

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008456.D
 Acq On : 26 Mar 2019 14:53
 Operator : JC/SP
 Sample : K2088-01 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104

Quant Time: Mar 27 01:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144670	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	167714	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	5.50	113	123124	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.71	98	498259	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	170638	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

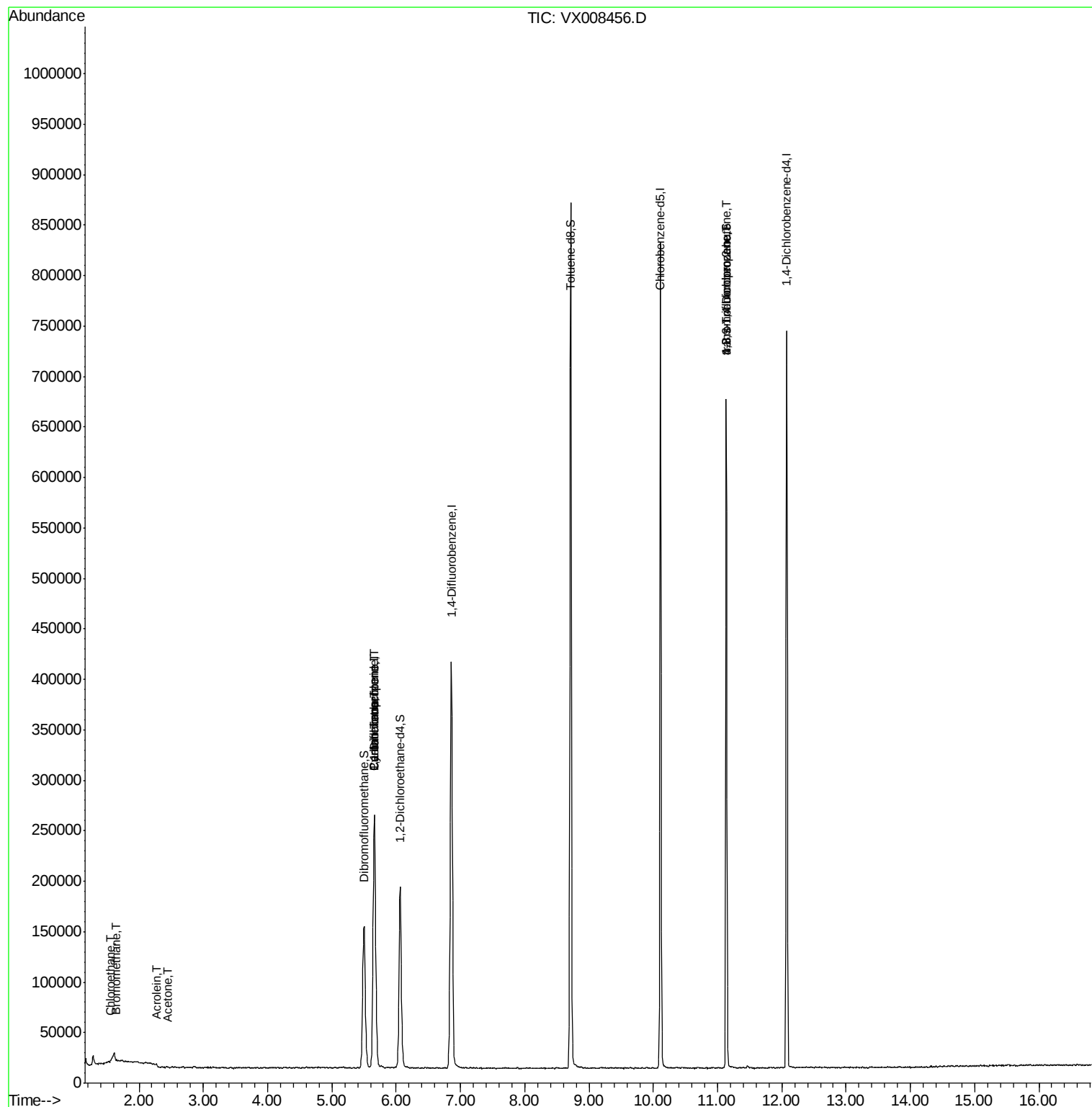
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	274	Below Cal	#	41
5) Bromomethane	1.65	94	333	1.968	ug/l #	31
6) Chloroethane	1.55	64	5776	2.549	ug/l #	44
13) Acrolein	2.28	56	144	0.254	ug/l #	1
16) Acetone	2.45	43	751	0.408	ug/l #	79
17) Carbon Disulfide	2.57	76	924	Below Cal	#	80
20) Methylene Chloride	2.85	84	775	Below Cal		94
21) trans-1,2-Dichloroethene	3.17	96	96	Below Cal	#	47
31) Cyclohexane	5.66	56	5586	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20332	4.799	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23290	6.587	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	88357	20.544	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88357	65.799	ug/l #	9

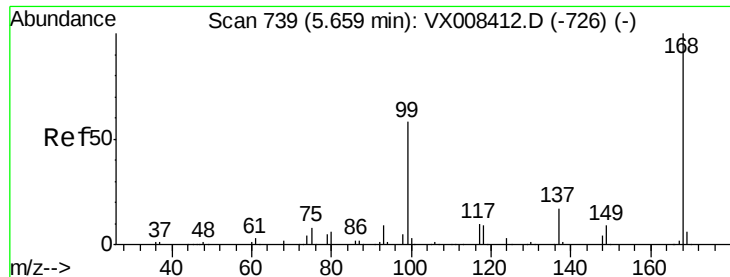
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 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: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

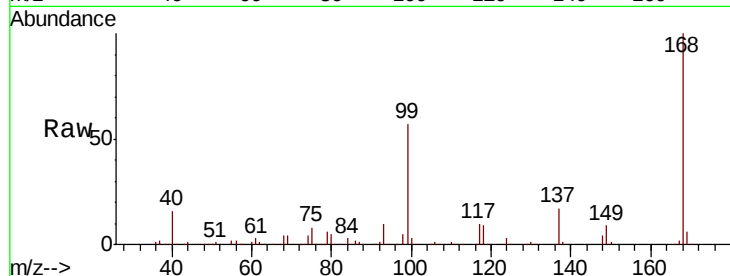
MW-104

Tot Ion:168 Resp: 232403

Ion Ratio Lower Upper

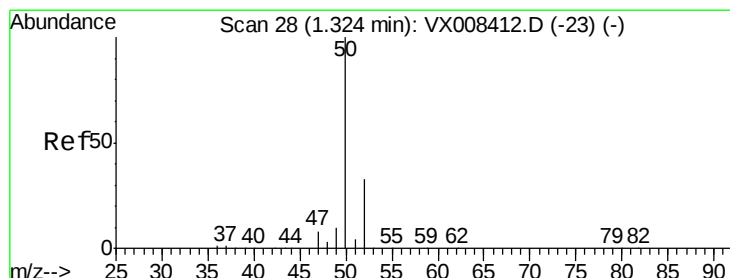
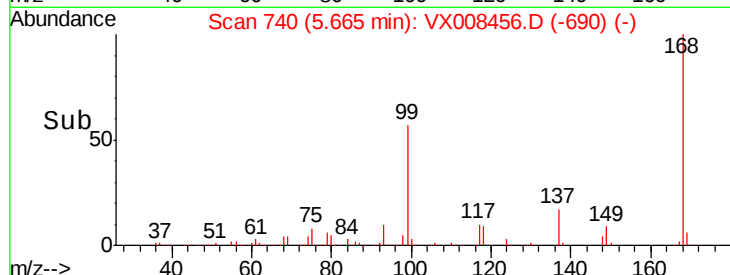
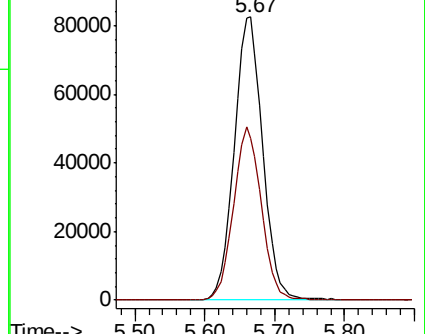
168 100

99 57.2 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008456.D

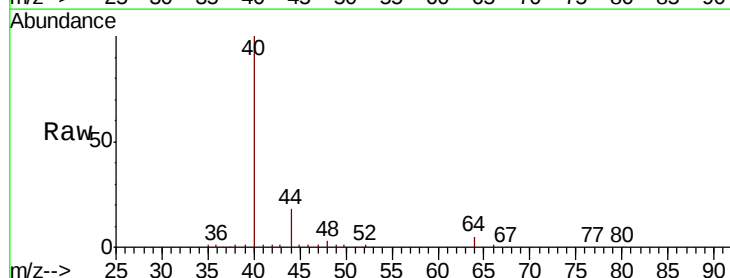
Acq: 26 Mar 2019 14:53

Tgt Ion: 50 Resp: 274

Ion Ratio Lower Upper

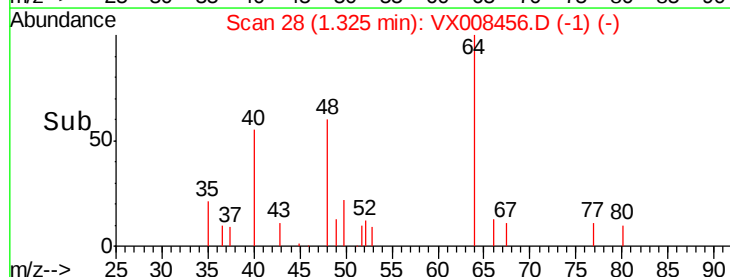
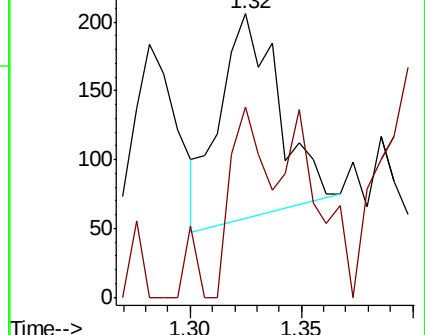
50 100

52 65.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.968 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampled :

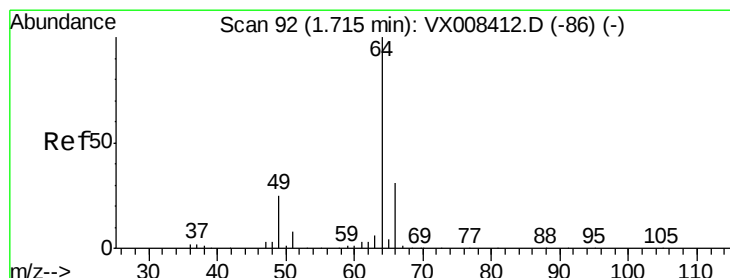
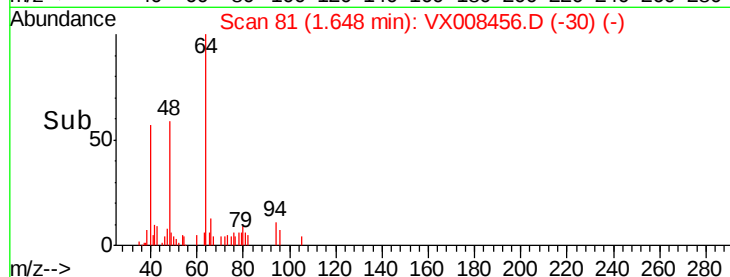
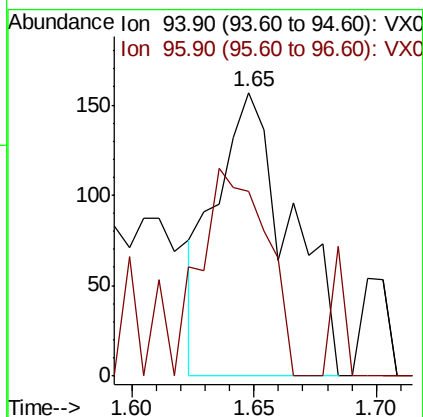
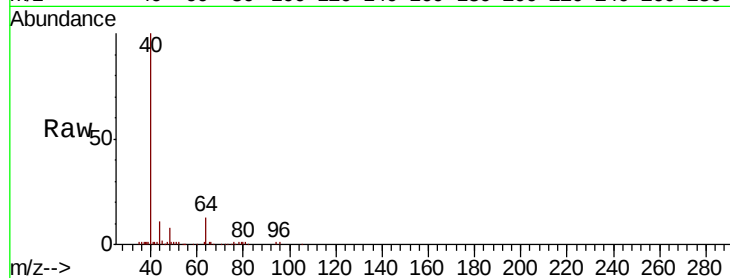
MW-104

Tot Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

96 26.8 74.8 112.2#



#6

Chloroethane

Concen: 2.549 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.16 min

Lab File: VX008456.D

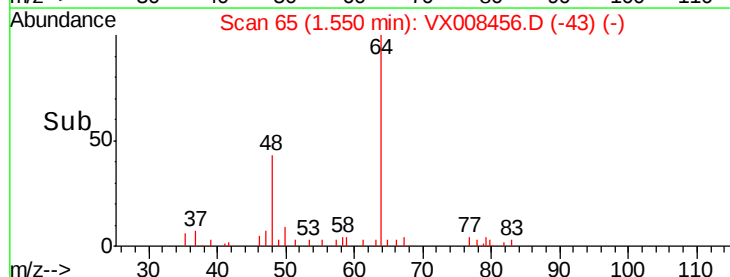
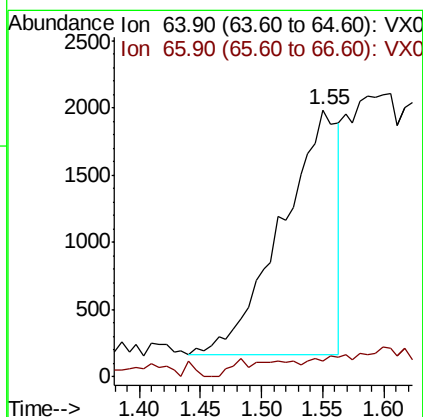
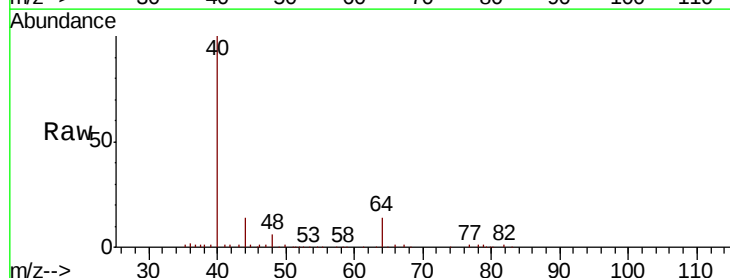
Acq: 26 Mar 2019 14:53

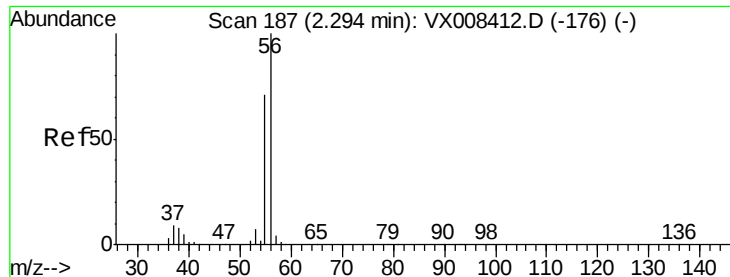
Tgt Ion: 64 Resp: 5776

Ion Ratio Lower Upper

64 100

66 0.2 25.1 37.7#





#13

Acrolein

Concen: 0.254 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

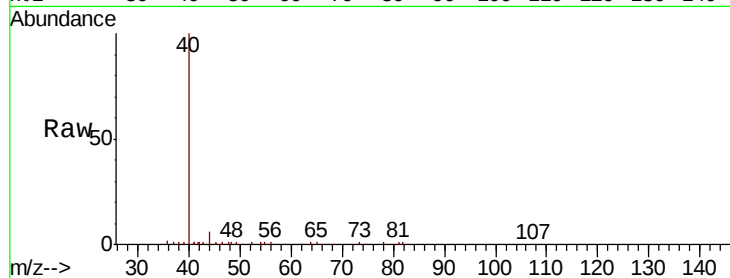
MW-104

Tot Ion: 56 Resp: 144

Ion Ratio Lower Upper

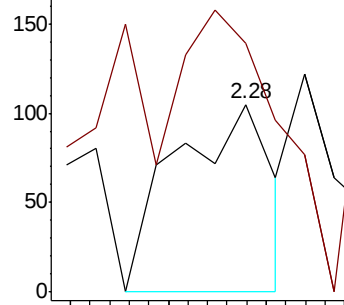
56 100

55 153.5 56.5 84.7#

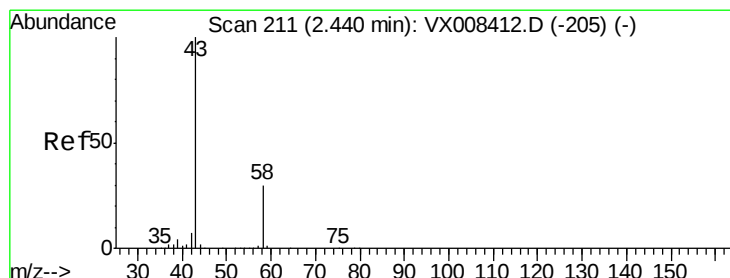
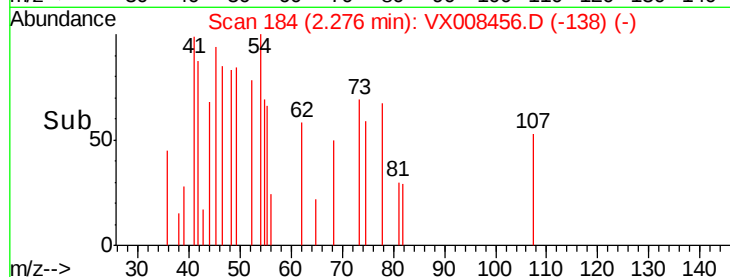


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 0.408 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008456.D

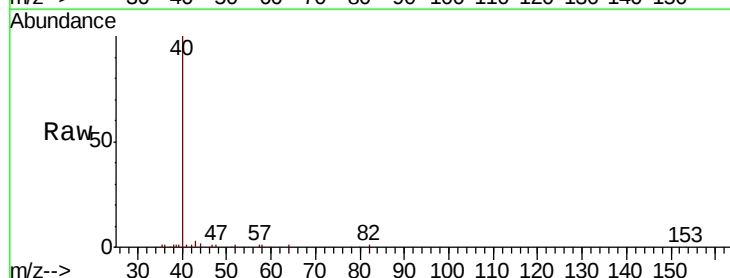
Acq: 26 Mar 2019 14:53

Tgt Ion: 43 Resp: 751

Ion Ratio Lower Upper

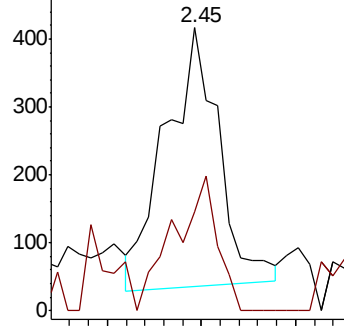
43 100

58 41.7 24.2 36.2#

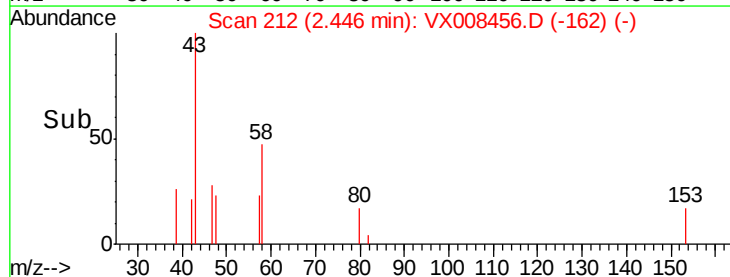


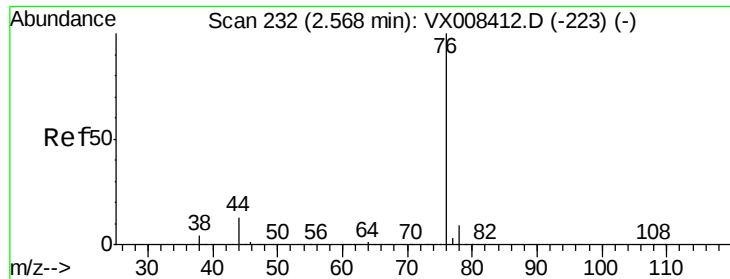
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

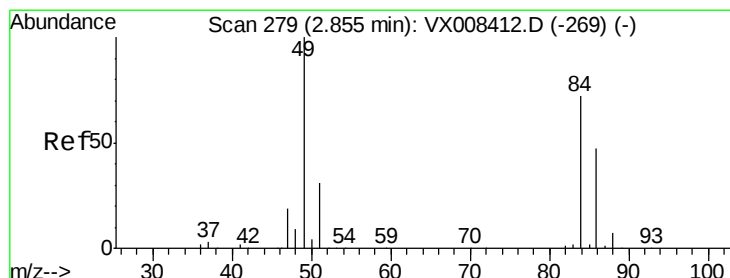
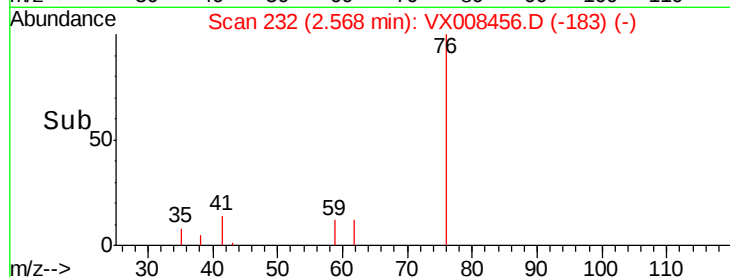
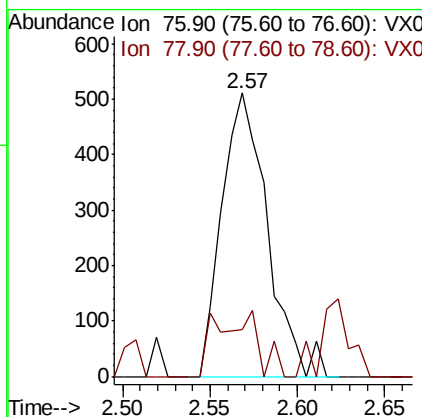
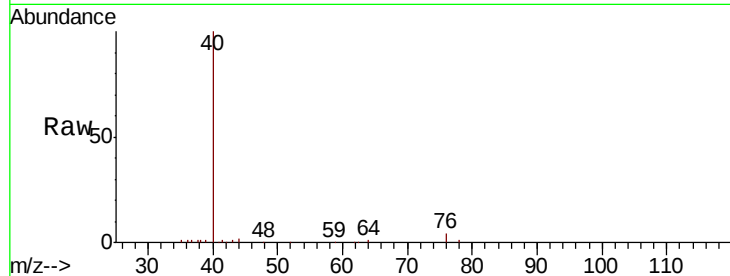




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008456.D
Acq: 26 Mar 2019 14:53

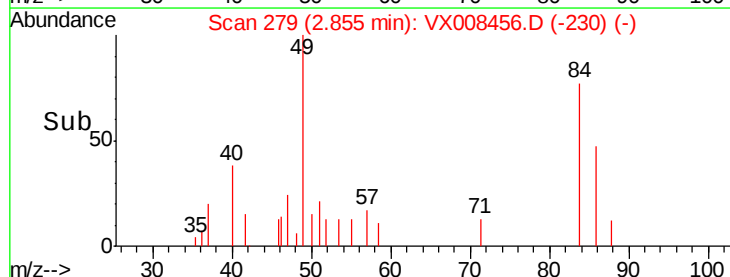
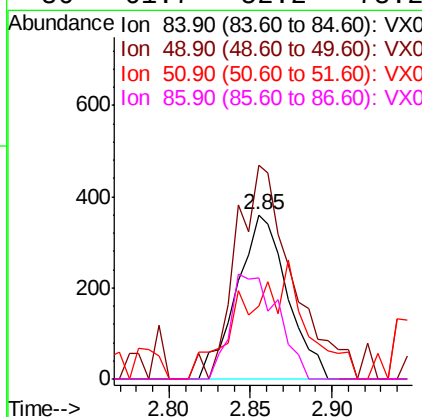
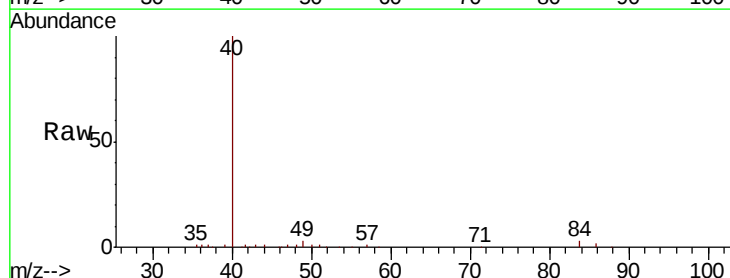
Instrument :
MSVOA_X
ClientSampled :
MW-104

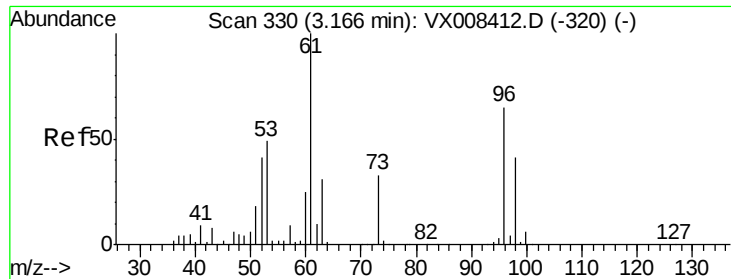
Tot Ion: 76 Resp: 924
Ion Ratio Lower Upper
76 100
78 16.4 7.4 11.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008456.D
Acq: 26 Mar 2019 14:53

Tgt Ion: 84 Resp: 775
Ion Ratio Lower Upper
84 100
49 130.3 110.6 165.8
51 44.7 33.9 50.9
86 61.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampled :

MW-104

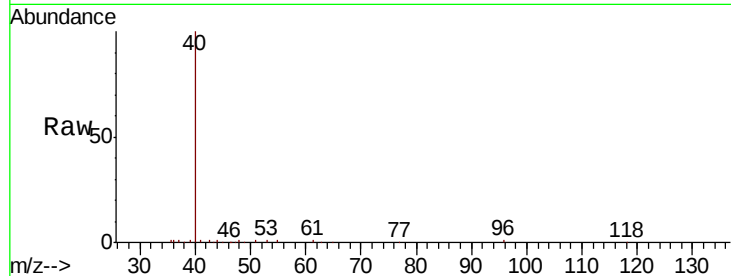
Tot Ion: 96 Resp: 96

Ion Ratio Lower Upper

96 100

61 100.0 122.6 184.0#

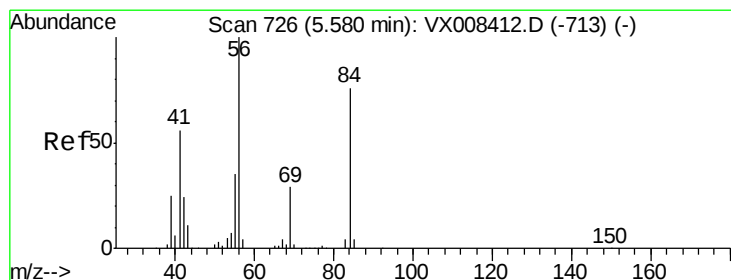
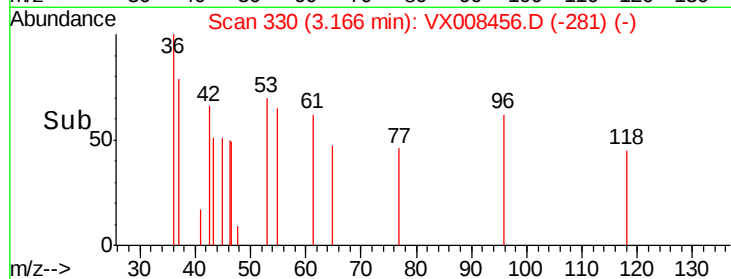
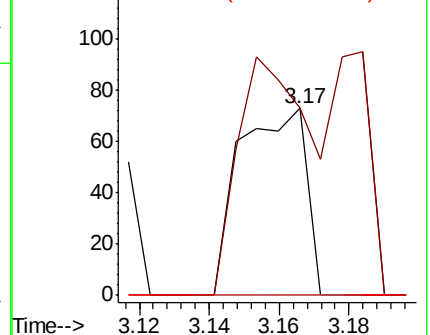
98 0.0 50.9 76.3#



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



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

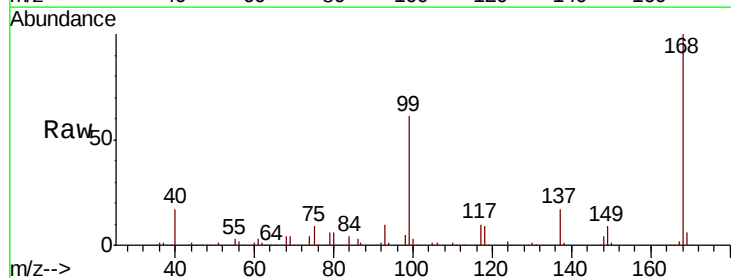
Tgt Ion: 56 Resp: 5586

Ion Ratio Lower Upper

56 100

69 178.4 23.2 34.8#

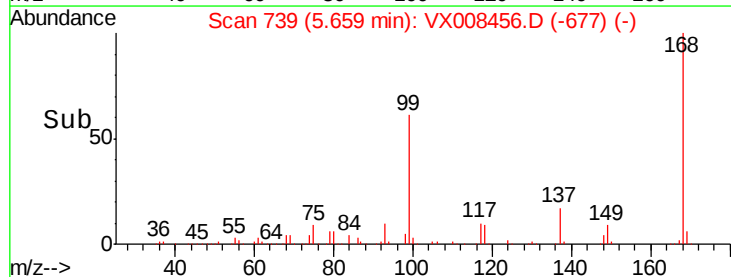
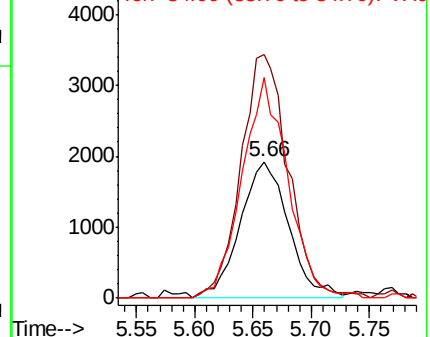
84 162.1 60.7 91.1#

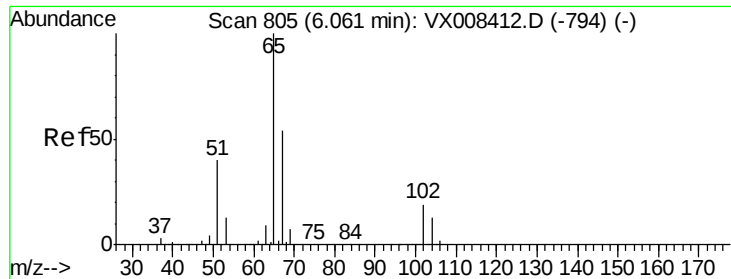


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.602 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampled :

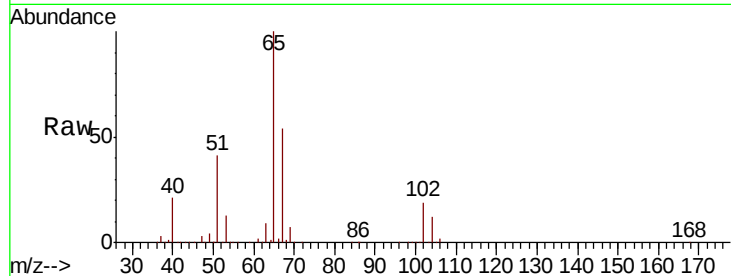
MW-104

Tot Ion: 65 Resp: 167714

Ion Ratio Lower Upper

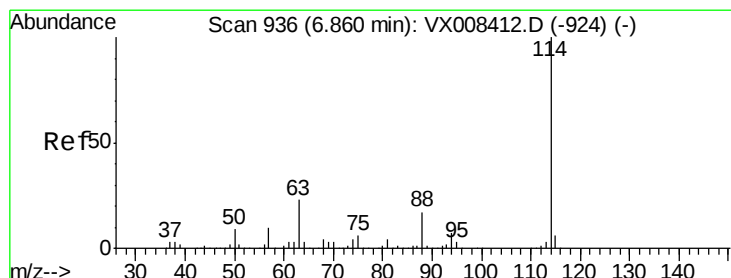
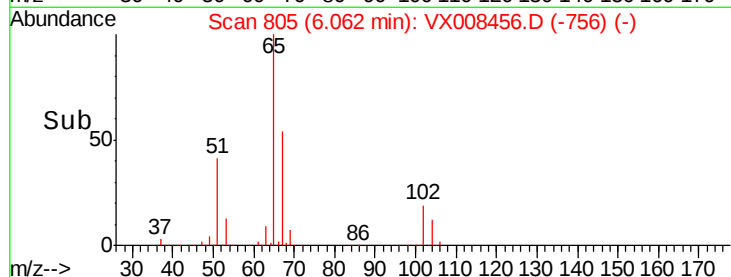
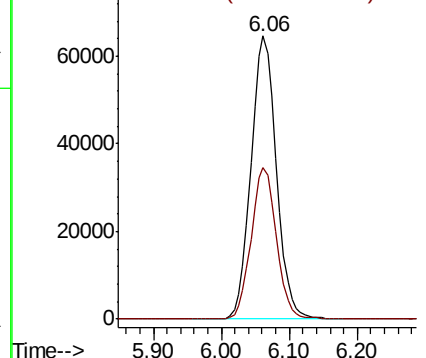
65 100

67 53.5 0.0 109.4



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: VX008456.D

Acq: 26 Mar 2019 14:53

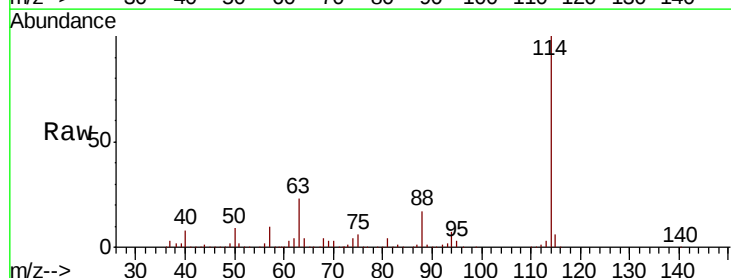
Tgt Ion: 114 Resp: 397373

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

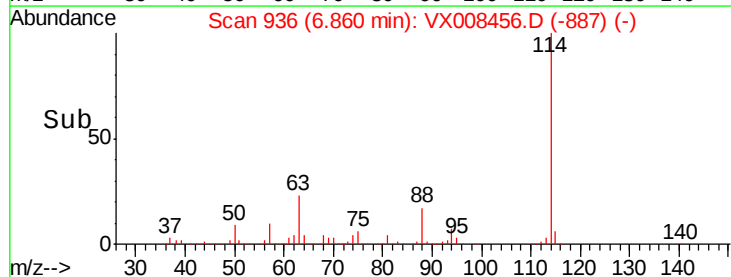
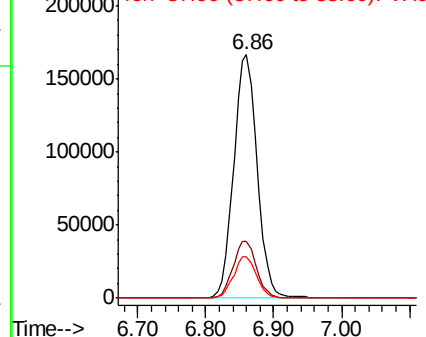
88 17.0 0.0 33.2

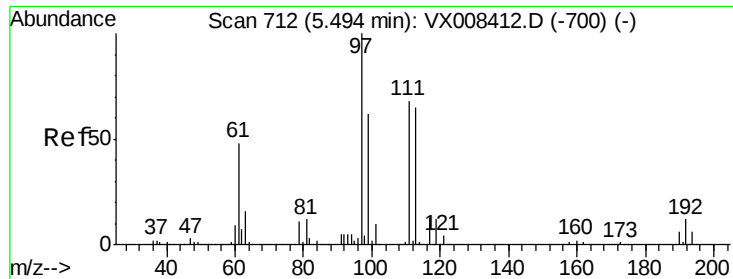


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.519 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW-104

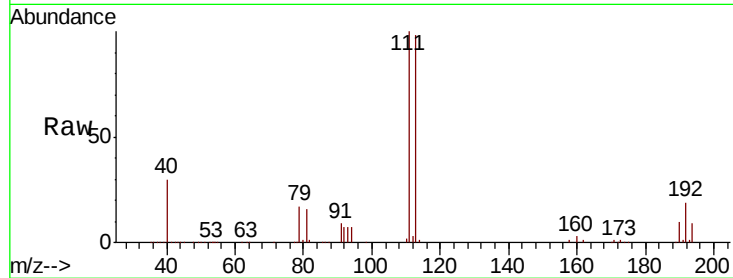
Tot Ion:113 Resp: 123124

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

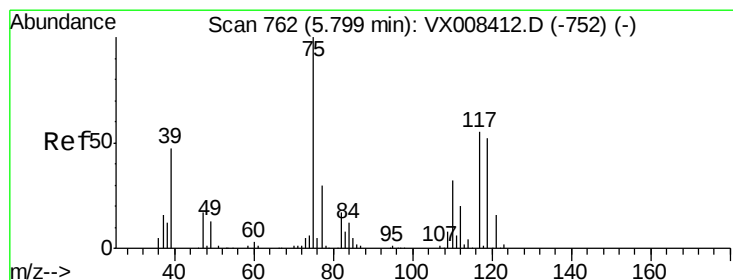
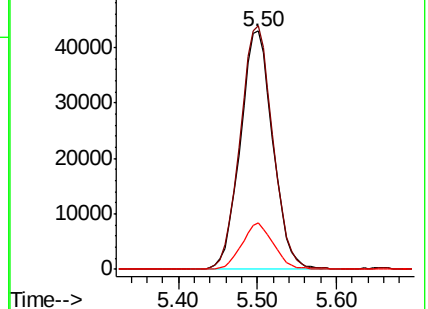
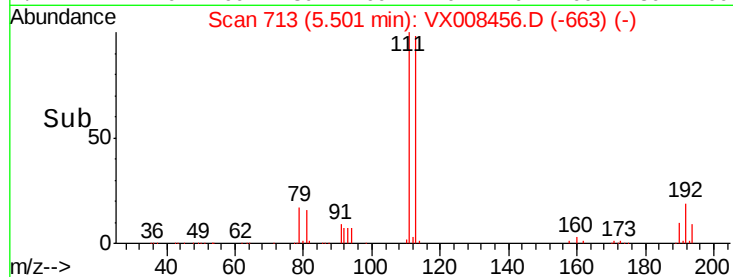
192 18.9 15.6 23.4



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: 4.799 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

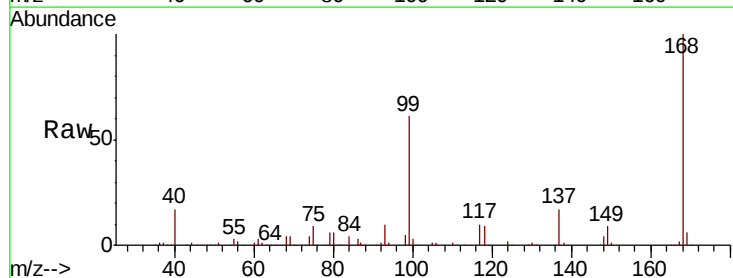
Tgt Ion: 75 Resp: 20332

Ion Ratio Lower Upper

75 100

110 8.3 16.6 49.7#

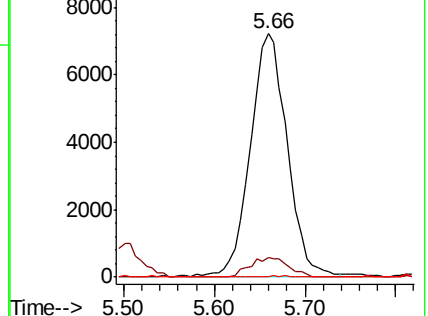
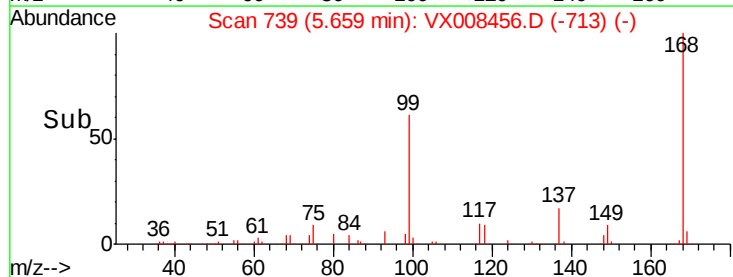
77 0.2 24.2 36.2#

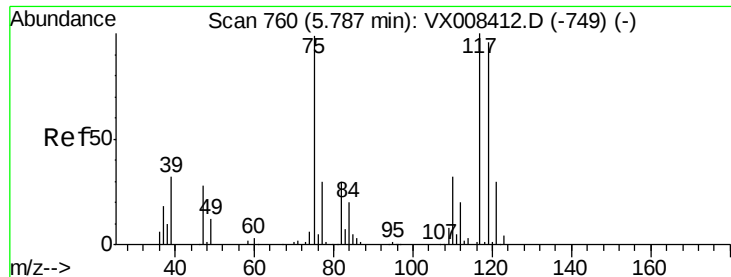


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

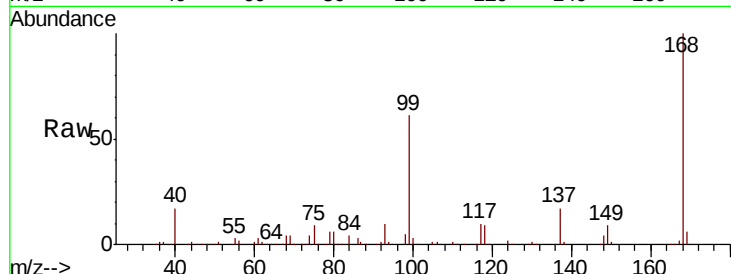




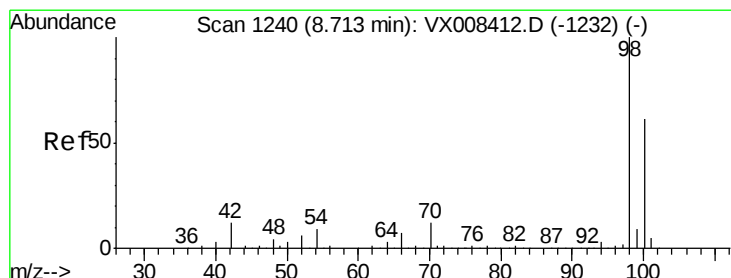
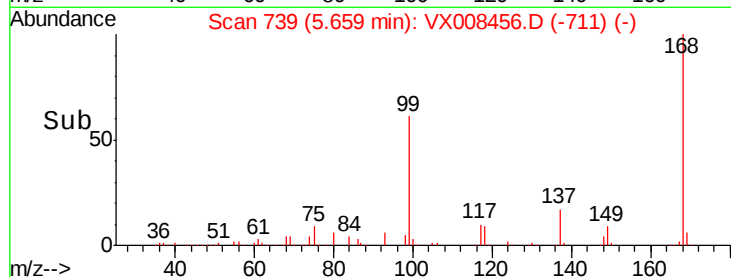
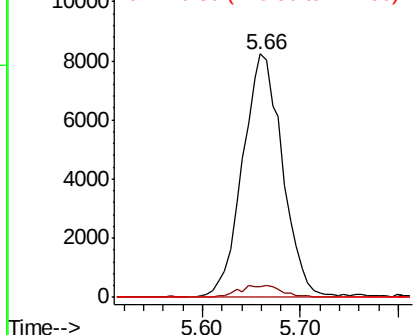
#38
Carbon Tetrachloride
Concen: 6.587 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008456.D
Acq: 26 Mar 2019 14:53

Instrument :
MSVOA_X
ClientSampled :
MW-104

Tot Ion:117 Resp: 23290
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 24.3 36.5#

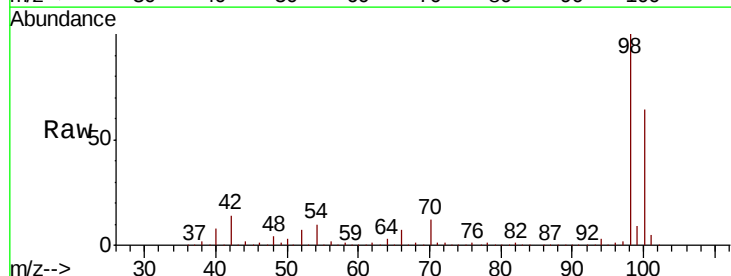


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

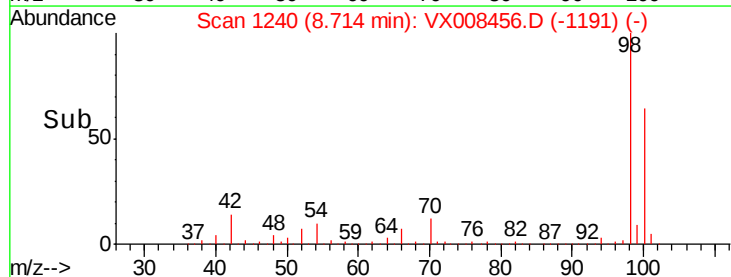
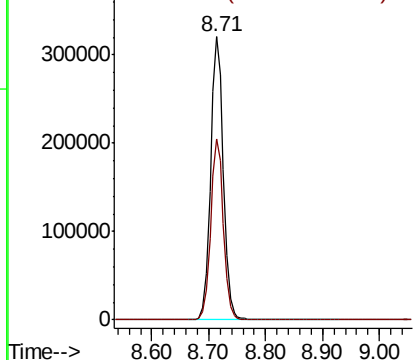


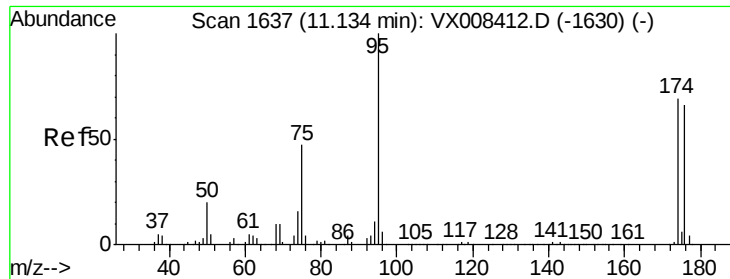
#50
Toluene-d8
Concen: 48.092 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008456.D
Acq: 26 Mar 2019 14:53

Tgt Ion: 98 Resp: 498259
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.446 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW-104

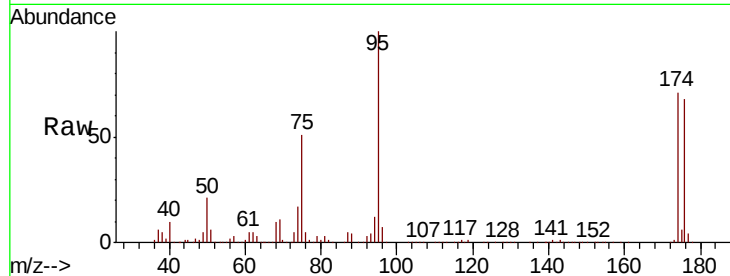
Tot Ion: 95 Resp: 170638

Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.2

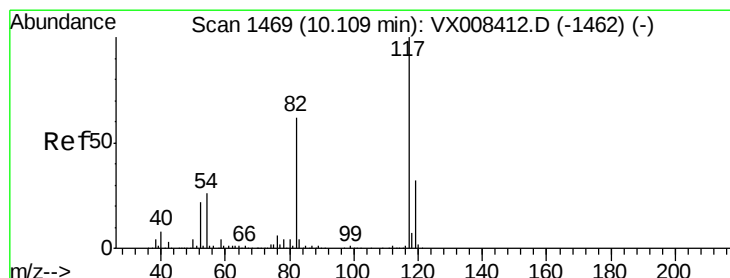
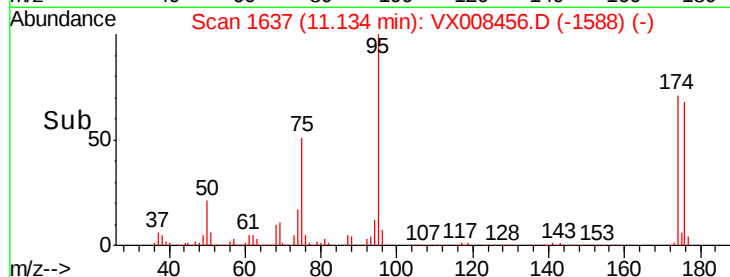
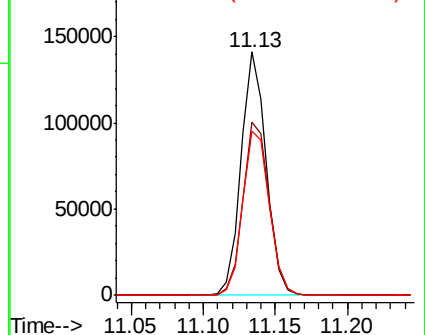
176 71.6 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008412.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008412.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008412.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

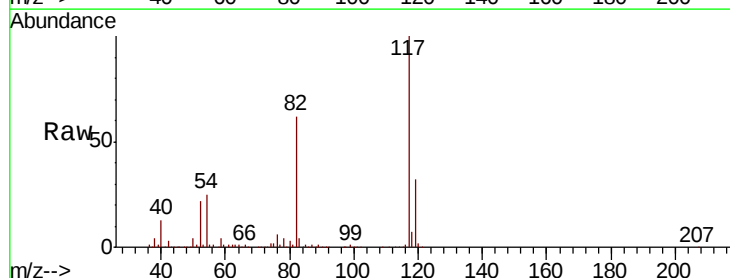
Tgt Ion: 117 Resp: 344922

Ion Ratio Lower Upper

117 100

82 61.5 49.4 74.2

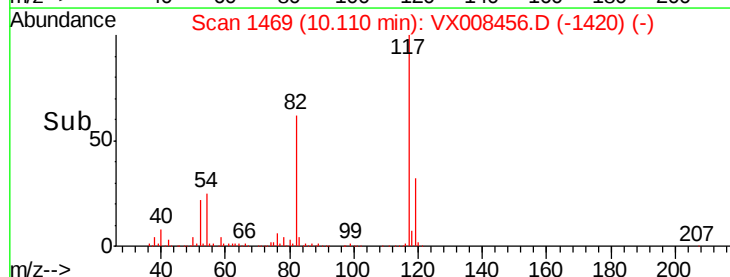
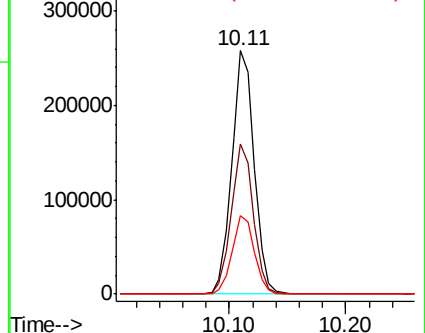
119 32.3 25.4 38.0

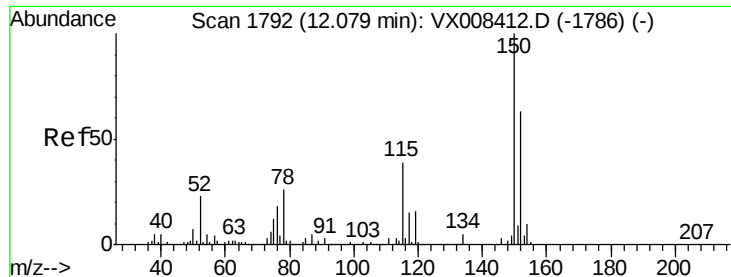


Abundance Ion 116.90 (116.60 to 117.60): VX008412.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008412.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008412.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW-104

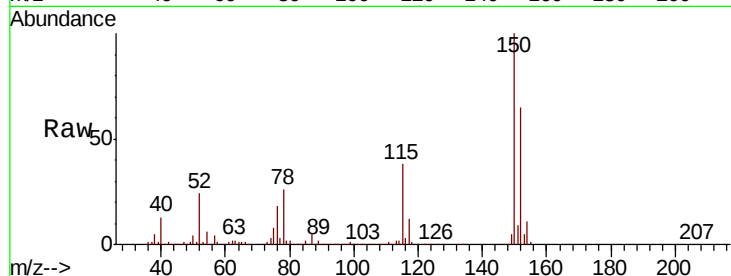
Tot Ion:152 Resp: 144670

Ion Ratio Lower Upper

152 100

115 60.9 43.5 130.5

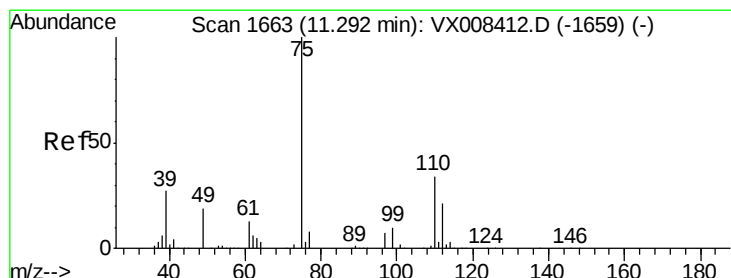
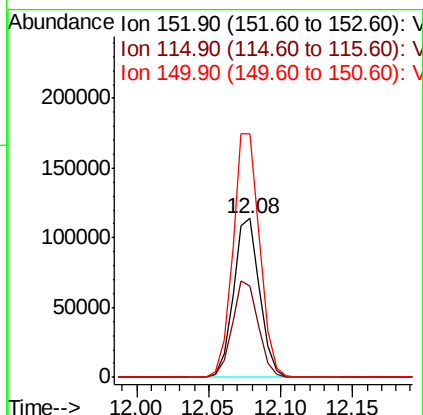
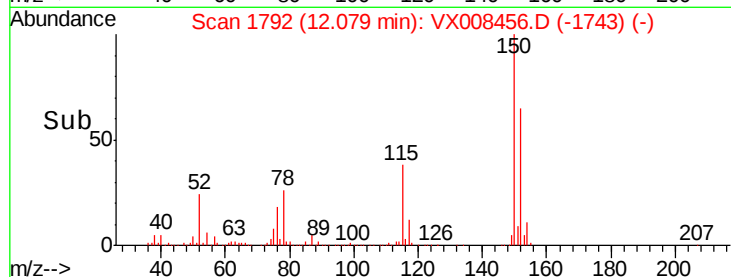
150 156.9 0.0 348.8



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: 20.544 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008456.D

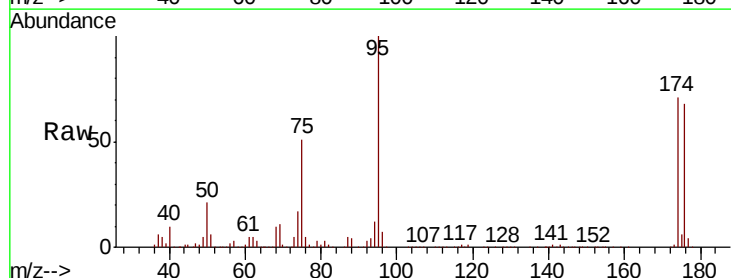
Acq: 26 Mar 2019 14:53

Tgt Ion: 75 Resp: 88357

Ion Ratio Lower Upper

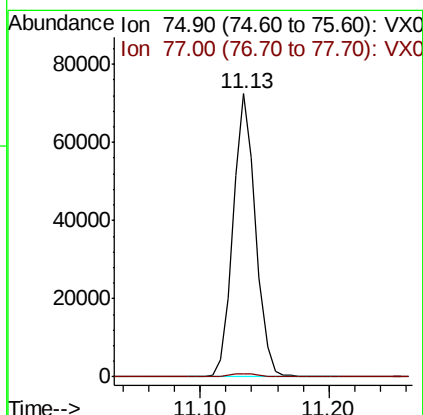
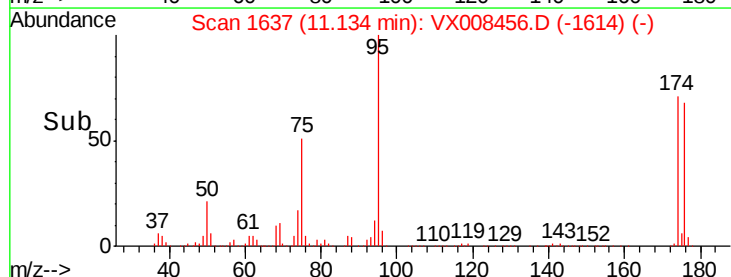
75 100

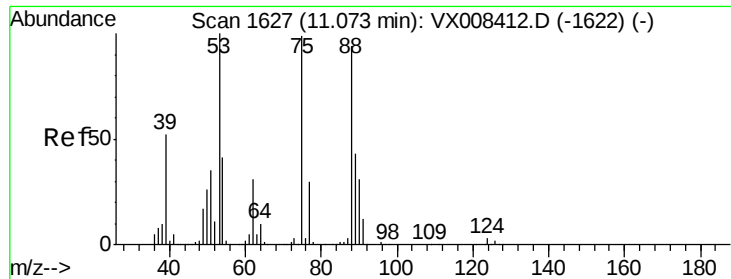
77 1.3 21.9 65.7#



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: 65.799 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008456.D

Acq: 26 Mar 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

MW-104

Tot Ion: 75 Resp: 88357

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

