

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009992.D
 Acq On : 31 May 2019 17:57
 Operator : JC/SP
 Sample : K3131-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW086-190530

Quant Time: Jun 01 04:44:50 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	178084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113491	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	123685	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.50	113	90522	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	8.71	98	366395	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	126277	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

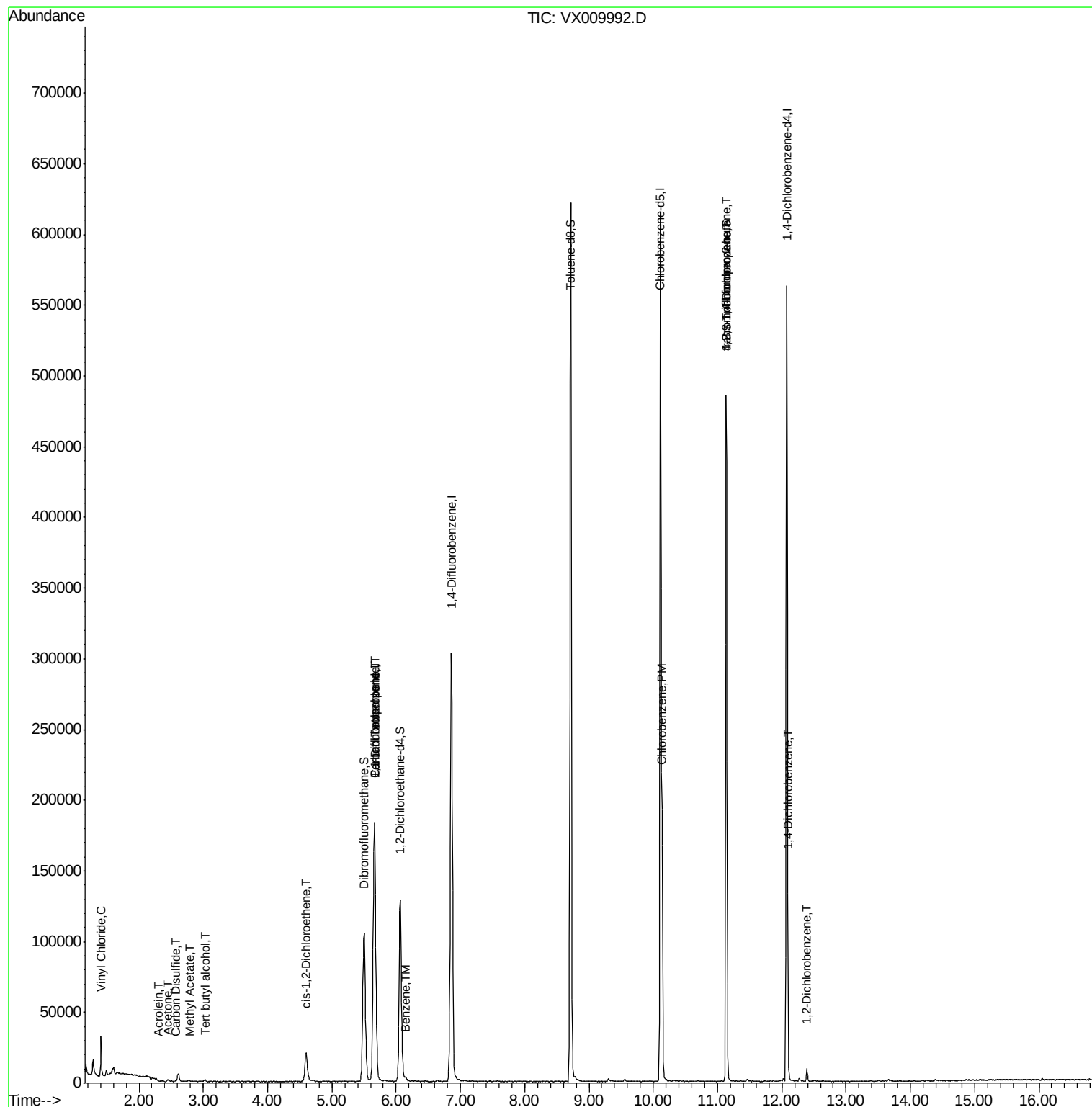
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	18474	7.005	ug/l	99
11) Tert butyl alcohol	3.03	59	807	1.304	ug/l	99
13) Acrolein	2.29	56	141	21.391	ug/l #	14
16) Acetone	2.45	43	1344	0.925	ug/l #	65
17) Carbon Disulfide	2.57	76	610	0.495	ug/l #	76
18) Methyl Acetate	2.78	43	1199	0.355	ug/l #	87
27) cis-1,2-Dichloroethene	4.60	96	12667	5.468	ug/l	89
36) 1,1-Dichloropropene	5.67	75	14352	4.904	ug/l #	51
38) Carbon Tetrachloride	5.67	117	16924	6.692	ug/l #	18
40) Benzene	6.14	78	2408	0.277	ug/l	92
65) Chlorobenzene	10.14	112	70583	12.979	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	64620	23.811	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64620	58.911	ug/l #	10
88) 1,4-Dichlorobenzene	12.10	146	8297	2.141	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	2707	0.723	ug/l	92

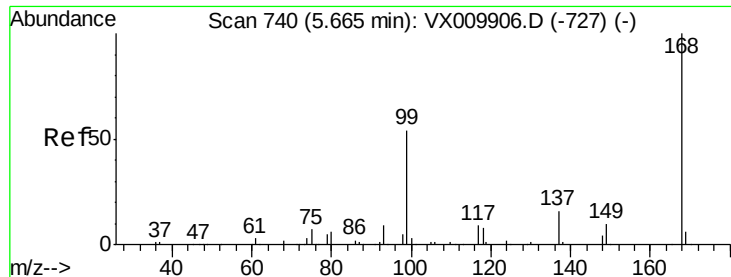
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

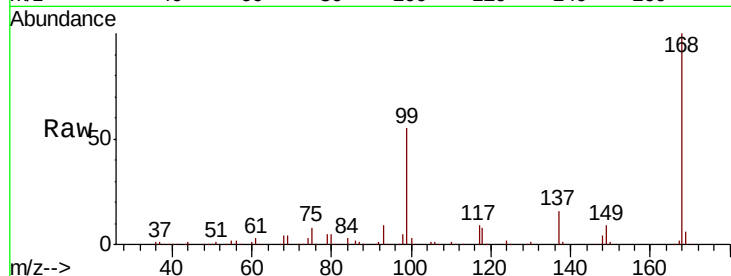
LF014MW086-190530

Tot Ion:168 Resp: 178084

Ion Ratio Lower Upper

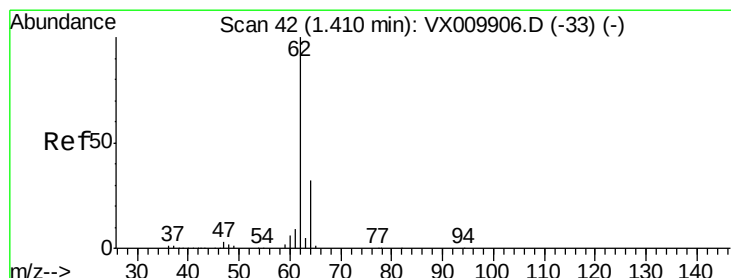
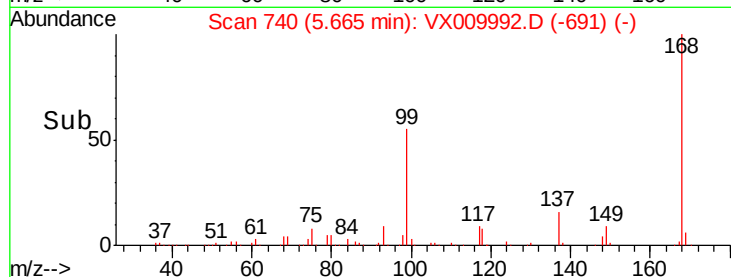
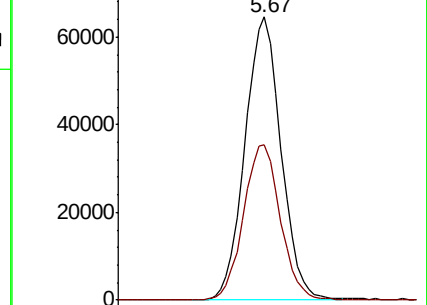
168 100

99 55.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 7.005 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009992.D

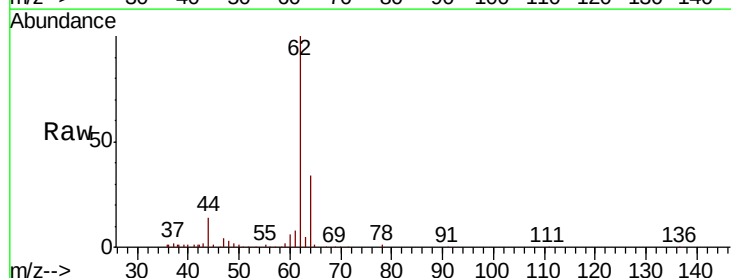
Acq: 31 May 2019 17:57

Tgt Ion: 62 Resp: 18474

Ion Ratio Lower Upper

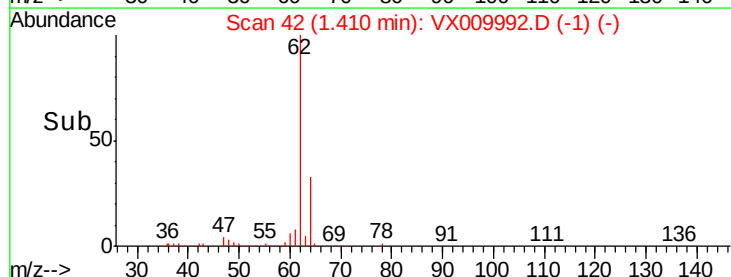
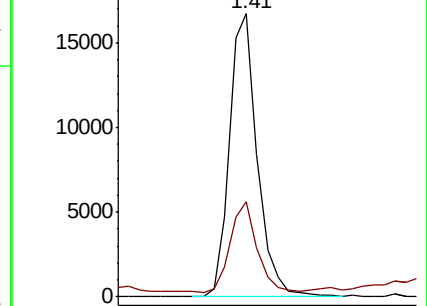
62 100

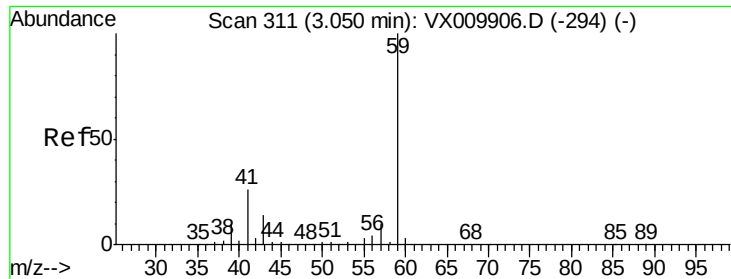
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

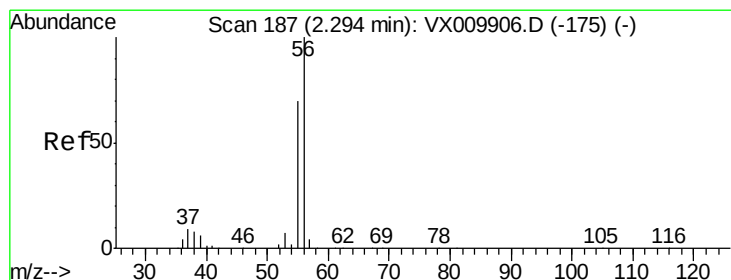
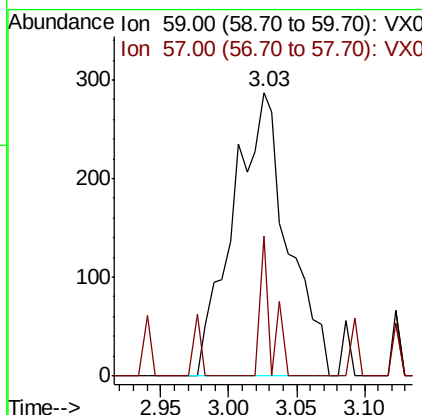
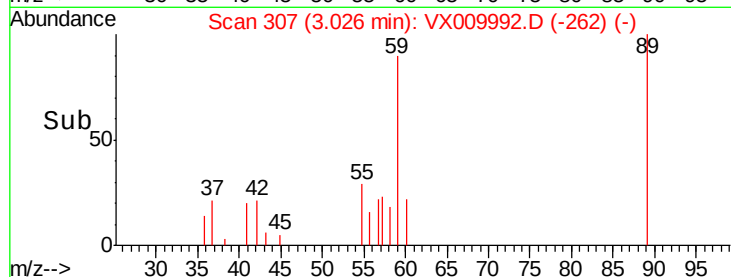
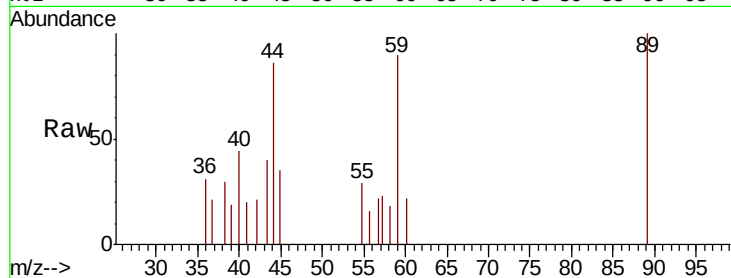




#11
Tert butyl alcohol
Concen: 1.304 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

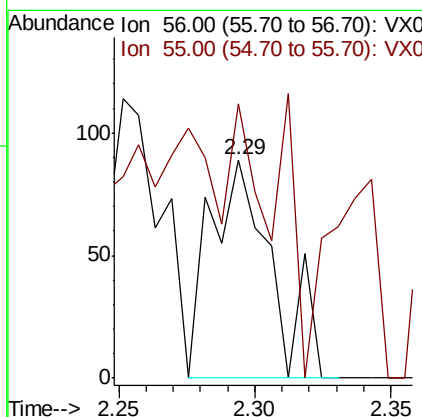
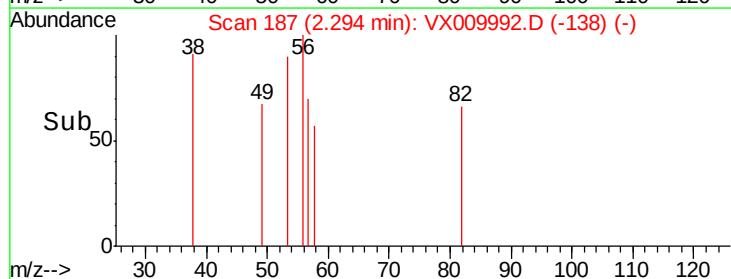
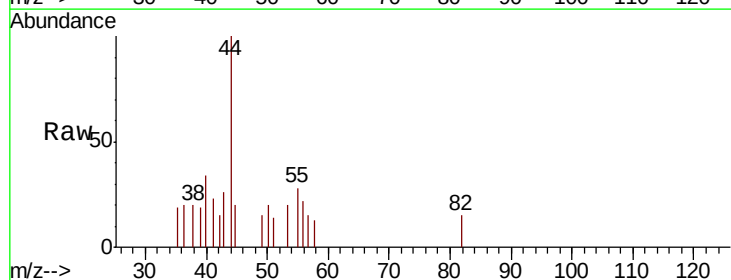
Instrument :
MSVOA_X
ClientSampleId :
LF014MW086-190530

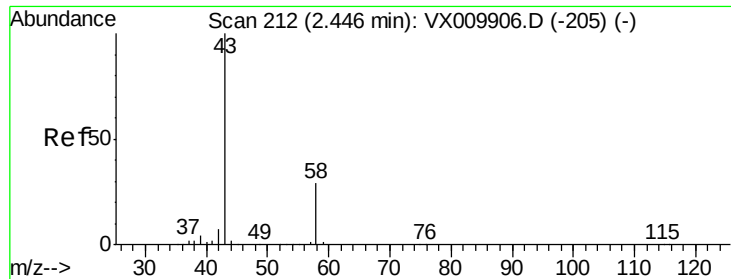
Tot Ion: 59 Resp: 807
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2



#13
Acrolein
Concen: 21.391 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.925 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

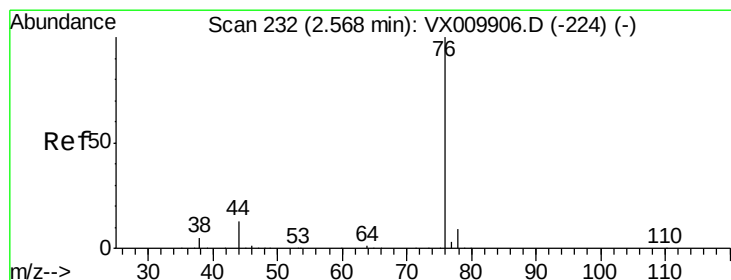
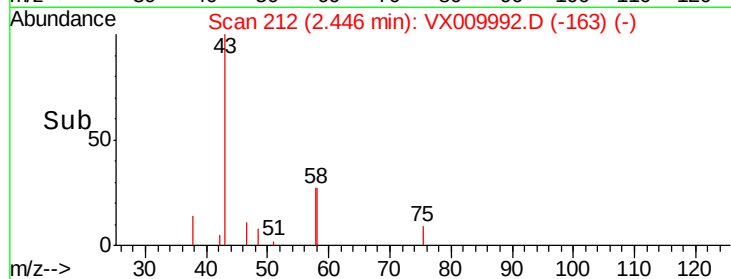
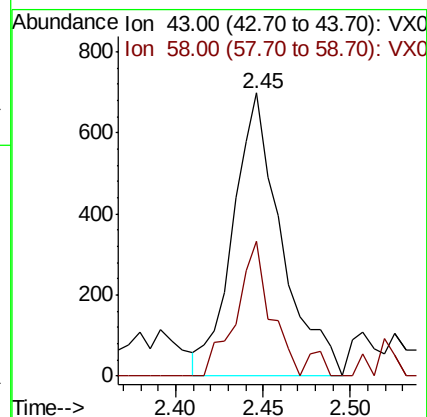
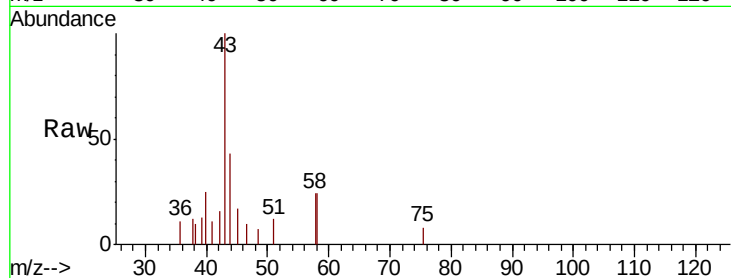
LF014MW086-190530

Tot Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

58 47.9 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.495 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009992.D

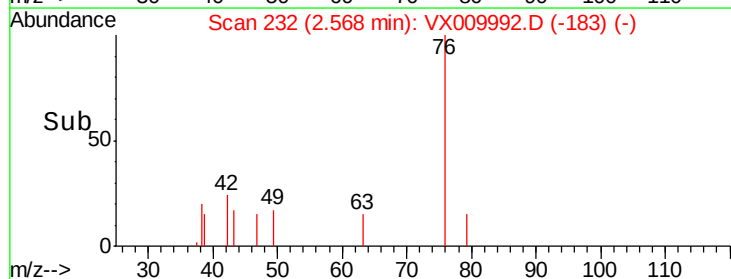
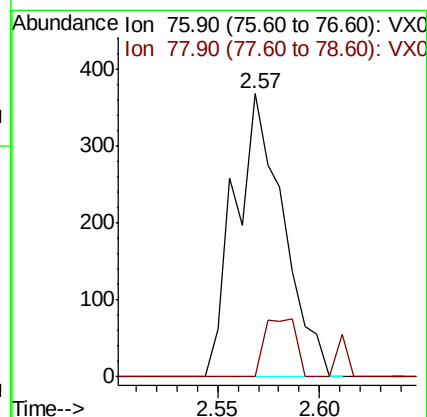
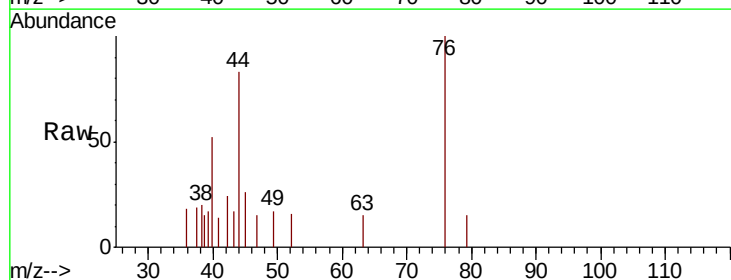
Acq: 31 May 2019 17:57

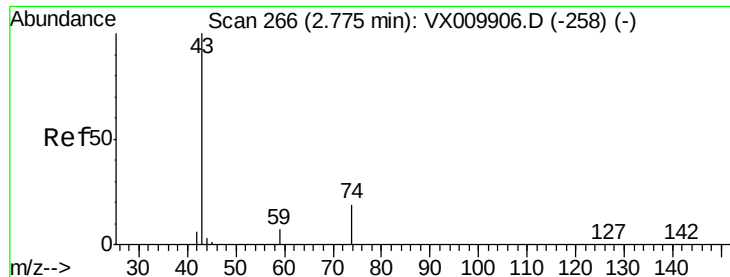
Tgt Ion: 76 Resp: 610

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

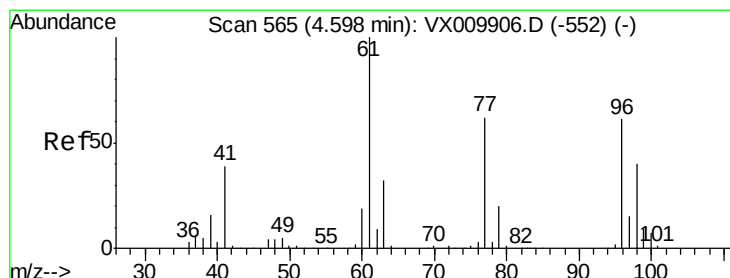
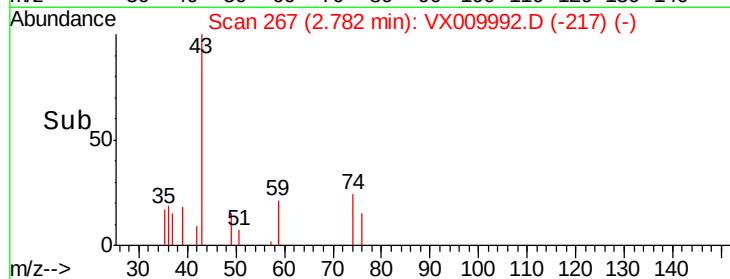
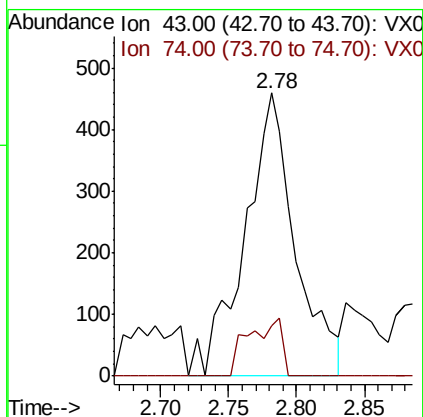
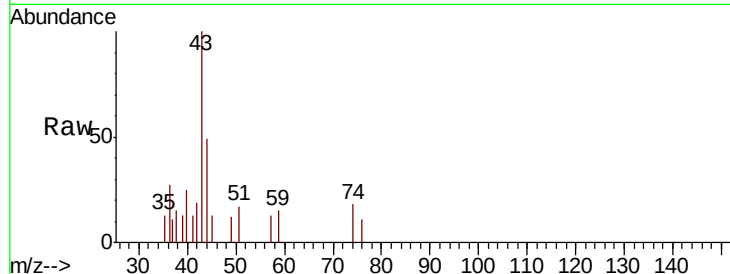




#18
Methvl Acetate
Concen: 0.355 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

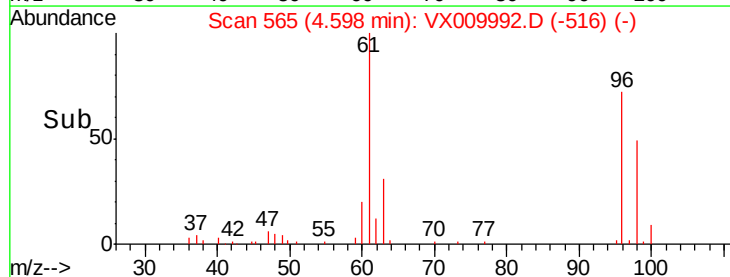
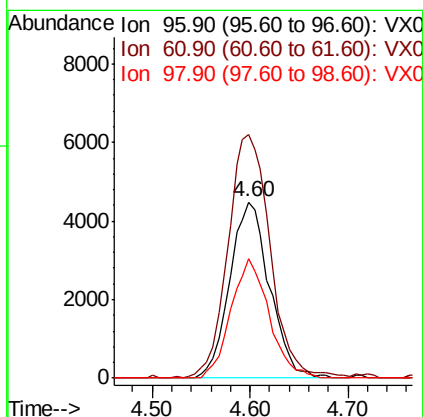
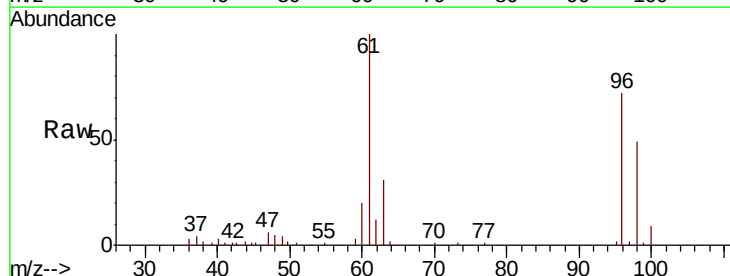
Instrument :
MSVOA_X
ClientSampleId :
LF014MW086-190530

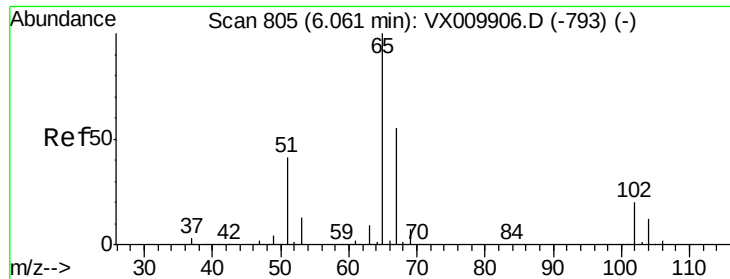
Tot Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
74 13.6 15.8 23.6#



#27
cis-1,2-Dichloroethene
Concen: 5.468 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

Tgt Ion: 96 Resp: 12667
Ion Ratio Lower Upper
96 100
61 146.8 0.0 334.0
98 64.8 0.0 131.6

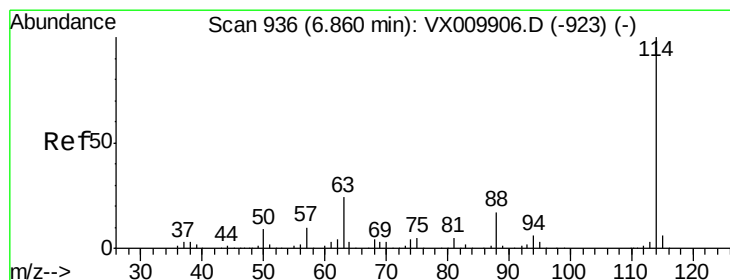
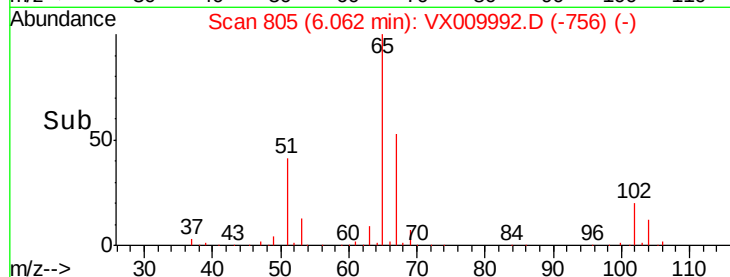
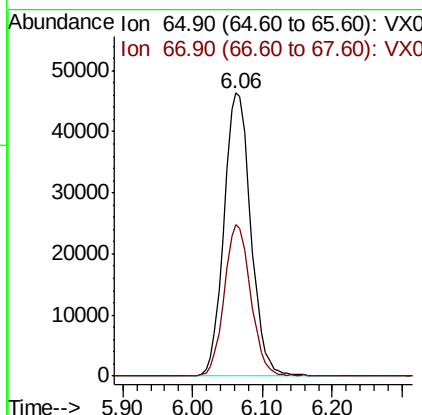
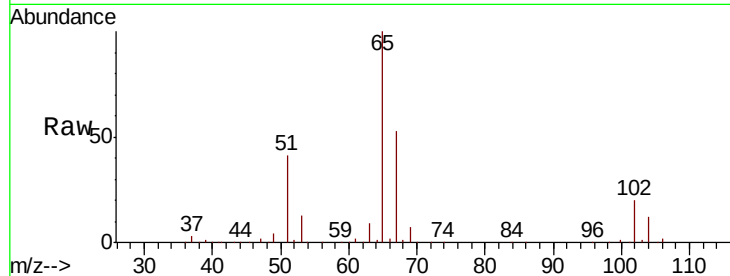




#33
 1,2-Dichloroethane-d4
 Concen: 49.167 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009992.D
 Acq: 31 May 2019 17:57

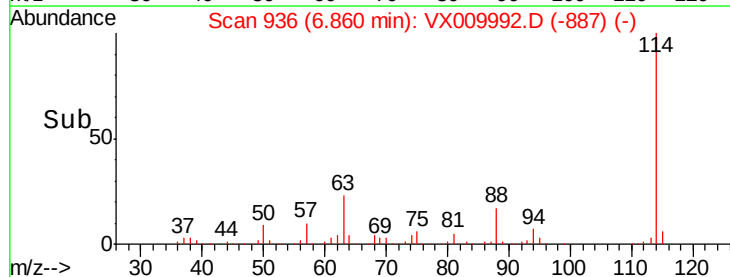
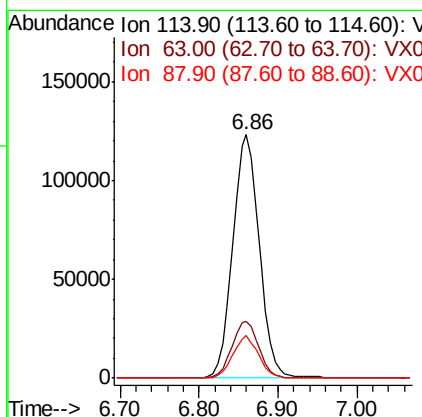
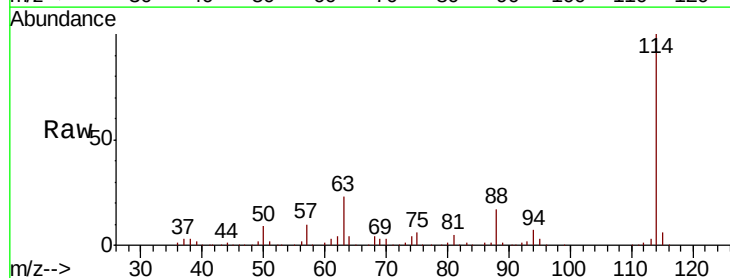
Instrument :
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 ClientSampleId :
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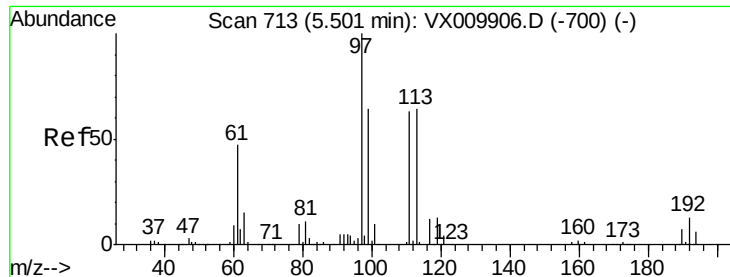
Tot Ion: 65 Resp: 123685
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009992.D
 Acq: 31 May 2019 17:57

Tgt Ion: 114 Resp: 288436
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.4
 88 17.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.918 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

LF014MW086-190530

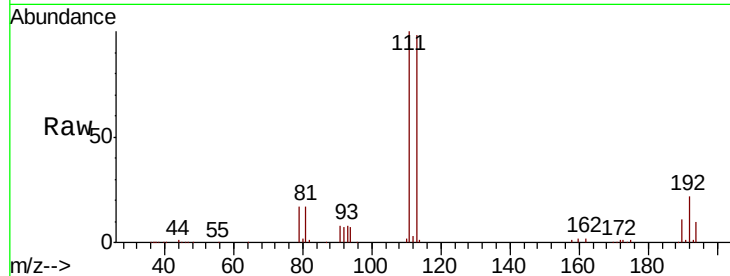
Tot Ion:113 Resp: 90522

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

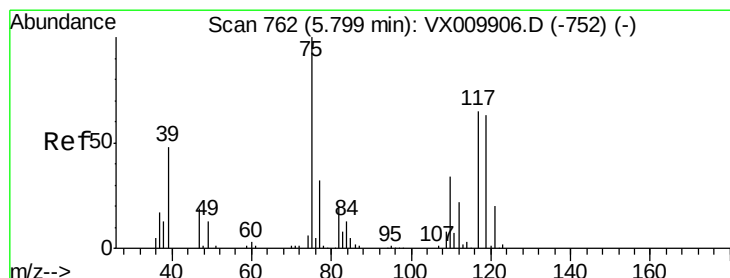
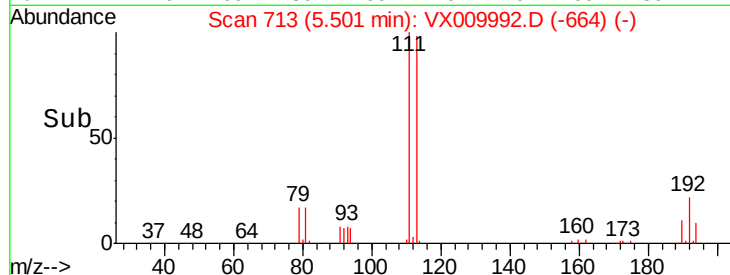
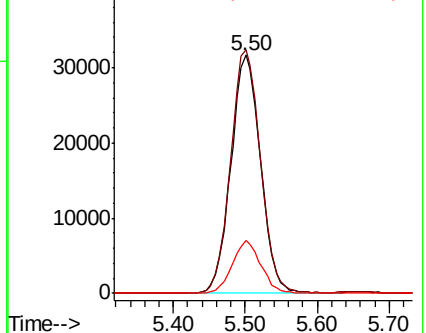
192 21.3 17.1 25.7



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: 4.904 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

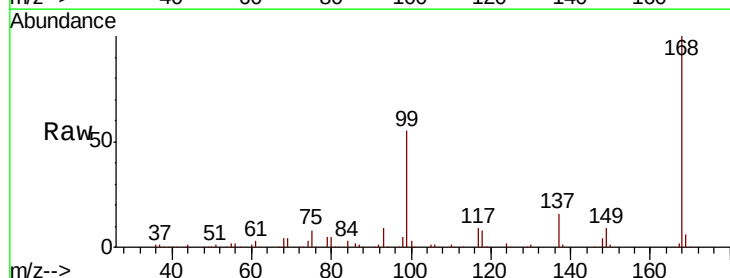
Tgt Ion: 75 Resp: 14352

Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

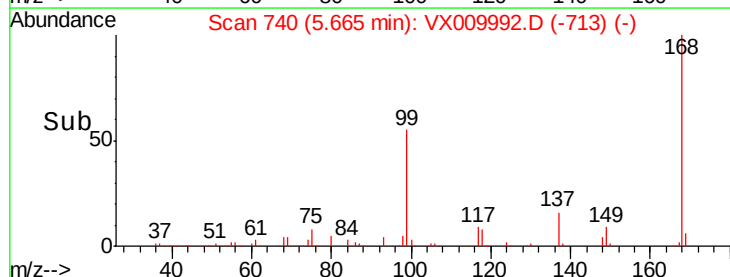
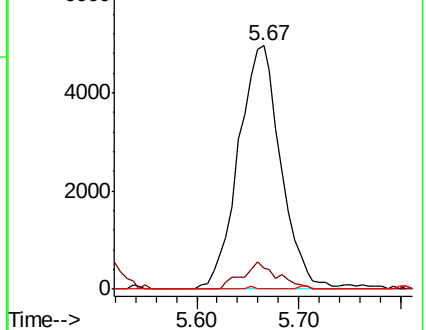
77 0.2 25.0 37.4#

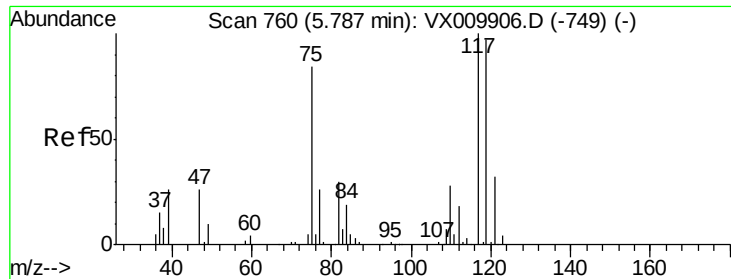


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.692 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

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ClientSampleId :

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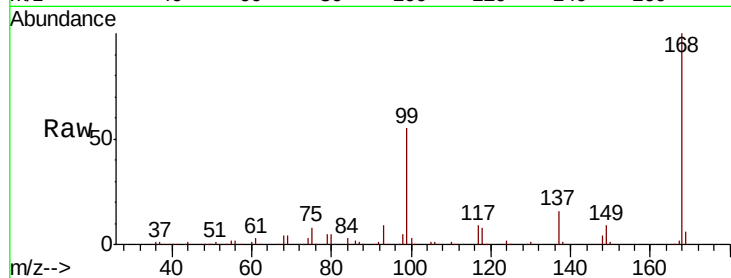
Tot Ion:117 Resp: 16924

Ion Ratio Lower Upper

117 100

119 8.8 77.3 115.9#

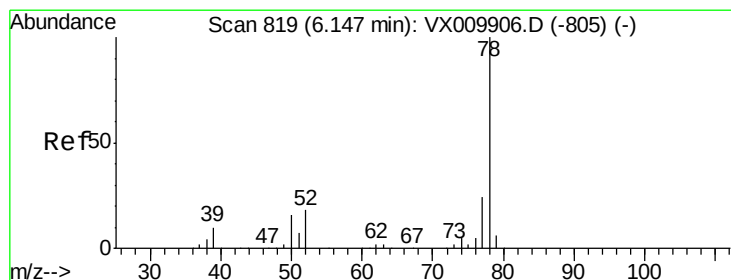
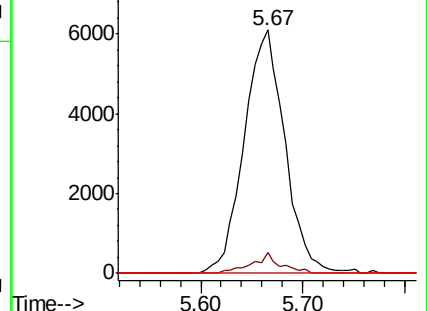
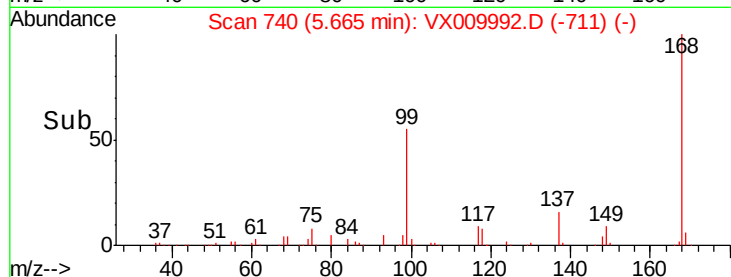
121 0.0 25.4 38.0#



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



#40

Benzene

Concen: 0.277 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX009992.D

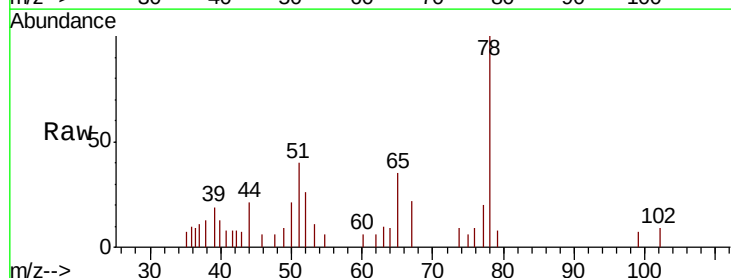
Acq: 31 May 2019 17:57

Tgt Ion: 78 Resp: 2408

Ion Ratio Lower Upper

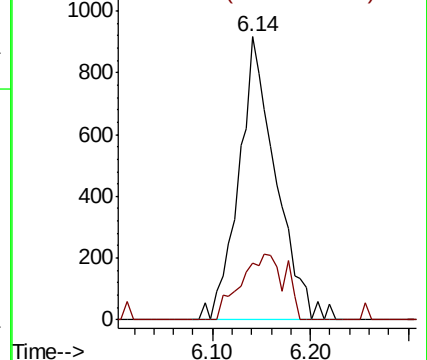
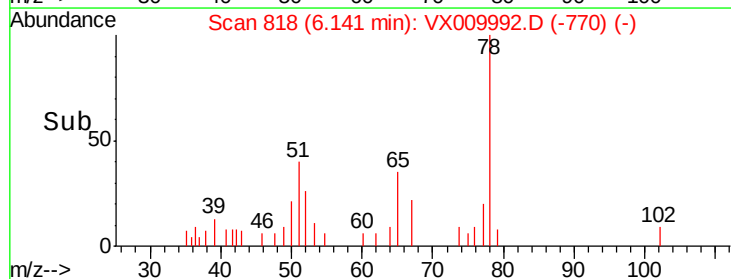
78 100

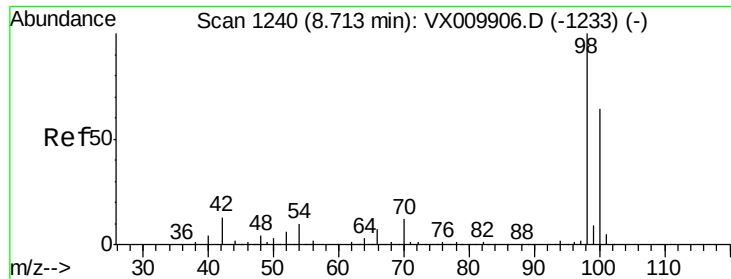
77 19.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.756 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

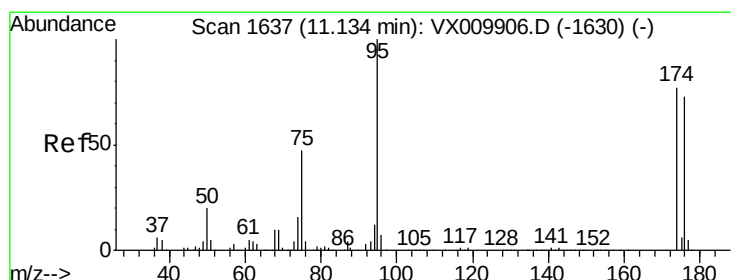
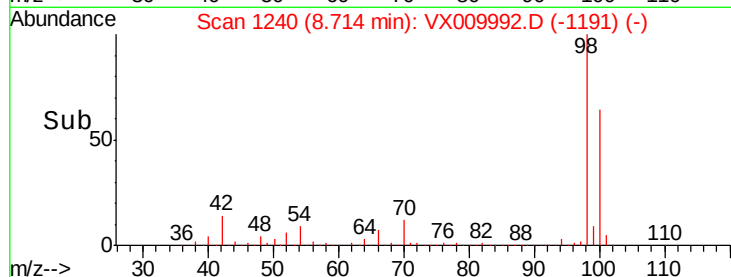
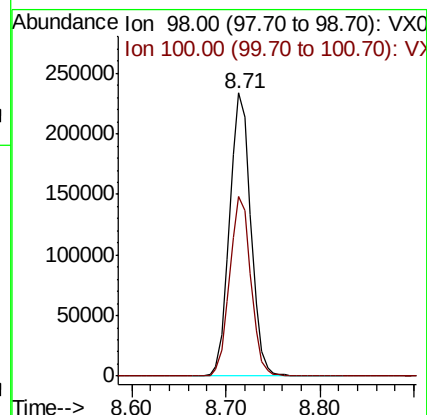
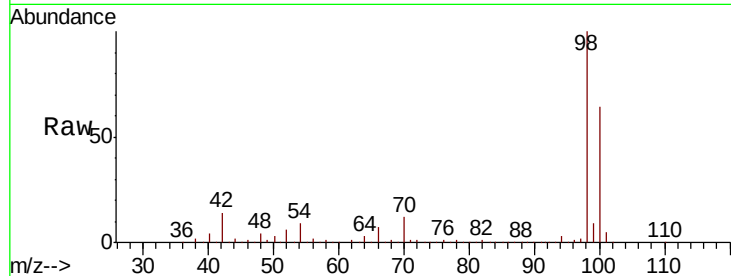
LF014MW086-190530

Tot Ion: 98 Resp: 366395

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 47.743 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

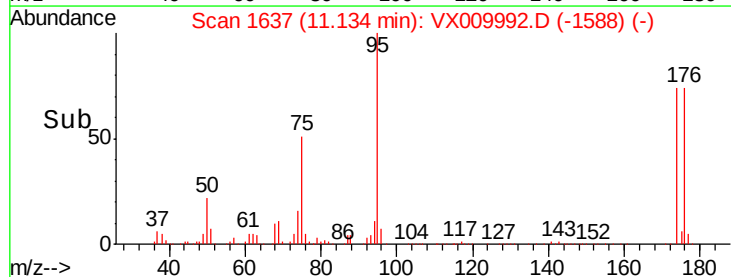
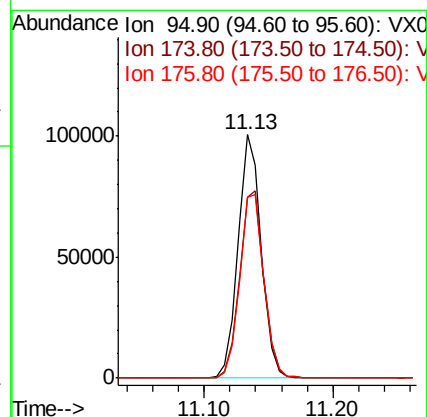
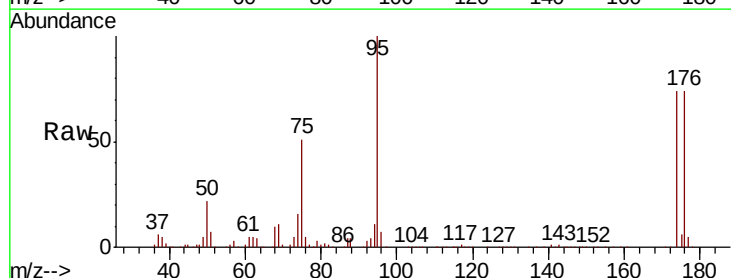
Tgt Ion: 95 Resp: 126277

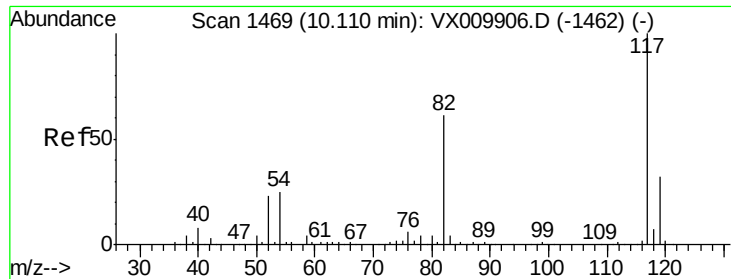
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 78.7 0.0 154.6

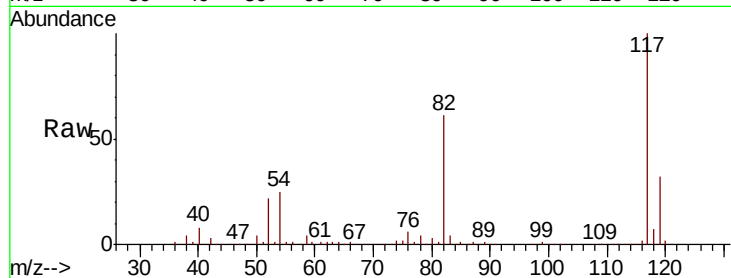




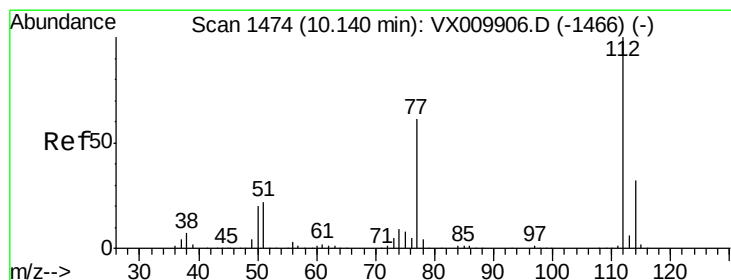
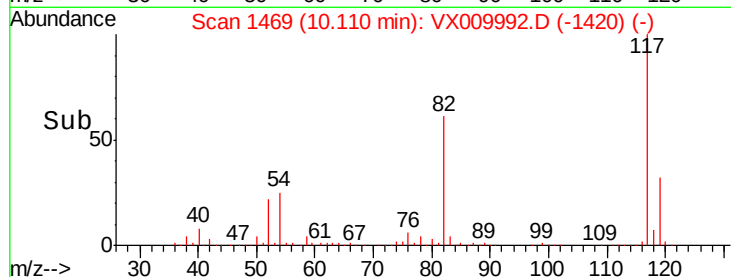
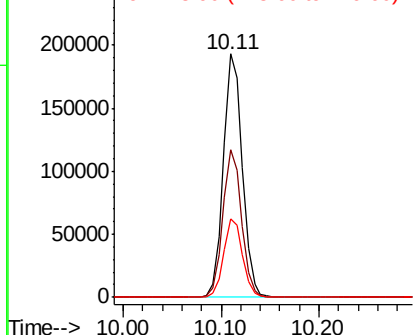
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

Instrument :
MSVOA_X
ClientSampleId :
LF014MW086-190530

Tot Ion:117 Resp: 259766
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 32.2 25.2 37.8

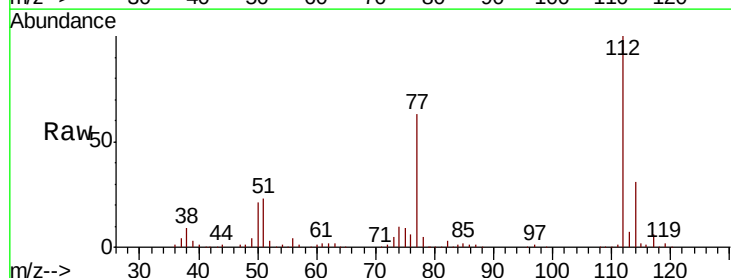


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

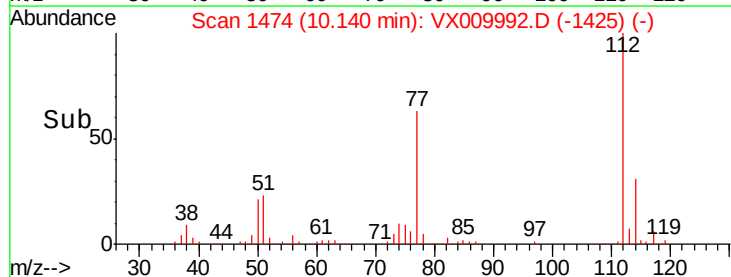
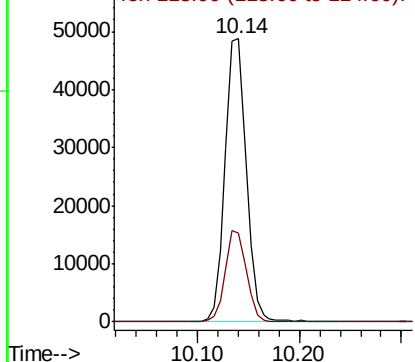


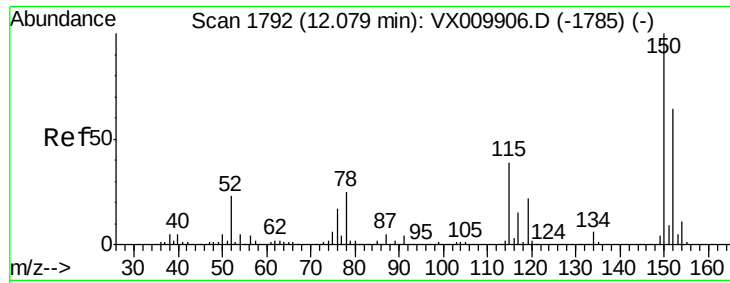
#65
Chlorobenzene
Concen: 12.979 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009992.D
Acq: 31 May 2019 17:57

Tgt Ion:112 Resp: 70583
Ion Ratio Lower Upper
112 100
114 31.2 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: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

LF014MW086-190530

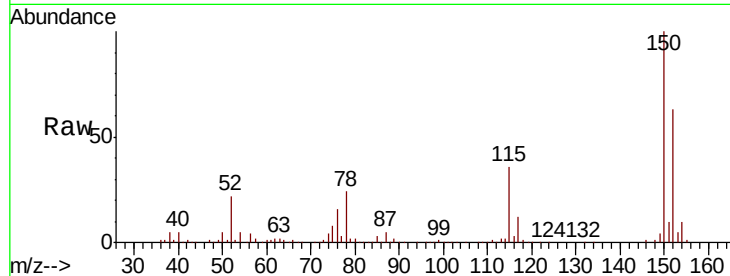
Tot Ion:152 Resp: 113491

Ion Ratio Lower Upper

152 100

115 58.9 41.4 124.2

150 157.0 0.0 345.2

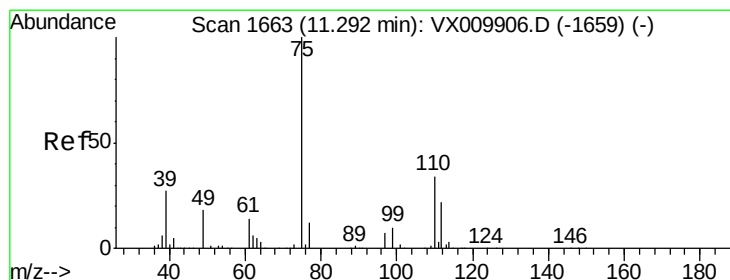
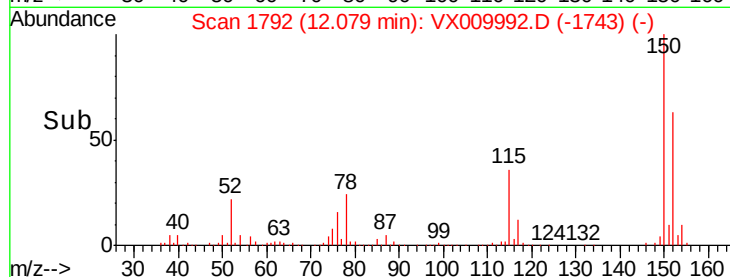
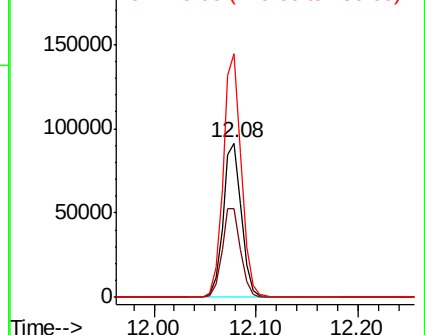


Abundance

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: 23.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009992.D

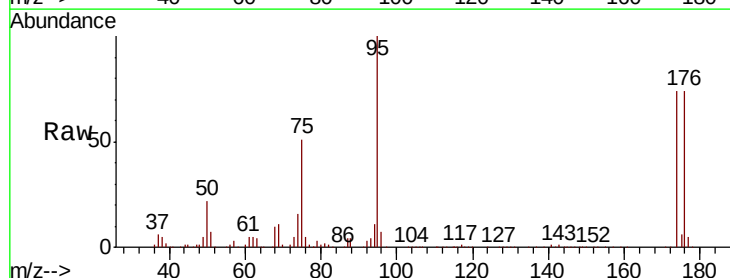
Acq: 31 May 2019 17:57

Tgt Ion: 75 Resp: 64620

Ion Ratio Lower Upper

75 100

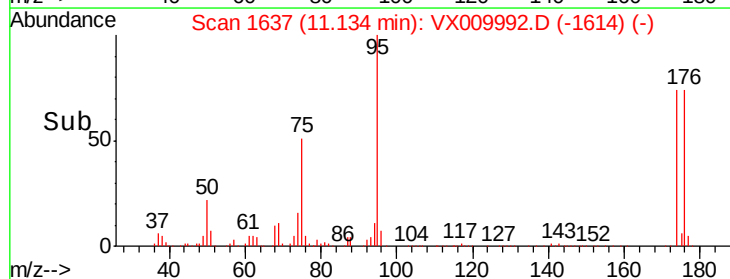
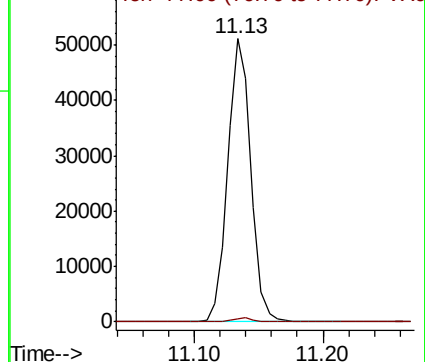
77 1.4 22.1 66.1#

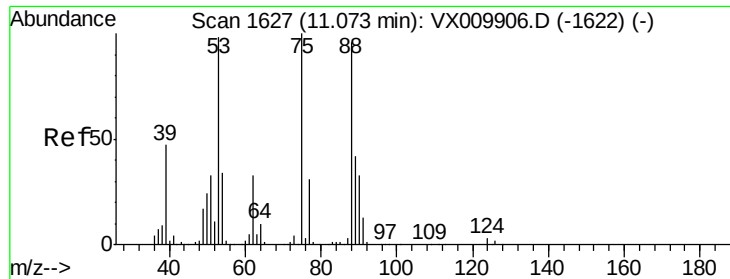


Abundance

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: 58.911 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

Instrument :

MSVOA_X

ClientSampleId :

LF014MW086-190530

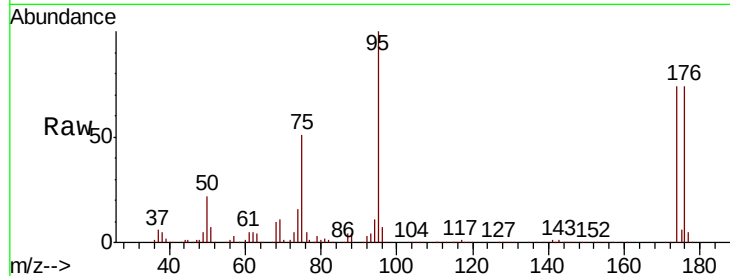
Tot Ion: 75 Resp: 64620

Ion Ratio Lower Upper

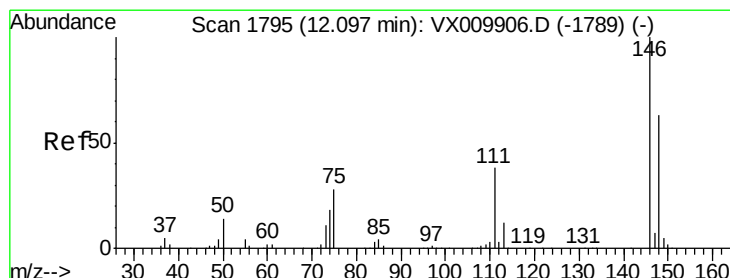
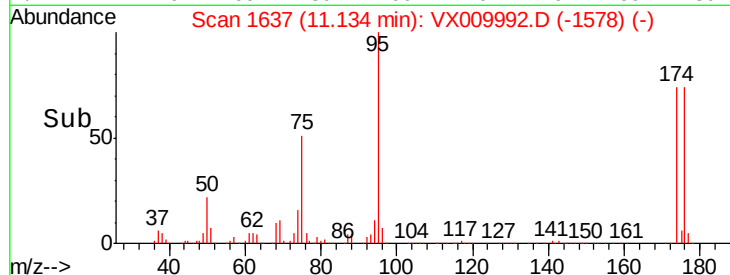
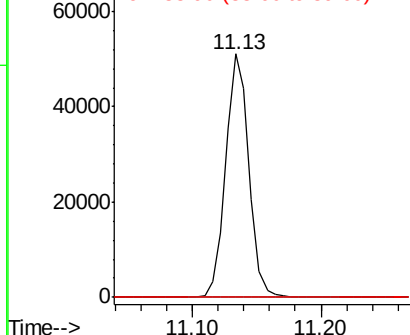
75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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



#88

1,4-Dichlorobenzene

Concen: 2.141 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009992.D

Acq: 31 May 2019 17:57

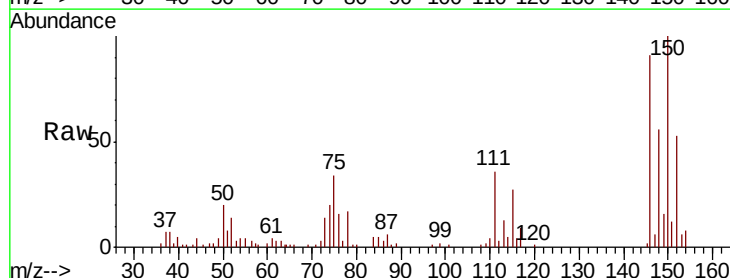
Tgt Ion:146 Resp: 8297

Ion Ratio Lower Upper

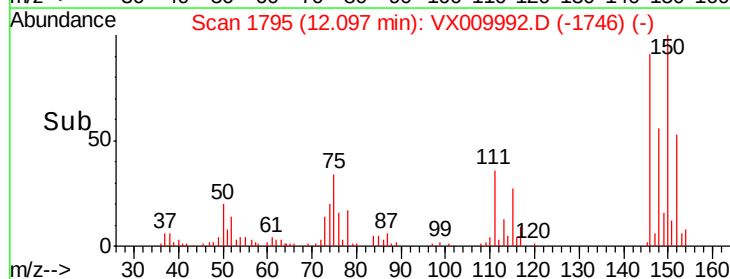
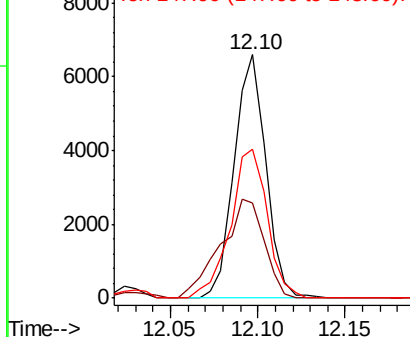
146 100

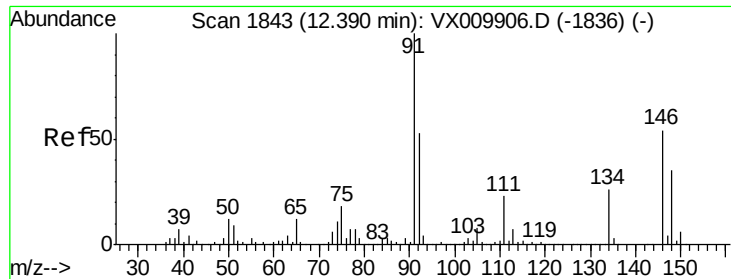
111 55.5 20.0 59.9

148 71.2 32.3 96.9



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





#91
 1,2-Dichlorobenzene
 Concen: 0.723 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009992.D
 Acq: 31 May 2019 17:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW086-190530

Tot Ion:146 Resp: 2707
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.1 63.1
 148 56.7 32.3 96.8

