

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010012.D
 Acq On : 01 Jun 2019 02:55
 Operator : JC/SP
 Sample : K3129-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW031-190529

Quant Time: Jun 01 04:49:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116496	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	118940	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
35) Dibromofluoromethane	5.50	113	88673	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	361763	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.13	95	125139	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

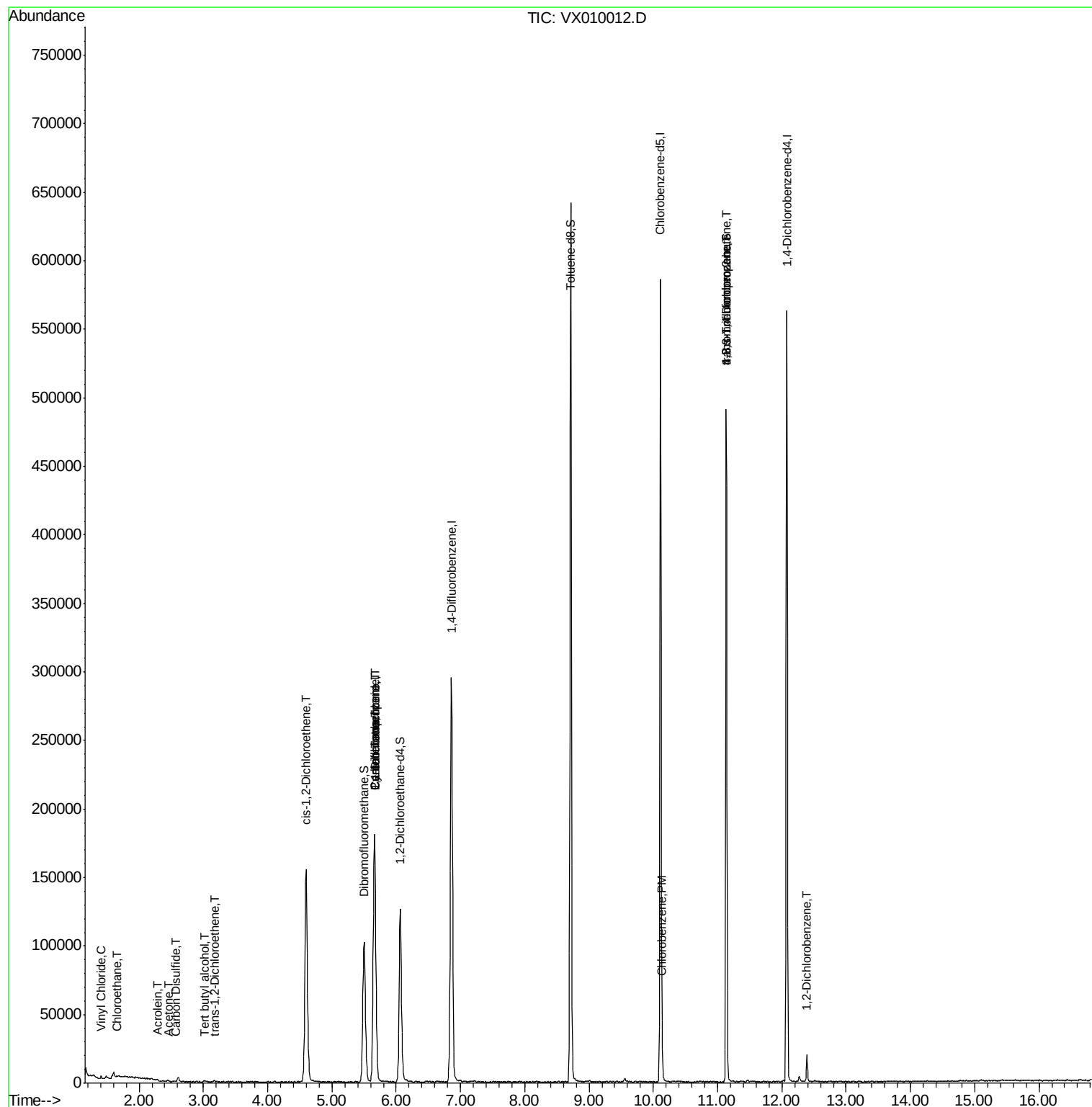
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1082	0.410	ug/l	97
6) Chloroethane	1.65	64	2665	1.641	ug/l #	57
11) Tert butyl alcohol	3.01	59	559	0.903	ug/l #	82
13) Acrolein	2.29	56	90	21.285	ug/l #	1
16) Acetone	2.45	43	999	0.687	ug/l	96
17) Carbon Disulfide	2.57	76	493	0.474	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	467	0.233	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	95449	41.202	ug/l	87
31) Cyclohexane	5.67	56	4017	1.049	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13677	4.711	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16215	6.463	ug/l #	17
65) Chlorobenzene	10.14	112	6205	1.142	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	64258	23.066	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64258	57.070	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	5953	1.548	ug/l	99

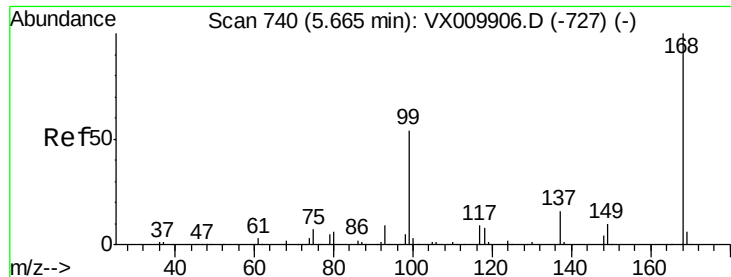
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

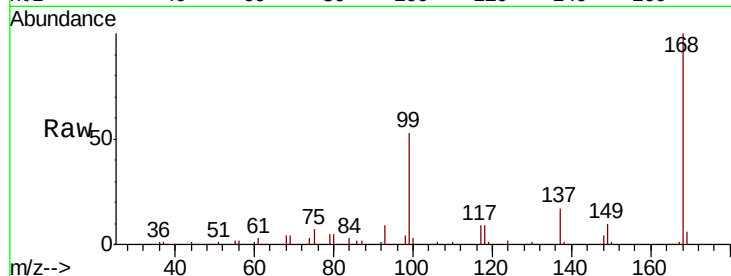
LF012MW031-190529

Tot Ion:168 Resp: 178100

Ion Ratio Lower Upper

168 100

99 52.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

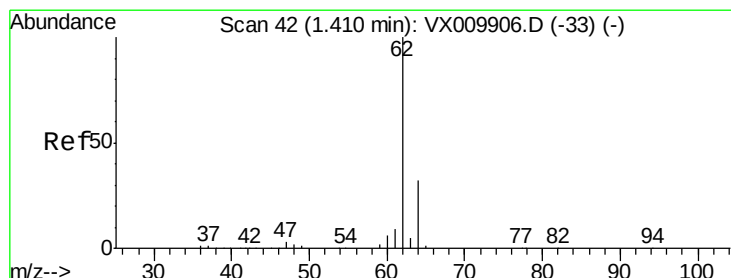
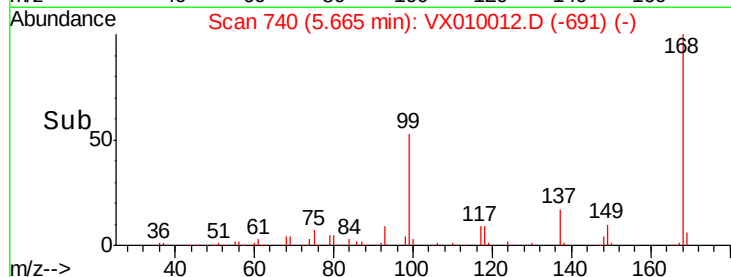
40000

20000

0

5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.410 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010012.D

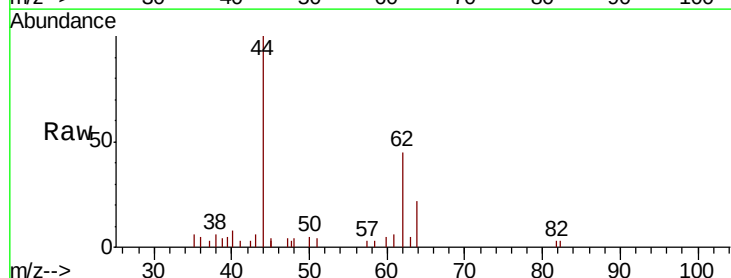
Acq: 01 Jun 2019 02:55

Tgt Ion: 62 Resp: 1082

Ion Ratio Lower Upper

62 100

64 33.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1000

800

600

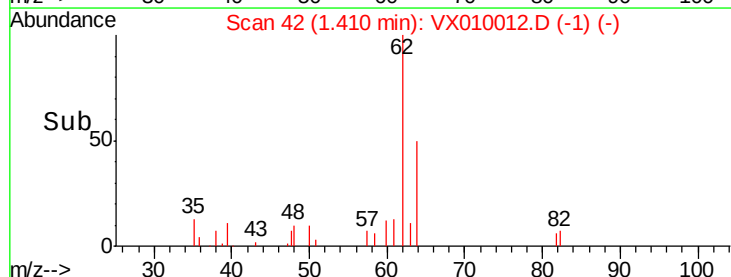
400

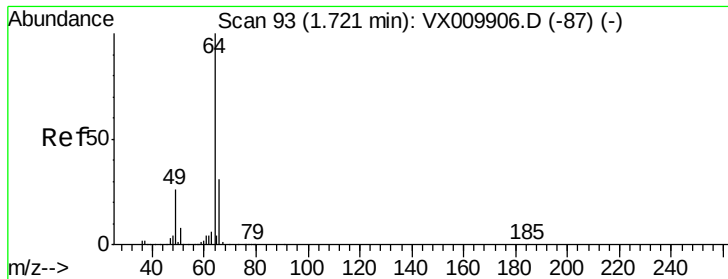
200

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 1.641 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.07 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

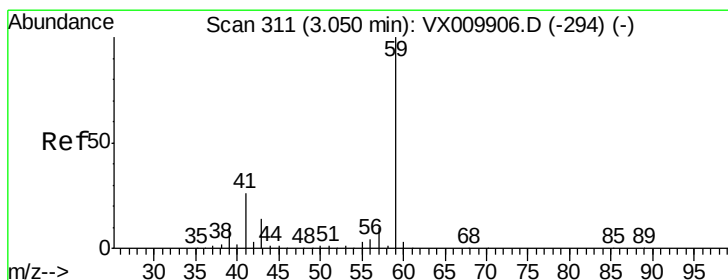
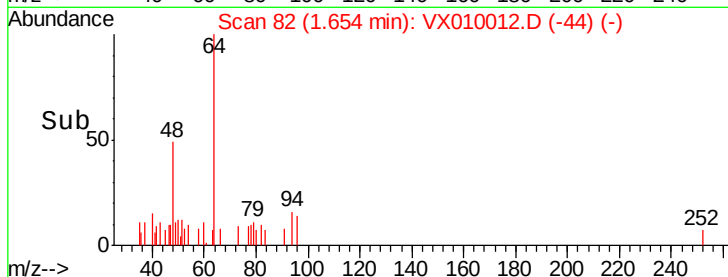
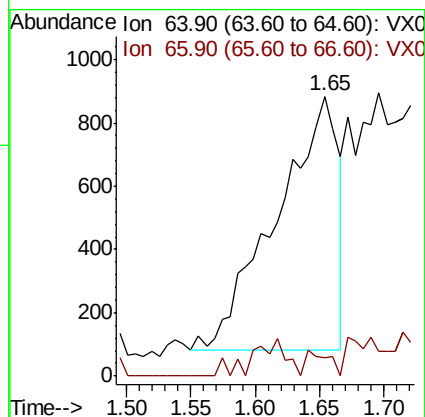
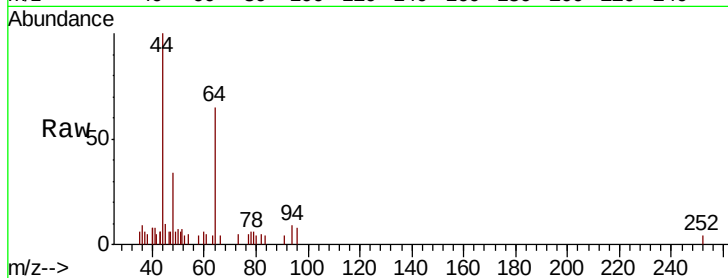
LF012MW031-190529

Tot Ion: 64 Resp: 2665

Ion Ratio Lower Upper

64 100

66 7.4 25.1 37.7#



#11

Tert butyl alcohol

Concen: 0.903 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010012.D

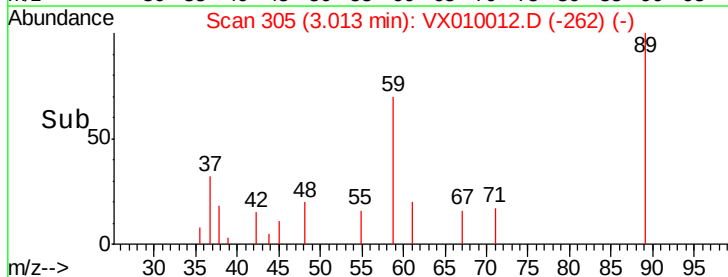
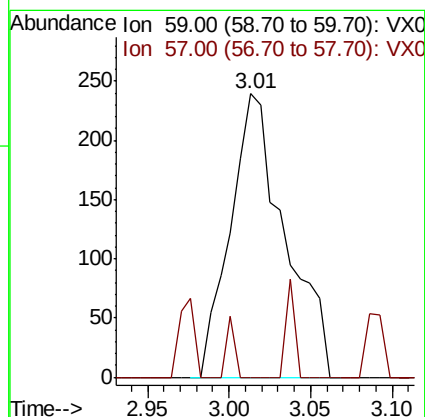
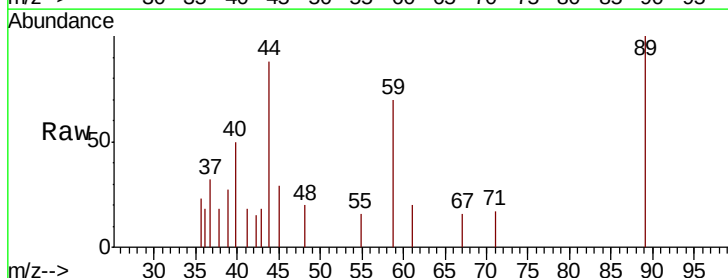
Acq: 01 Jun 2019 02:55

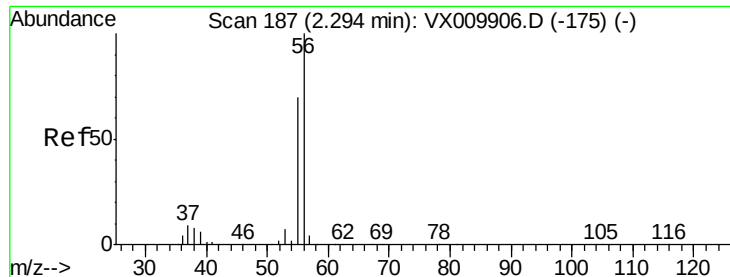
Tgt Ion: 59 Resp: 559

Ion Ratio Lower Upper

59 100

57 3.4 8.2 12.2#





#13

Acrolein

Concen: 21.285 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

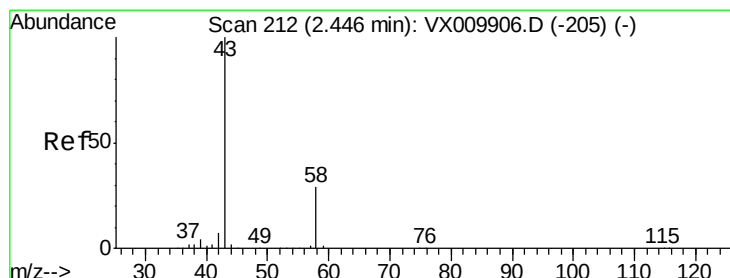
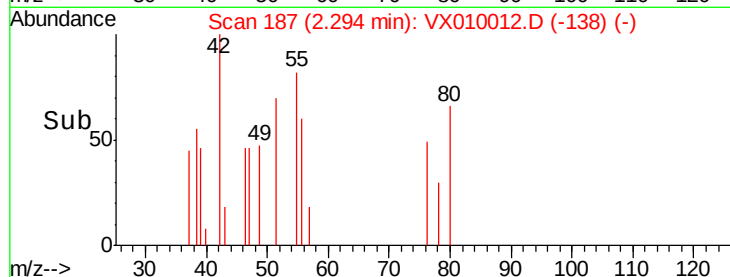
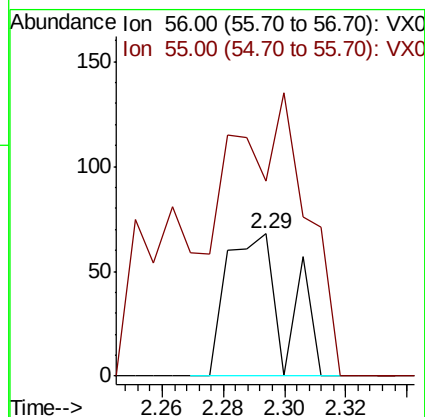
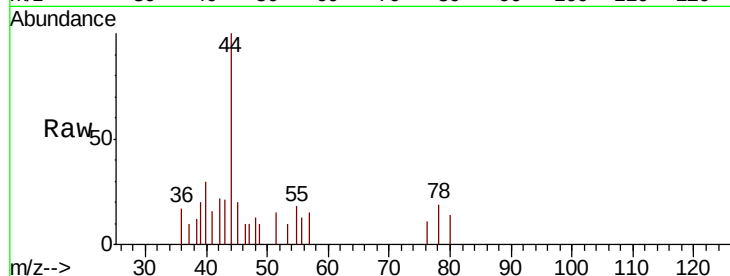
LF012MW031-190529

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 378.9 57.0 85.4#



#16

Acetone

Concen: 0.687 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010012.D

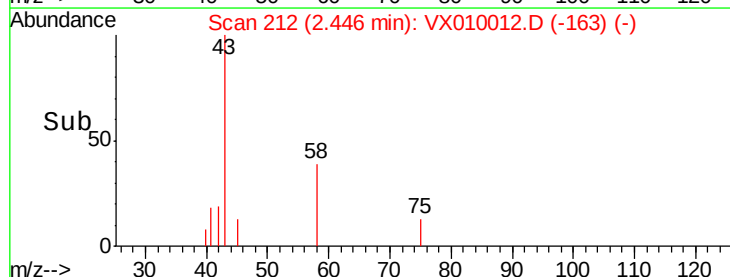
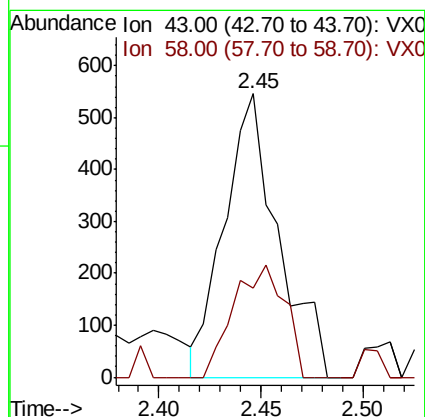
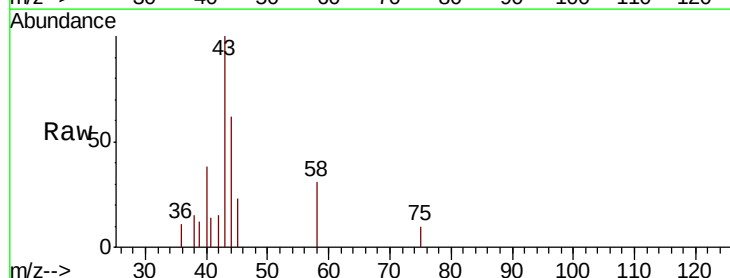
Acq: 01 Jun 2019 02:55

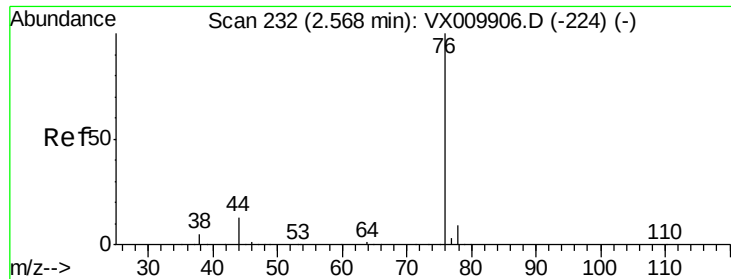
Tgt Ion: 43 Resp: 999

Ion Ratio Lower Upper

43 100

58 31.3 23.2 34.8





#17

Carbon Disulfide

Concen: 0.474 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

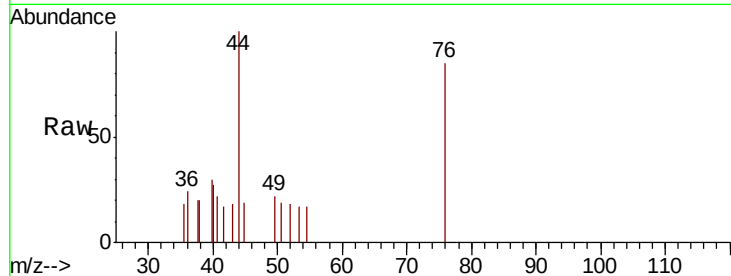
LF012MW031-190529

Tot Ion: 76 Resp: 493

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

250

200

150

100

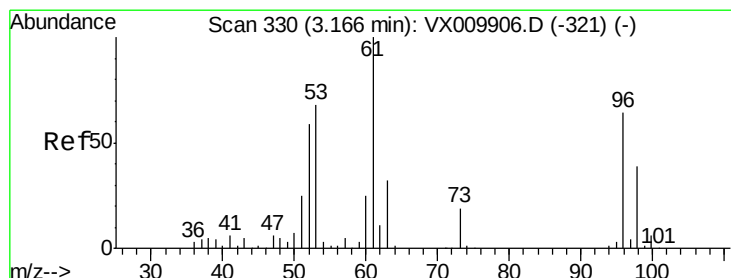
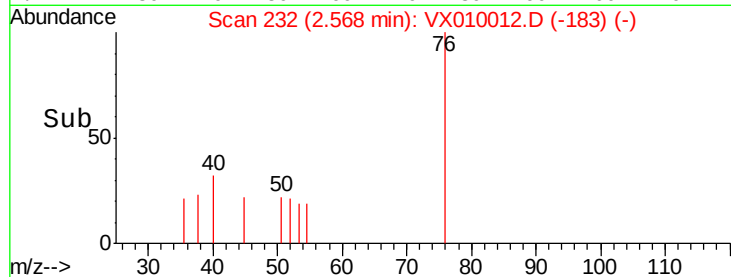
50

0

Time-->

2.55

2.60



#21

trans-1,2-Dichloroethene

Concen: 0.233 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

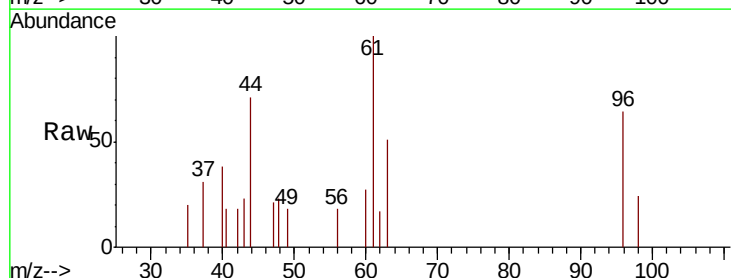
Tgt Ion: 96 Resp: 467

Ion Ratio Lower Upper

96 100

61 155.9 125.7 188.5

98 37.1 49.0 73.6#



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

400

300

200

100

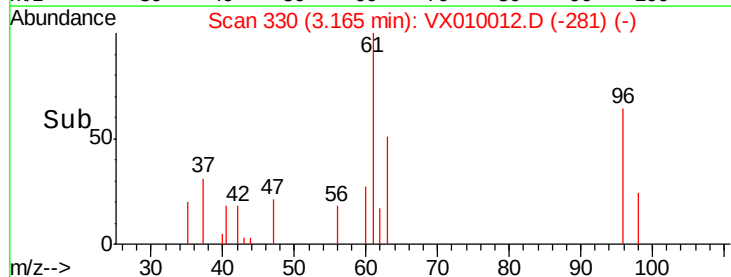
0

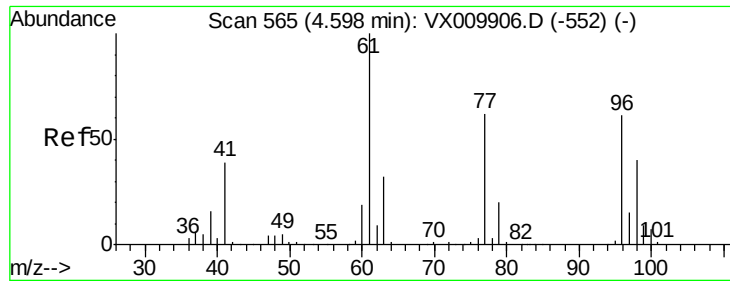
Time-->

3.10

3.15

3.20



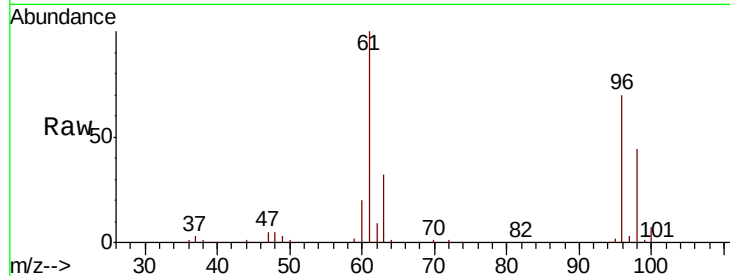


#27

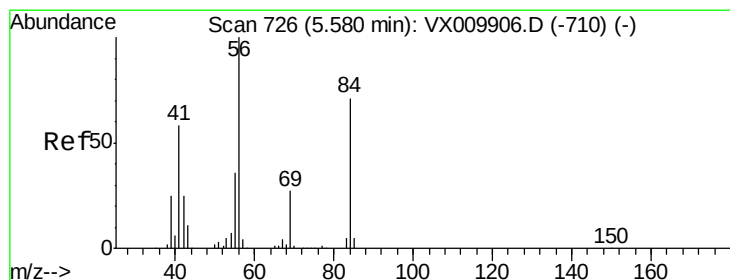
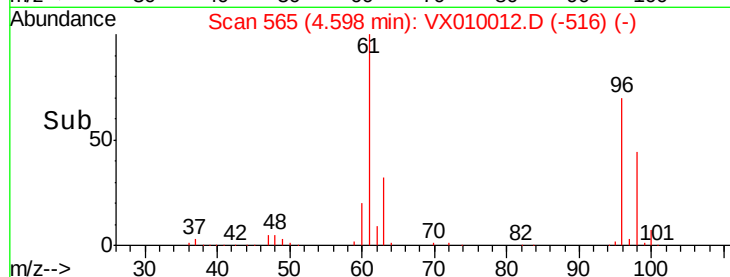
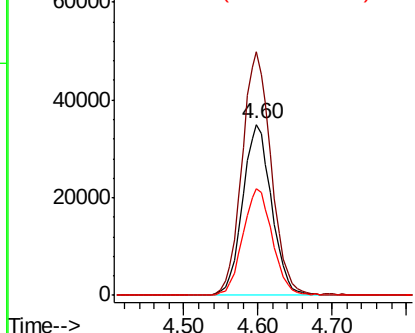
cis-1,2-Dichloroethene
Concen: 41.202 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010012.D
Acq: 01 Jun 2019 02:55

Instrument :
MSVOA_X
ClientSampleId :
LF012MW031-190529

Tot Ion: 96 Resp: 95449
Ion Ratio Lower Upper
96 100
61 143.3 0.0 334.0
98 63.7 0.0 131.6



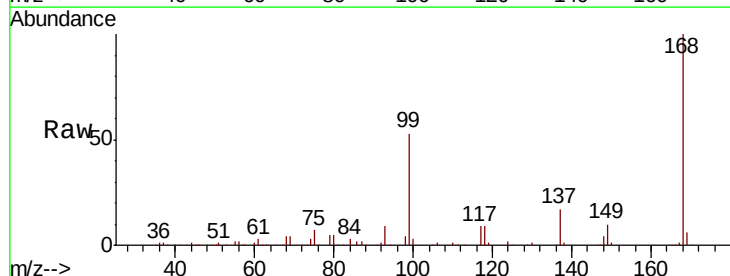
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



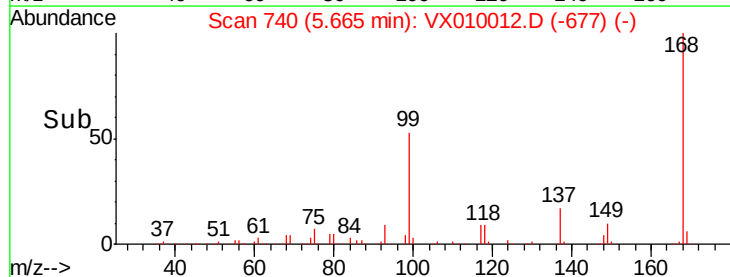
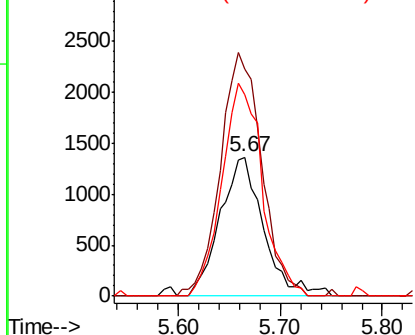
#31

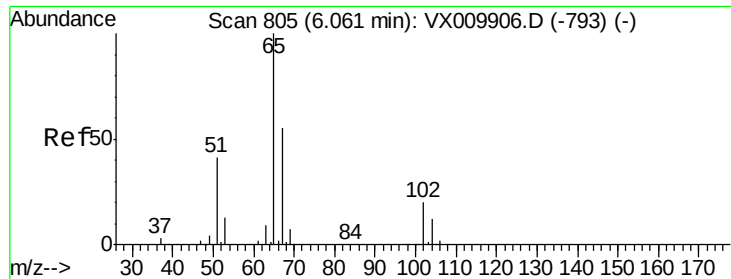
Cyclohexane
Concen: 1.049 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010012.D
Acq: 01 Jun 2019 02:55

Tgt Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 162.9 21.6 32.4#
84 144.5 56.8 85.2#



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

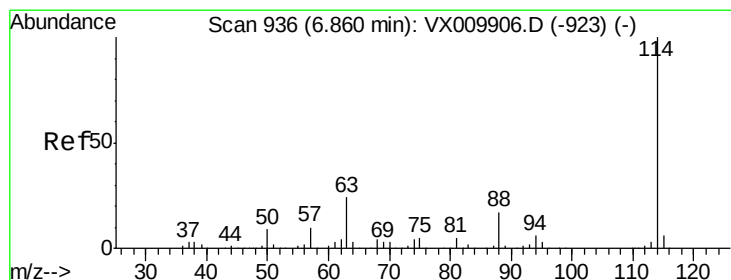
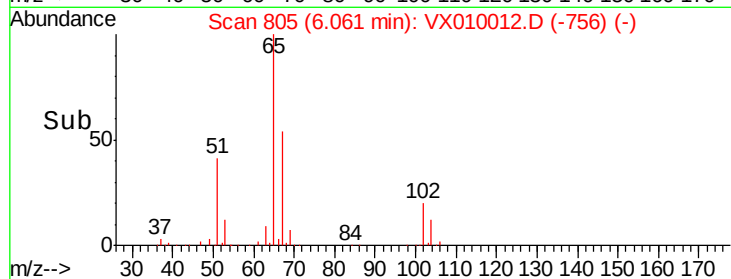
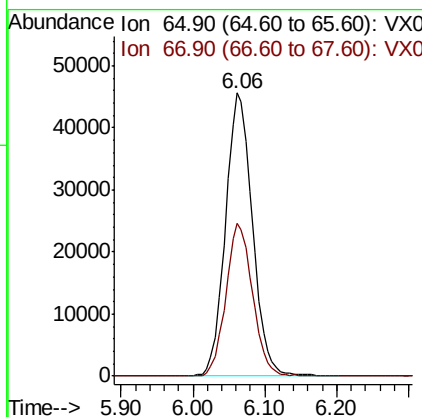
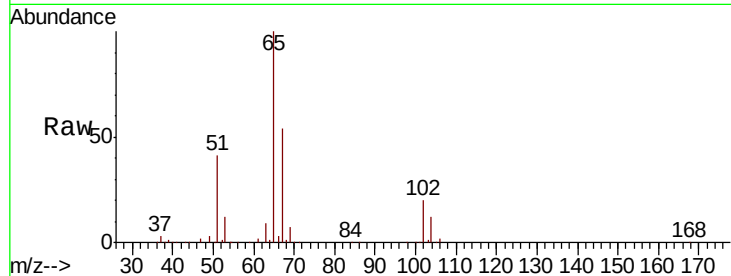




#33
 1,2-Dichloroethane-d4
 Concen: 47.277 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010012.D
 Acq: 01 Jun 2019 02:55

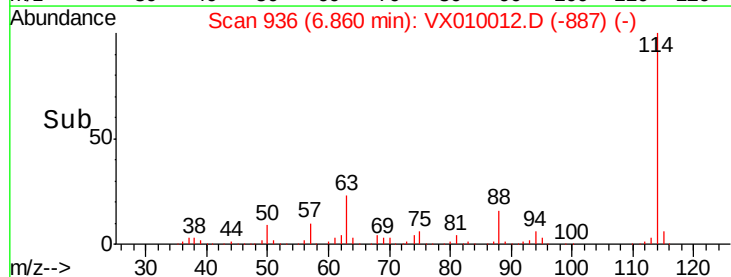
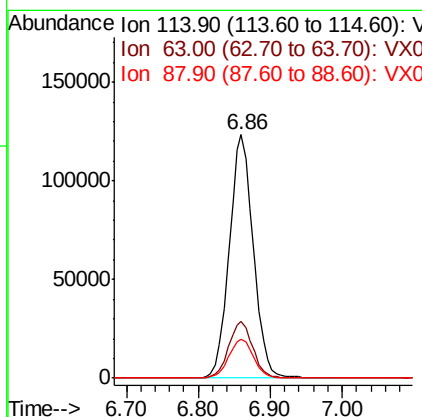
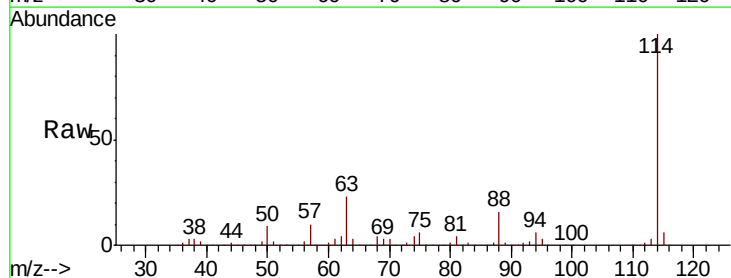
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW031-190529

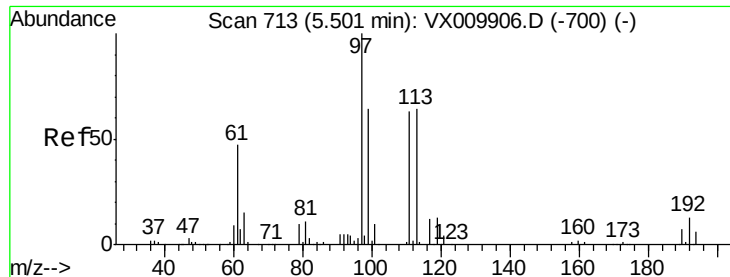
Tot Ion: 65 Resp: 118940
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010012.D
 Acq: 01 Jun 2019 02:55

Tgt Ion: 114 Resp: 286138
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-190529

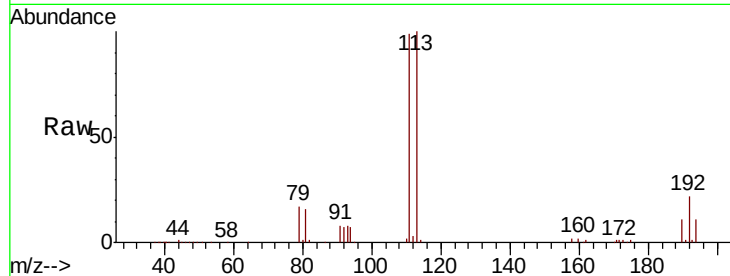
Tot Ion:113 Resp: 88673

Ion Ratio Lower Upper

113 100

111 100.5 82.2 123.2

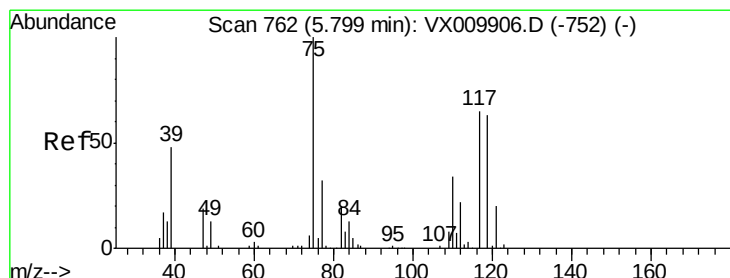
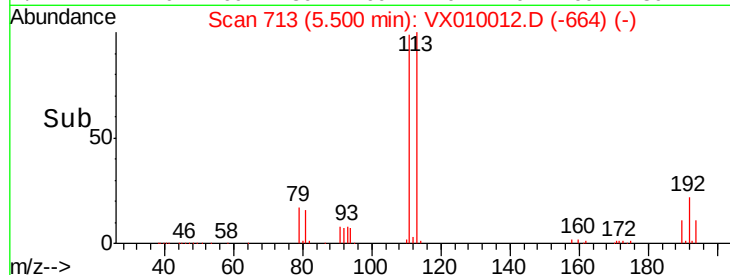
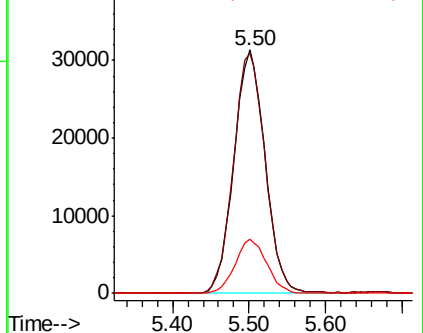
192 22.2 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

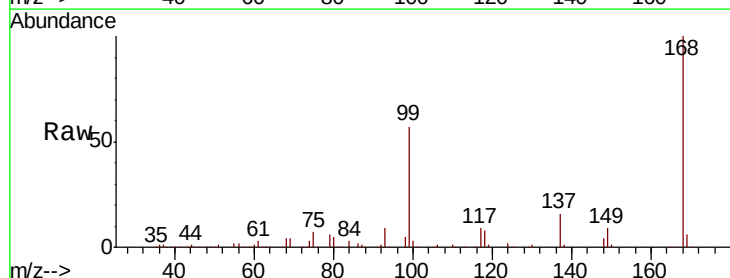
Tgt Ion: 75 Resp: 13677

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

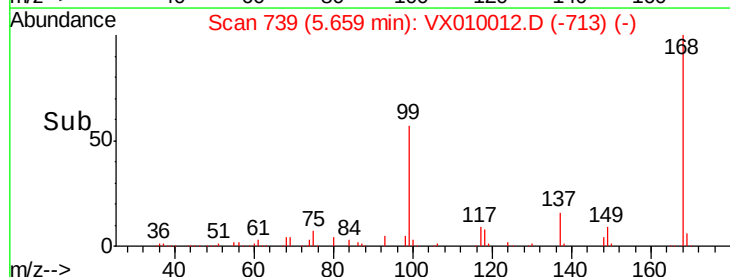
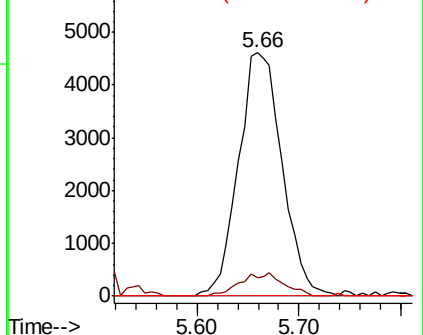
77 0.0 25.0 37.4#

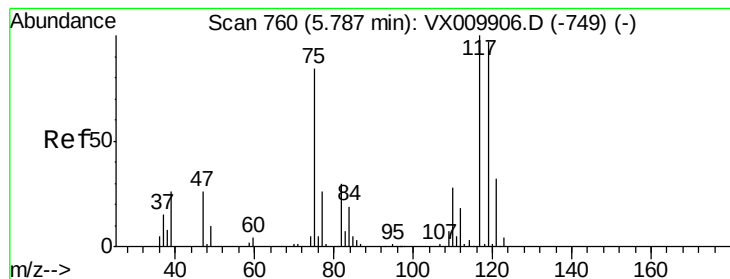


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.463 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-190529

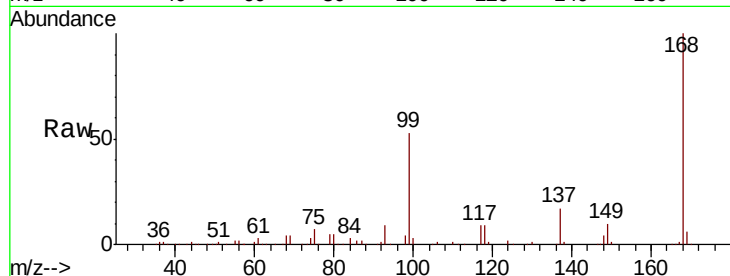
Tot Ion:117 Resp: 16215

Ion Ratio Lower Upper

117 100

119 7.3 77.3 115.9#

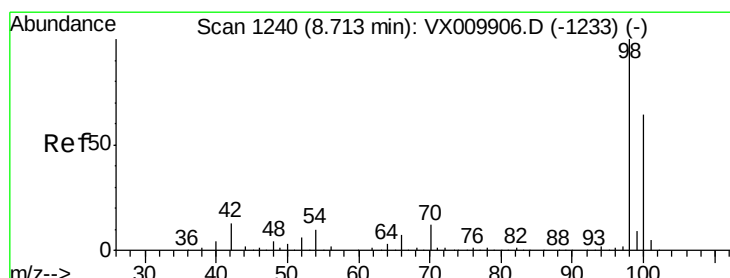
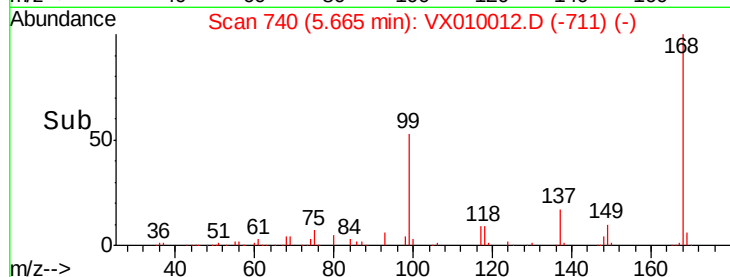
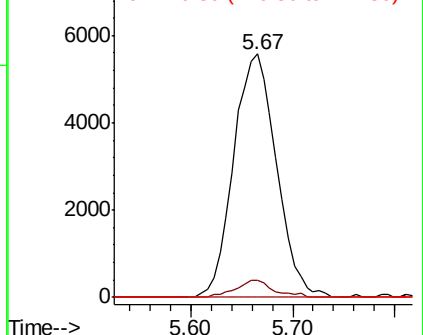
121 0.0 25.4 38.0#



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: 49.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010012.D

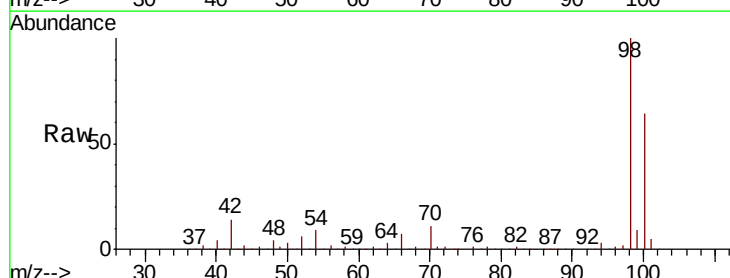
Acq: 01 Jun 2019 02:55

Tgt Ion: 98 Resp: 361763

Ion Ratio Lower Upper

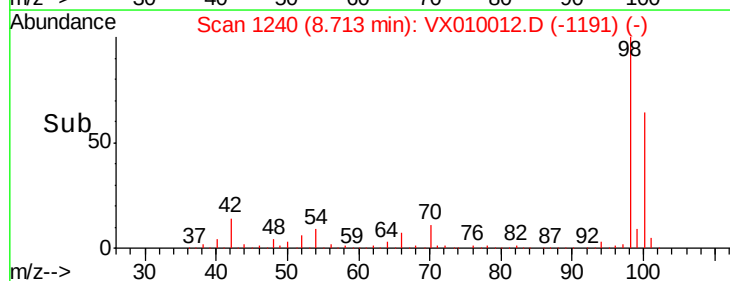
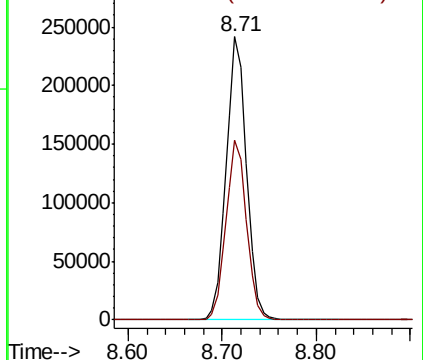
98 100

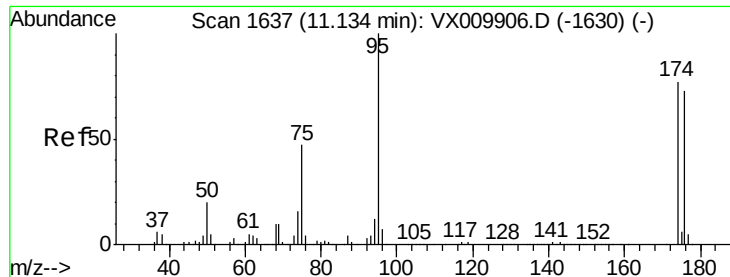
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.692 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

LF012MW031-190529

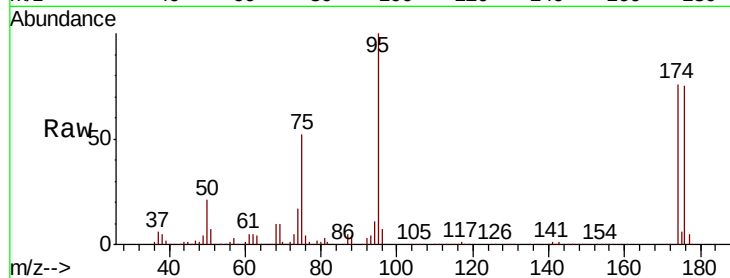
Tot Ion: 95 Resp: 125139

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.4

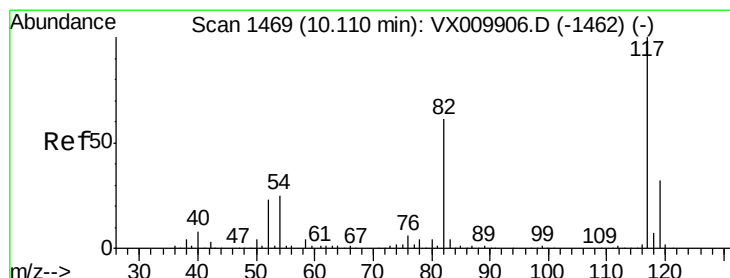
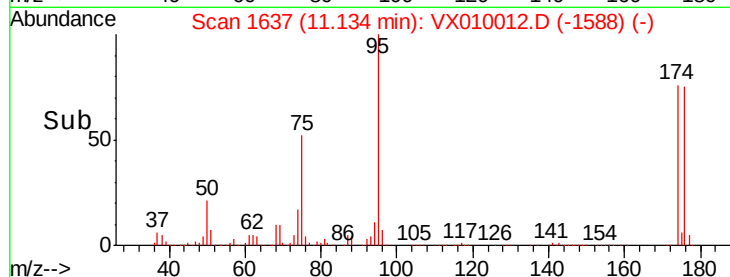
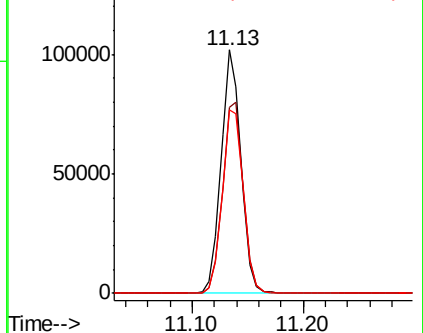
176 80.2 0.0 154.6



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

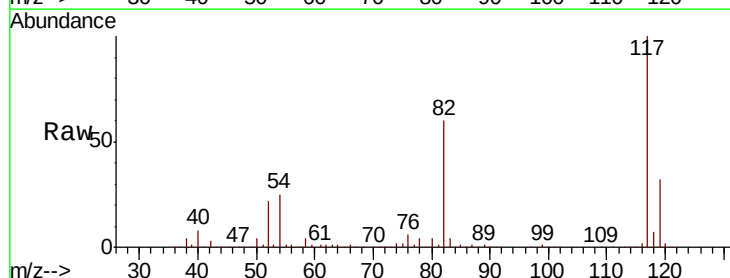
Tgt Ion: 117 Resp: 259581

Ion Ratio Lower Upper

117 100

82 60.2 49.2 73.8

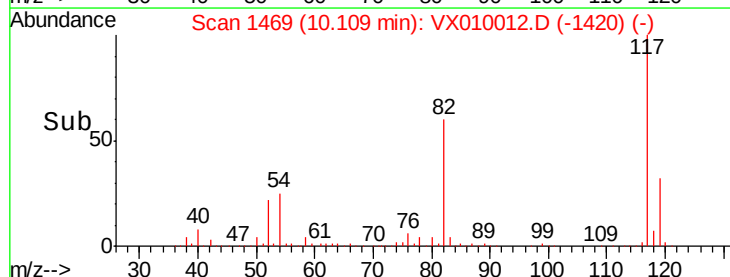
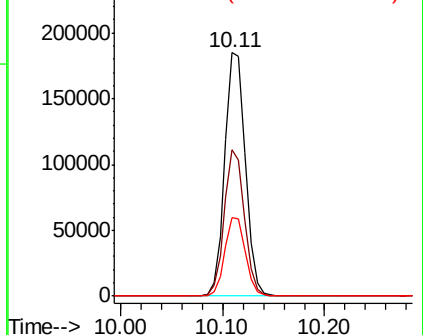
119 32.1 25.2 37.8

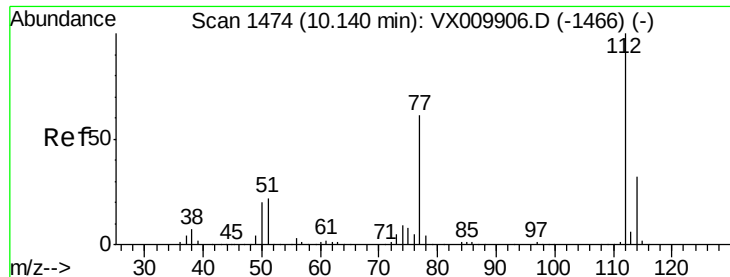


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 1.142 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

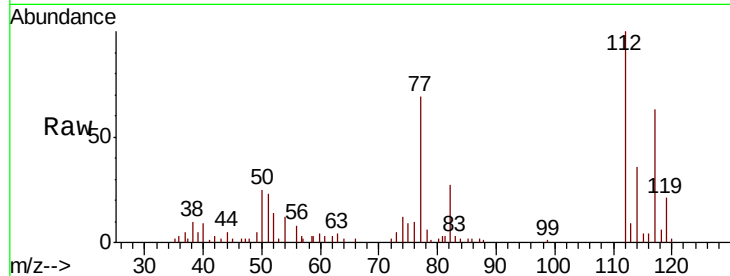
LF012MW031-190529

Tot Ion:112 Resp: 6205

Ion Ratio Lower Upper

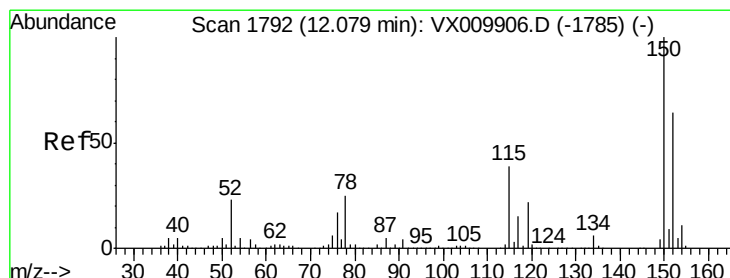
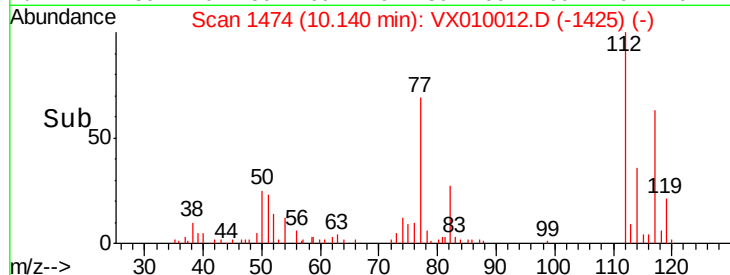
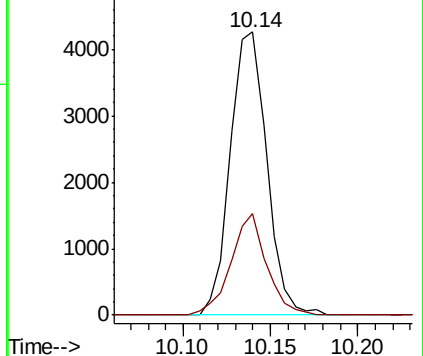
112 100

114 36.0 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010012.D

Acq: 01 Jun 2019 02:55

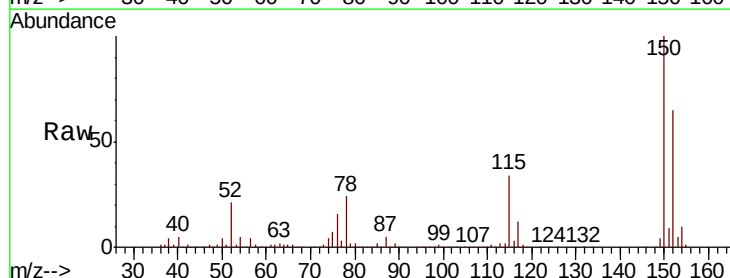
Tgt Ion:152 Resp: 116496

Ion Ratio Lower Upper

152 100

115 56.8 41.4 124.2

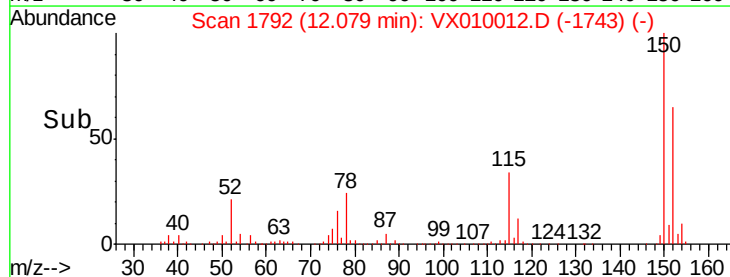
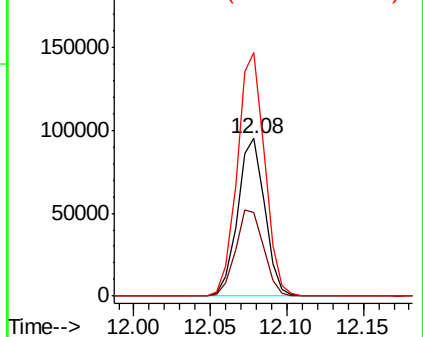
150 156.1 0.0 345.2

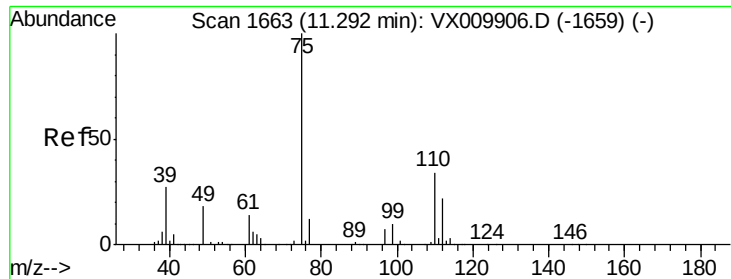


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

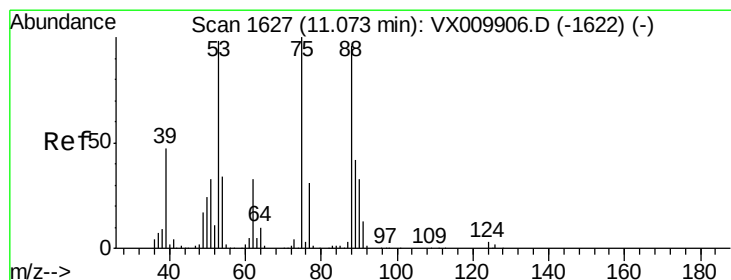
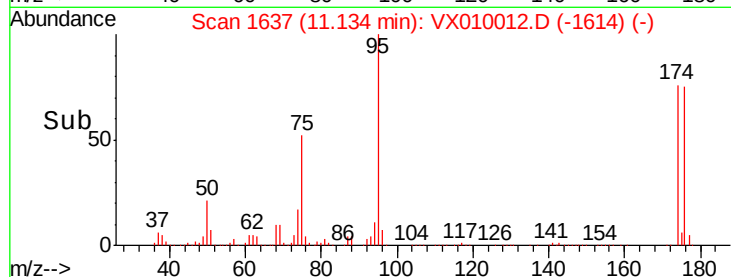
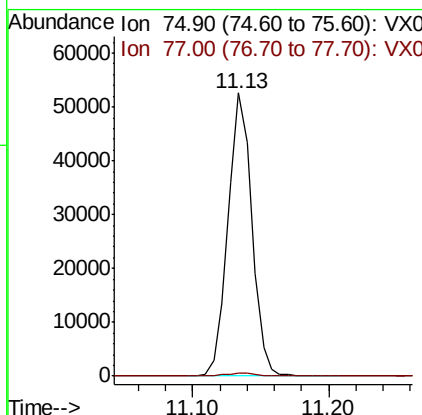
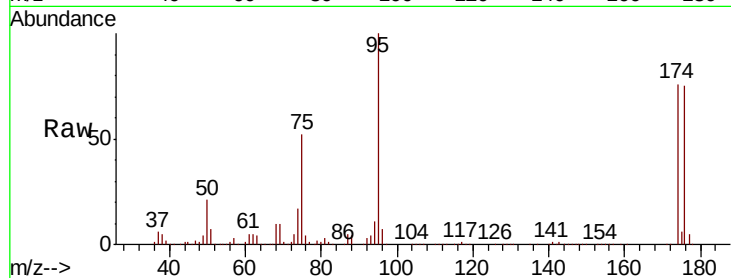




#76
1,2,3-Trichloropropane
Concen: 23.066 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010012.D
Acq: 01 Jun 2019 02:55

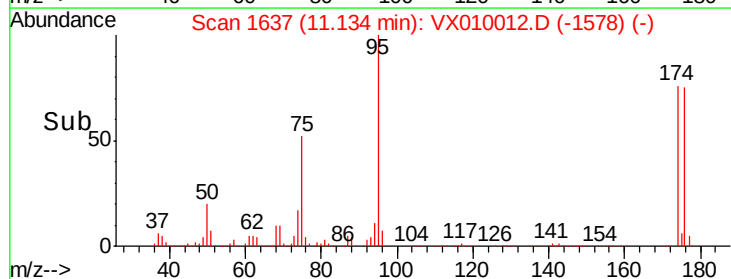
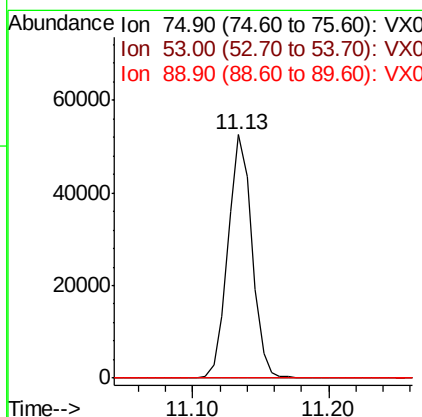
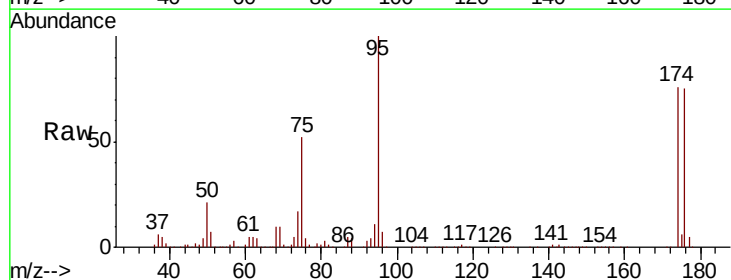
Instrument :
MSVOA_X
ClientSampleId :
LF012MW031-190529

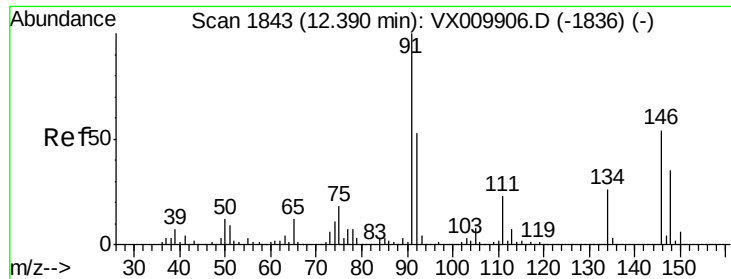
Tot Ion: 75 Resp: 64258
Ion Ratio Lower Upper
75 100
77 1.3 22.1 66.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.070 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010012.D
Acq: 01 Jun 2019 02:55

Tgt Ion: 75 Resp: 64258
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.0 34.2 51.4#





#91
 1,2-Dichlorobenzene
 Concen: 1.548 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010012.D
 Acq: 01 Jun 2019 02:55

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW031-190529

Tot Ion:146 Resp: 5953
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.1 63.1
 148 64.5 32.3 96.8

