

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000801.D
 Acq On : 12 Apr 2018 14:50
 Operator : JC/MD
 Sample : J2190-09DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16-040218DL

Quant Time: Apr 13 06:54:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203645	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	158864	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	5.51	113	131820	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
50) Toluene-d8	8.72	98	498020	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
62) 4-Bromofluorobenzene	11.15	95	187204	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	

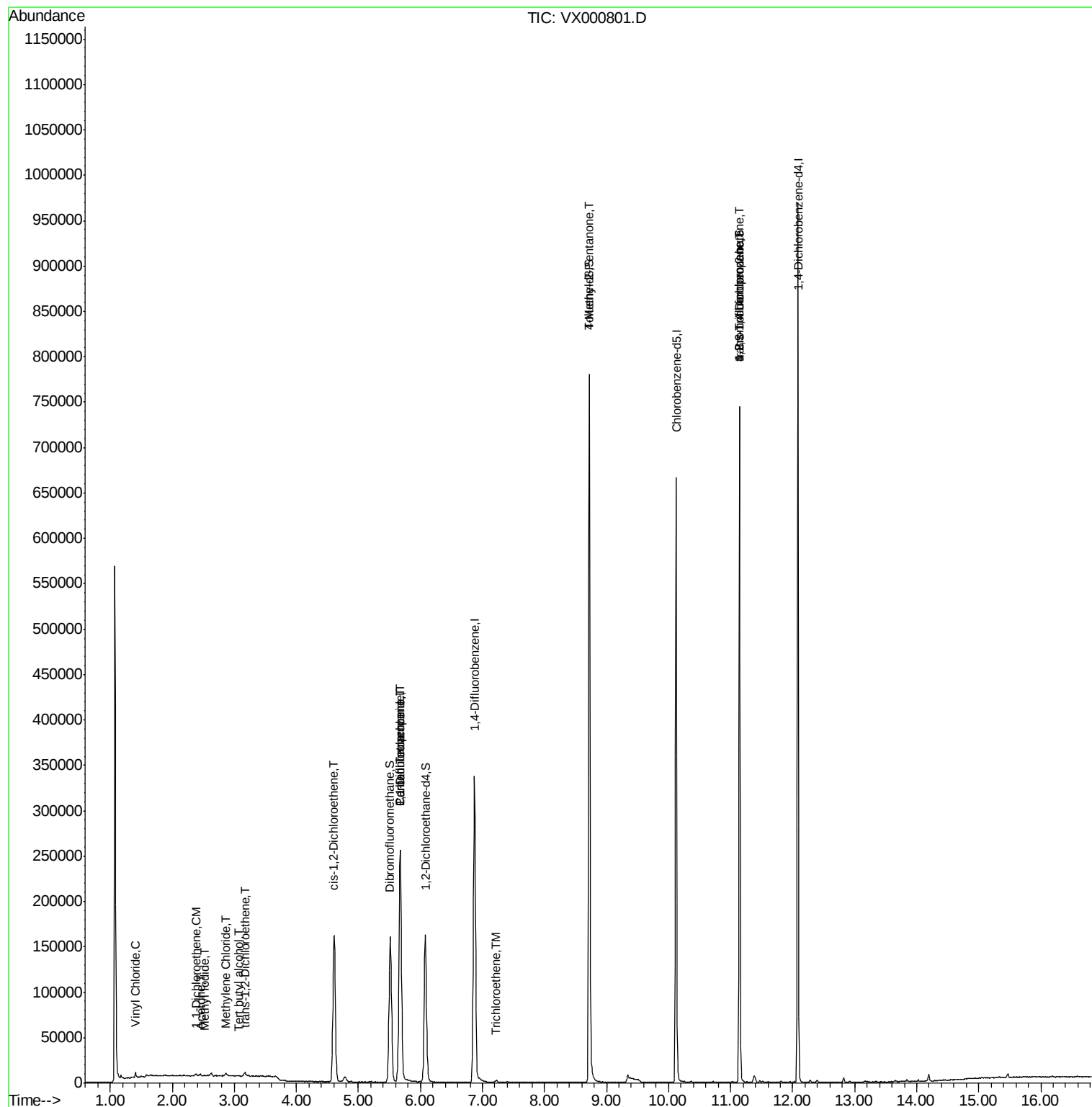
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3743	1.22	ug/l	95
5) Bromomethane	1.65	94	351	Below	Cal	# 79
10) Methyl Iodide	2.51	142	253	8.33	ug/l	# 83
11) Tert butyl alcohol	3.07	59	154	0.24	ug/l	# 1
12) 1,1-Dichloroethene	2.37	96	980	0.38	ug/l	# 74
16) Acetone	2.45	43	2436	1.98	ug/l	97
20) Methylene Chloride	2.87	84	1500	0.52	ug/l	# 82
21) trans-1,2-Dichloroethene	3.17	96	1612	0.56	ug/l	# 89
27) cis-1,2-Dichloroethene	4.61	96	105937	32.60	ug/l	# 89
36) 1,1-Dichloropropene	5.67	75	16666	4.13	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	24056	5.33	ug/l	# 14
44) Trichloroethene	7.22	130	1061	0.30	ug/l	85
51) 4-Methyl-2-Pentanone	8.73	43	2170	0.55	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	91854	26.15	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	91854	71.94	ug/l	# 11

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

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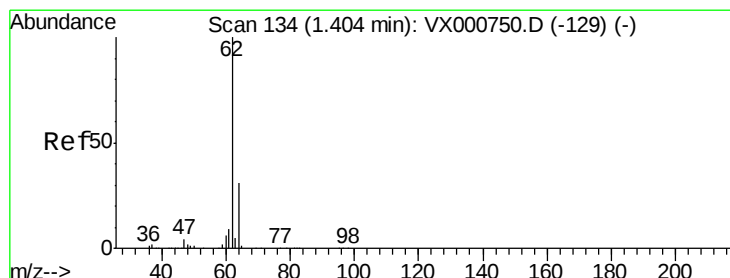
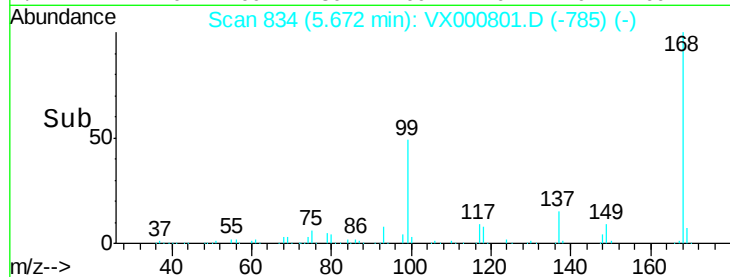
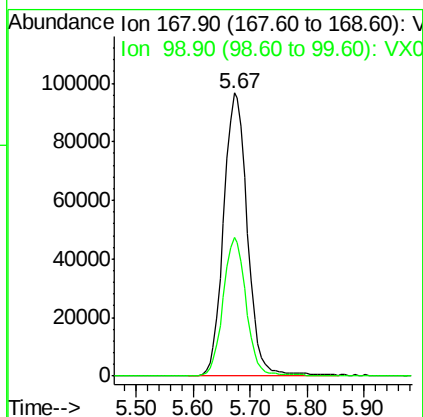
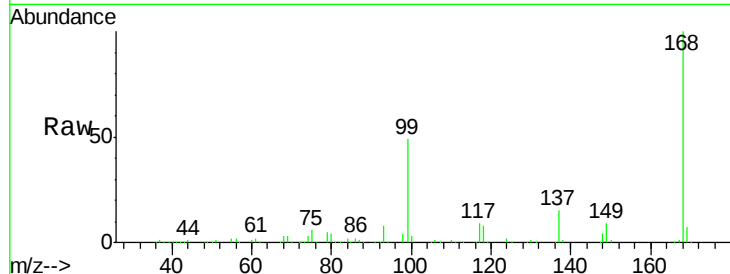




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX000801.D
Acq: 12 Apr 2018 14:50

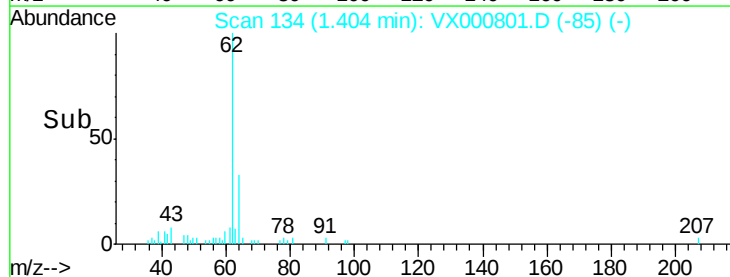
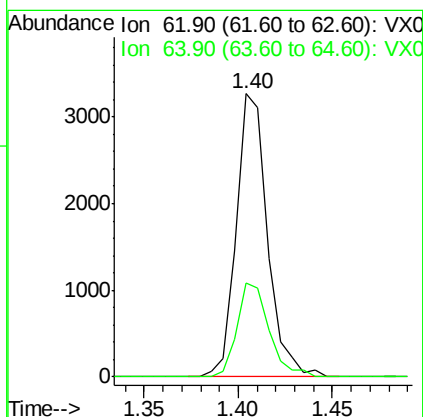
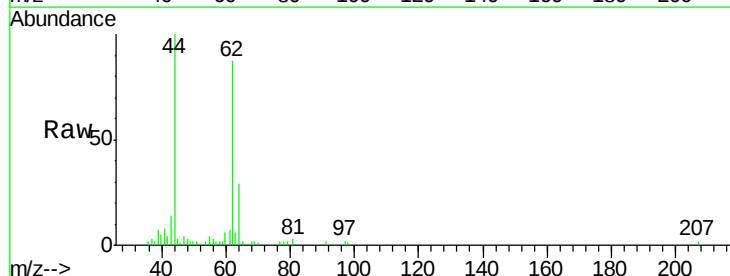
Instrument :
MSVOA_X
ClientSampleId :
MW-16-040218DL

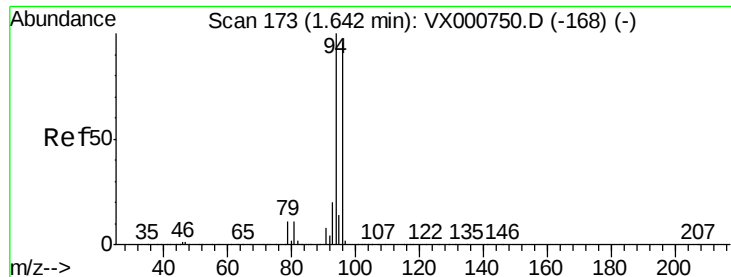
Tgt Ion: 168 Resp: 282940
Ion Ratio Lower Upper
168 100
99 48.9 38.3 57.5



#4
Vinyl Chloride
Concen: 1.22 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX000801.D
Acq: 12 Apr 2018 14:50

Tgt Ion: 62 Resp: 3743
Ion Ratio Lower Upper
62 100
64 33.2 24.6 36.8





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

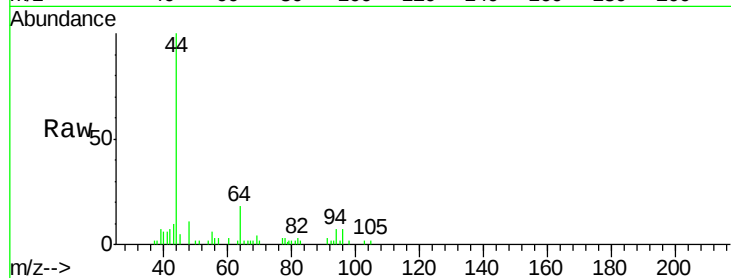
MW-16-040218DL

Tgt Ion: 94 Resp: 351

Ion Ratio Lower Upper

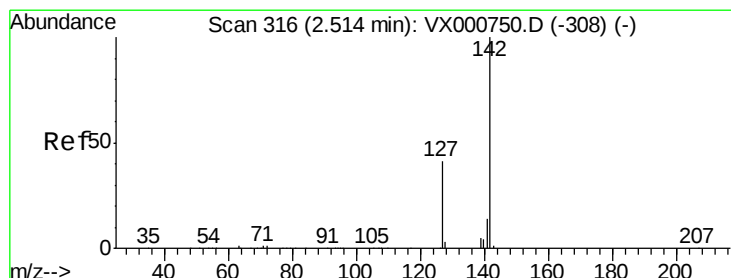
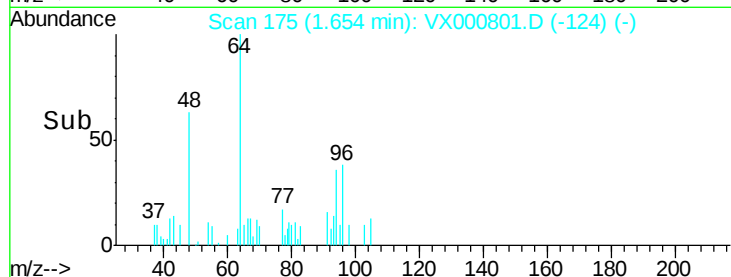
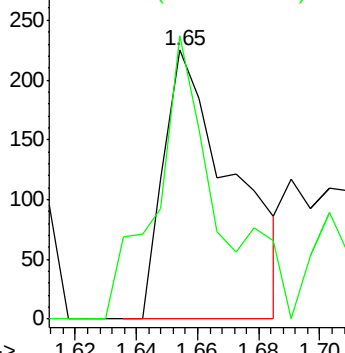
94 100

96 76.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 8.33 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

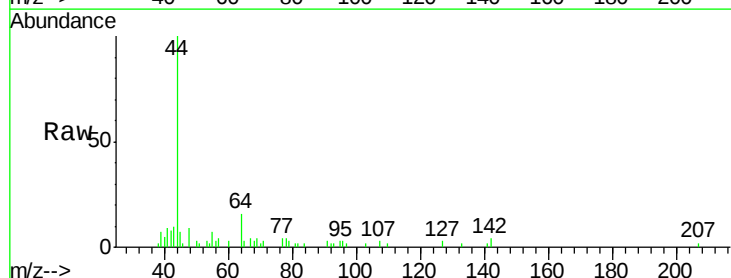
Tgt Ion: 142 Resp: 253

Ion Ratio Lower Upper

142 100

127 42.7 32.6 49.0

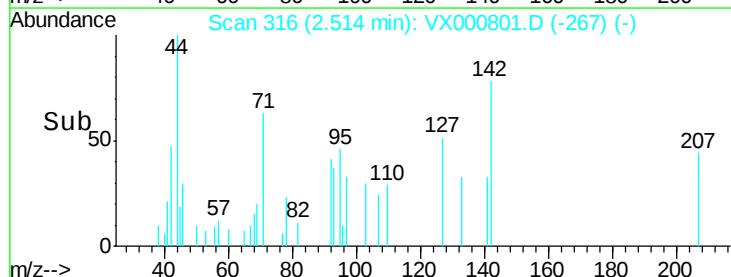
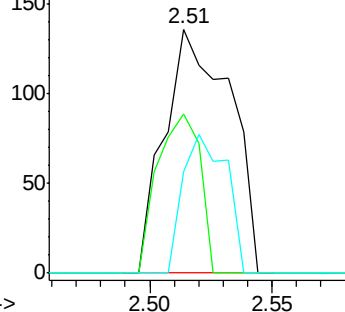
141 37.5 11.5 17.3#

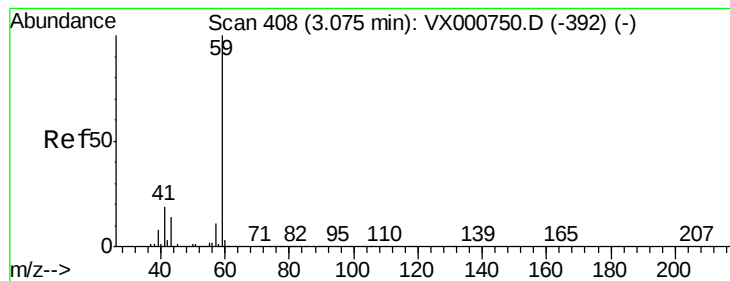


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

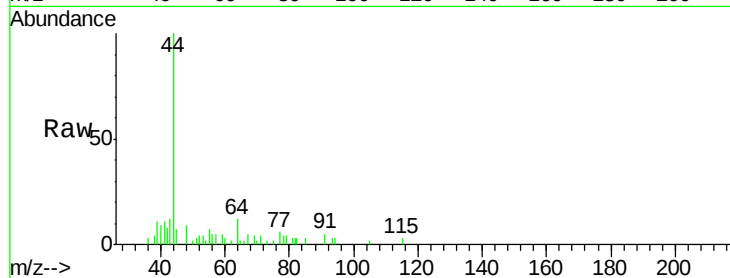
MW-16-040218DL

Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

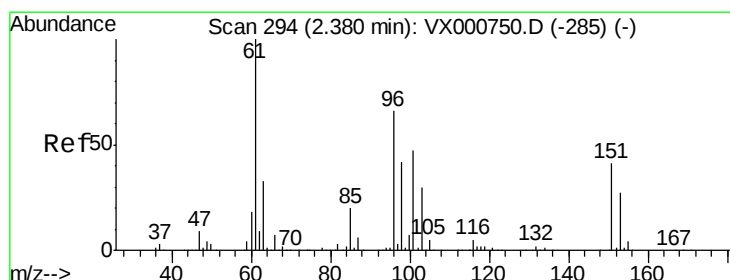
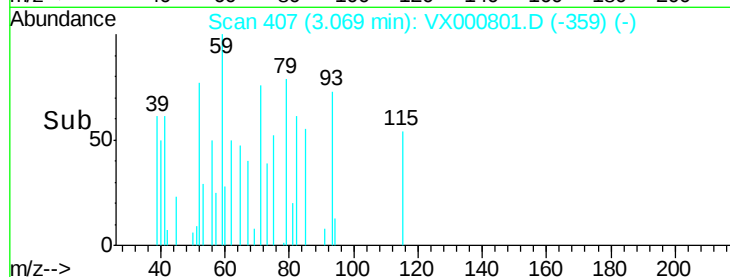
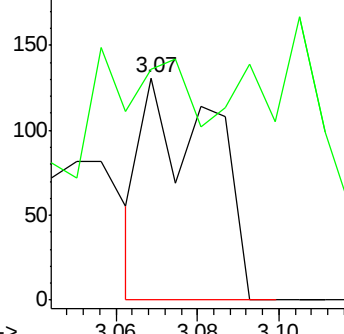
59 100

57 70.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 0.38 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

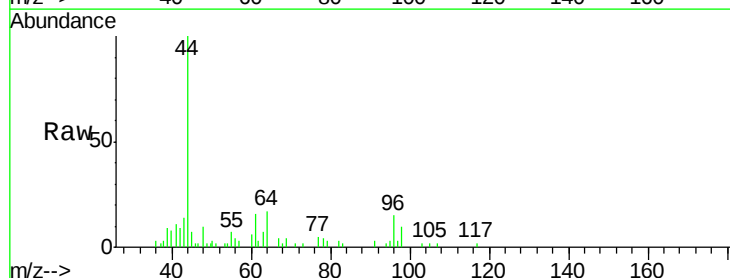
Tgt Ion: 96 Resp: 980

Ion Ratio Lower Upper

96 100

61 104.1 120.5 180.7#

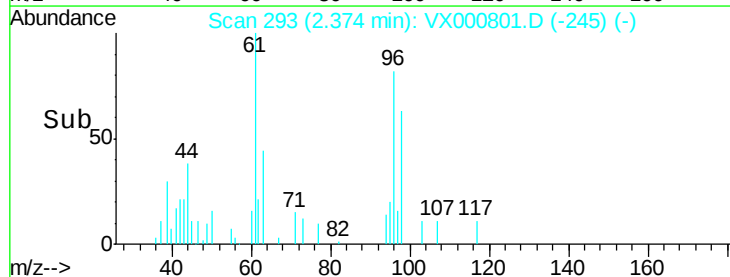
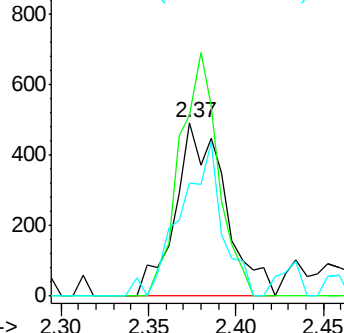
98 65.1 50.9 76.3

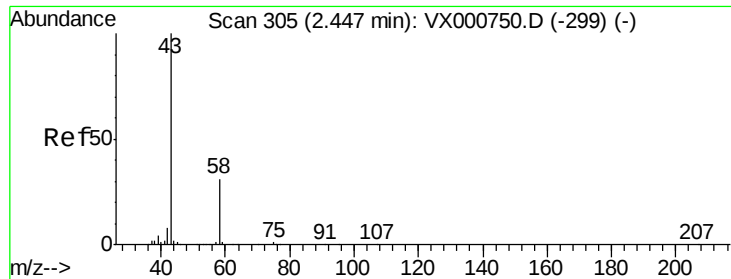


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 1.98 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

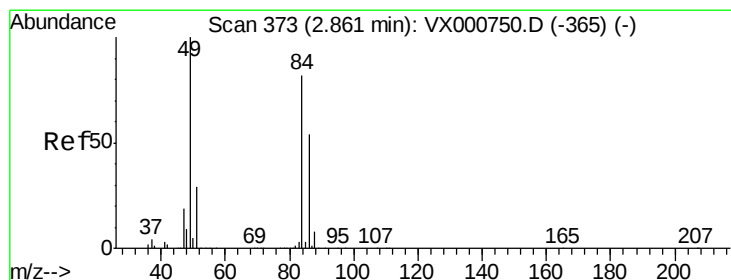
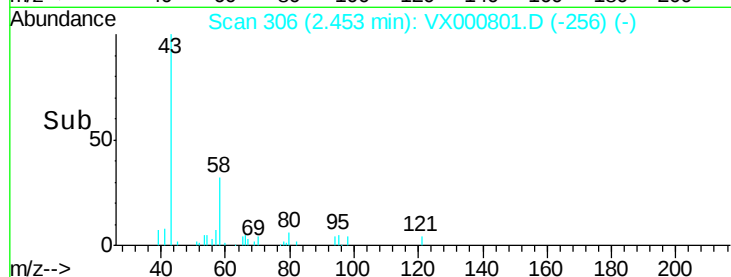
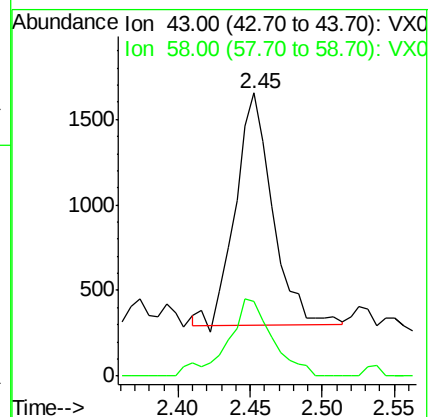
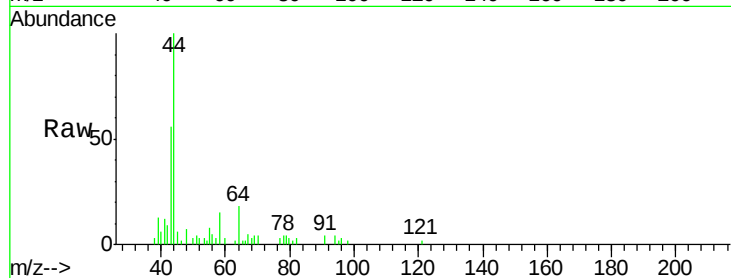
MW-16-040218DL

Tgt Ion: 43 Resp: 2436

Ion Ratio Lower Upper

43 100

58 32.5 24.6 37.0



#20

Methylene Chloride

Concen: 0.52 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Tgt Ion: 84 Resp: 1500

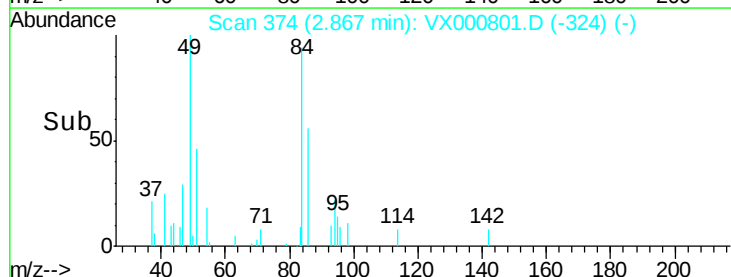
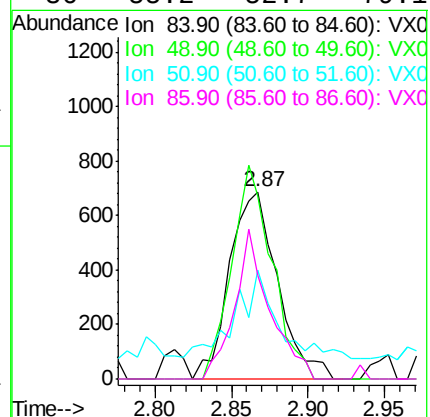
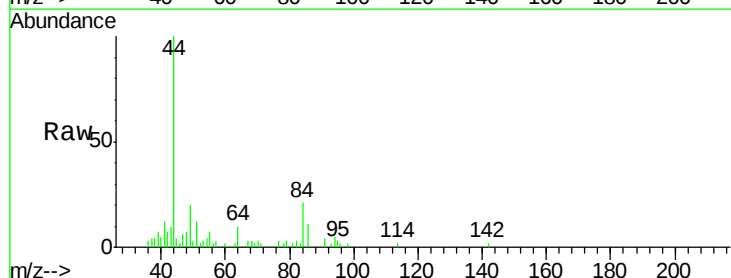
Ion Ratio Lower Upper

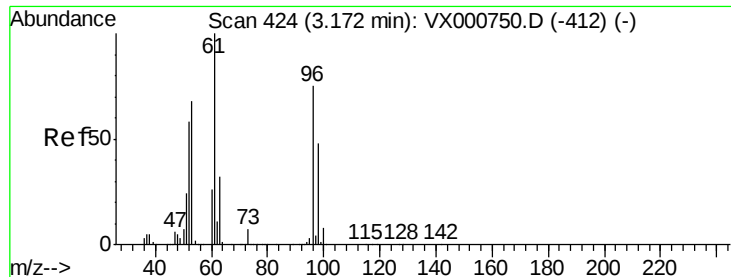
84 100

49 97.8 98.1 147.1#

51 44.0 28.9 43.3#

86 55.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 0.56 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampled :

MW-16-040218DL

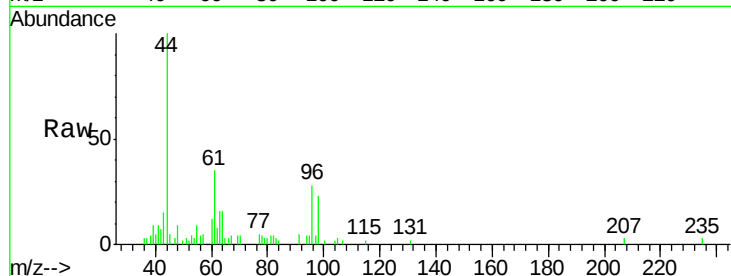
Tgt Ion: 96 Resp: 1612

Ion Ratio Lower Upper

96 100

61 125.2 106.2 159.2

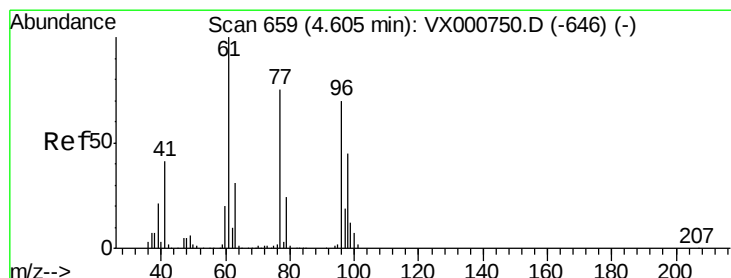
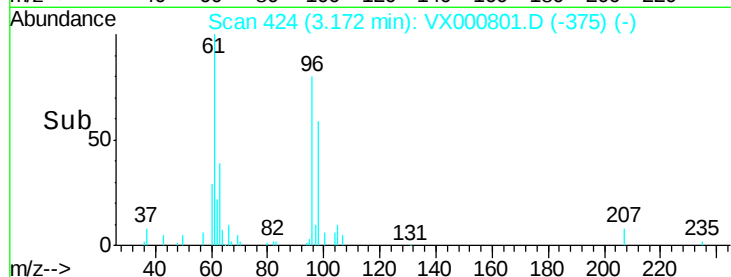
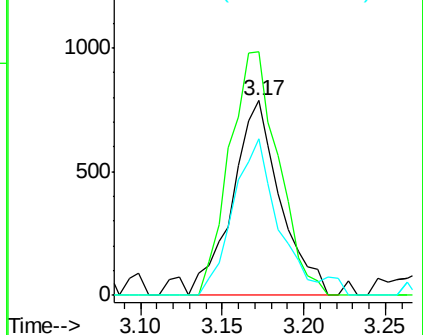
98 80.4 51.2 76.8#



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



#27

cis-1,2-Dichloroethene

Concen: 32.60 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

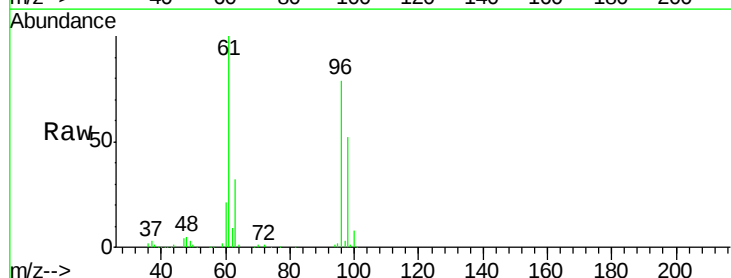
Tgt Ion: 96 Resp: 105937

Ion Ratio Lower Upper

96 100

61 126.9 0.0 292.4

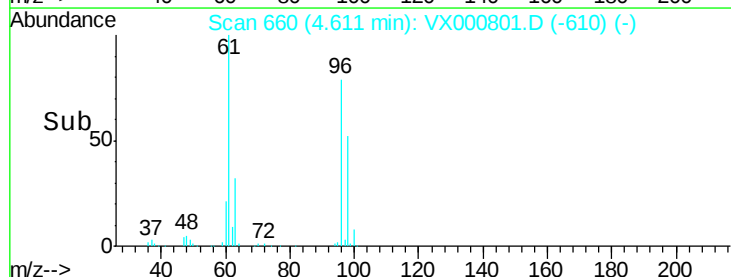
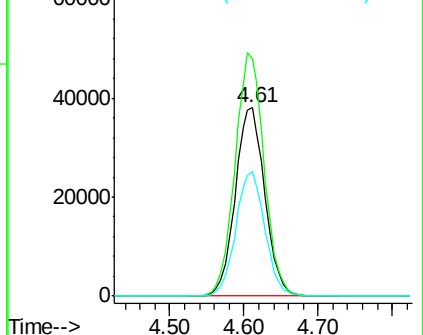
98 65.2 0.0 130.2

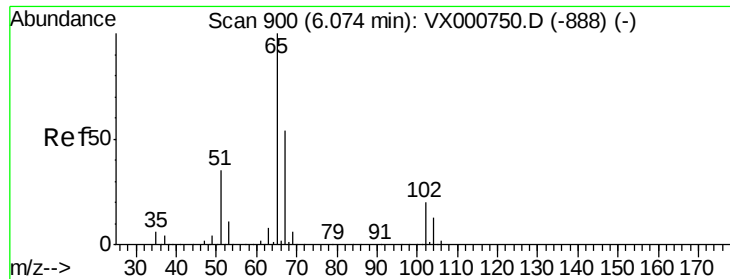


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.53 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

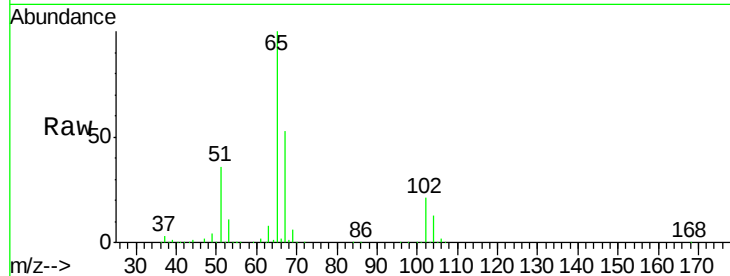
MW-16-040218DL

Tgt Ion: 65 Resp: 158864

Ion Ratio Lower Upper

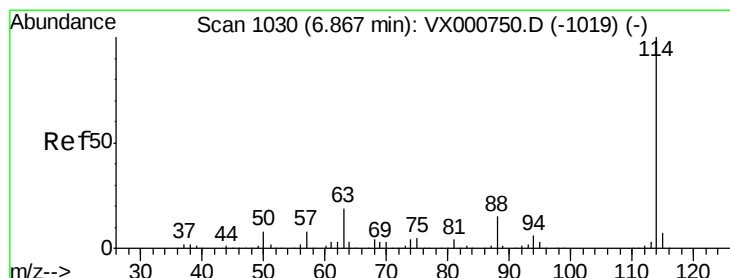
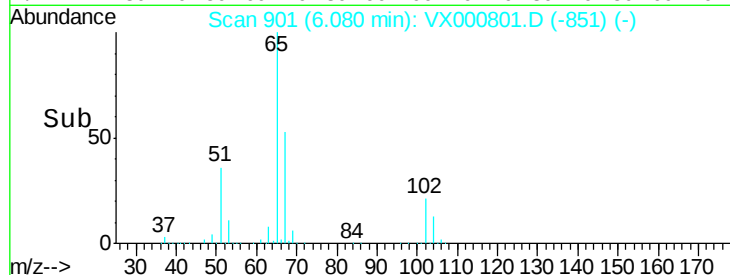
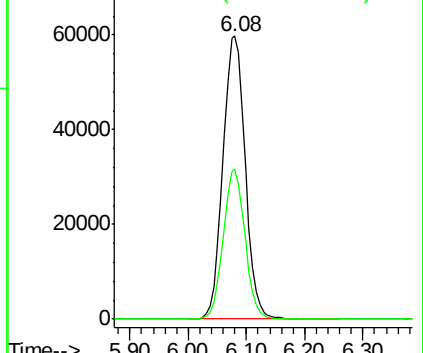
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

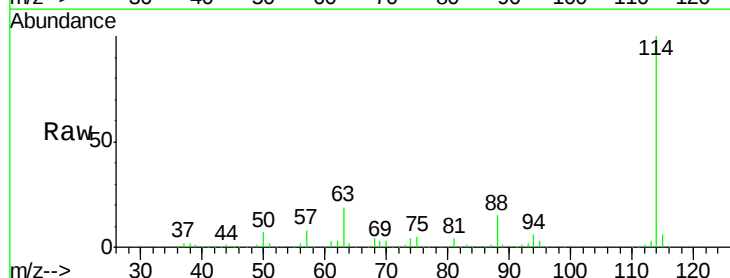
Tgt Ion: 114 Resp: 366233

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

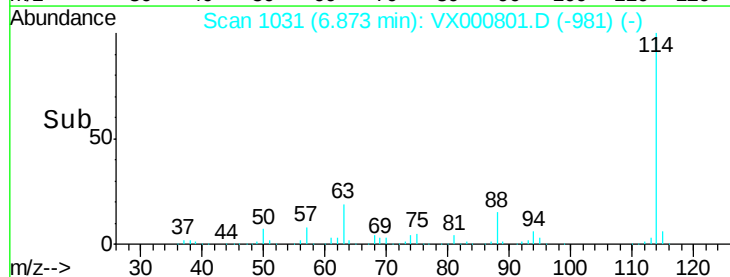
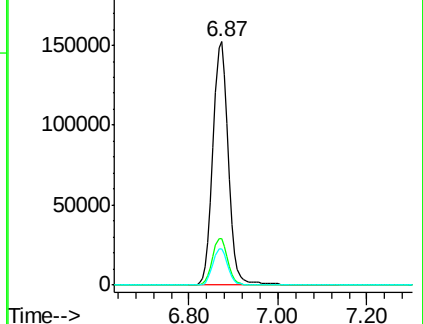
88 15.1 0.0 31.0

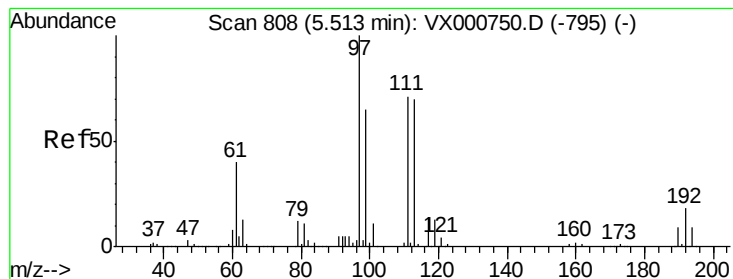


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

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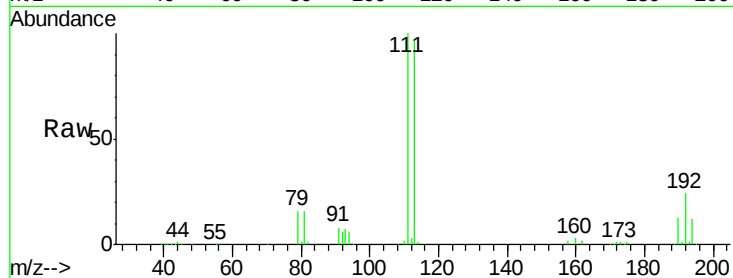
Tgt Ion:113 Resp: 131820

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

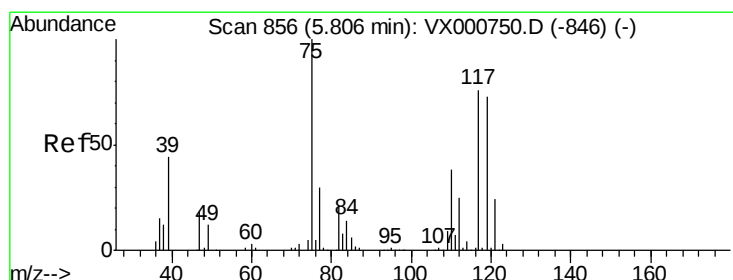
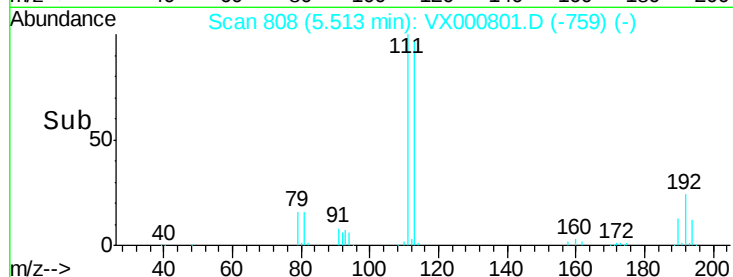
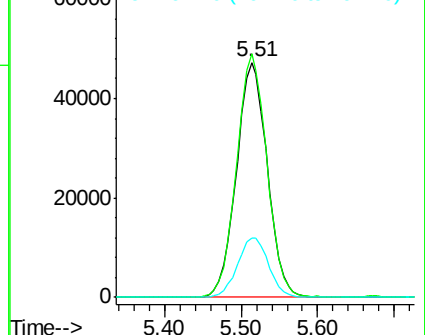
192 25.6 20.4 30.6



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: 4.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

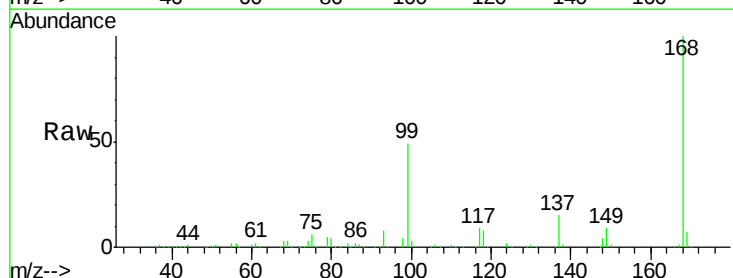
Tgt Ion: 75 Resp: 16666

Ion Ratio Lower Upper

75 100

110 10.2 19.2 57.6#

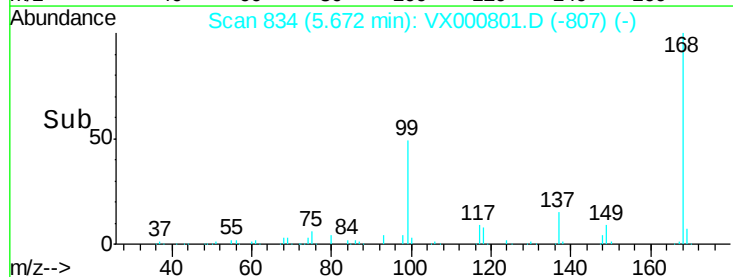
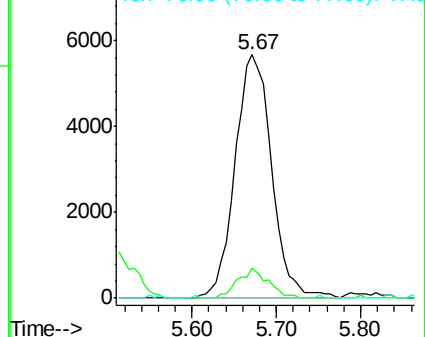
77 0.0 25.4 38.2#

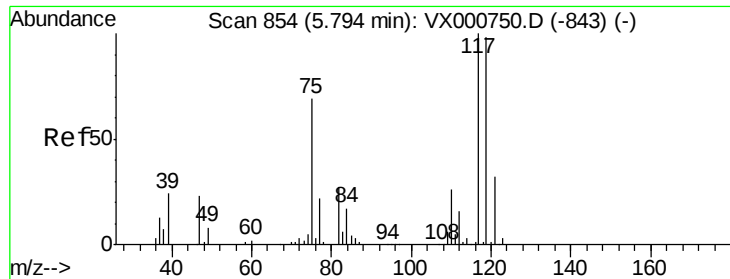


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-16-040218DL

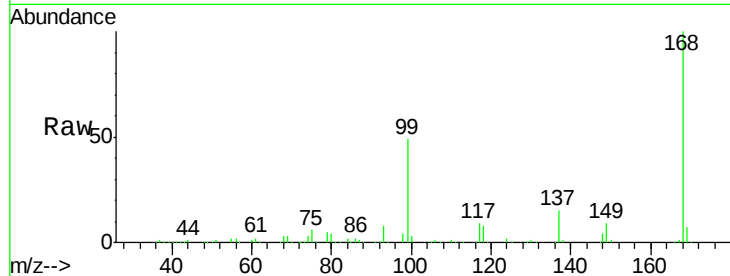
Tgt Ion:117 Resp: 24056

Ion Ratio Lower Upper

117 100

119 4.1 78.4 117.6#

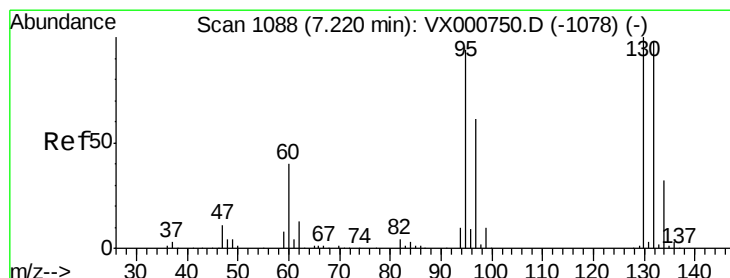
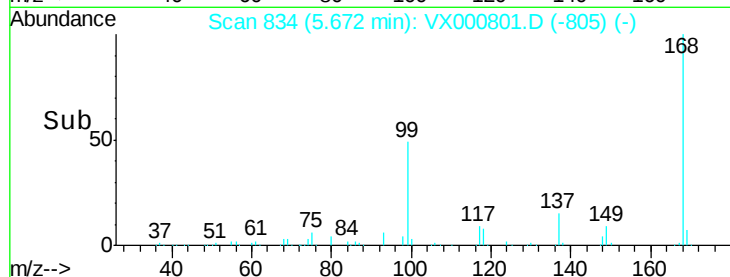
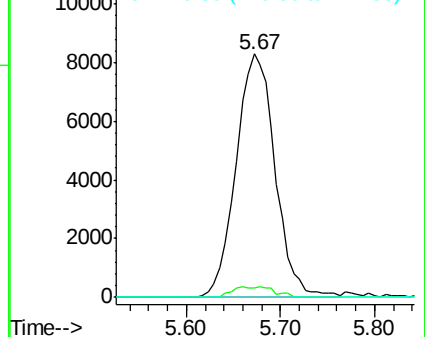
121 0.0 25.4 38.0#



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: 0.30 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX000801.D

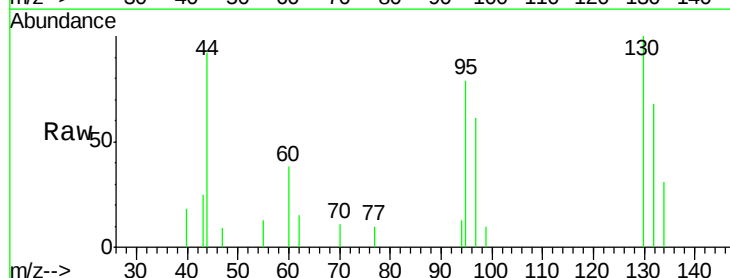
Acq: 12 Apr 2018 14:50

Tgt Ion:130 Resp: 1061

Ion Ratio Lower Upper

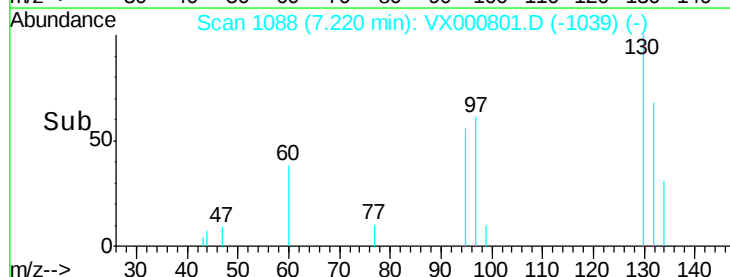
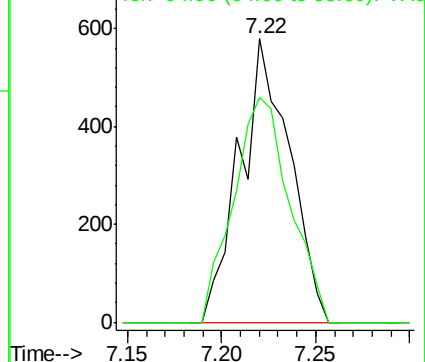
130 100

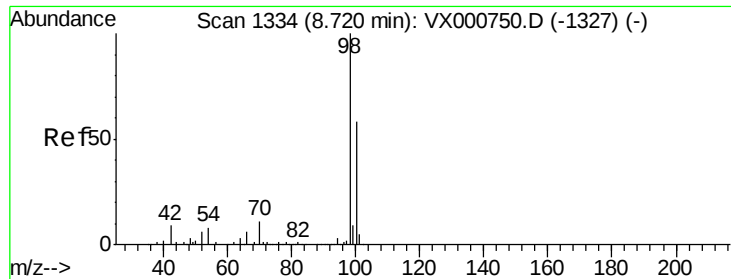
95 79.4 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

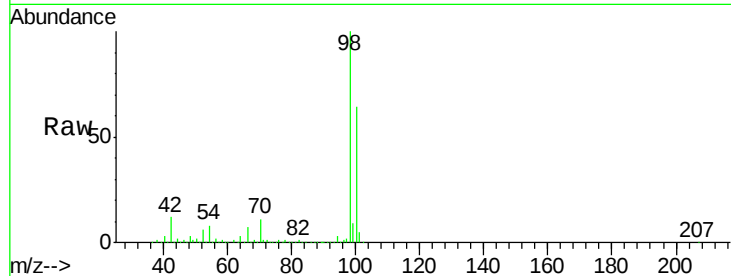
MW-16-040218DL

Tgt Ion: 98 Resp: 498020

Ion Ratio Lower Upper

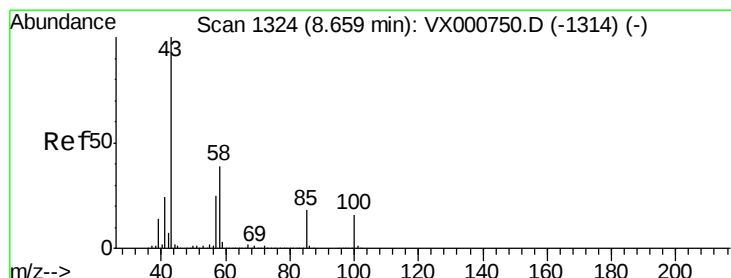
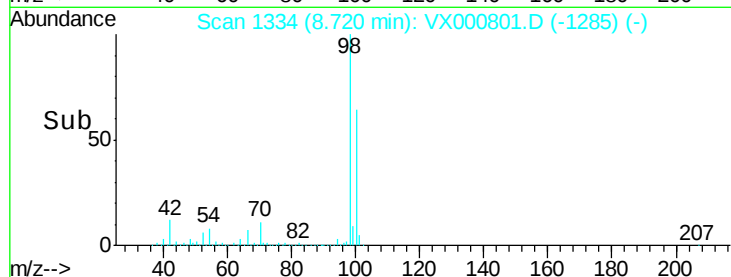
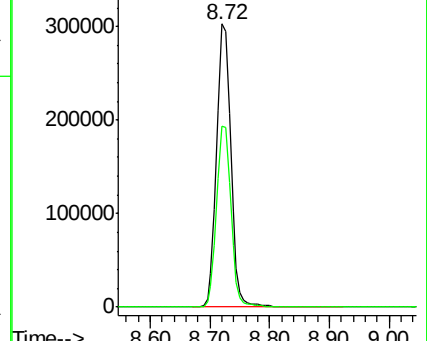
98 100

100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.07 min

Lab File: VX000801.D

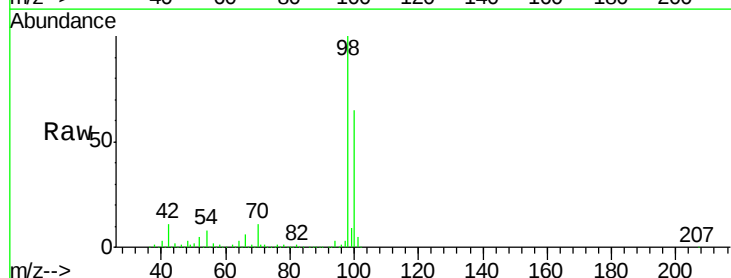
Acq: 12 Apr 2018 14:50

Tgt Ion: 43 Resp: 2170

Ion Ratio Lower Upper

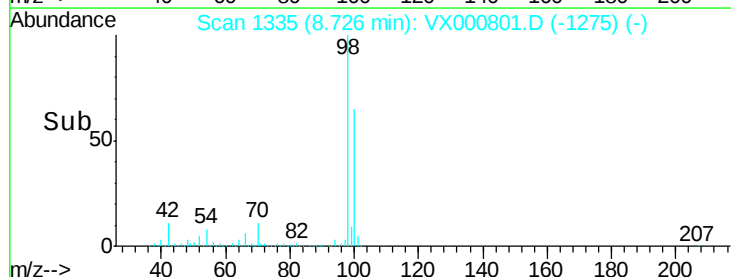
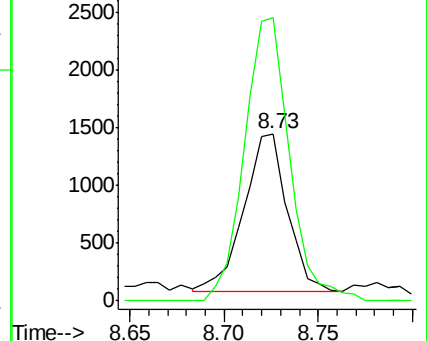
43 100

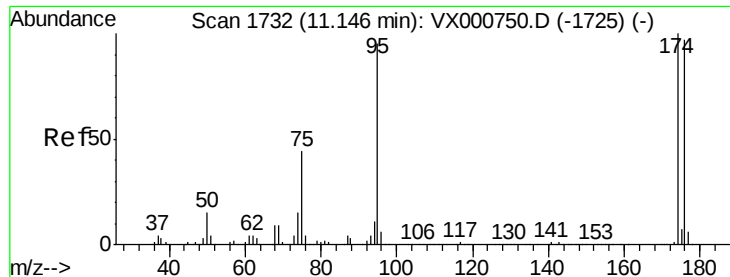
58 187.7 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.07 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-16-040218DL

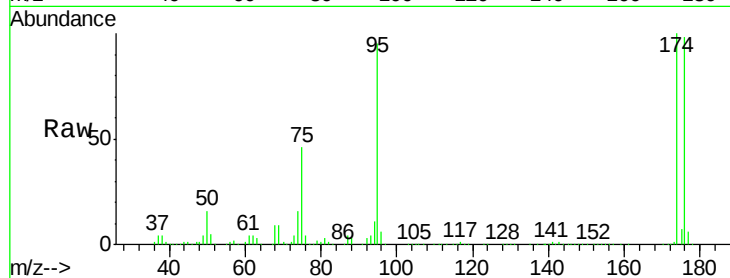
Tgt Ion: 95 Resp: 187204

Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

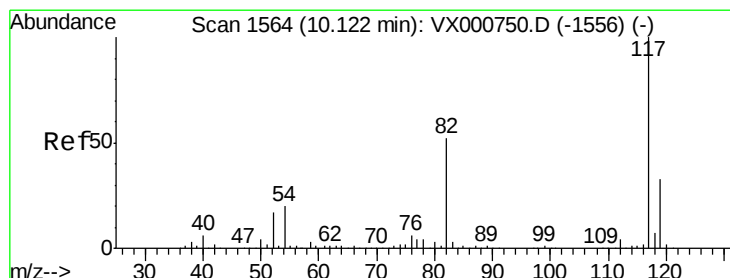
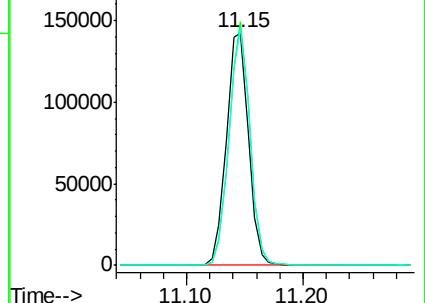
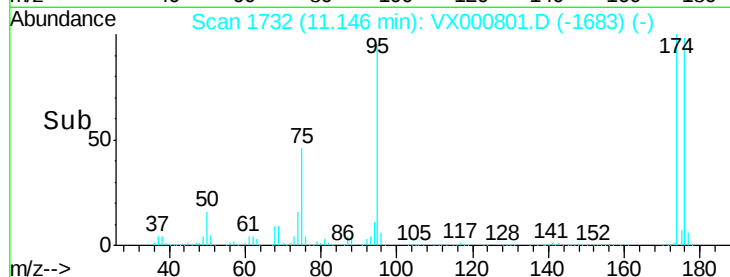
176 97.0 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000801.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000801.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000801.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

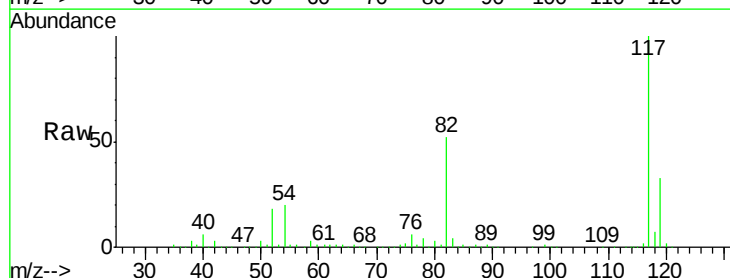
Tgt Ion: 117 Resp: 321934

Ion Ratio Lower Upper

117 100

82 51.9 41.9 62.9

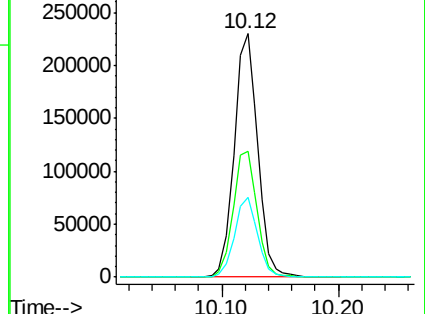
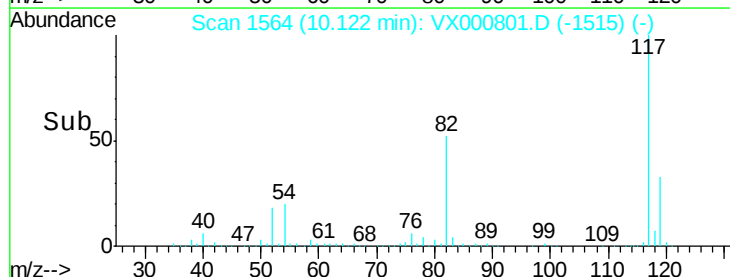
119 32.8 26.0 39.0

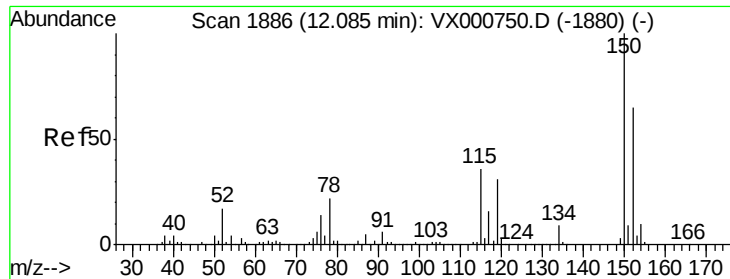


Abundance Ion 116.90 (116.60 to 117.60): VX000801.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000801.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000801.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000801.D

Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-16-040218DL

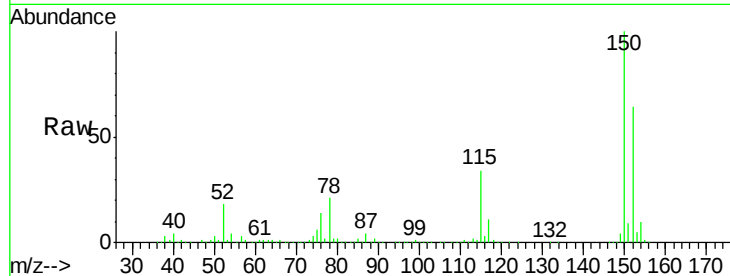
Tgt Ion:152 Resp: 203645

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

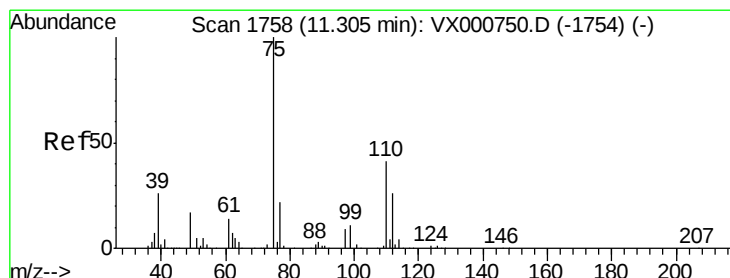
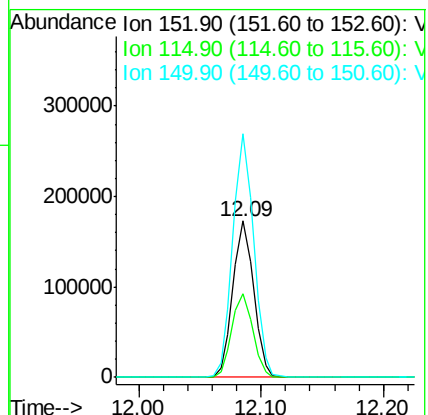
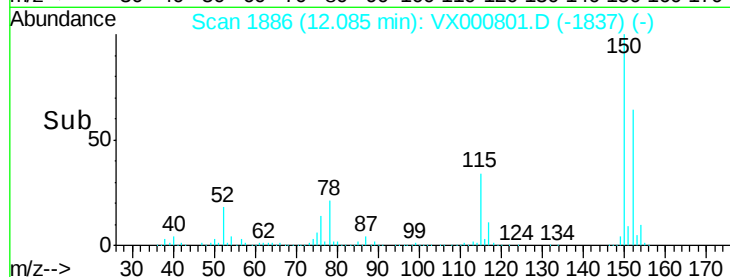
150 156.3 0.0 348.0



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: 26.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000801.D

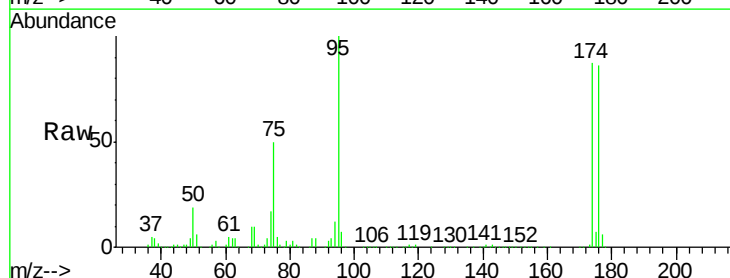
Acq: 12 Apr 2018 14:50

Tgt Ion: 75 Resp: 91854

Ion Ratio Lower Upper

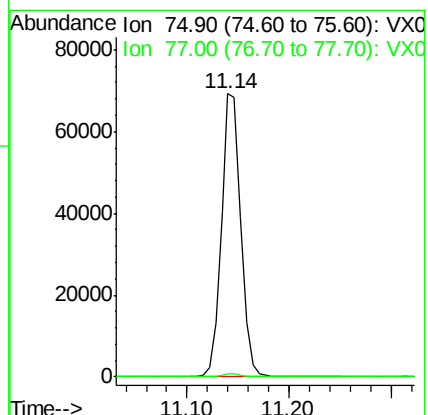
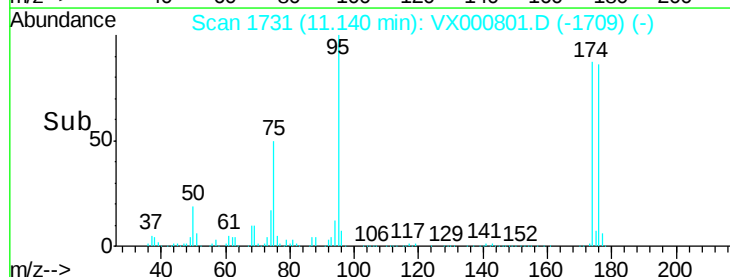
75 100

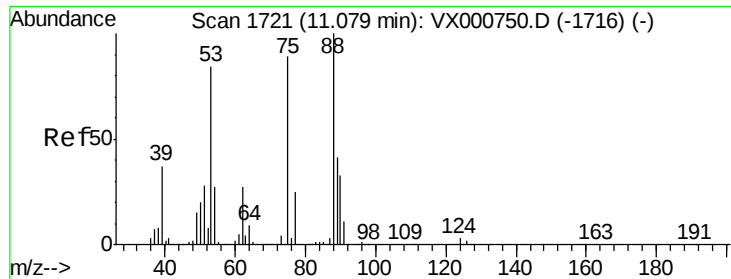
77 1.2 20.5 61.5#



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: 71.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000801.D

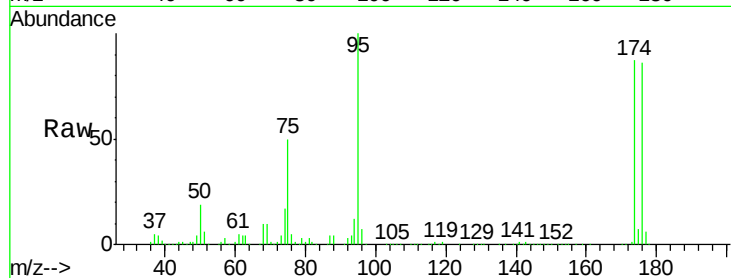
Acq: 12 Apr 2018 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-16-040218DL



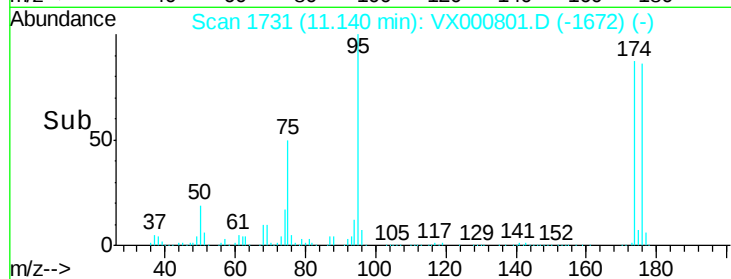
Tgt Ion: 75 Resp: 91854

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



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

