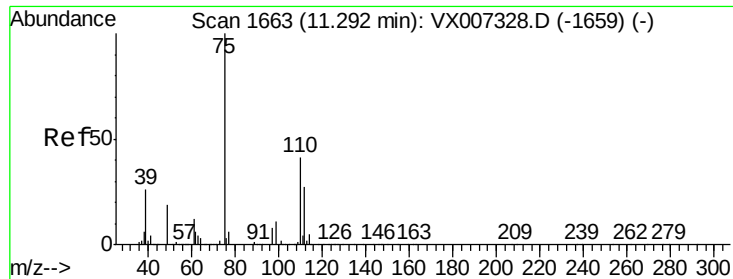
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Instrument :

MSVOA_X

ClientSampleId :

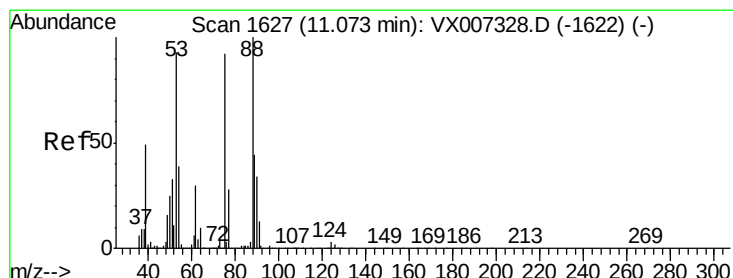
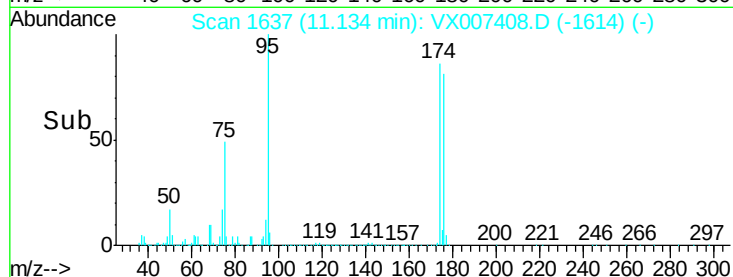
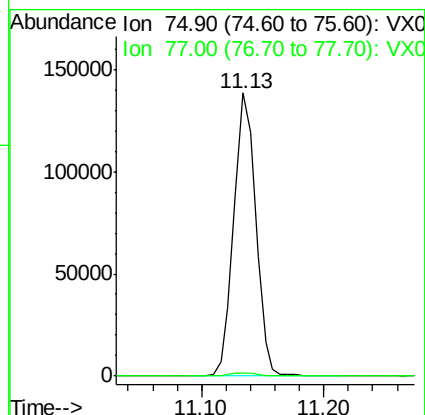
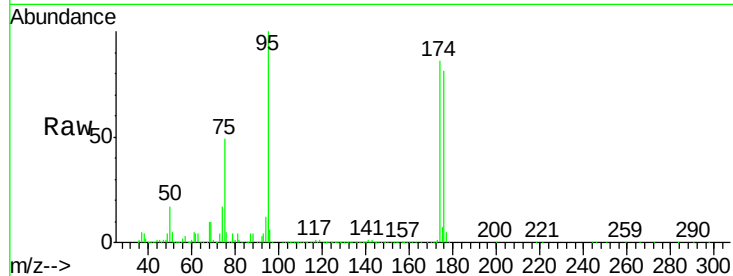
MW-11

Tot Ion: 75 Resp: 172546

Ion Ratio Lower Upper

75 100

77 1.6 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.290 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007408.D

Acq: 06 Feb 2019 19:04

Tgt Ion: 75 Resp: 172546

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

