

Data File : VX000902.D

Acq On : 15 Apr 2018 17:27

Operator : JC/MD

Sample : J2313-01DL 40X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 15 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

Quant Time: Apr 16 07:39:39 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	282395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165942	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.51	113	133970	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
50) Toluene-d8	8.72	98	528189	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.14	95	203975	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	

Target Compounds

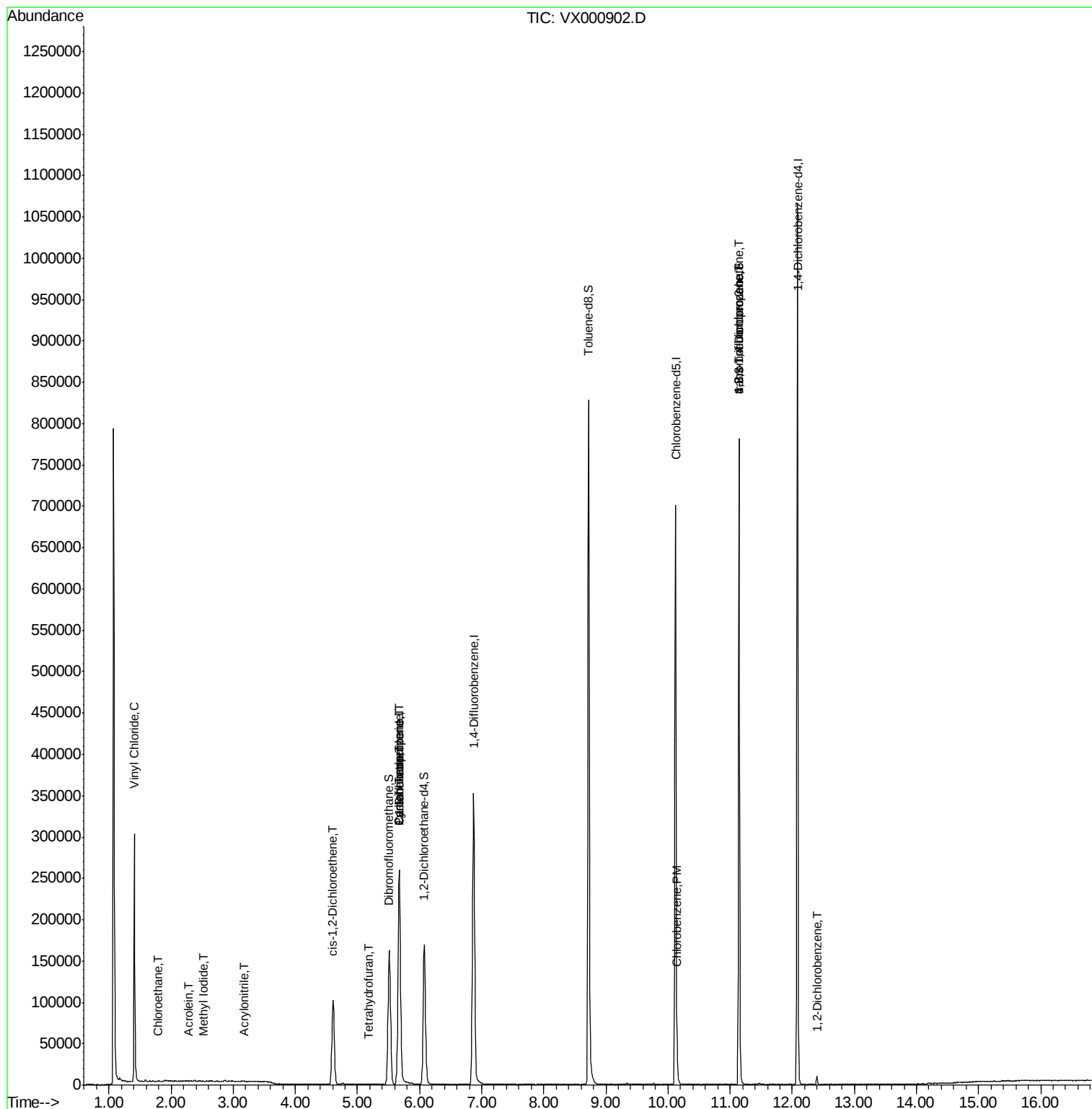
						Qvalue
4) Vinyl Chloride	1.41	62	200599	65.25	ug/l	97
5) Bromomethane	1.66	94	136	Below	Cal	86
6) Chloroethane	1.79	64	2003	1.07	ug/l #	73
10) Methyl Iodide	2.53	142	22	8.24	ug/l #	42
13) Acrolein	2.29	56	258	0.84	ug/l #	50
15) Acrylonitrile	3.17	53	296	0.22	ug/l #	32
27) cis-1,2-Dichloroethene	4.60	96	66300	20.44	ug/l	89
29) Tetrahydrofuran	5.18	42	882	0.69	ug/l #	51
31) Cyclohexane	5.67	56	4912	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17114	4.06	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23646	5.01	ug/l #	15
65) Chlorobenzene	10.15	112	10635	1.20	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	99190	24.82	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99190	68.28	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	3562	0.46	ug/l	97

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

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Instrument :
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Quant Time: Apr 16 07:39:39 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

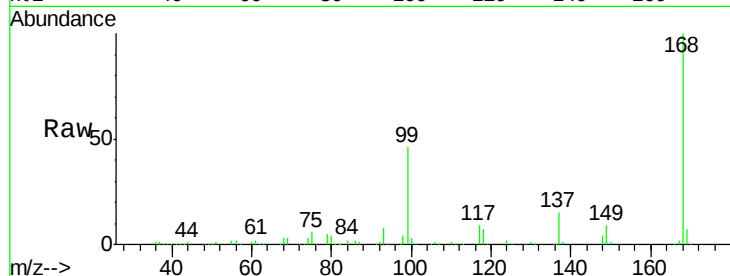
SS032MW008-180410DL

Tgt Ion: 168 Resp: 282395

Ion Ratio Lower Upper

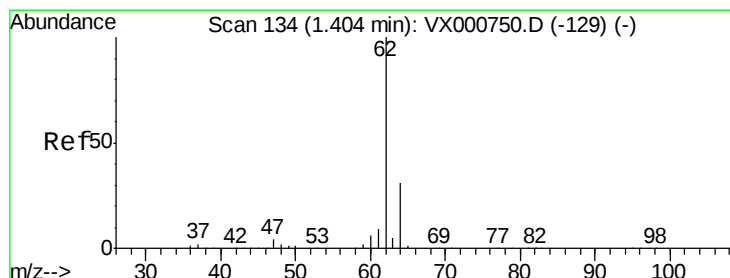
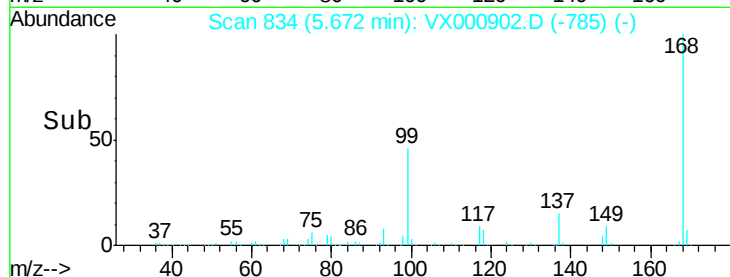
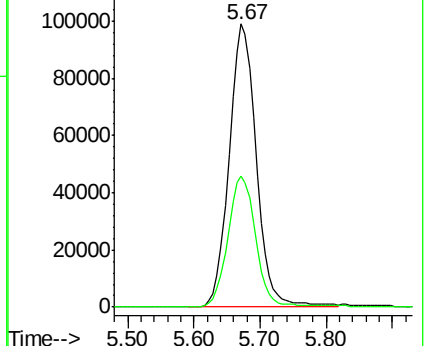
168 100

99 46.3 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: 65.25 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000902.D

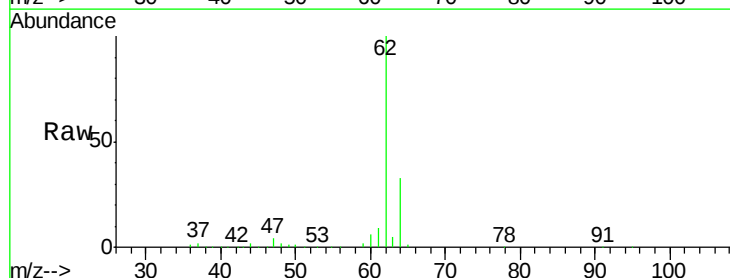
Acq: 15 Apr 2018 17:27

Tgt Ion: 62 Resp: 200599

Ion Ratio Lower Upper

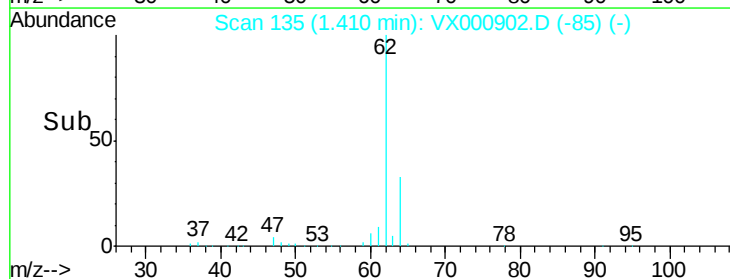
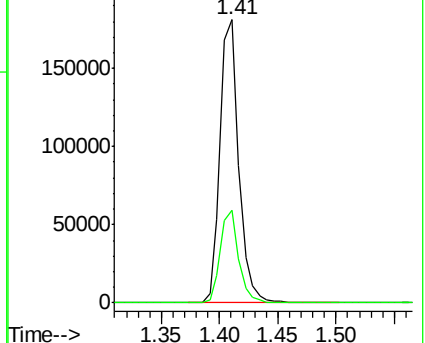
62 100

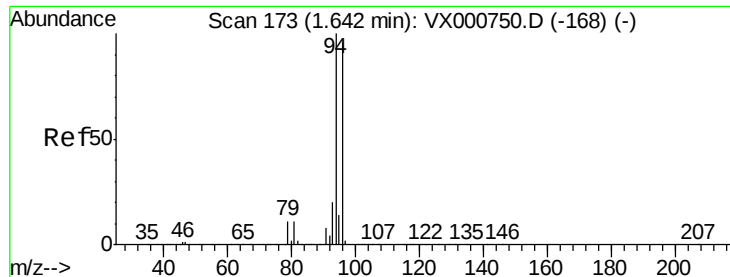
64 32.5 24.6 36.8



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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

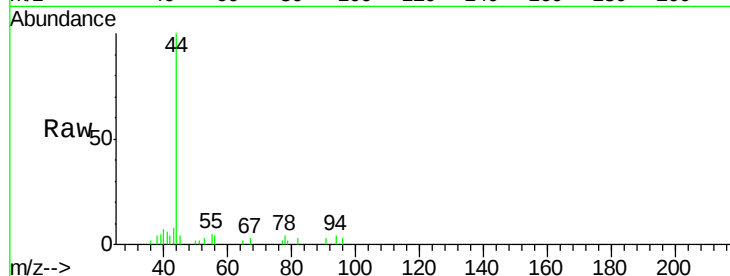
SS032MW008-180410DL

Tgt Ion: 94 Resp: 136

Ion Ratio Lower Upper

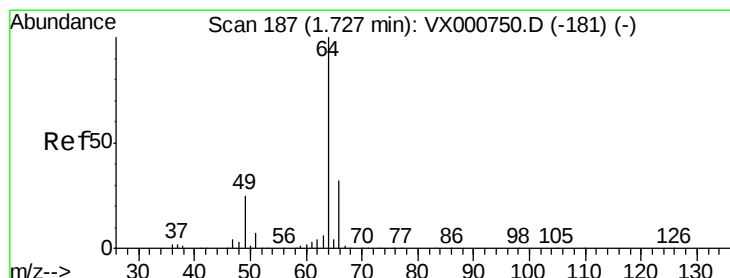
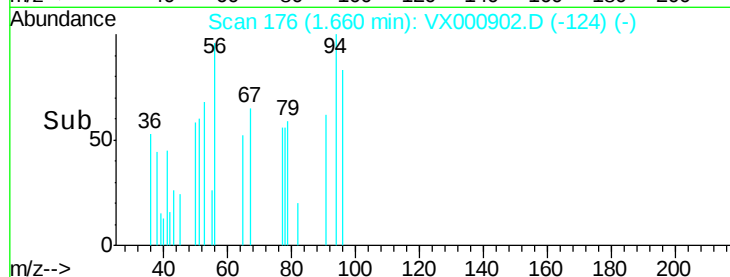
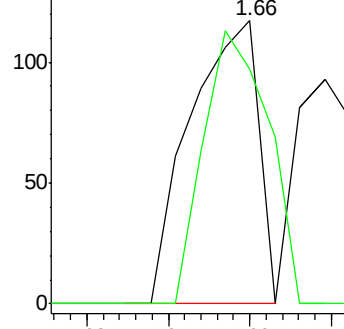
94 100

96 82.9 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.07 ug/l

RT: 1.79 min Scan# 198

Delta R.T. 0.07 min

Lab File: VX000902.D

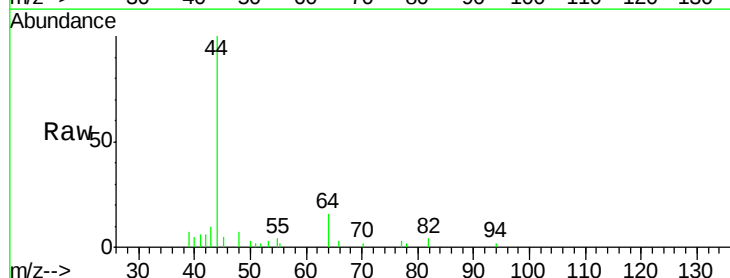
Acq: 15 Apr 2018 17:27

Tgt Ion: 64 Resp: 2003

Ion Ratio Lower Upper

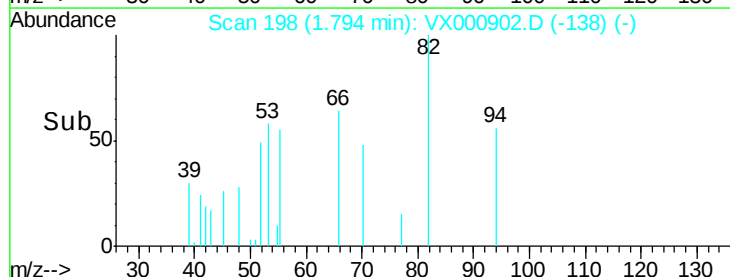
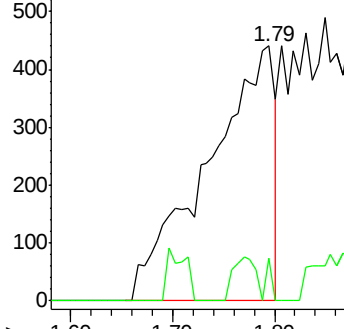
64 100

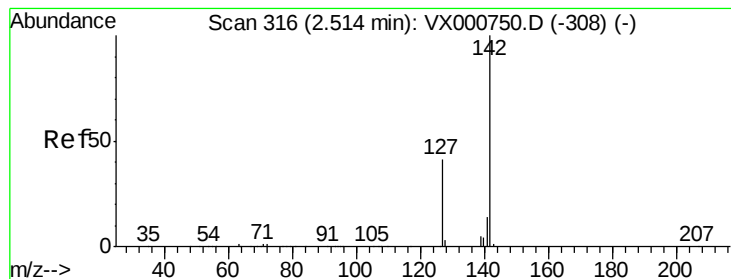
66 16.8 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 8.24 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

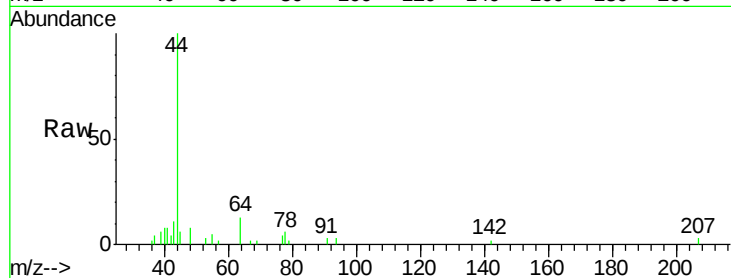
Tgt Ion: 142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

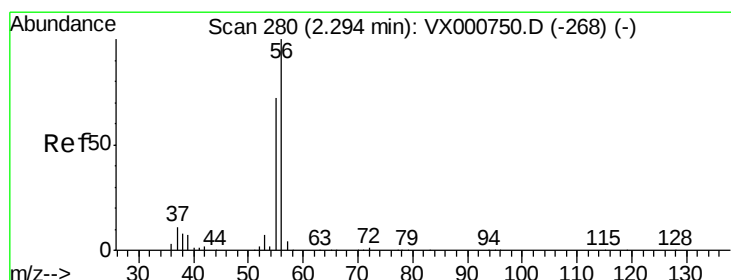
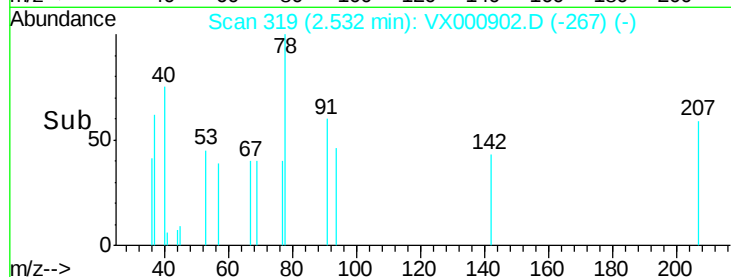
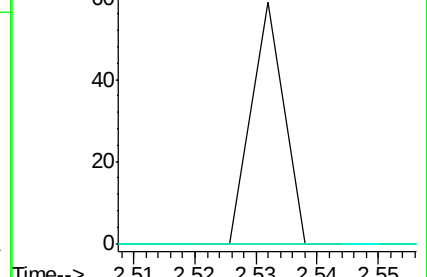
141 0.0 11.5 17.3#



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



#13

Acrolein

Concen: 0.84 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000902.D

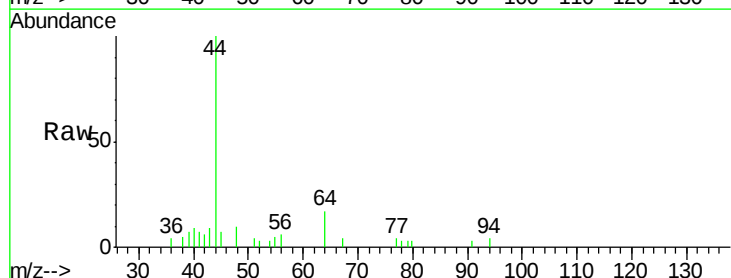
Acq: 15 Apr 2018 17:27

Tgt Ion: 56 Resp: 258

Ion Ratio Lower Upper

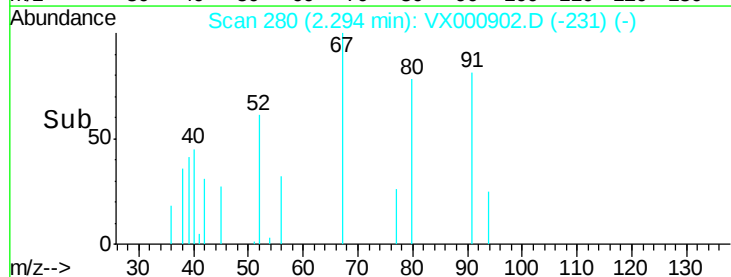
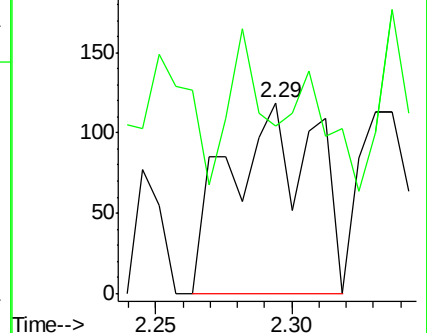
56 100

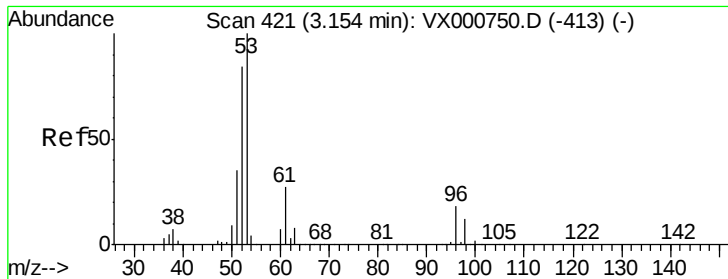
55 31.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

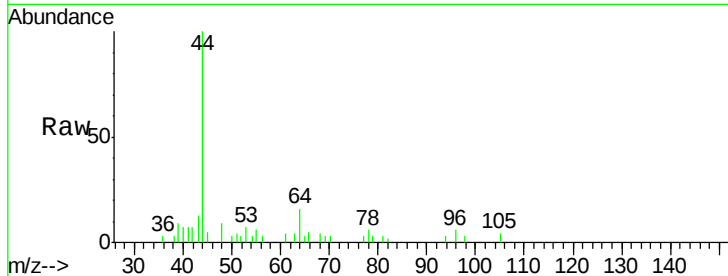
Tgt Ion: 53 Resp: 296

Ion Ratio Lower Upper

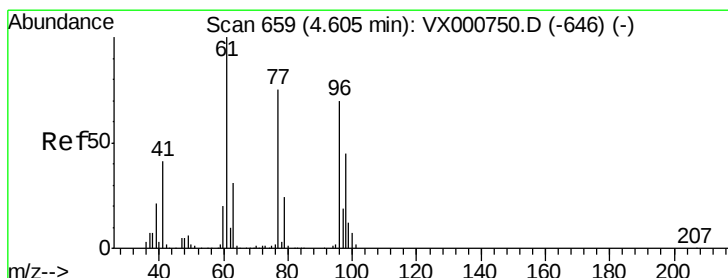
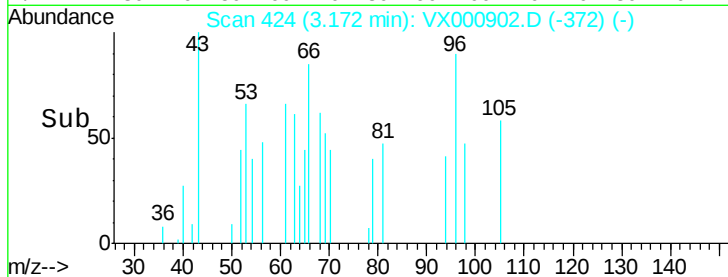
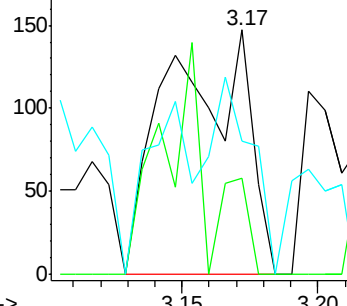
53 100

52 0.0 66.5 99.7#

51 42.9 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 20.44 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

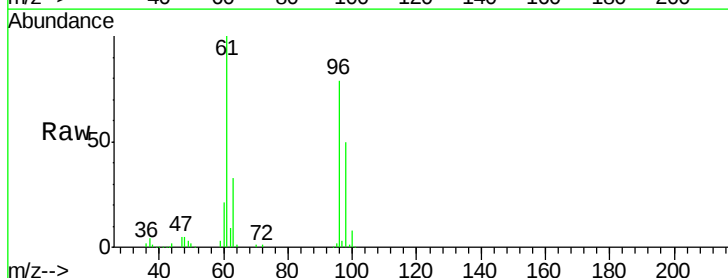
Tgt Ion: 96 Resp: 66300

Ion Ratio Lower Upper

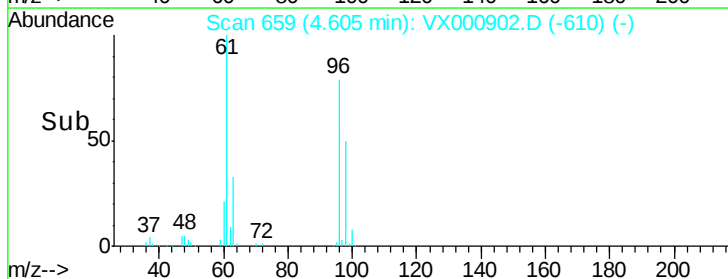
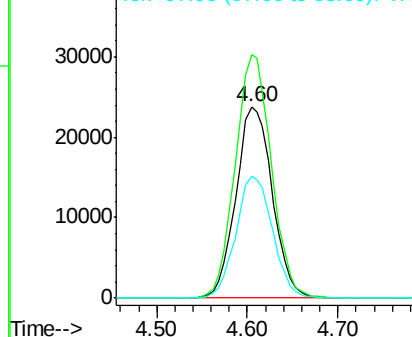
96 100

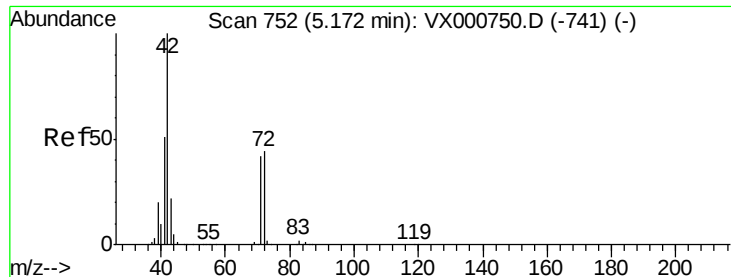
61 126.1 0.0 292.4

98 64.2 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

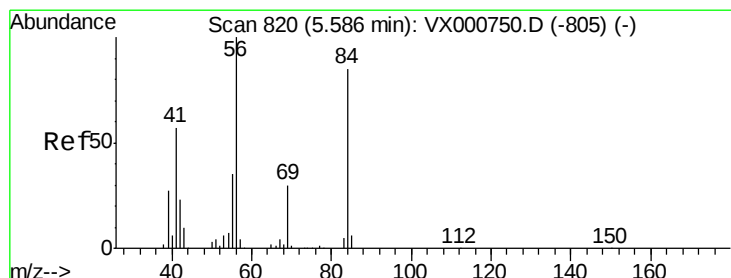
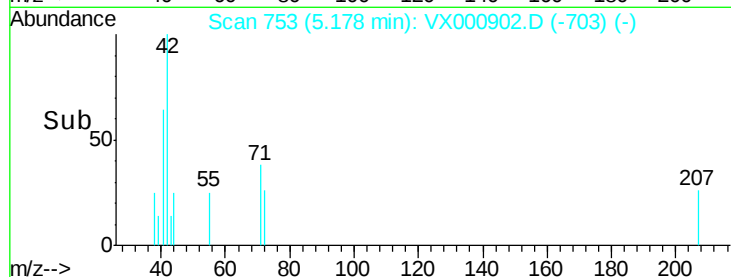
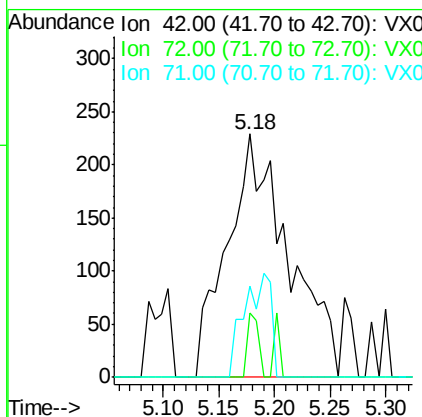
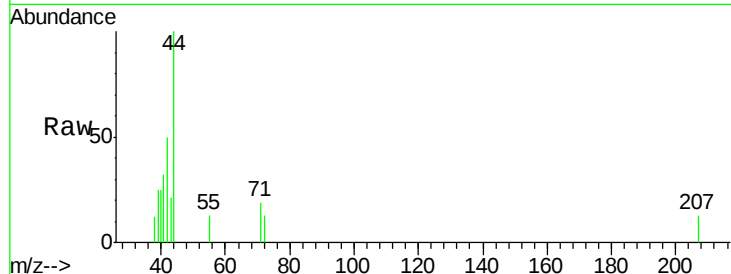




#29
Tetrahydrofuran
Concen: 0.69 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000902.D
Acq: 15 Apr 2018 17:27

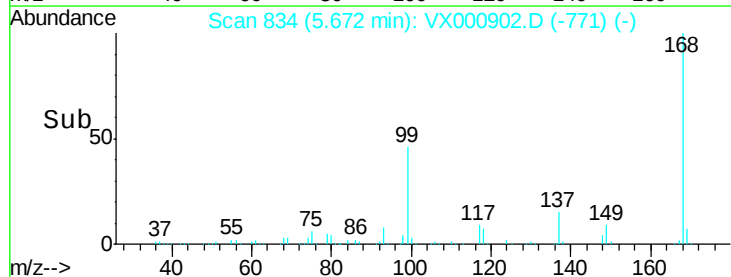
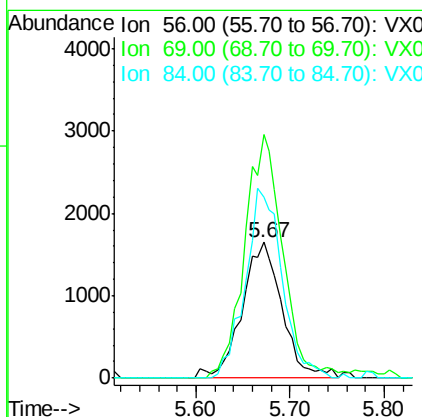
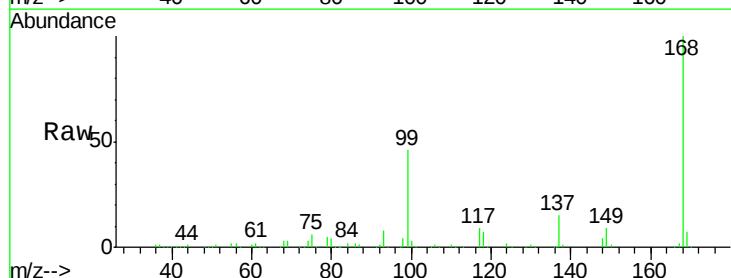
Instrument :
MSVOA_X
ClientSampleId :
SS032MW008-180410DL

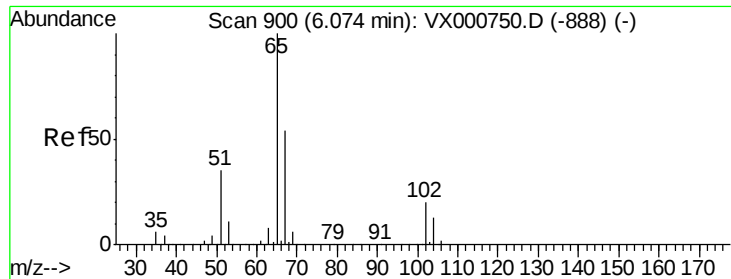
Tgt Ion: 42 Resp: 882
Ion Ratio Lower Upper
42 100
72 4.6 35.1 52.7#
71 18.6 32.8 49.2#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000902.D
Acq: 15 Apr 2018 17:27

Tgt Ion: 56 Resp: 4912
Ion Ratio Lower Upper
56 100
69 179.2 24.2 36.4#
84 133.3 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 46.60 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

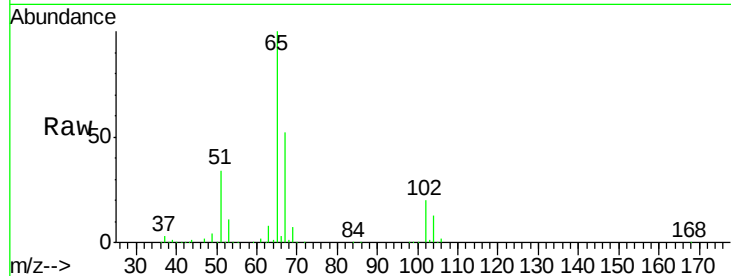
SS032MW008-180410DL

Tgt Ion: 65 Resp: 165942

Ion Ratio Lower Upper

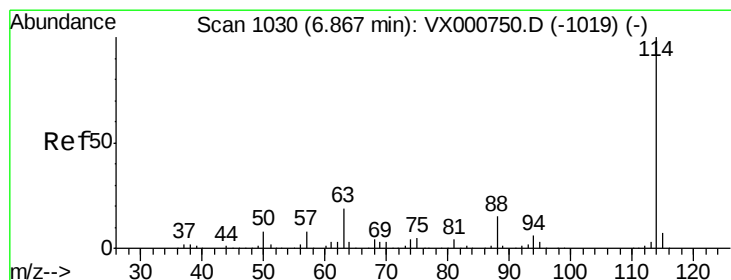
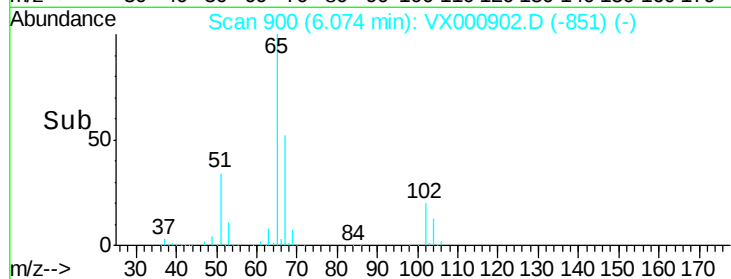
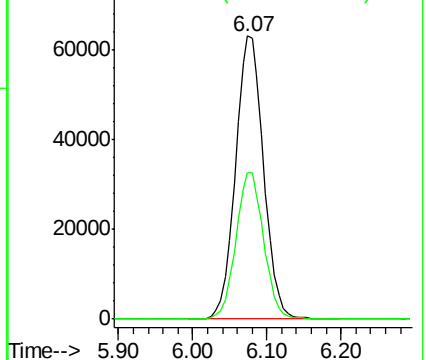
65 100

67 51.4 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# 1030

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

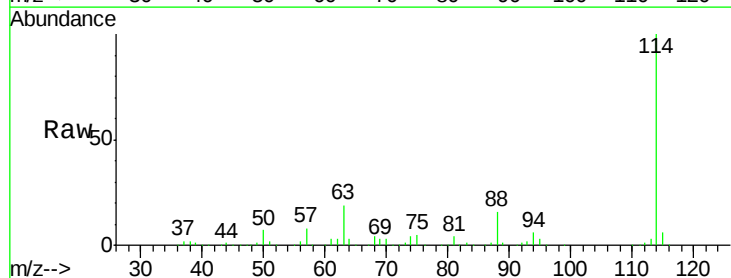
Tgt Ion: 114 Resp: 382574

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

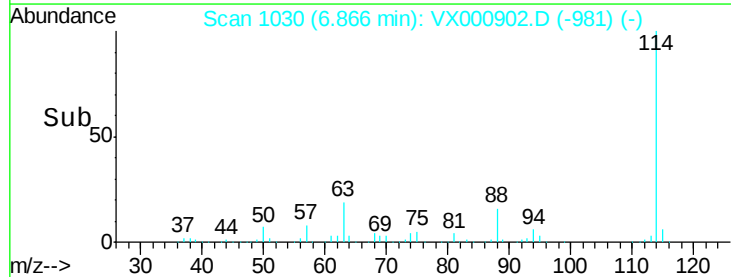
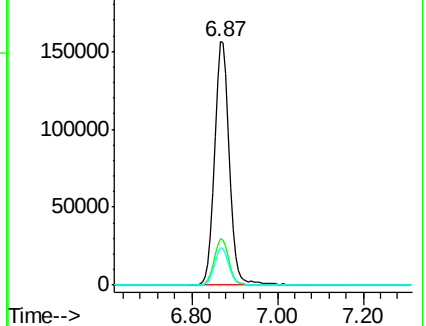
88 15.6 0.0 31.0

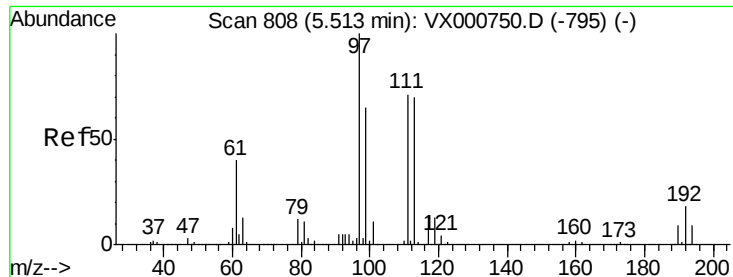


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

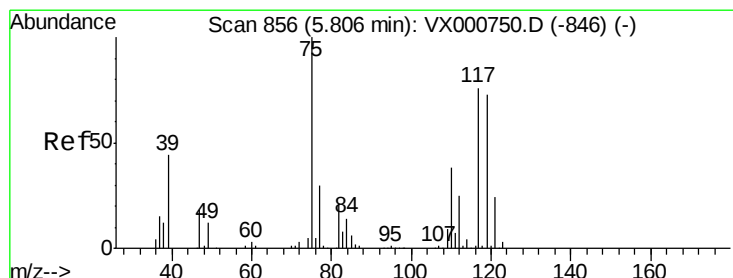
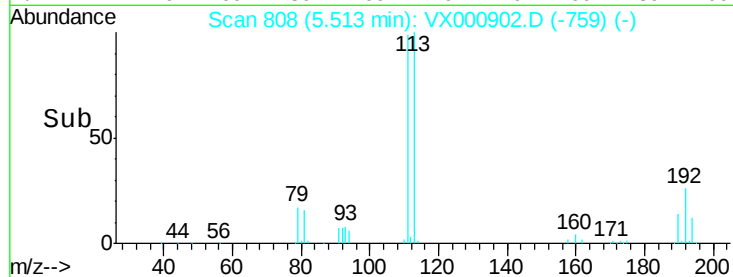
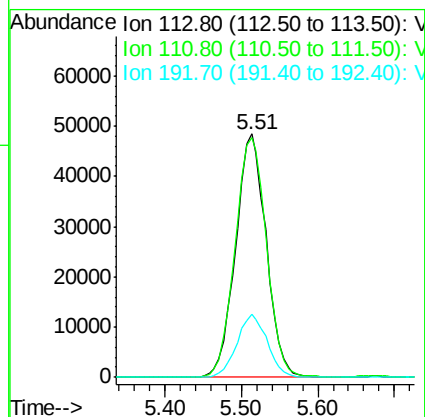
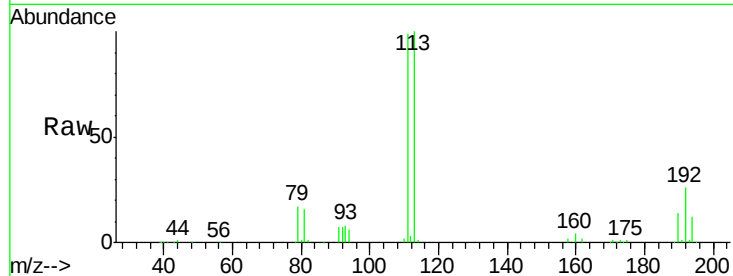




#35
 Dibromofluoromethane
 Concen: 45.45 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000902.D
 Acq: 15 Apr 2018 17:27

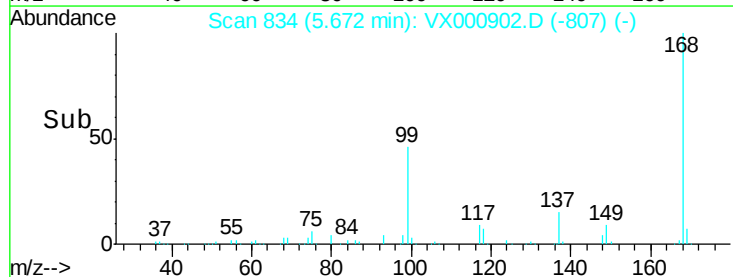
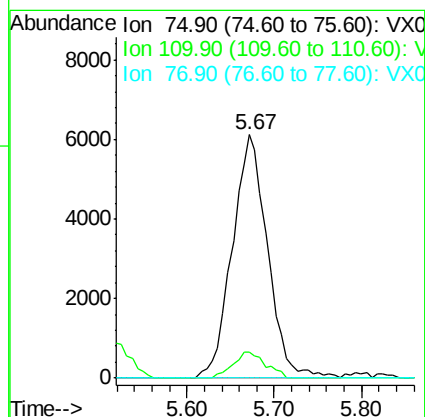
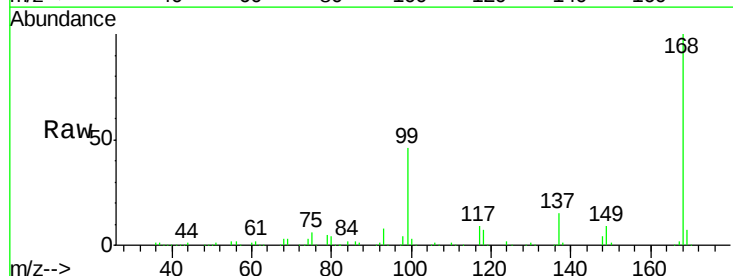
Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW008-180410DL

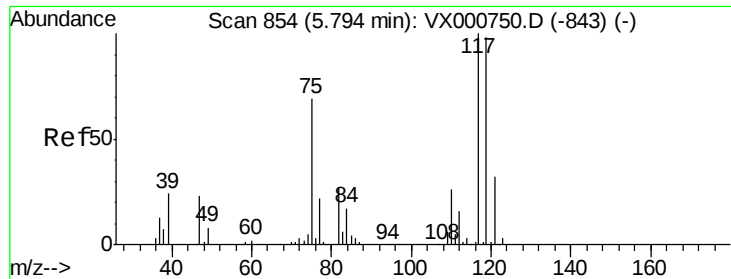
Tgt Ion:113 Resp: 133970
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.5 122.3
 192 25.5 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000902.D
 Acq: 15 Apr 2018 17:27

Tgt Ion: 75 Resp: 17114
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.2 57.6#
 77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

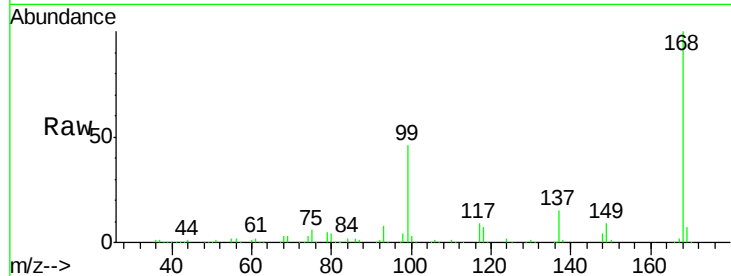
Tgt Ion: 117 Resp: 23646

Ion Ratio Lower Upper

117 100

119 5.1 78.4 117.6#

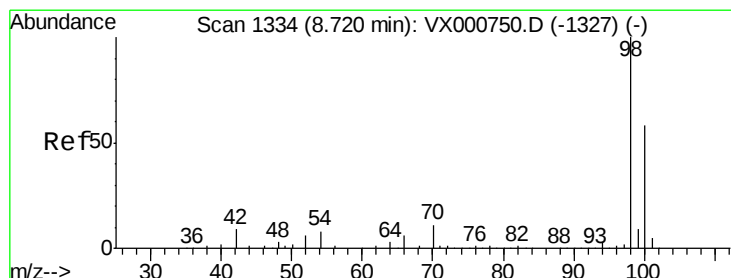
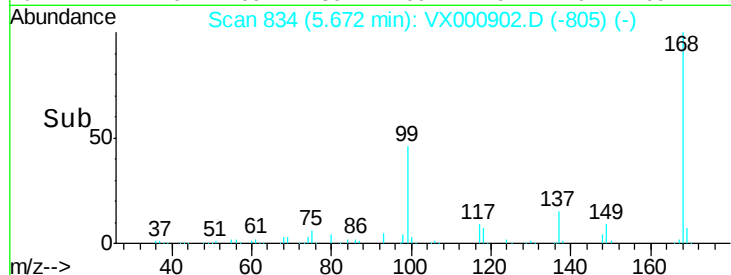
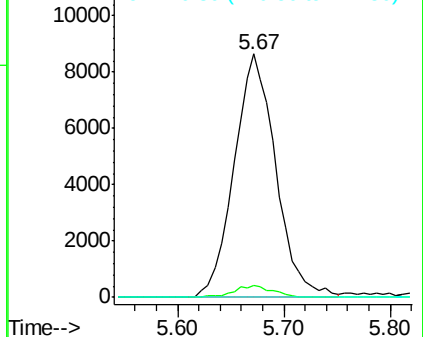
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 48.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000902.D

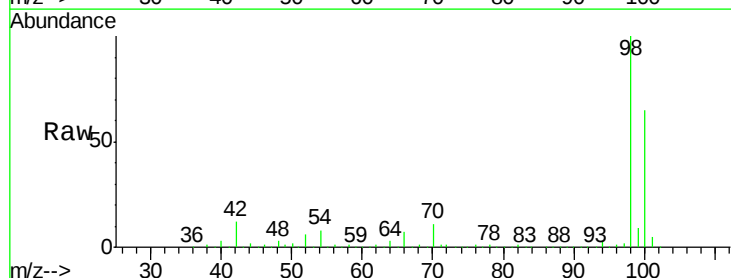
Acq: 15 Apr 2018 17:27

Tgt Ion: 98 Resp: 528189

Ion Ratio Lower Upper

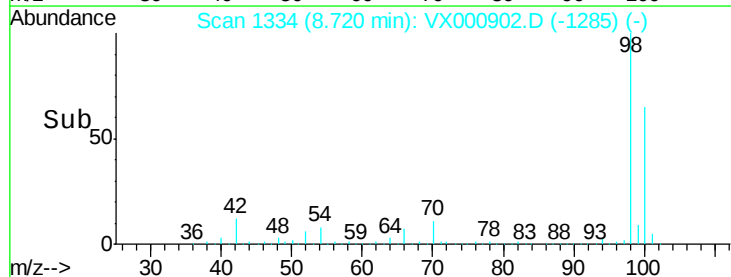
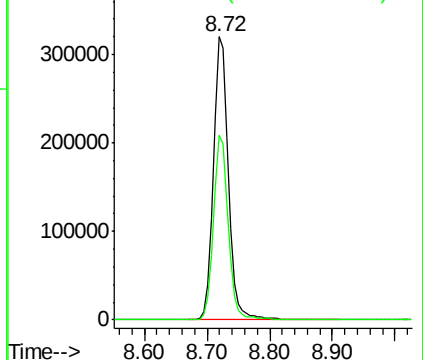
98 100

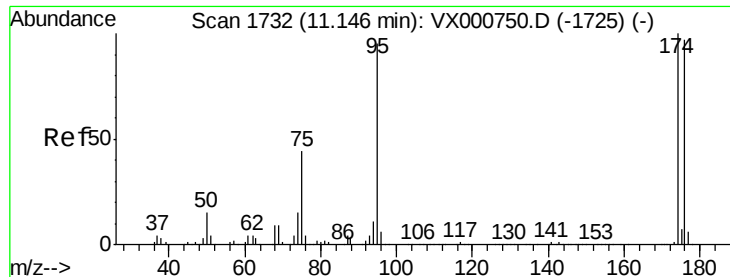
100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

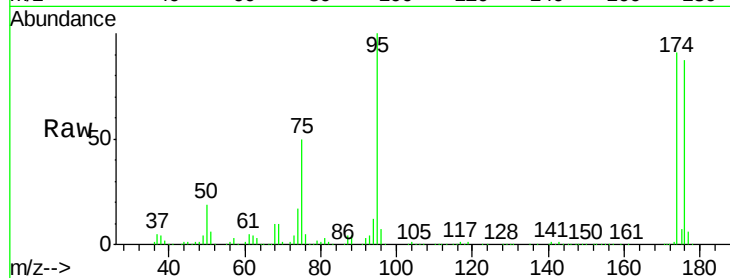
Tgt Ion: 95 Resp: 203975

Ion Ratio Lower Upper

95 100

174 99.1 0.0 198.4

176 96.6 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

200000

150000

100000

50000

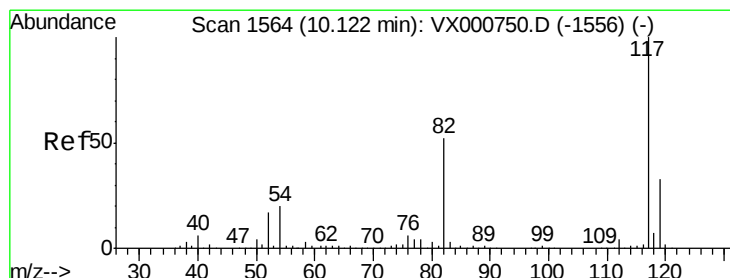
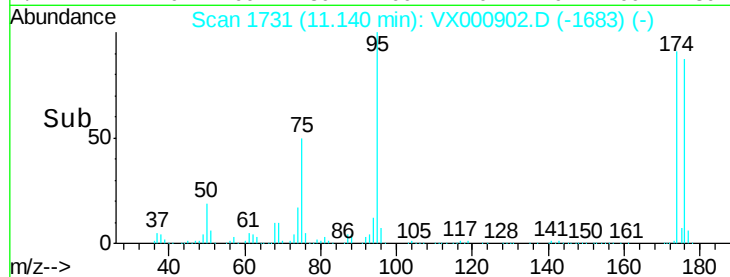
0

11.14

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

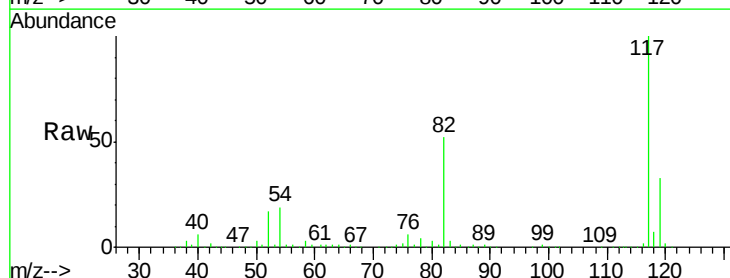
Tgt Ion: 117 Resp: 351373

Ion Ratio Lower Upper

117 100

82 51.6 41.9 62.9

119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

300000

200000

100000

0

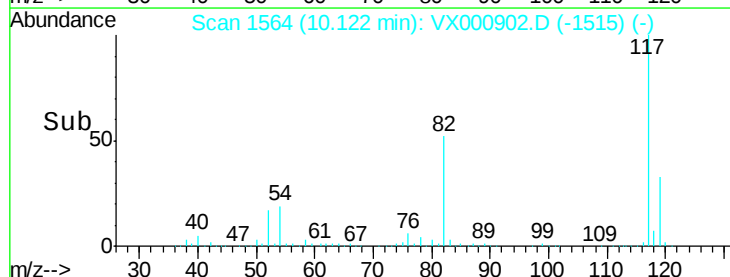
10.12

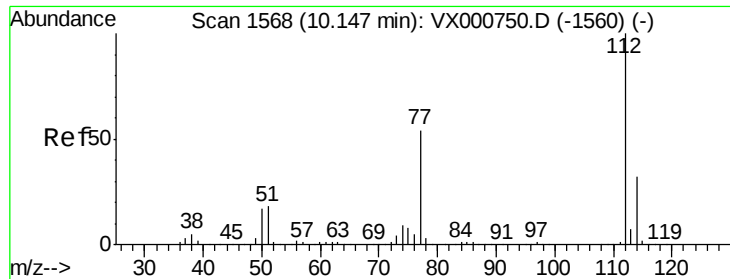
10.10

10.20

10.30

Time-->





#65

Chlorobenzene

Concen: 1.20 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

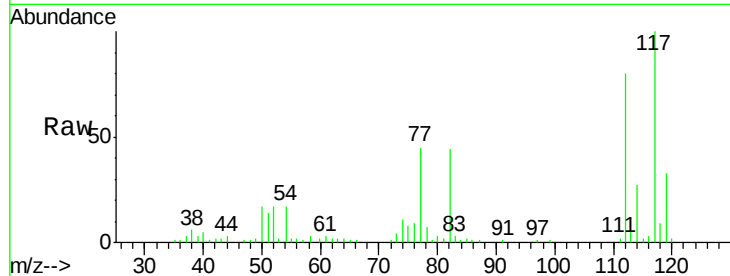
SS032MW008-180410DL

Tgt Ion:112 Resp: 10635

Ion Ratio Lower Upper

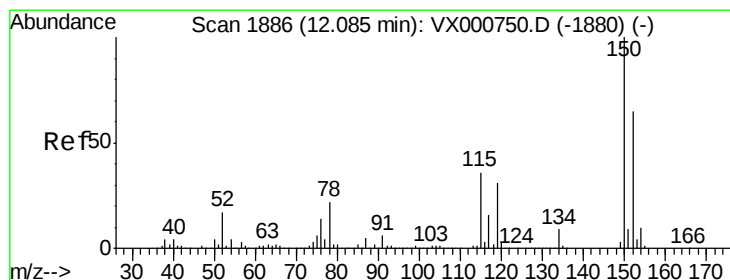
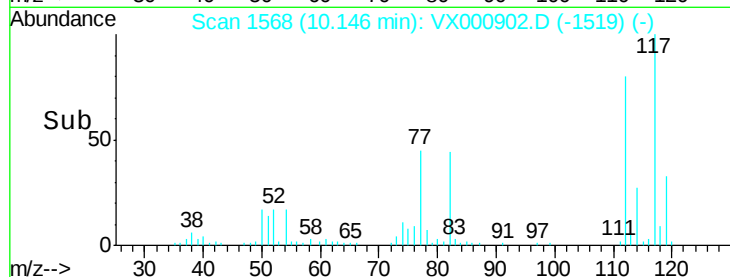
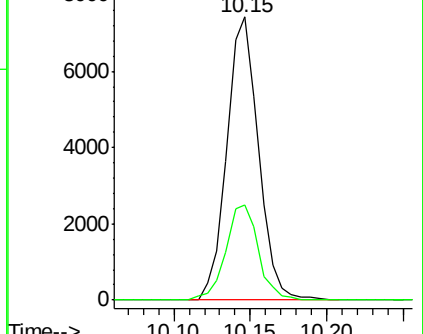
112 100

114 33.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

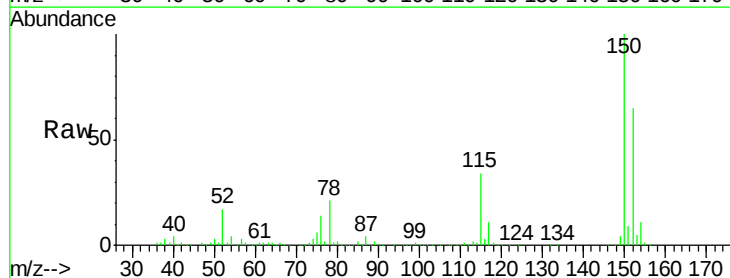
Tgt Ion:152 Resp: 231701

Ion Ratio Lower Upper

152 100

115 52.8 37.9 113.7

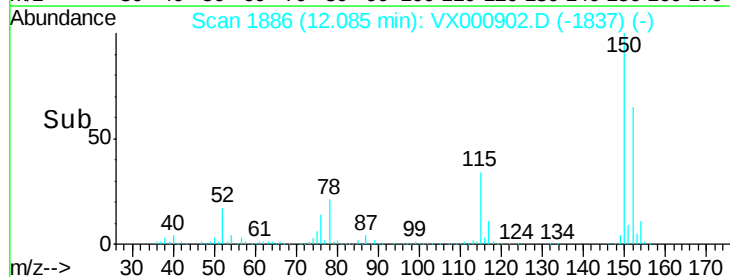
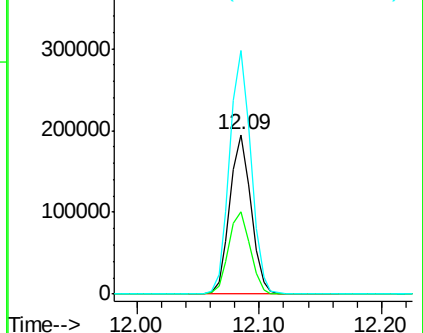
150 154.1 0.0 348.0

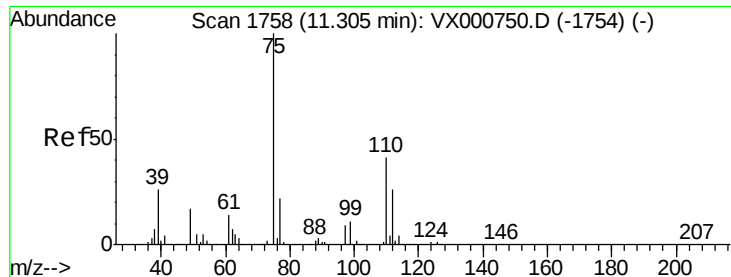


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

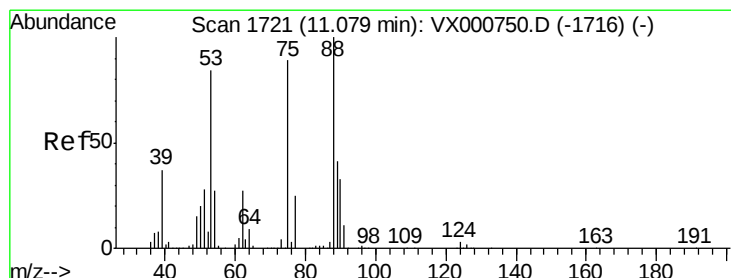
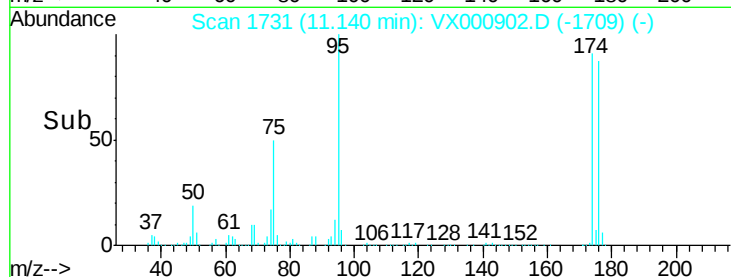
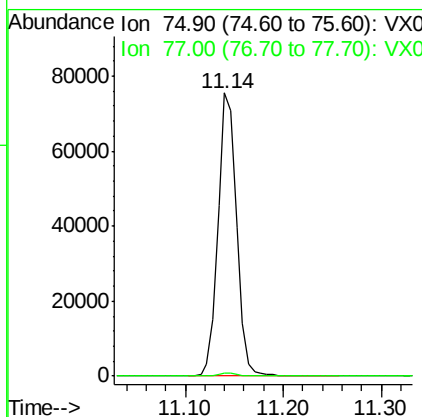
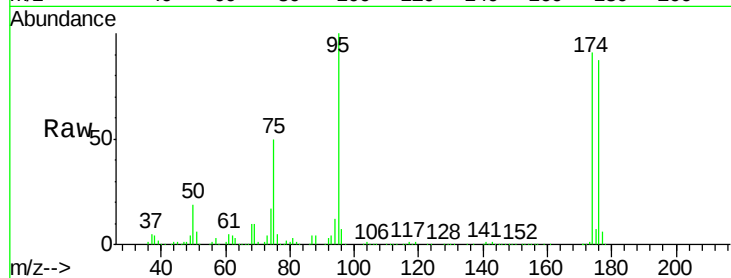




#76
 1,2,3-Trichloropropane
 Concen: 24.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000902.D
 Acq: 15 Apr 2018 17:27

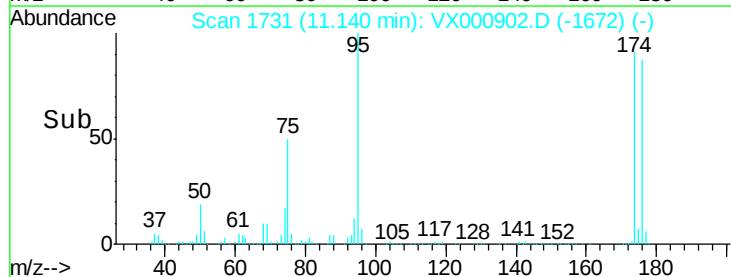
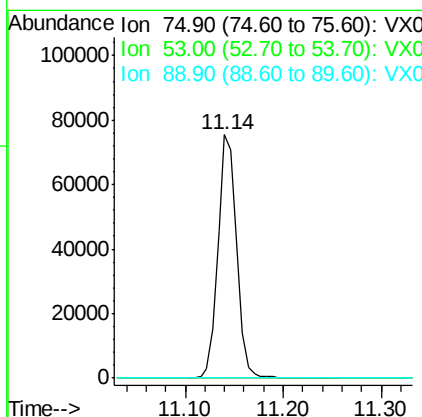
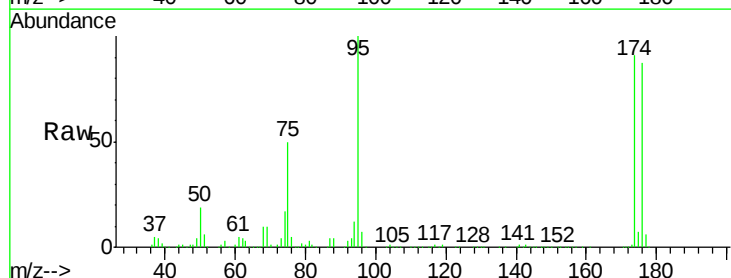
Instrument :
 MSVOA_X
 ClientSampleId :
 SS032MW008-180410DL

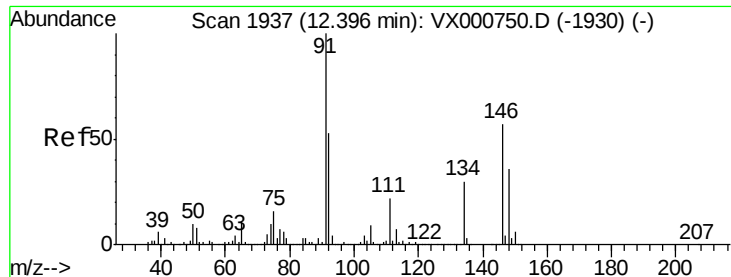
Tgt Ion: 75 Resp: 99190
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.28 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000902.D
 Acq: 15 Apr 2018 17:27

Tgt Ion: 75 Resp: 99190
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#





#91

1,2-Dichlorobenzene

Concen: 0.46 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000902.D

Acq: 15 Apr 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

SS032MW008-180410DL

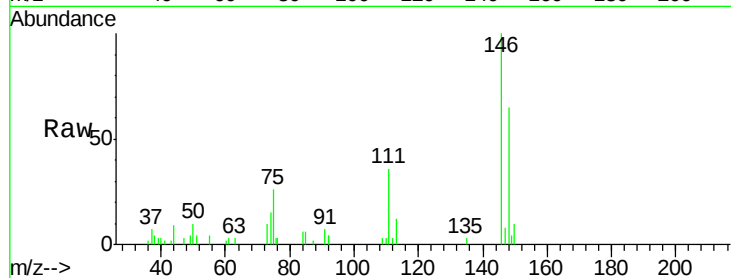
Tgt Ion:146 Resp: 3562

Ion Ratio Lower Upper

146 100

111 36.6 18.9 56.7

148 66.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

