

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000802.D
 Acq On : 12 Apr 2018 15:15
 Operator : JC/MD
 Sample : J2190-10DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116-040218DL

Quant Time: Apr 13 06:54:25 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	282673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	360108	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208543	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	159947	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
35) Dibromofluoromethane	5.51	113	129975	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
50) Toluene-d8	8.73	98	499901	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.15	95	189310	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	

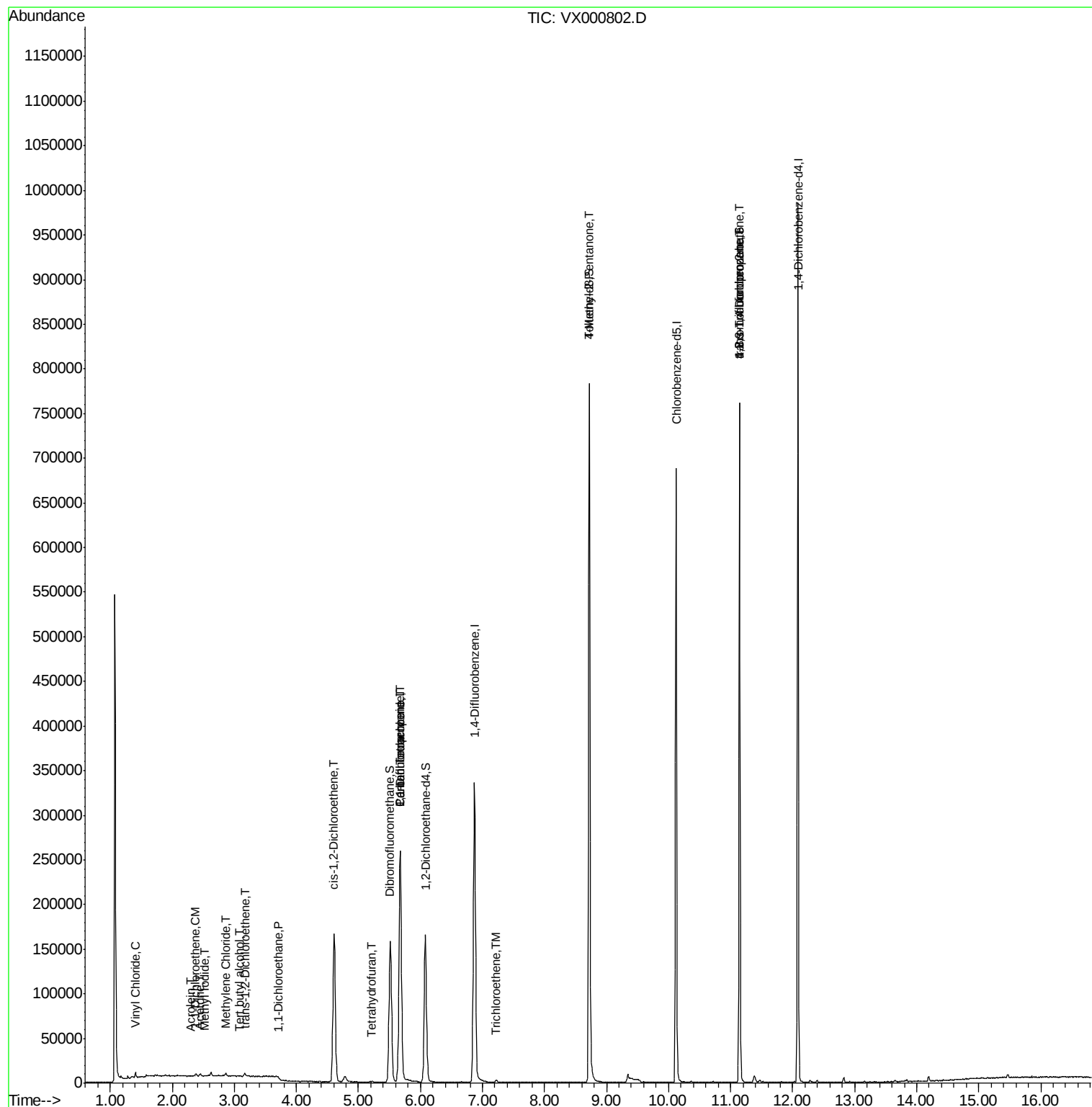
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	3696	1.20	ug/l	96
5) Bromomethane	1.65	94	382	Below	Cal	88
10) Methyl Iodide	2.51	142	315	8.35	ug/l #	68
11) Tert butyl alcohol	3.08	59	139	0.22	ug/l #	1
12) 1,1-Dichloroethene	2.38	96	951	0.37	ug/l #	85
13) Acrolein	2.29	56	63	0.21	ug/l #	13
16) Acetone	2.45	43	2480	2.02	ug/l	95
20) Methylene Chloride	2.86	84	1186	0.41	ug/l #	92
21) trans-1,2-Dichloroethene	3.17	96	1225	0.43	ug/l	89
24) 1,1-Dichloroethane	3.71	63	1068	0.22	ug/l #	83
27) cis-1,2-Dichloroethene	4.60	96	108320	33.36	ug/l	88
29) Tetrahydrofuran	5.20	42	362	0.28	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	17067	4.30	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24170	5.45	ug/l #	14
44) Trichloroethene	7.22	130	922	0.27	ug/l	77
51) 4-Methyl-2-Pentanone	8.72	43	2131	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	11.15	75	92904	25.83	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	92904	71.06	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: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

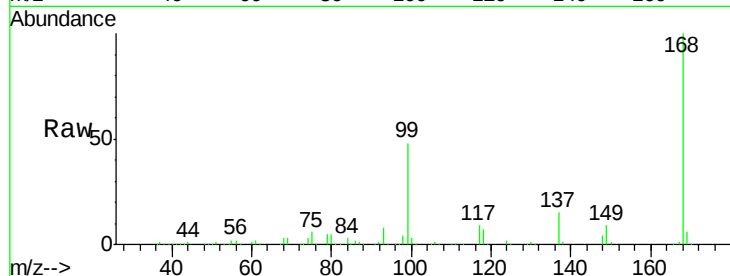
MW-116-040218DL

Tgt Ion:168 Resp: 282673

Ion Ratio Lower Upper

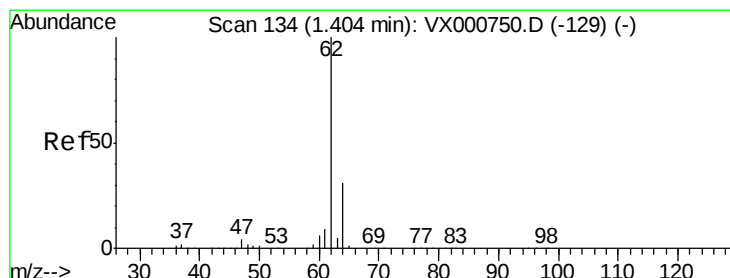
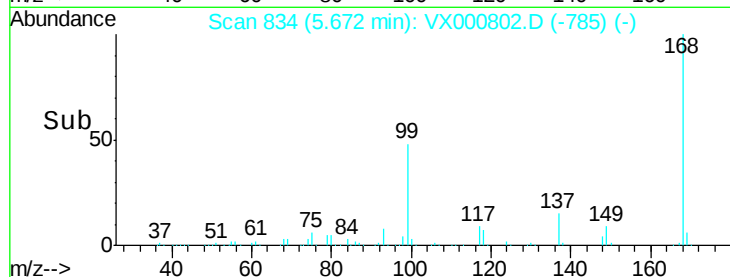
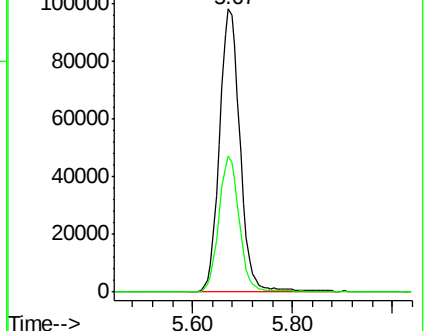
168 100

99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.20 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000802.D

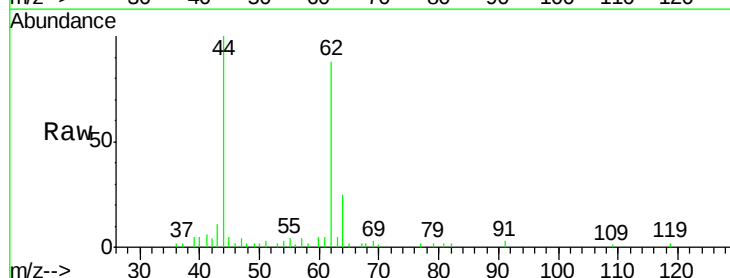
Acq: 12 Apr 2018 15:15

Tgt Ion: 62 Resp: 3696

Ion Ratio Lower Upper

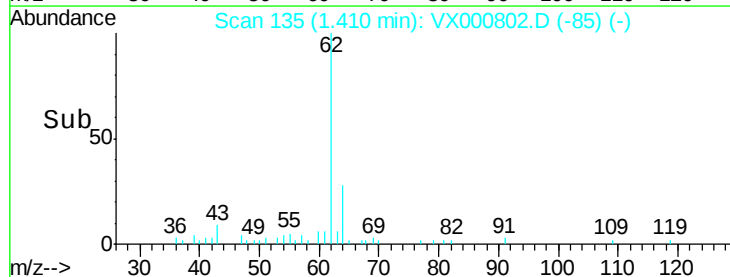
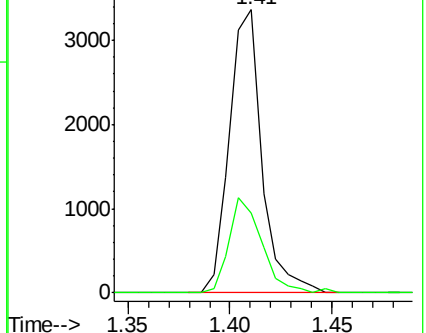
62 100

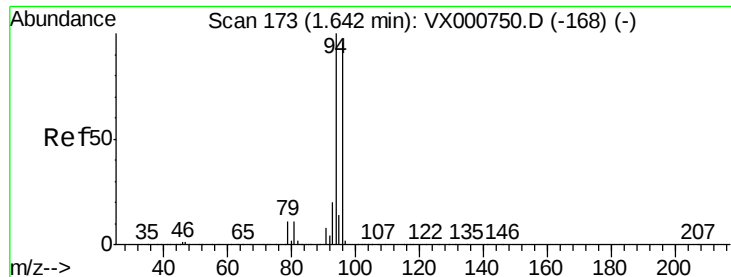
64 28.4 24.6 36.8



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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

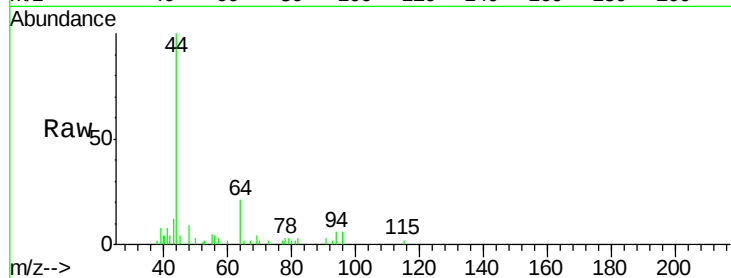
MW-116-040218DL

Tgt Ion: 94 Resp: 382

Ion Ratio Lower Upper

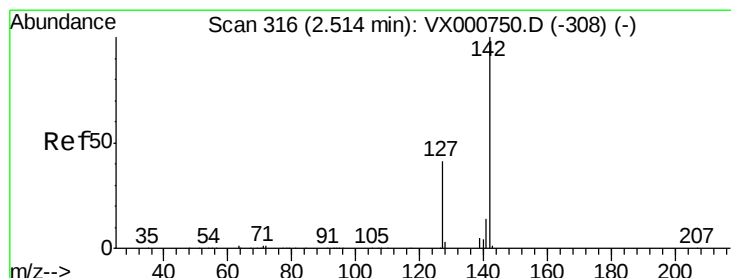
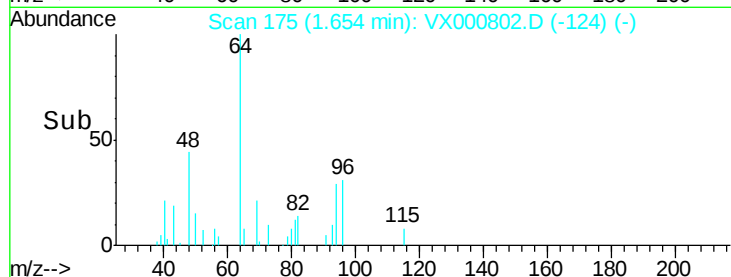
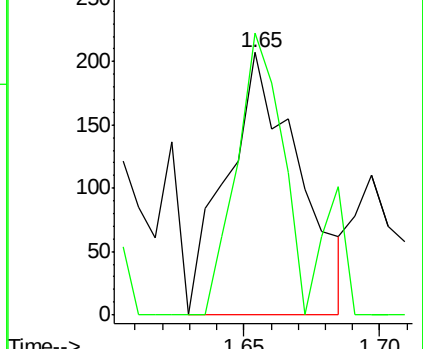
94 100

96 107.7 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: 8.35 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

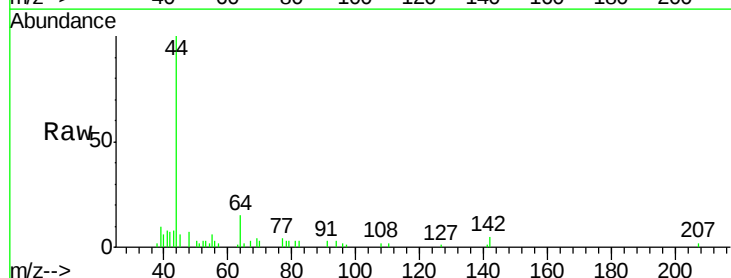
Tgt Ion:142 Resp: 315

Ion Ratio Lower Upper

142 100

127 14.3 32.6 49.0#

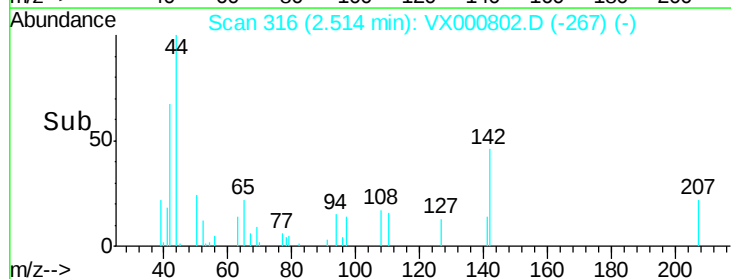
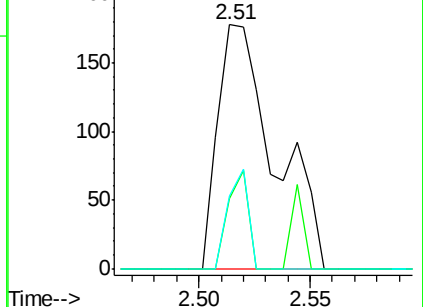
141 14.6 11.5 17.3

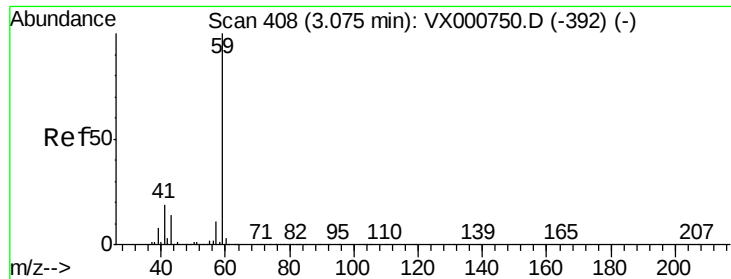


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

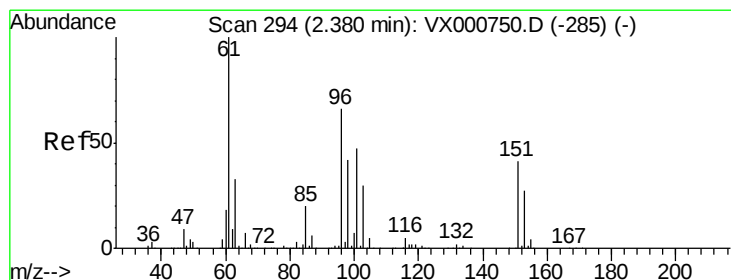
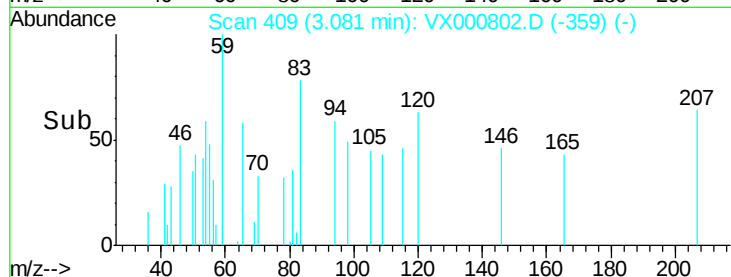
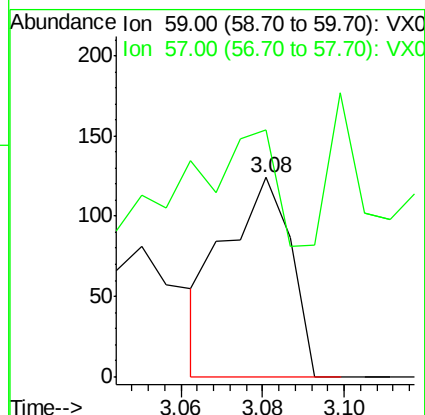
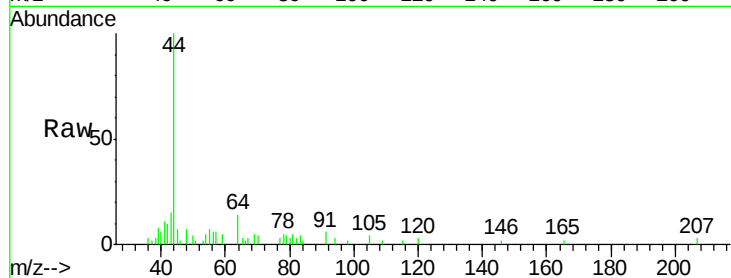
MW-116-040218DL

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

59 100

57 87.8 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 0.37 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

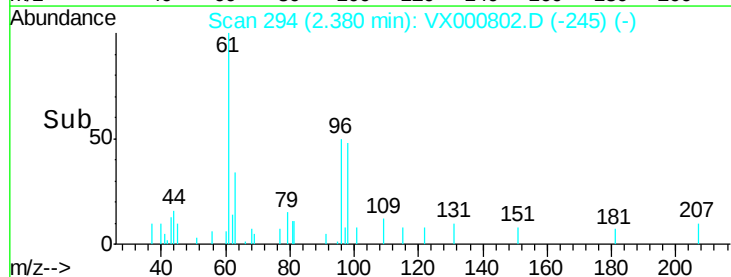
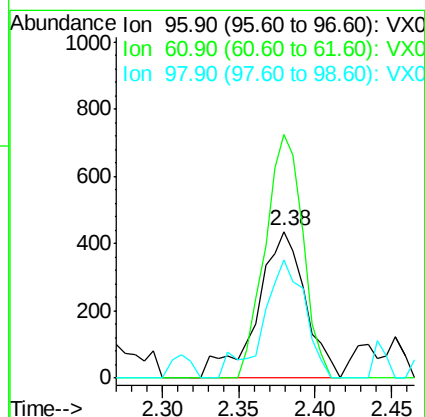
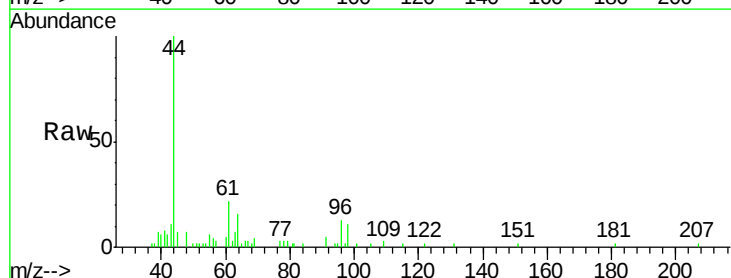
Tgt Ion: 96 Resp: 951

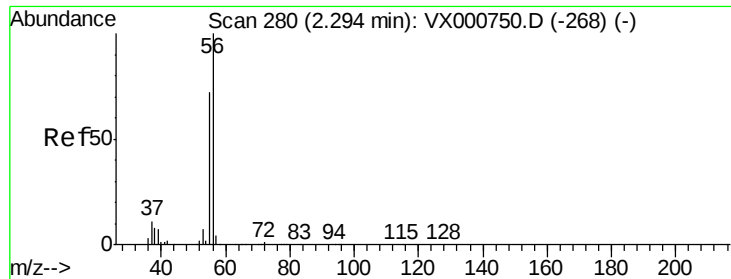
Ion Ratio Lower Upper

96 100

61 166.1 120.5 180.7

98 80.3 50.9 76.3#





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

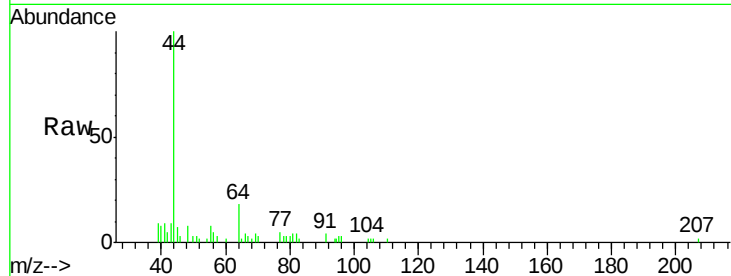
MW-116-040218DL

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

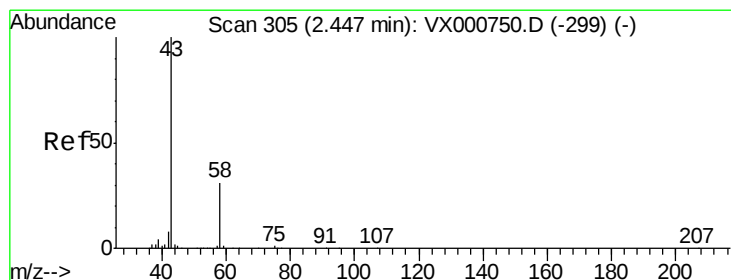
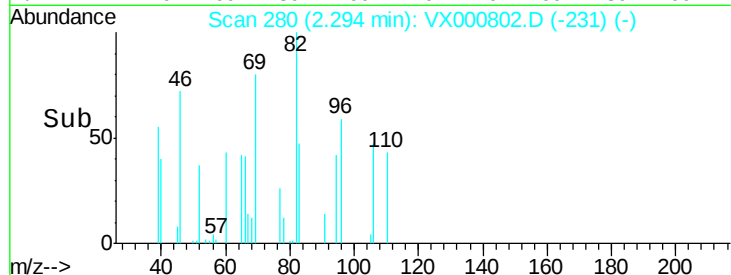
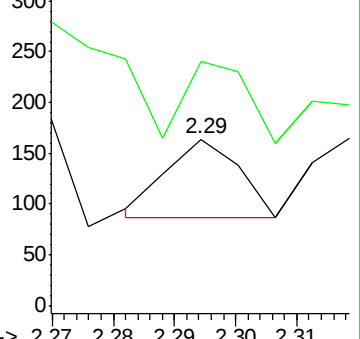
56 100

55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.02 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000802.D

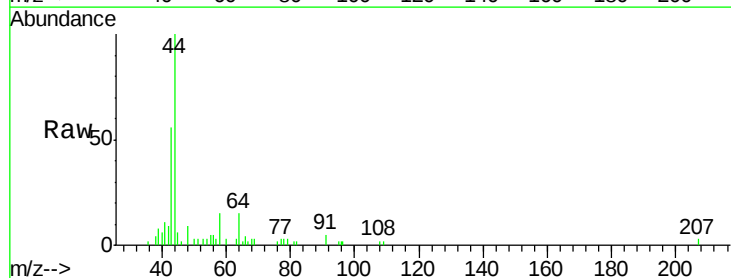
Acq: 12 Apr 2018 15:15

Tgt Ion: 43 Resp: 2480

Ion Ratio Lower Upper

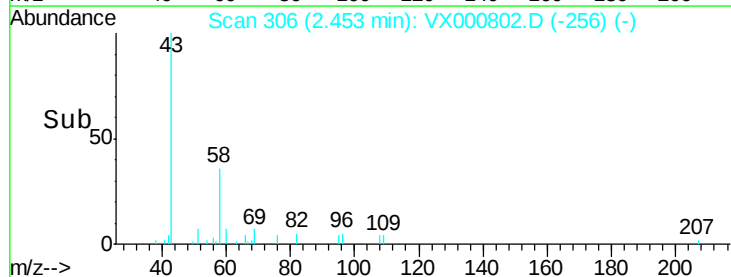
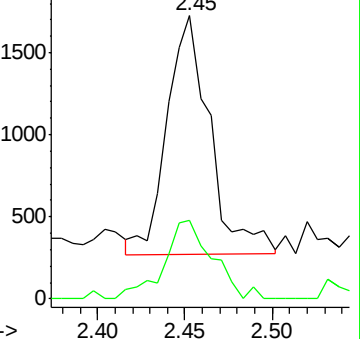
43 100

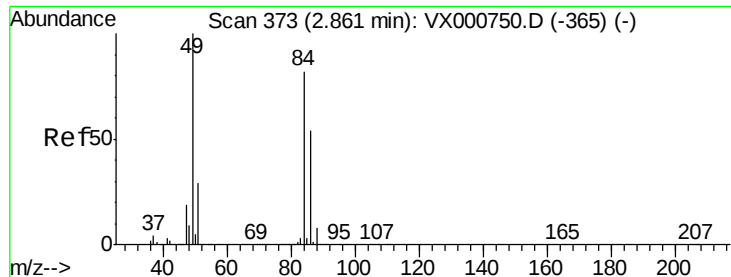
58 33.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.41 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

MW-116-040218DL

Tgt Ion: 84 Resp: 1186

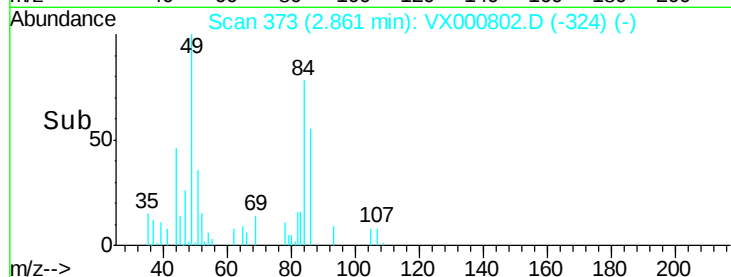
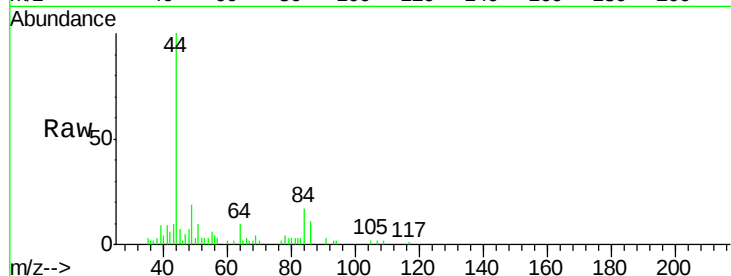
Ion Ratio Lower Upper

84 100

49 115.8 98.1 147.1

51 48.5 28.9 43.3#

86 63.6 52.7 79.1

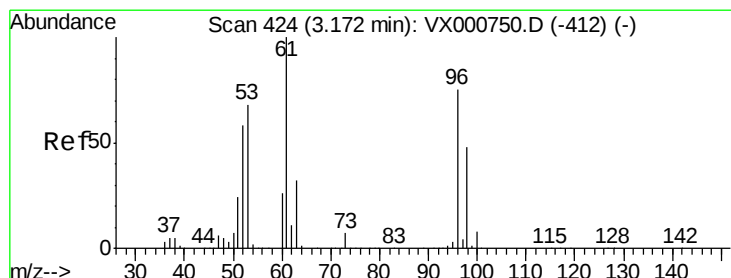
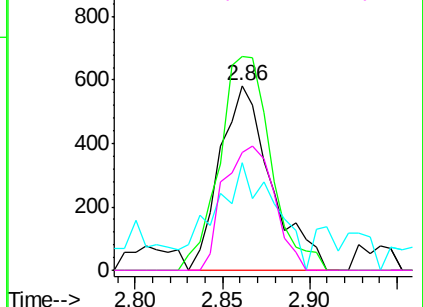


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.43 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

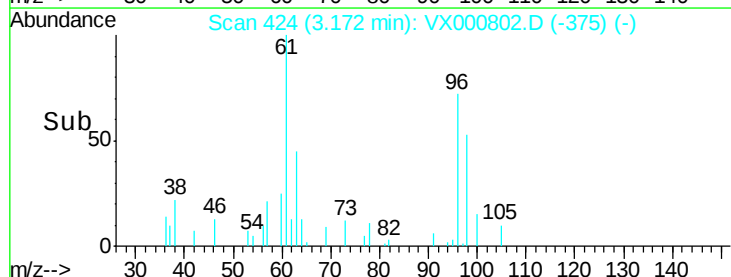
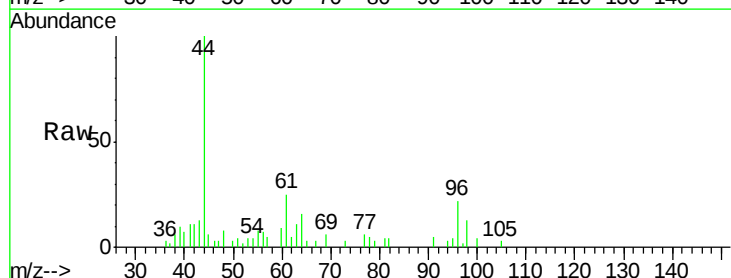
Tgt Ion: 96 Resp: 1225

Ion Ratio Lower Upper

96 100

61 115.2 106.2 159.2

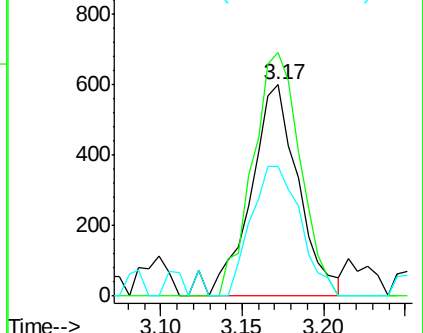
98 61.0 51.2 76.8

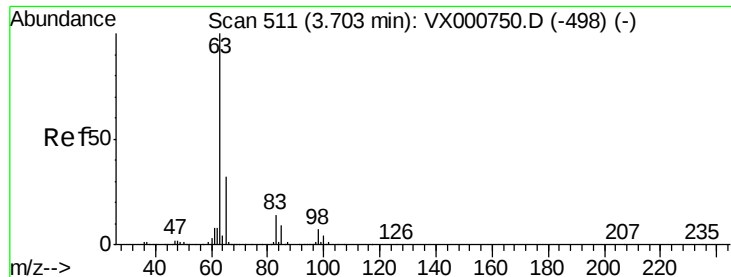


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.22 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

MW-116-040218DL

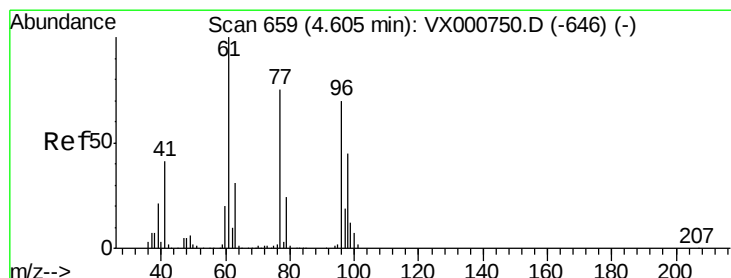
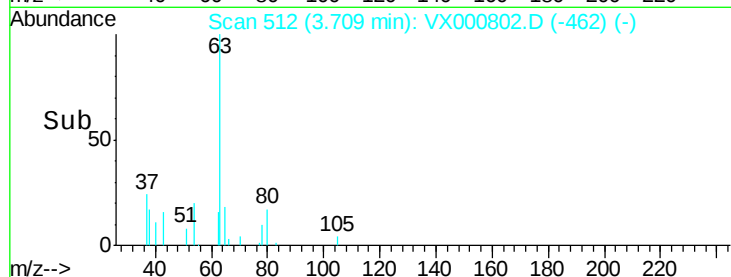
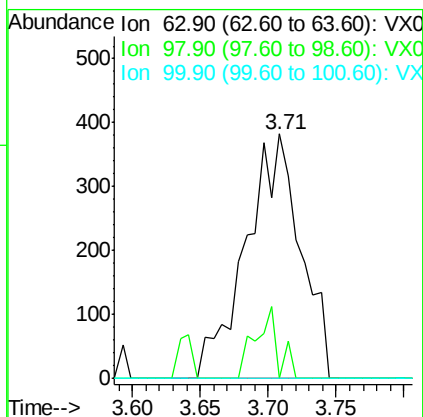
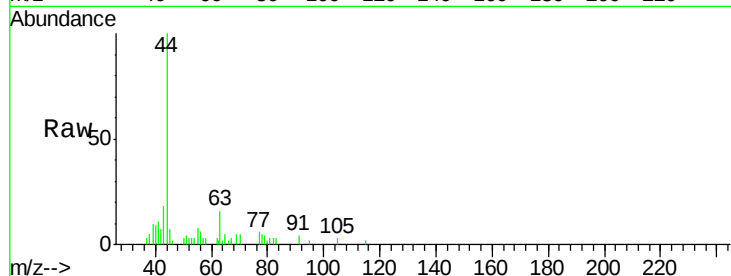
Tgt Ion: 63 Resp: 1068

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.9#

100 0.0 2.1 6.3#



#27

cis-1,2-Dichloroethene

Concen: 33.36 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

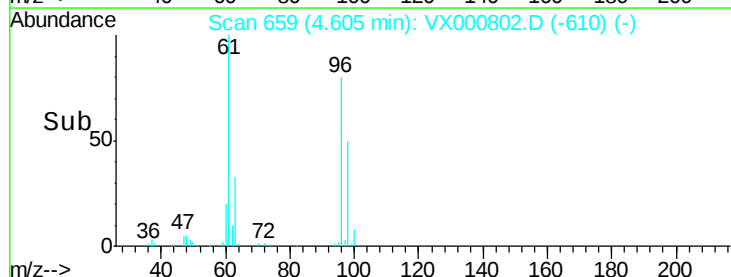
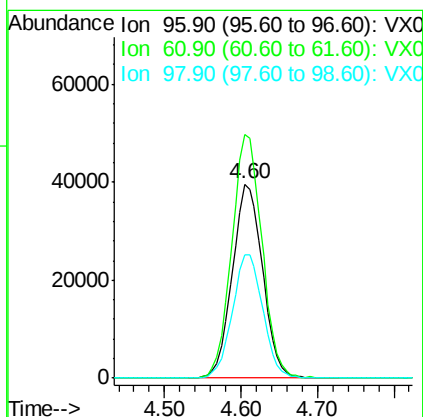
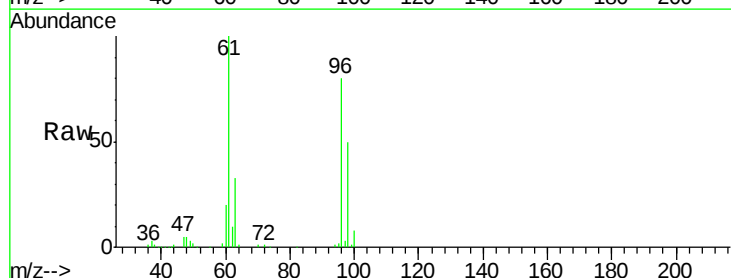
Tgt Ion: 96 Resp: 108320

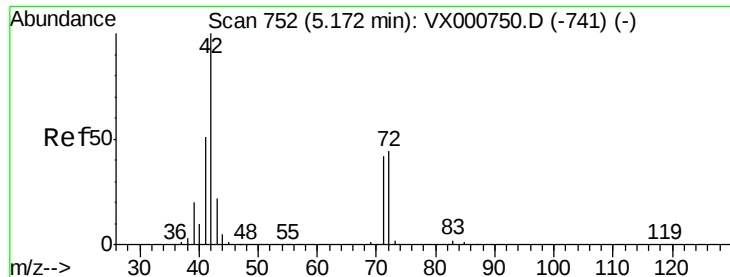
Ion Ratio Lower Upper

96 100

61 125.5 0.0 292.4

98 64.2 0.0 130.2





#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.03 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

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ClientSampleId :

MW-116-040218DL

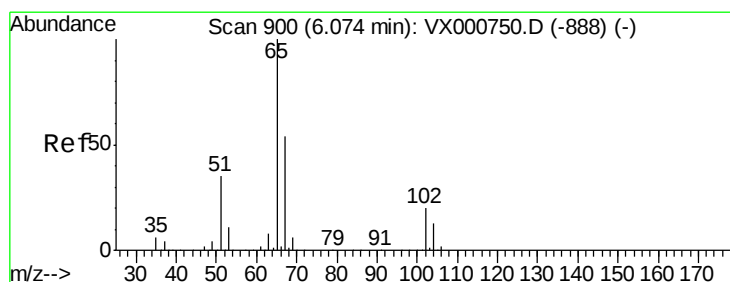
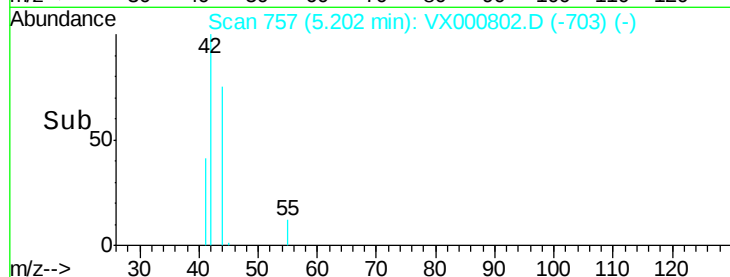
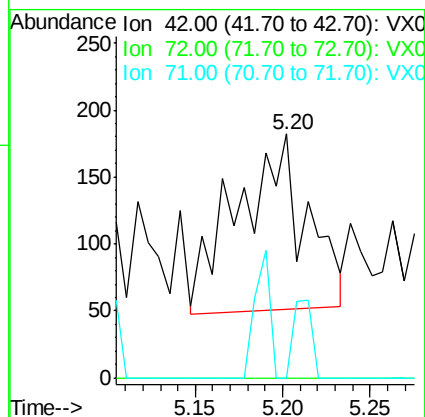
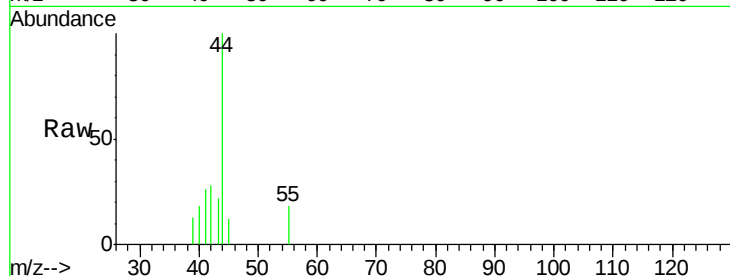
Tgt Ion: 42 Resp: 362

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 11.6 32.8 49.2#



#33

1,2-Dichloroethane-d4

Concen: 44.88 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000802.D

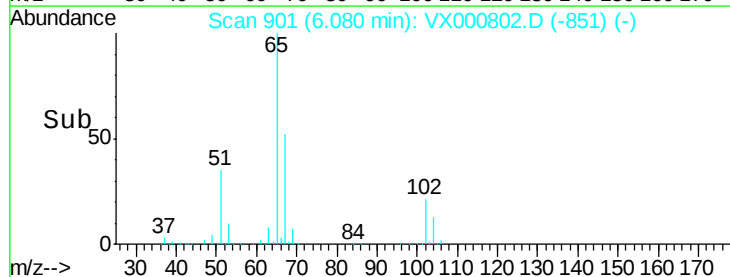
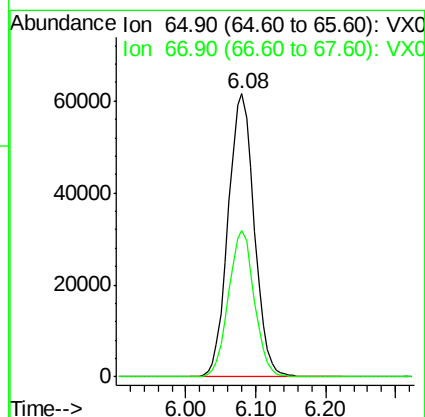
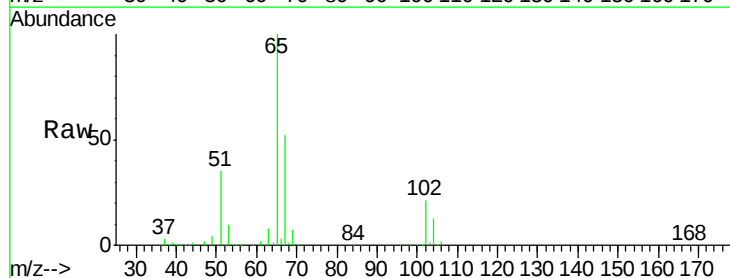
Acq: 12 Apr 2018 15:15

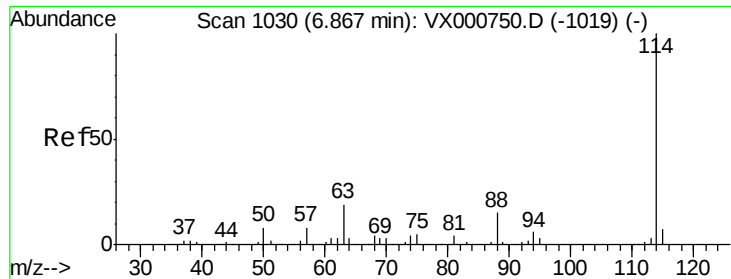
Tgt Ion: 65 Resp: 159947

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

MW-116-040218DL

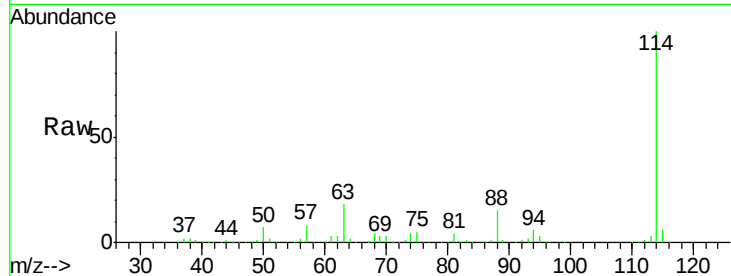
Tgt Ion:114 Resp: 360108

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.2 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

200000

150000

100000

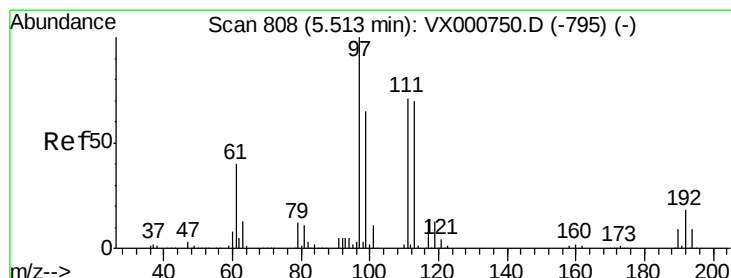
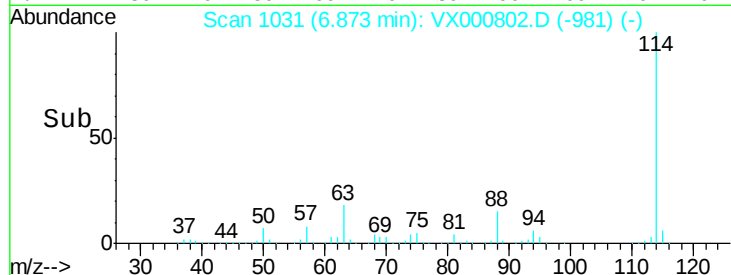
50000

0

6.87

6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.85 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

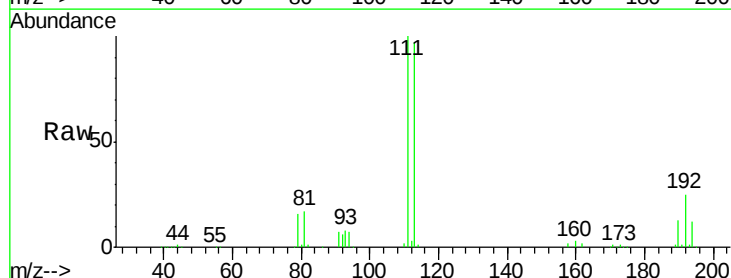
Tgt Ion:113 Resp: 129975

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

192 26.3 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

60000

50000

40000

30000

20000

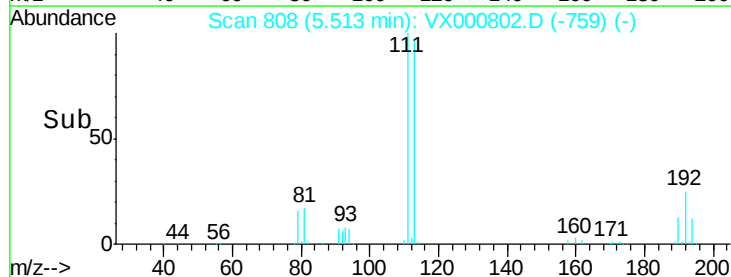
10000

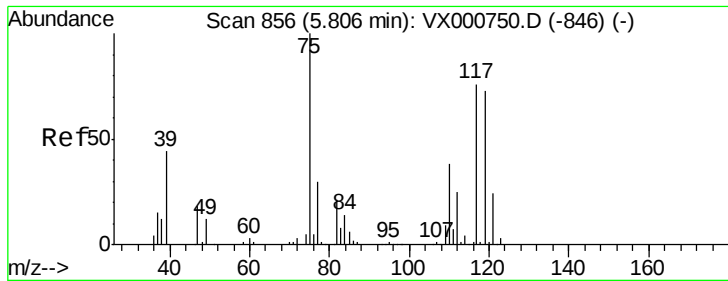
0

5.51

5.40 5.50 5.60

Time-->

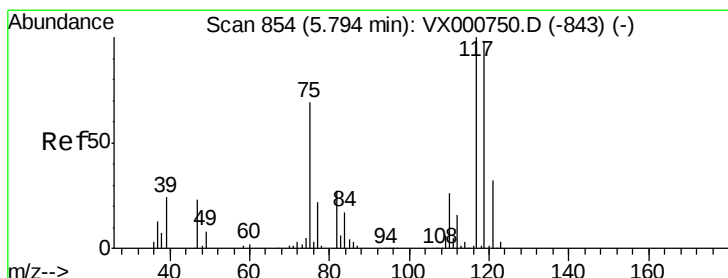
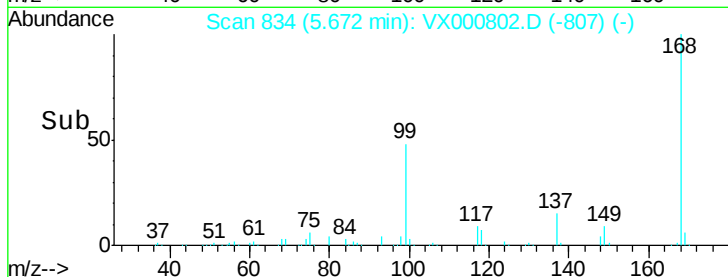
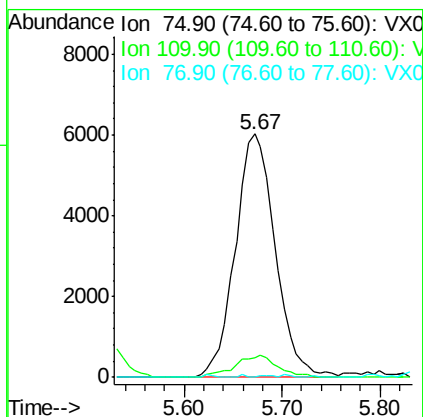
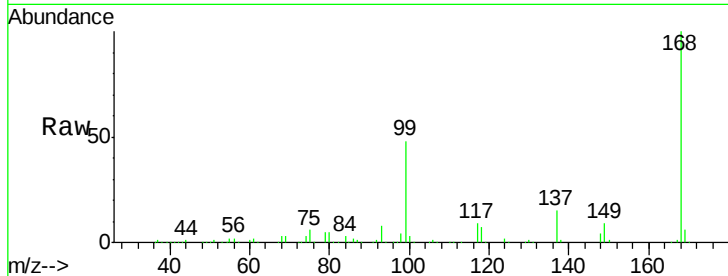




#36
 1,1-Dichloropropene
 Concen: 4.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000802.D
 Acq: 12 Apr 2018 15:15

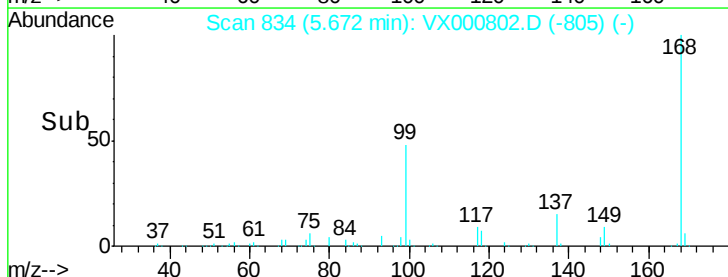
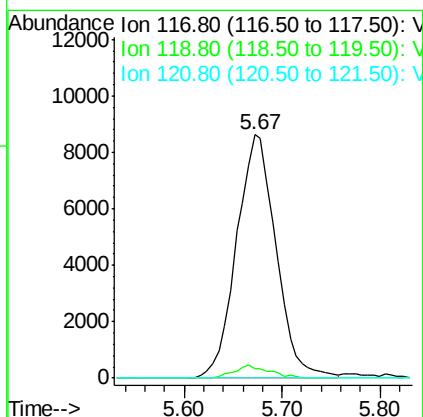
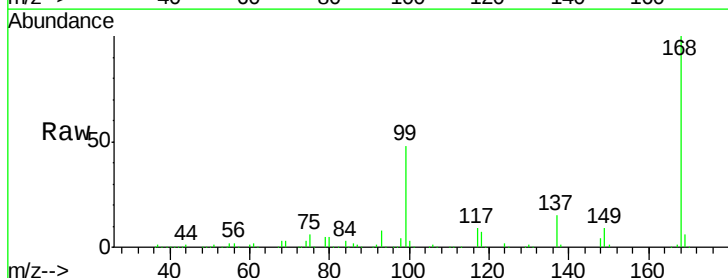
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116-040218DL

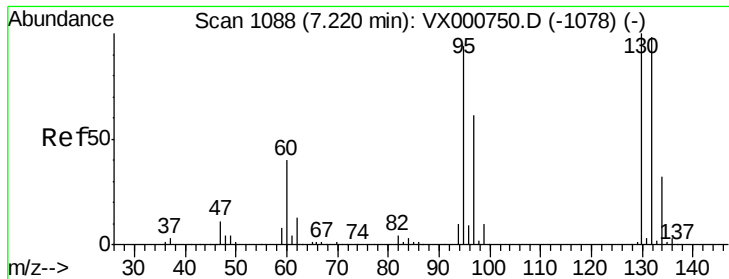
Tgt Ion: 75 Resp: 17067
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.2 57.6#
 77 0.3 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.45 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000802.D
 Acq: 12 Apr 2018 15:15

Tgt Ion: 117 Resp: 24170
 Ion Ratio Lower Upper
 117 100
 119 3.6 78.4 117.6#
 121 0.0 25.4 38.0#





#44

Trichloroethene

Concen: 0.27 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

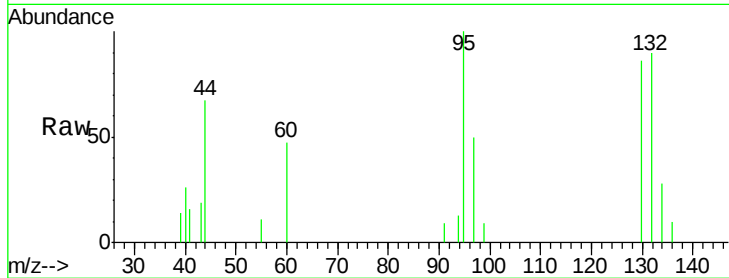
MW-116-040218DL

Tgt Ion:130 Resp: 922

Ion Ratio Lower Upper

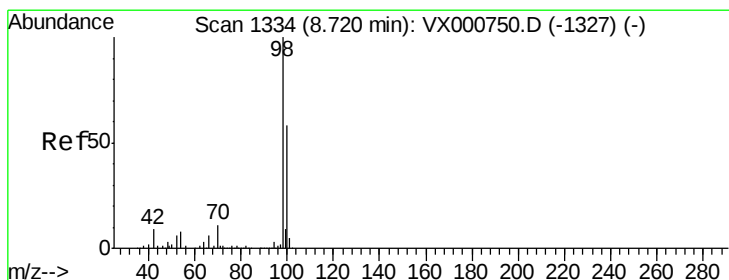
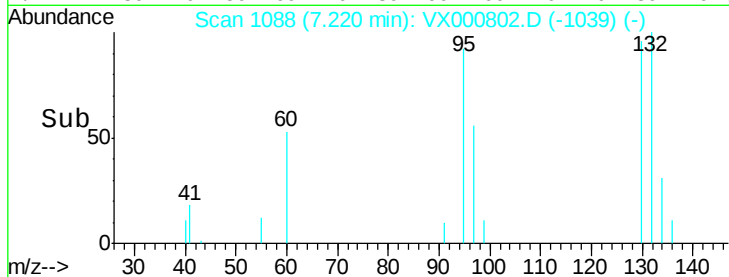
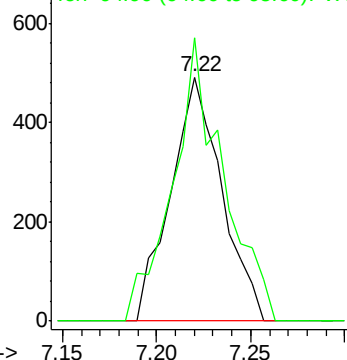
130 100

95 116.1 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: 48.39 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000802.D

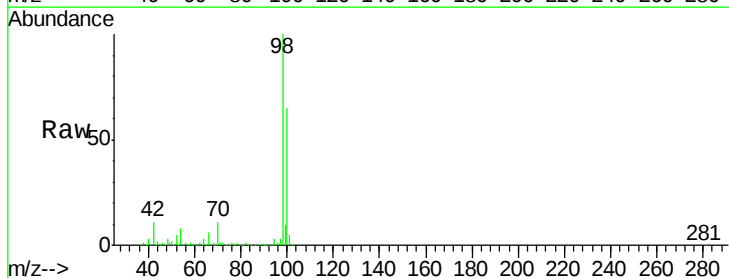
Acq: 12 Apr 2018 15:15

Tgt Ion: 98 Resp: 499901

Ion Ratio Lower Upper

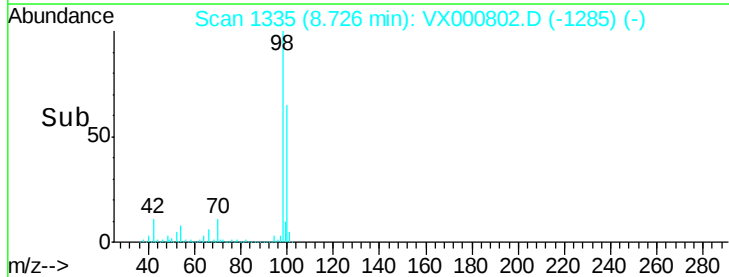
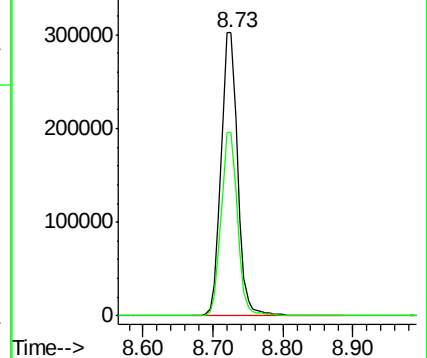
98 100

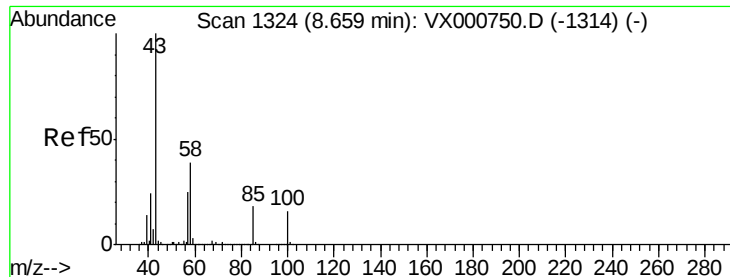
100 64.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

Instrument :

MSVOA_X

ClientSampleId :

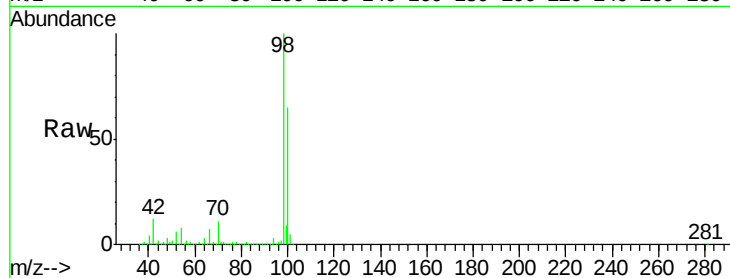
MW-116-040218DL

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

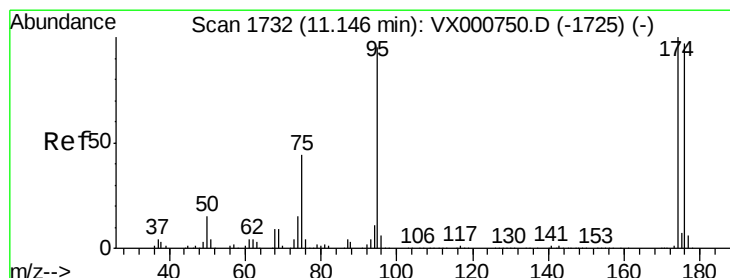
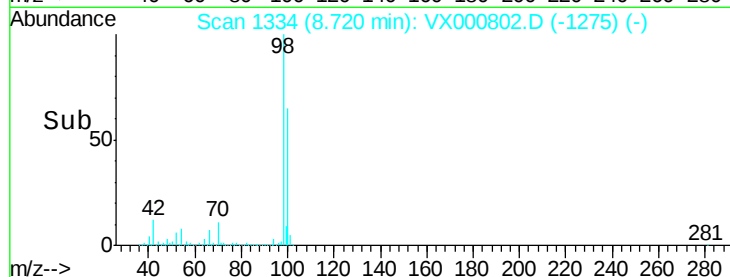
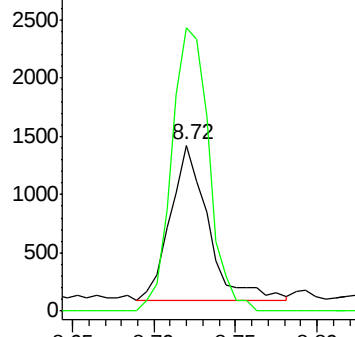
43 100

58 181.8 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: 44.29 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000802.D

Acq: 12 Apr 2018 15:15

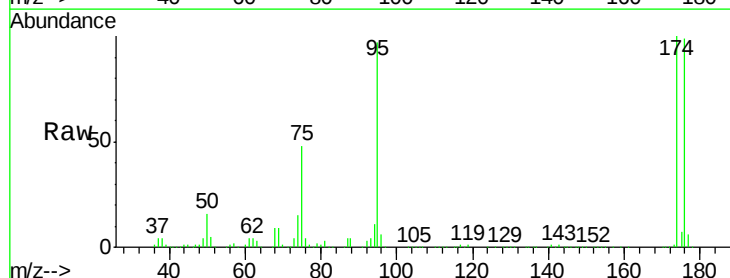
Tgt Ion: 95 Resp: 189310

Ion Ratio Lower Upper

95 100

174 98.5 0.0 198.4

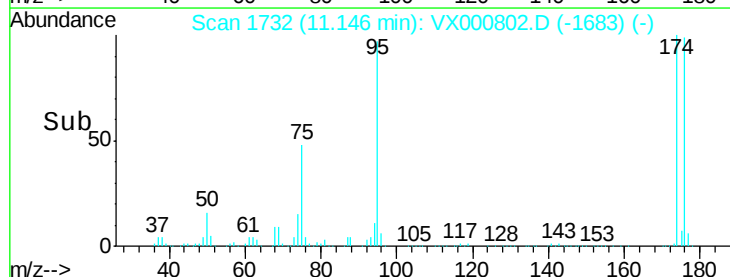
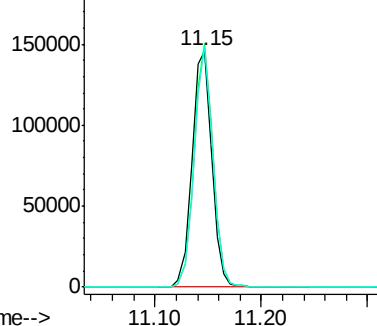
176 96.3 0.0 194.4

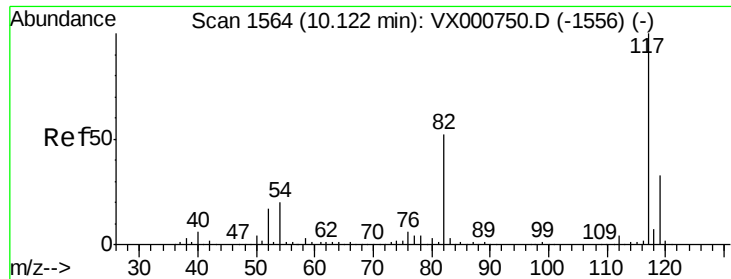


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

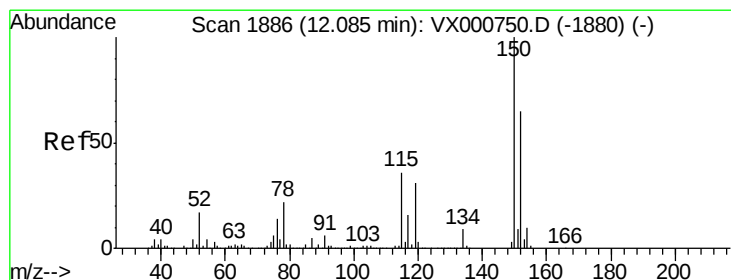
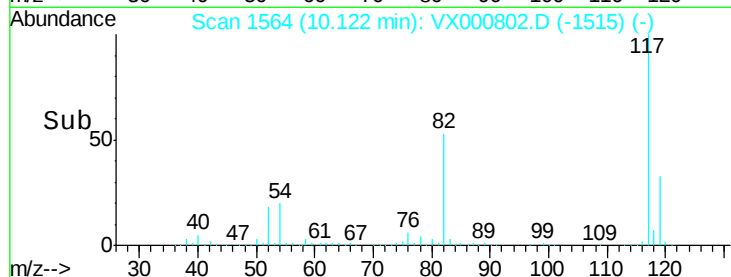
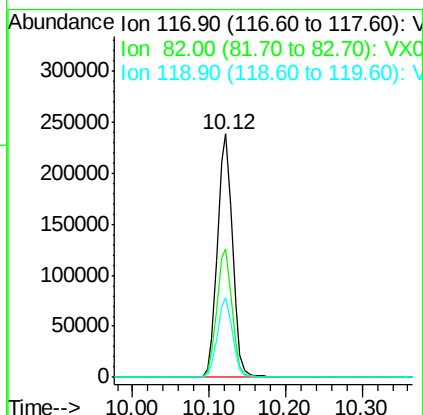
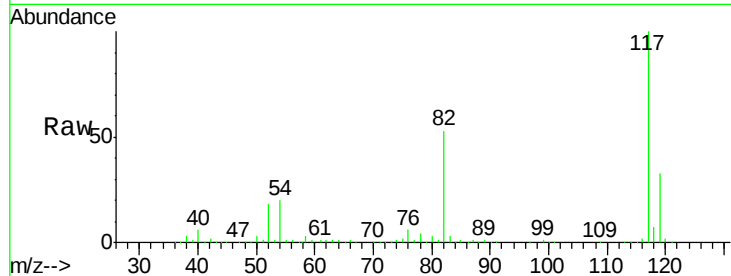




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000802.D
Acq: 12 Apr 2018 15:15

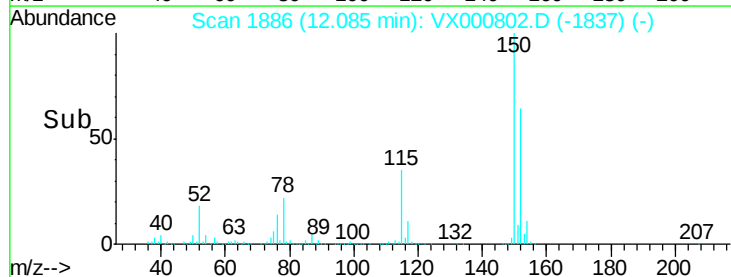
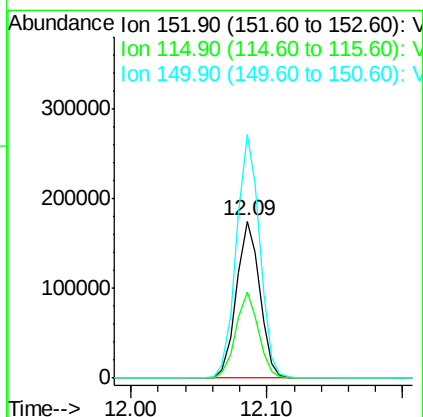
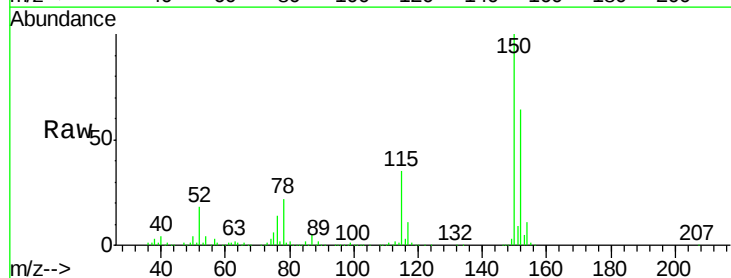
Instrument :
MSVOA_X
ClientSampleId :
MW-116-040218DL

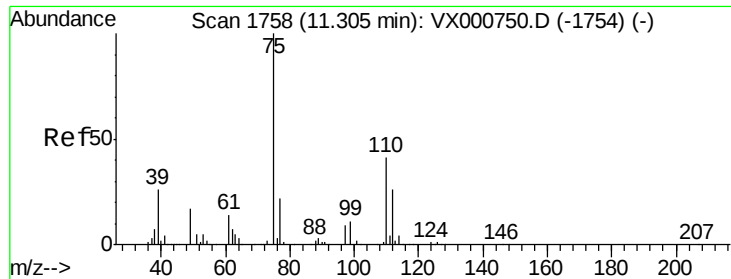
Tgt Ion:117 Resp: 327309
Ion Ratio Lower Upper
117 100
82 52.7 41.9 62.9
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000802.D
Acq: 12 Apr 2018 15:15

Tgt Ion:152 Resp: 208543
Ion Ratio Lower Upper
152 100
115 53.1 37.9 113.7
150 154.8 0.0 348.0

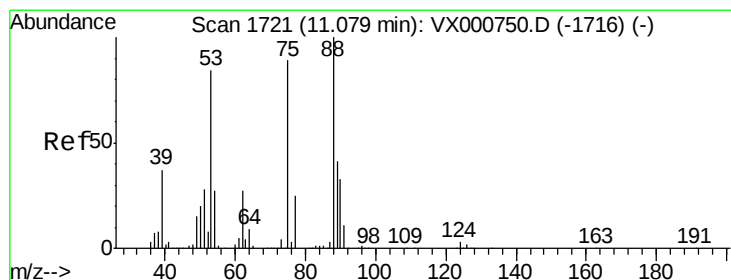
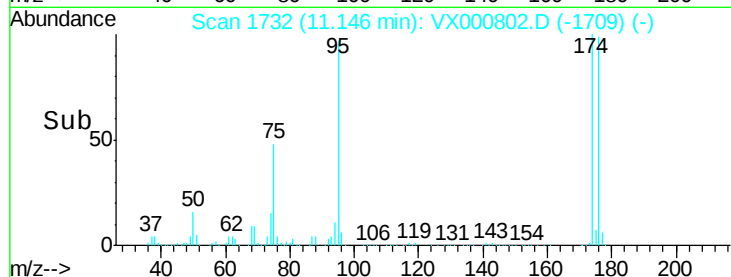
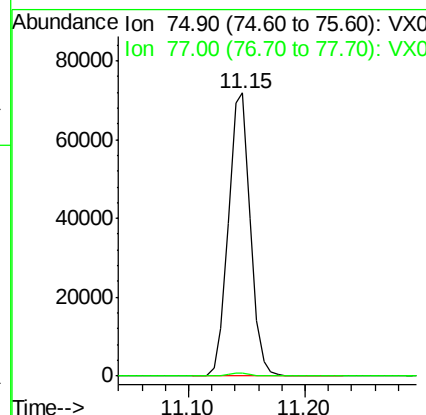
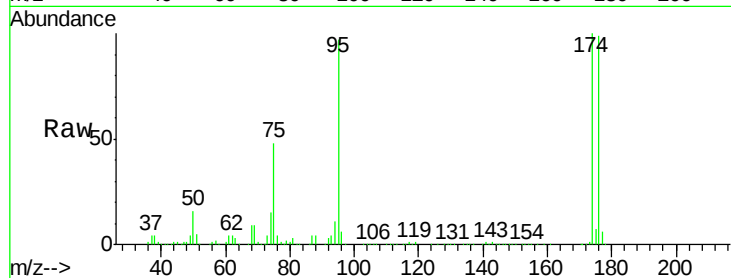




#76
 1,2,3-Trichloropropane
 Concen: 25.83 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000802.D
 Acq: 12 Apr 2018 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-116-040218DL

Tgt Ion: 75 Resp: 92904
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.06 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX000802.D
 Acq: 12 Apr 2018 15:15

Tgt Ion: 75 Resp: 92904
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

