

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010018.D
 Acq On : 01 Jun 2019 05:15
 Operator : JC/SP
 Sample : K3129-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012RW162-190529

Quant Time: Jun 01 06:20:16 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	5.66	168	170521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271016	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	113635	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
35) Dibromofluoromethane	5.50	113	83979	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.71	98	343519	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	118370	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	

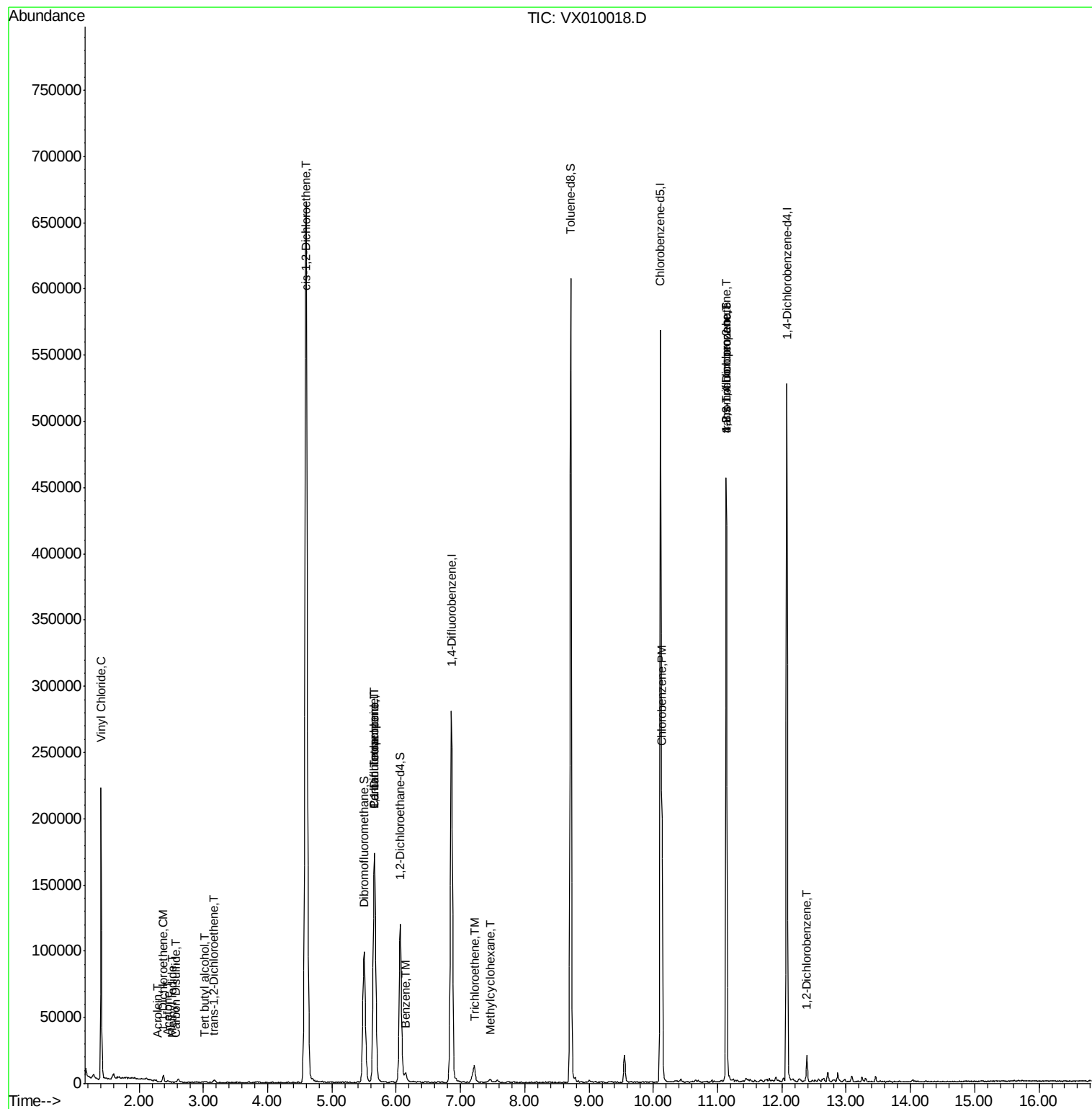
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	148804	58.925	ug/l	99
10) Methyl Iodide	2.53	142	20	4.665	ug/l #	42
11) Tert butyl alcohol	3.01	59	346	0.584	ug/l #	90
12) 1,1-Dichloroethene	2.38	96	1696	0.982	ug/l	91
13) Acrolein	2.29	56	21	21.143	ug/l #	1
16) Acetone	2.45	43	880	0.632	ug/l	95
17) Carbon Disulfide	2.57	76	403	0.461	ug/l #	31
21) trans-1,2-Dichloroethene	3.17	96	634	0.330	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	411917	185.713	ug/l	86
36) 1,1-Dichloropropene	5.66	75	13257	4.821	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16044	6.752	ug/l #	15
39) Methylcyclohexane	7.46	83	882	0.270	ug/l #	66
40) Benzene	6.15	78	7309	0.896	ug/l	97
44) Trichloroethene	7.21	130	4507	2.275	ug/l	99
65) Chlorobenzene	10.13	112	72754	14.140	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	60129	22.946	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60129	56.773	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	5588	1.545	ug/l	94

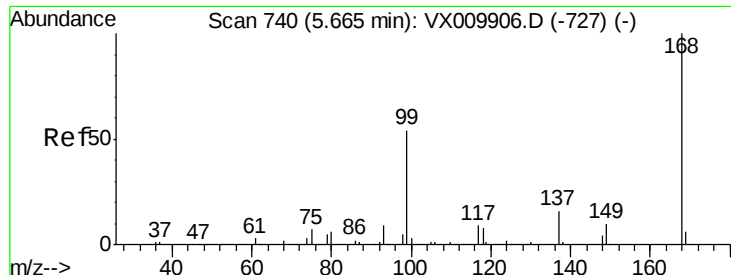
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

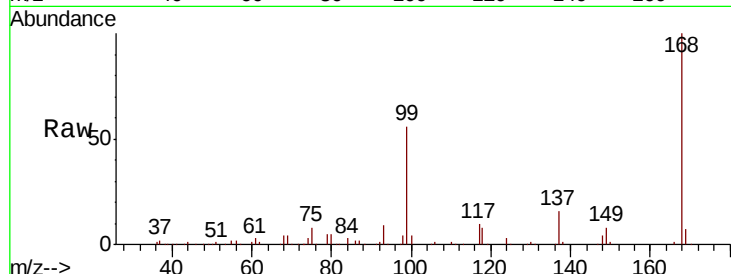
LF012RW162-190529

Tot Ion:168 Resp: 170521

Ion Ratio Lower Upper

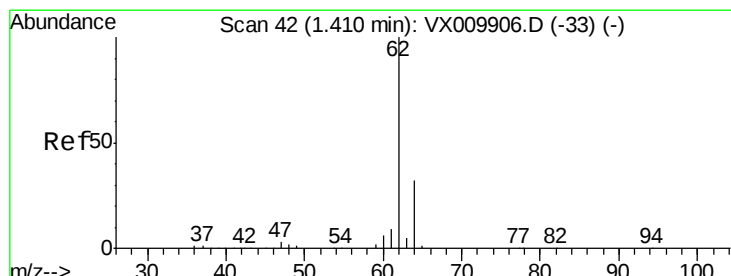
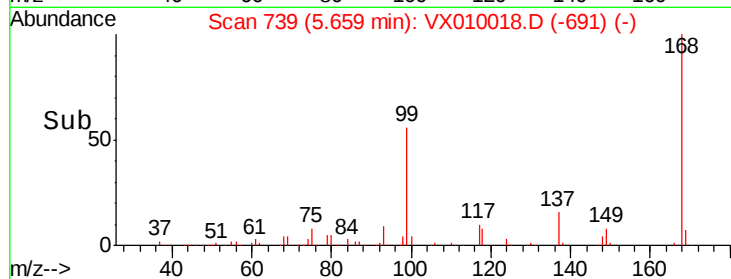
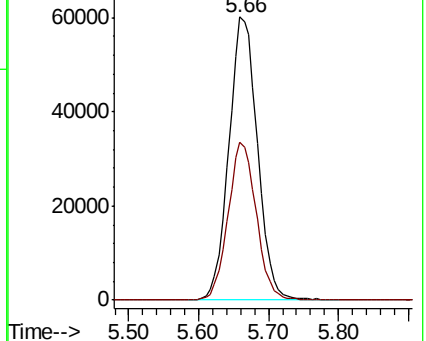
168 100

99 55.7 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: 58.925 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010018.D

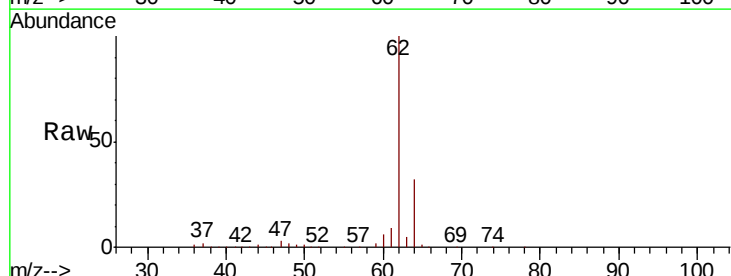
Acq: 01 Jun 2019 05:15

Tgt Ion: 62 Resp: 148804

Ion Ratio Lower Upper

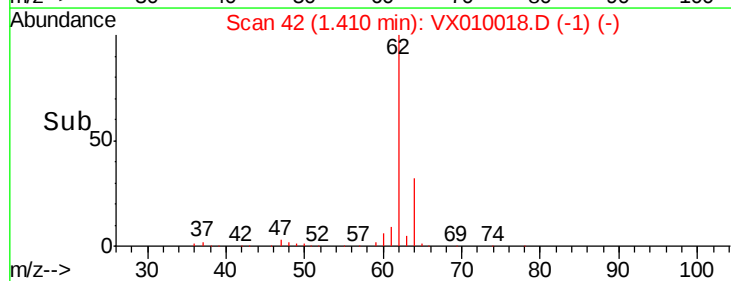
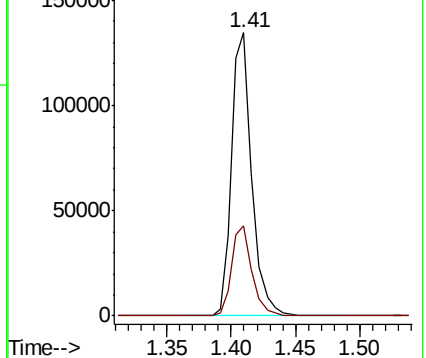
62 100

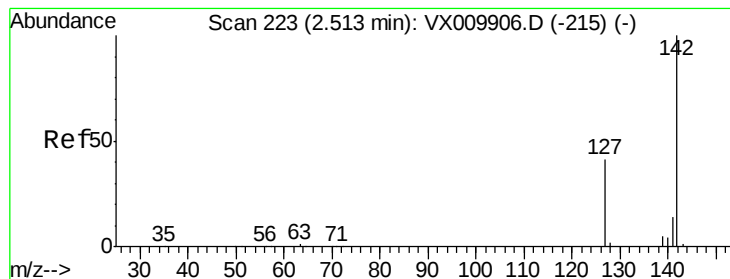
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#10

Methyl Iodide

Concen: 4.665 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

LF012RW162-190529

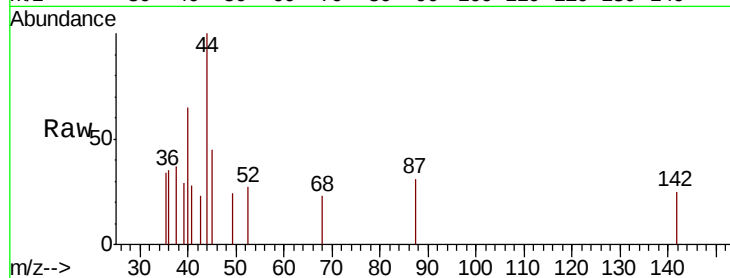
Tot Ion:142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

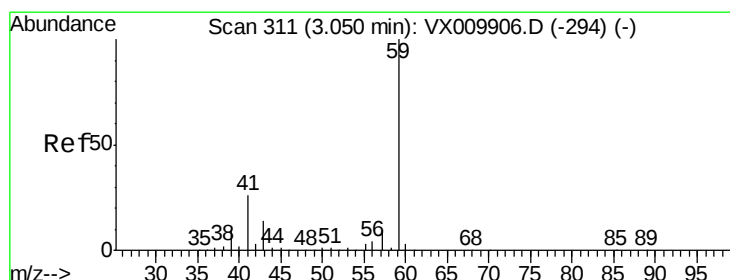
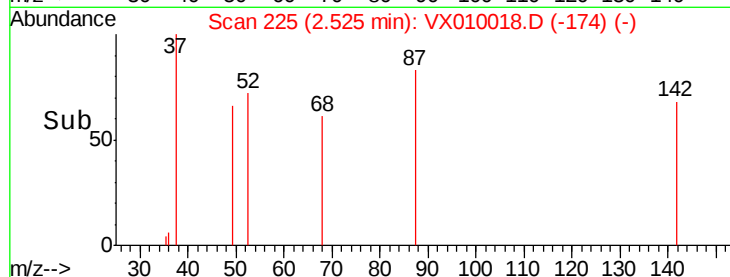
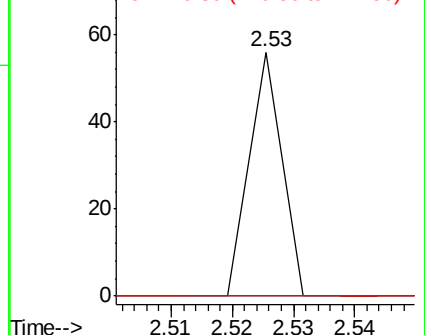
141 0.0 11.4 17.0#



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: 0.584 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010018.D

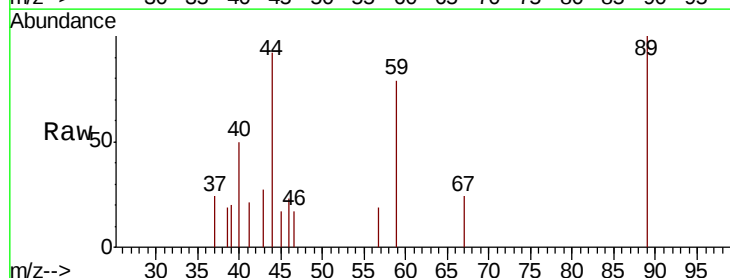
Acq: 01 Jun 2019 05:15

Tgt Ion: 59 Resp: 346

Ion Ratio Lower Upper

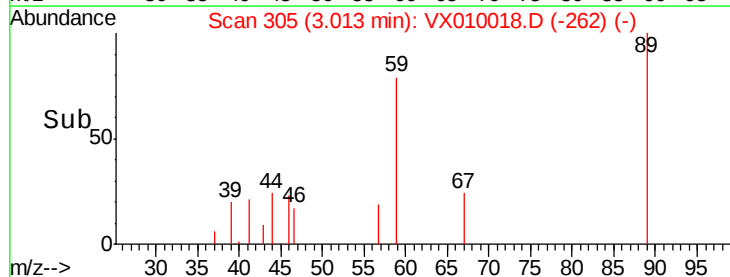
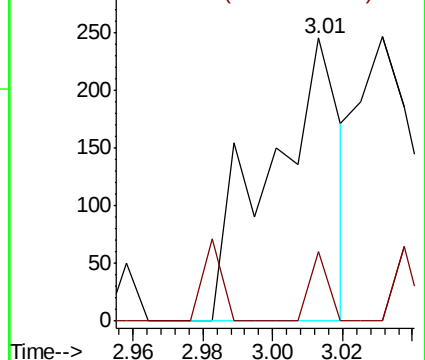
59 100

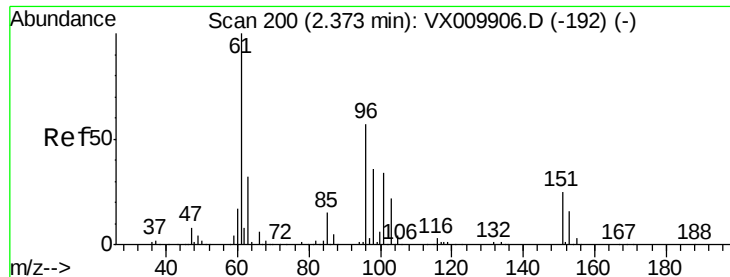
57 6.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.982 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

LF012RW162-190529

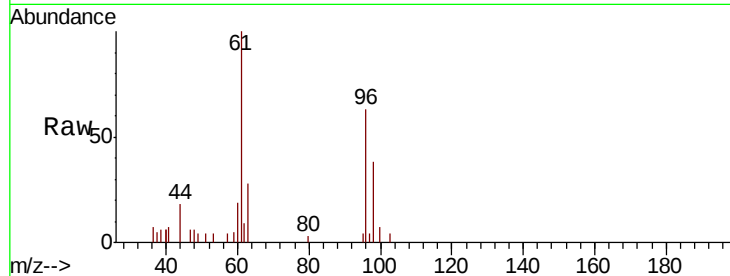
Tot Ion: 96 Resp: 1696

Ion Ratio Lower Upper

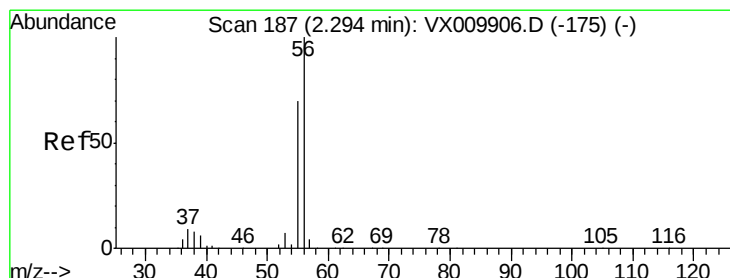
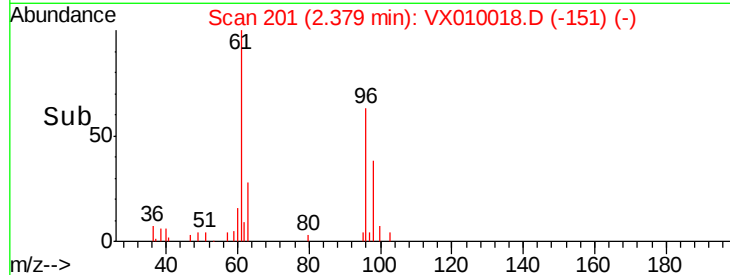
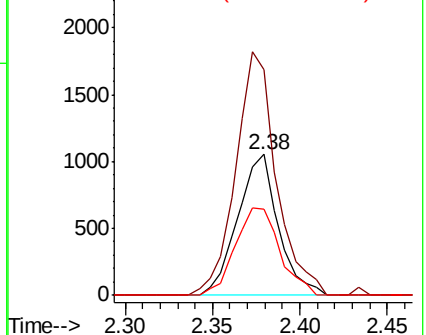
96 100

61 160.0 140.7 211.1

98 60.9 50.1 75.1



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



#13

Acrolein

Concen: 21.143 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010018.D

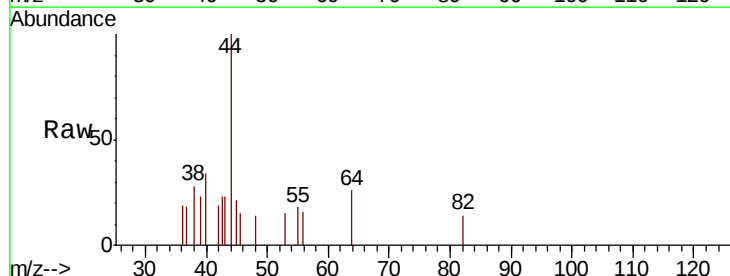
Acq: 01 Jun 2019 05:15

Tgt Ion: 56 Resp: 21

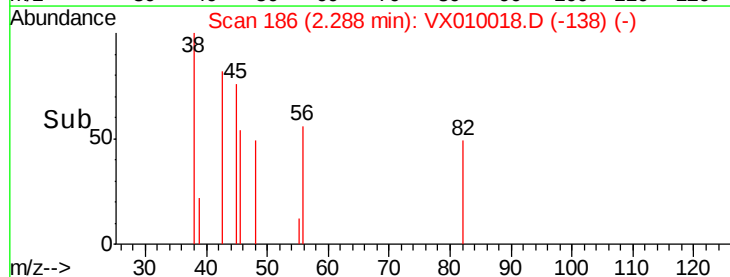
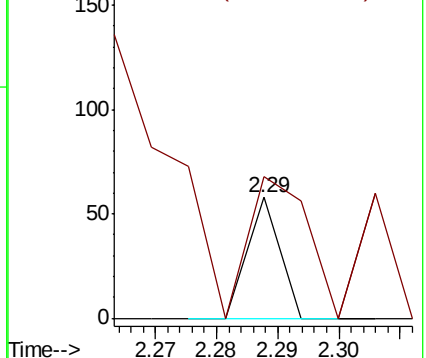
Ion Ratio Lower Upper

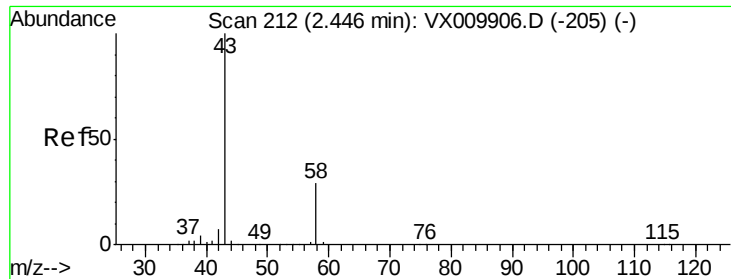
56 100

55 214.3 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.632 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

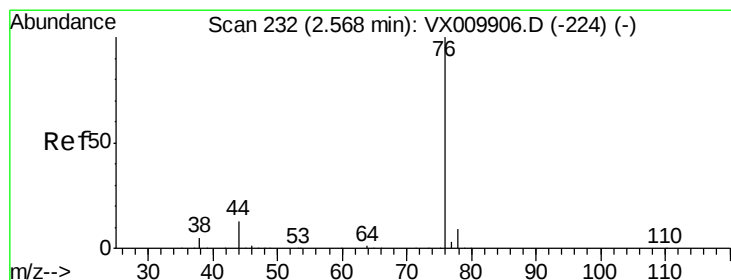
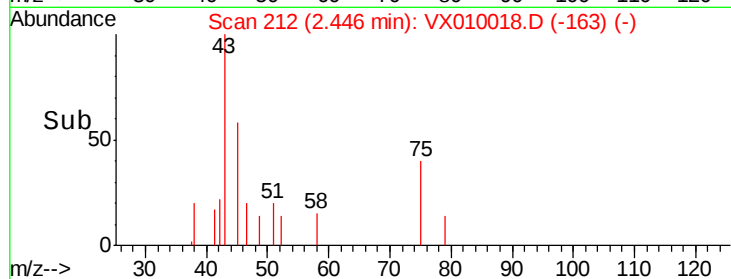
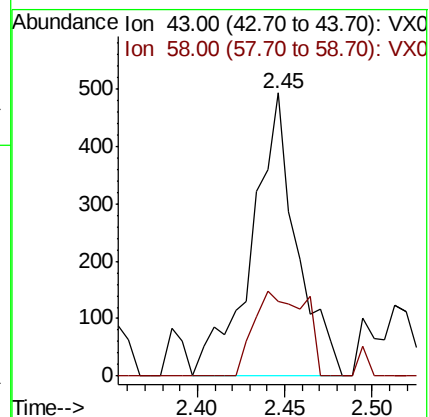
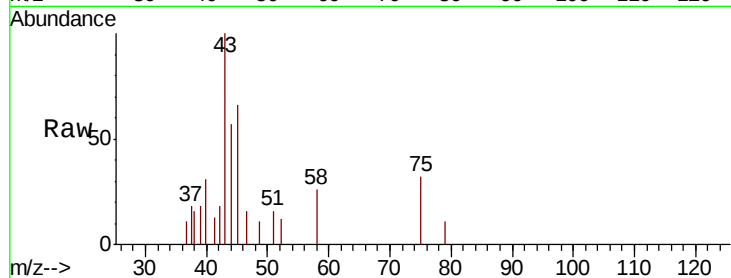
LF012RW162-190529

Tot Ion: 43 Resp: 880

Ion Ratio Lower Upper

43 100

58 26.4 23.2 34.8



#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010018.D

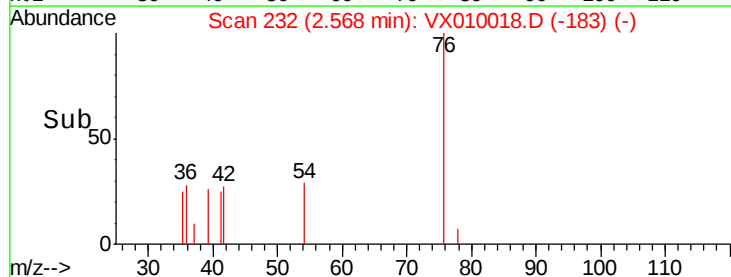
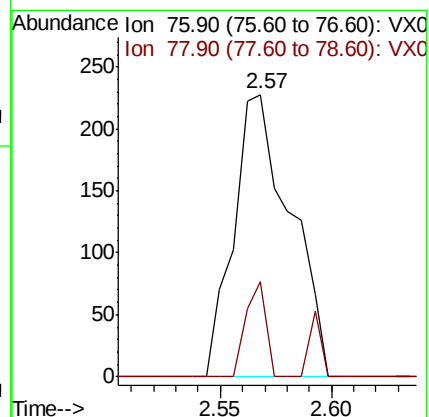
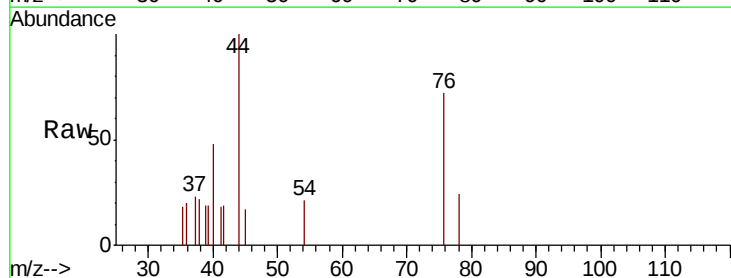
Acq: 01 Jun 2019 05:15

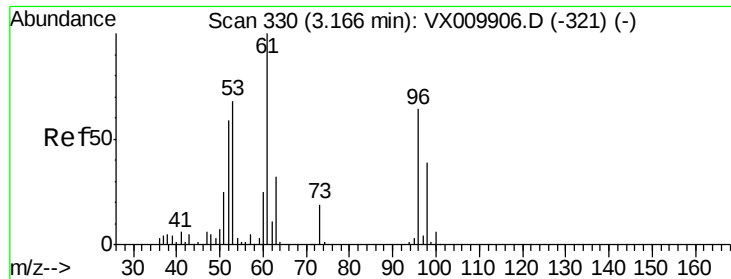
Tgt Ion: 76 Resp: 403

Ion Ratio Lower Upper

76 100

78 33.8 7.0 10.6#





#21

trans-1,2-Dichloroethene

Concen: 0.330 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

LF012RW162-190529

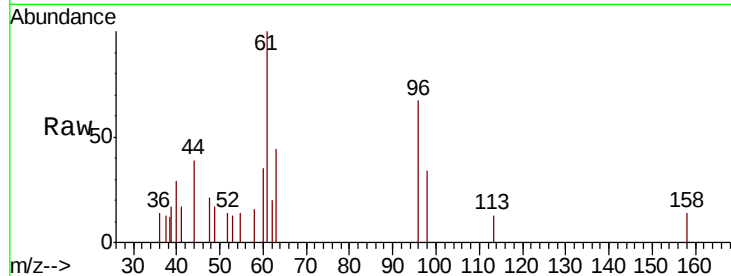
Tot Ion: 96 Resp: 634

Ion Ratio Lower Upper

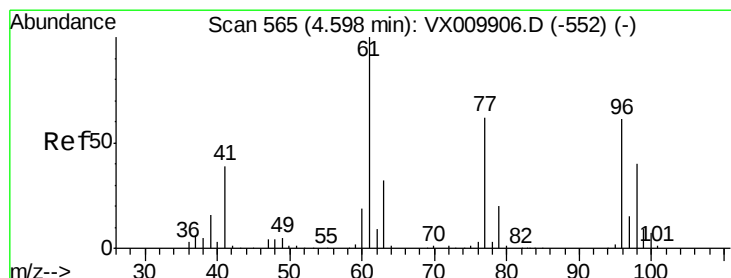
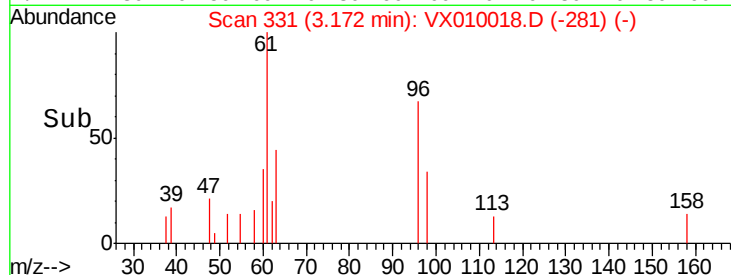
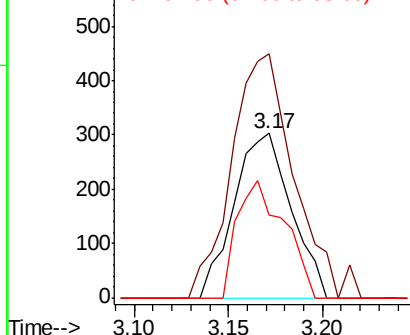
96 100

61 148.2 125.7 188.5

98 50.2 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



#27

cis-1,2-Dichloroethene

Concen: 185.713 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

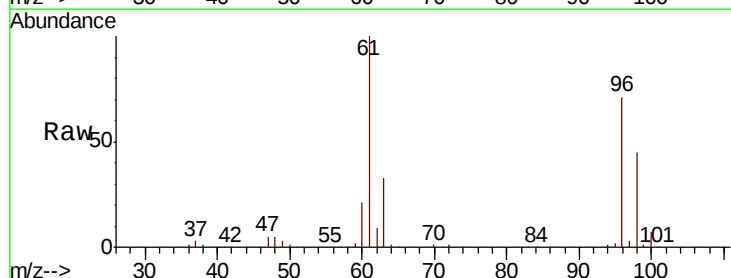
Tgt Ion: 96 Resp: 411917

Ion Ratio Lower Upper

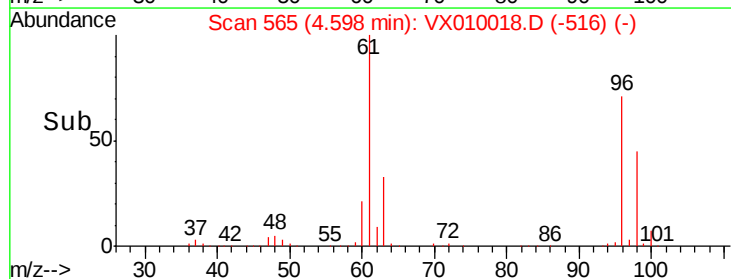
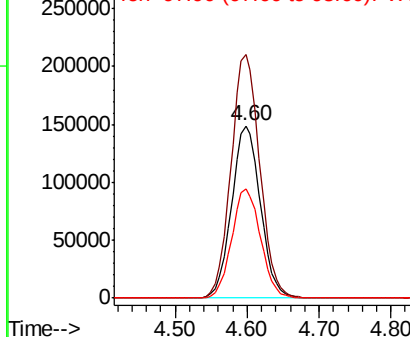
96 100

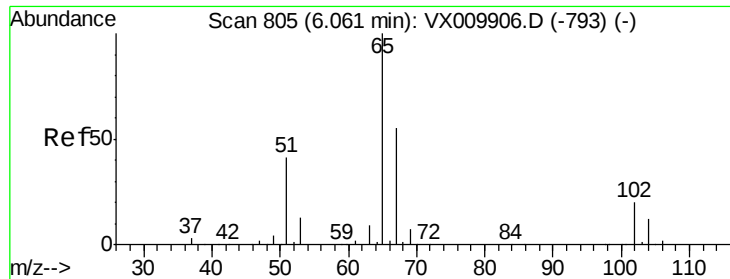
61 142.1 0.0 334.0

98 63.8 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





#33

1,2-Dichloroethane-d4

Concen: 47.176 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

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ClientSampleId :

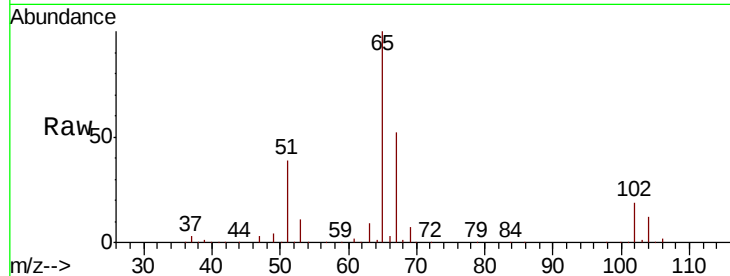
LF012RW162-190529

Tot Ion: 65 Resp: 113635

Ion Ratio Lower Upper

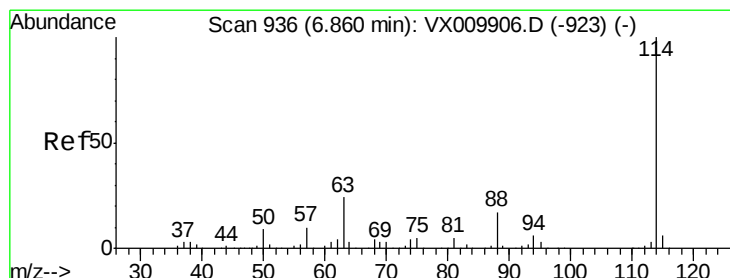
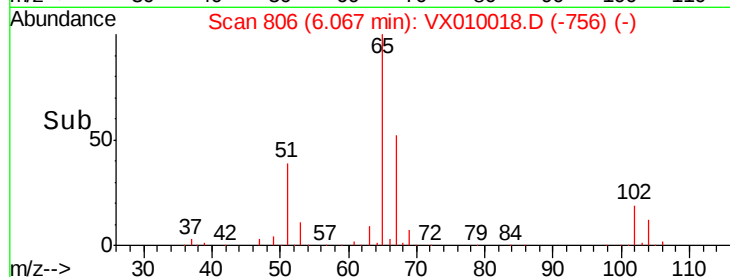
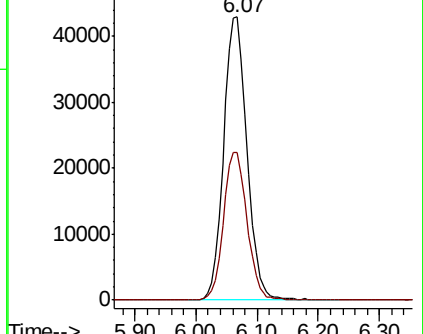
65 100

67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

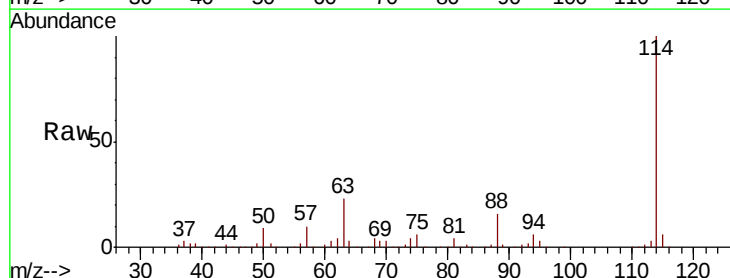
Tgt Ion: 114 Resp: 271016

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.4

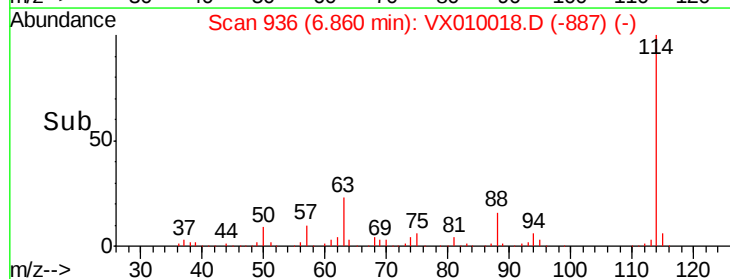
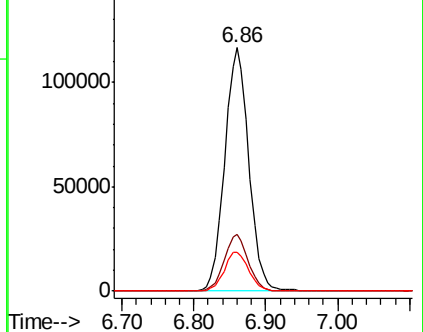
88 16.0 0.0 33.0

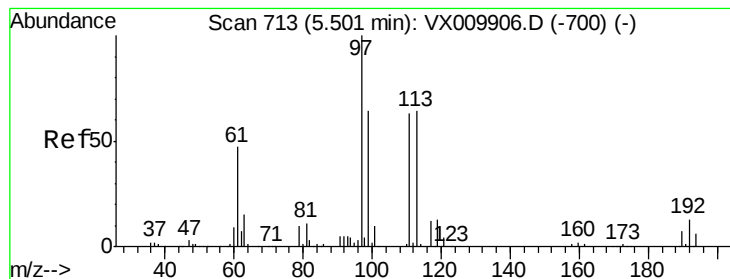


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.287 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

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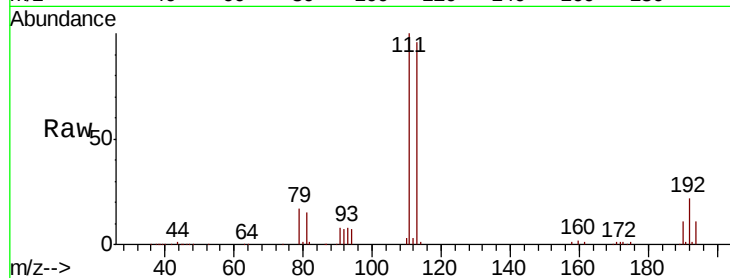
Tot Ion:113 Resp: 83979

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

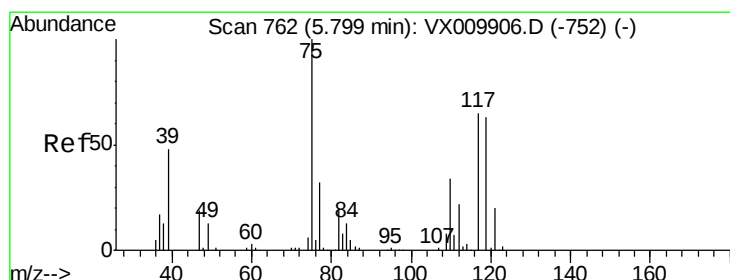
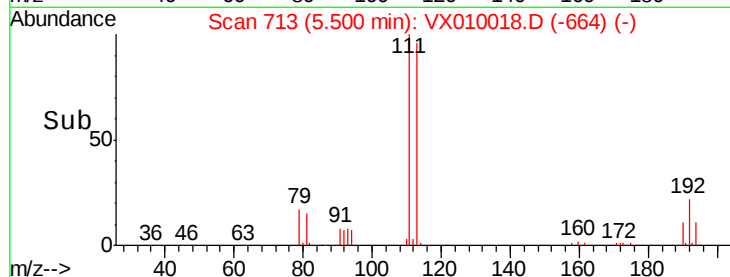
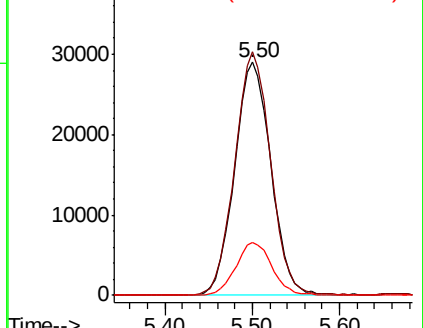
192 22.6 17.1 25.7



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: 4.821 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

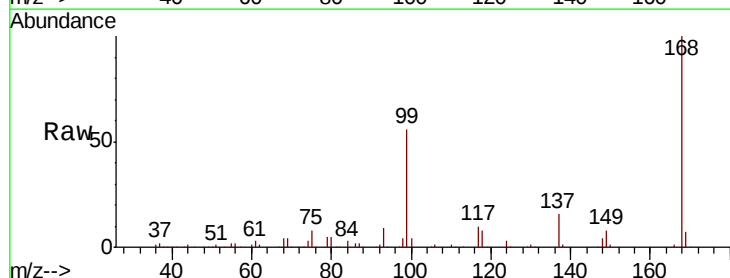
Tgt Ion: 75 Resp: 13257

Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.1#

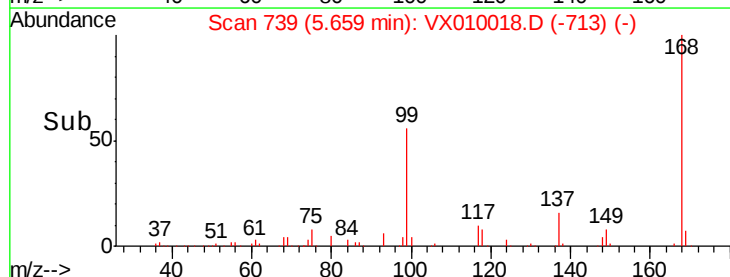
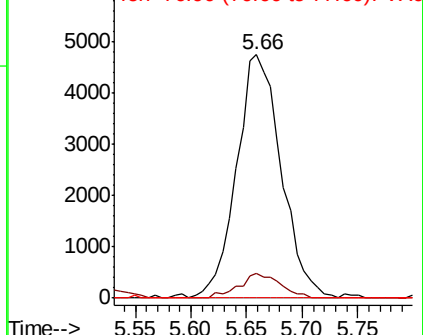
77 0.0 25.0 37.4#

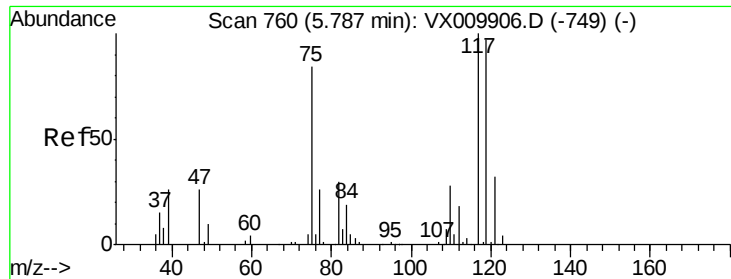


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

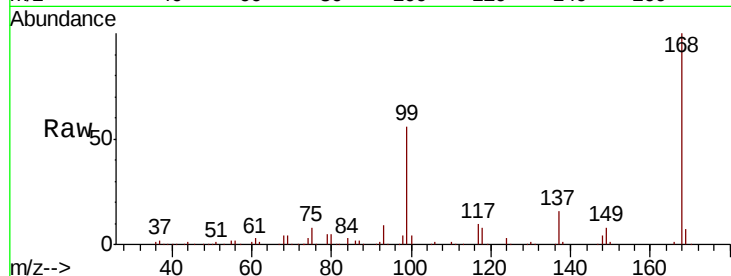




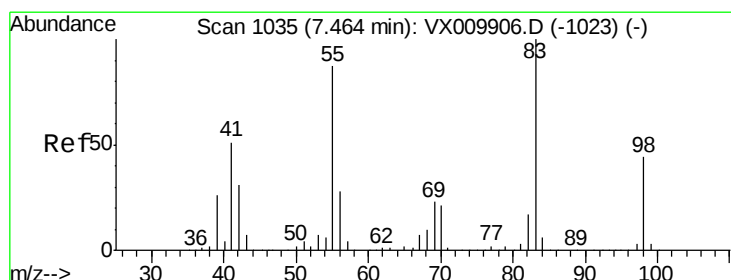
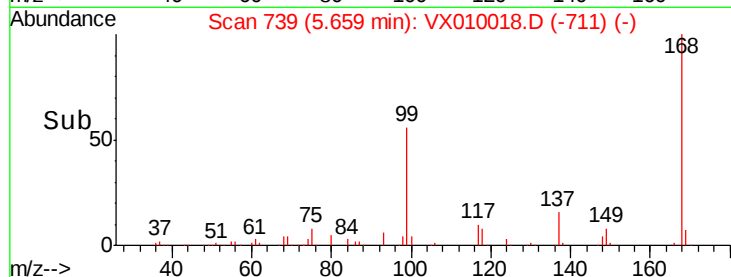
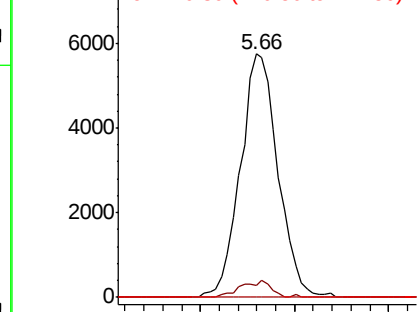
#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Instrument :
MSVOA_X
ClientSampleId :
LF012RW162-190529

Tot Ion:117 Resp: 16044
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 25.4 38.0#

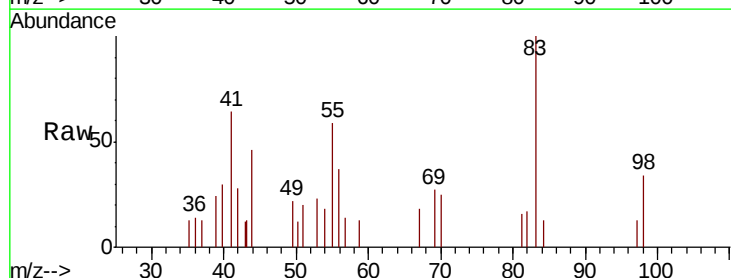


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

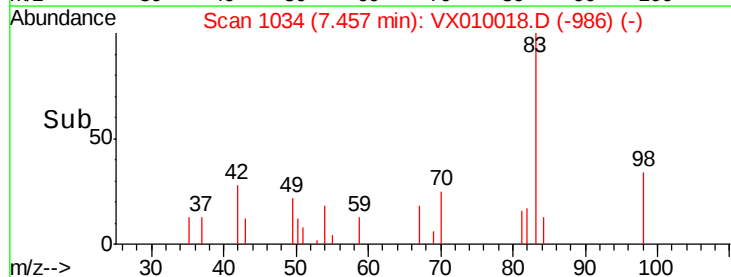
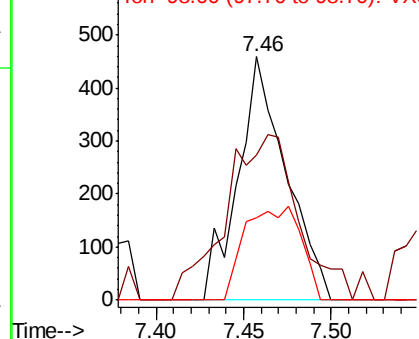


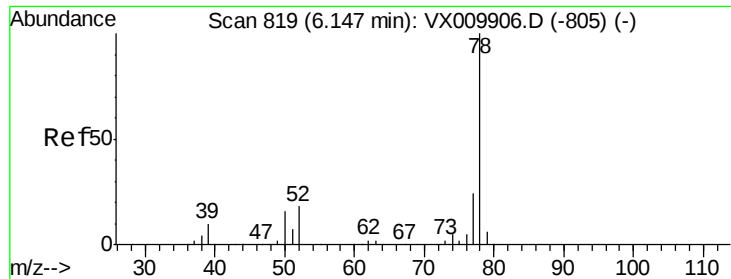
#39
Methylcyclohexane
Concen: 0.270 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Tgt Ion: 83 Resp: 882
Ion Ratio Lower Upper
83 100
55 46.8 69.9 104.9#
98 33.6 35.1 52.7#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

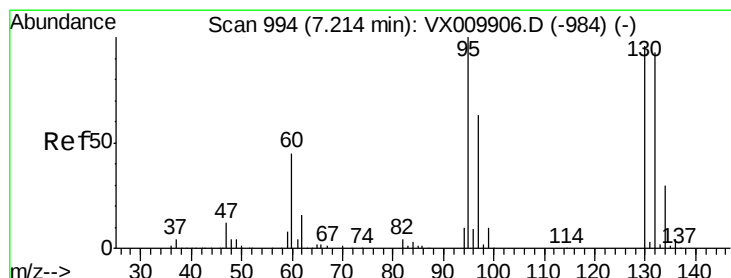
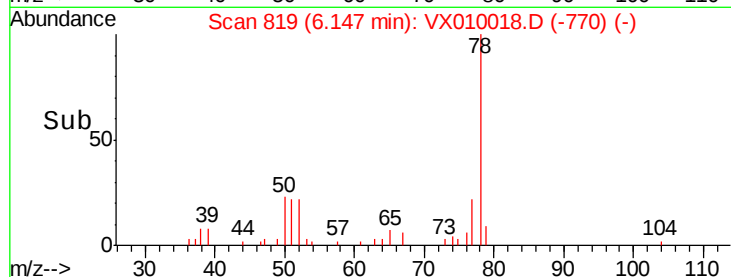
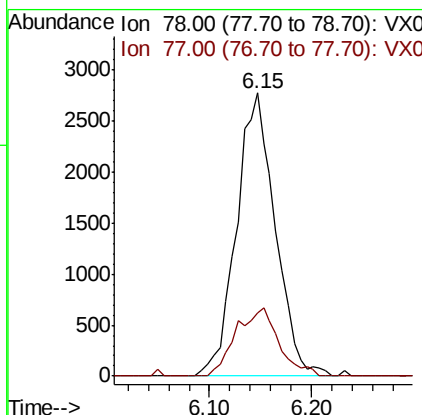
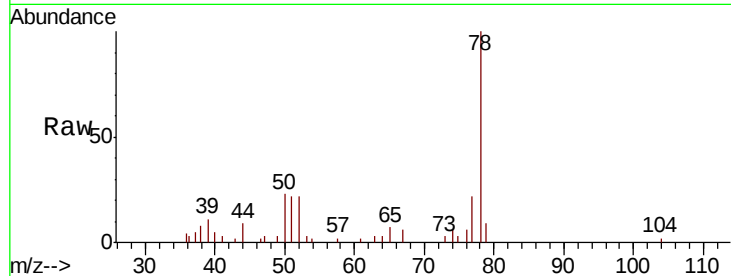




#40
Benzene
Concen: 0.896 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

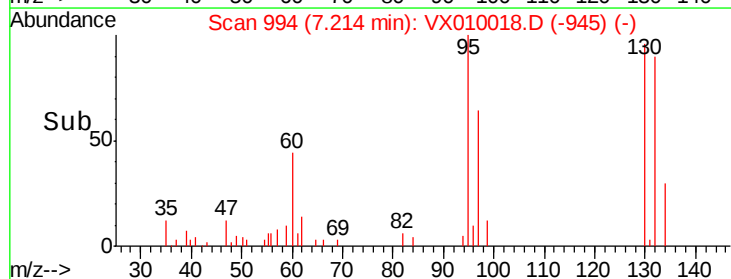
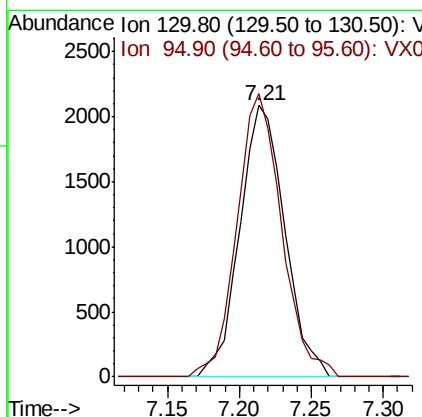
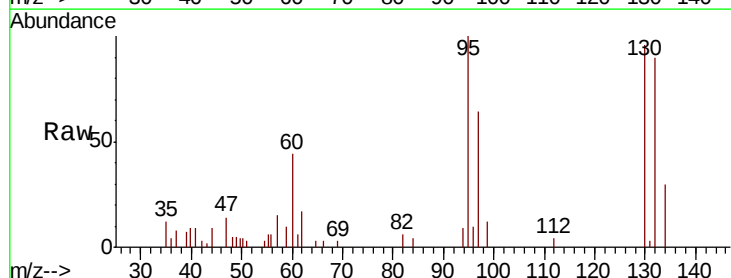
Instrument :
MSVOA_X
ClientSampleId :
LF012RW162-190529

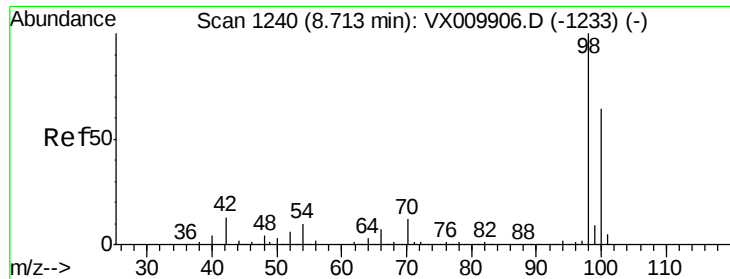
Tot Ion: 78 Resp: 7309
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8



#44
Trichloroethene
Concen: 2.275 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Tgt Ion:130 Resp: 4507
Ion Ratio Lower Upper
130 100
95 104.3 0.0 207.4





#50

Toluene-d8

Concen: 49.648 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

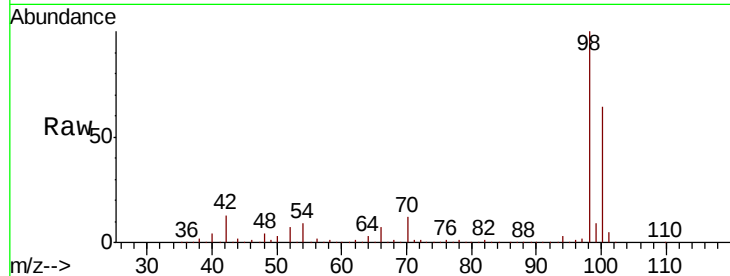
LF012RW162-190529

Tot Ion: 98 Resp: 343519

Ion Ratio Lower Upper

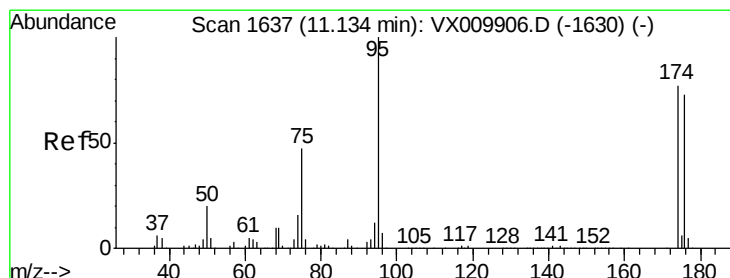
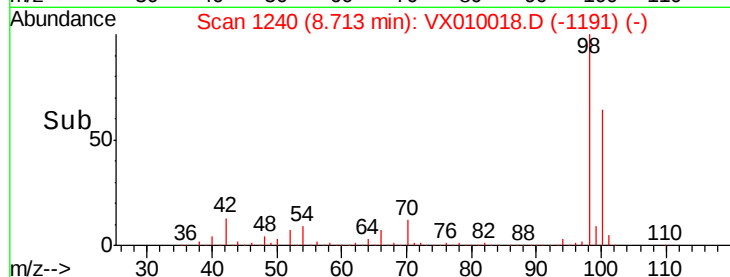
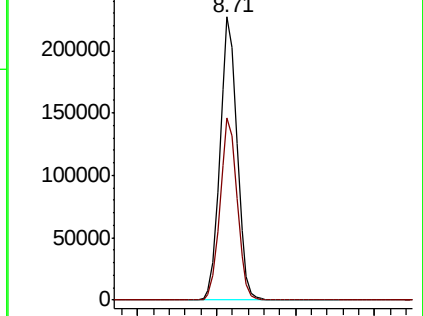
98 100

100 64.4 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: 47.630 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010018.D

Acq: 01 Jun 2019 05:15

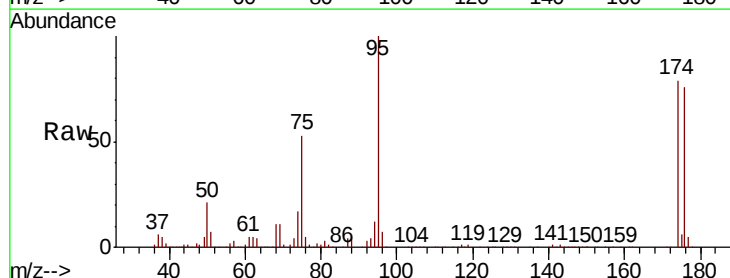
Tgt Ion: 95 Resp: 118370

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

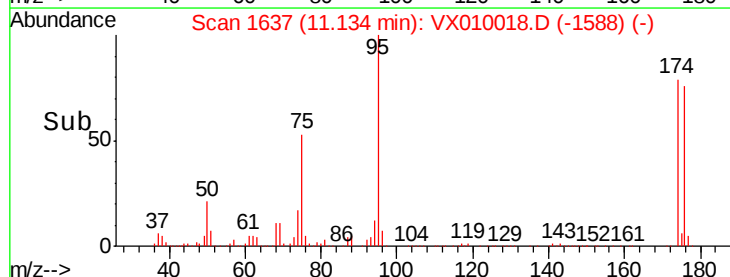
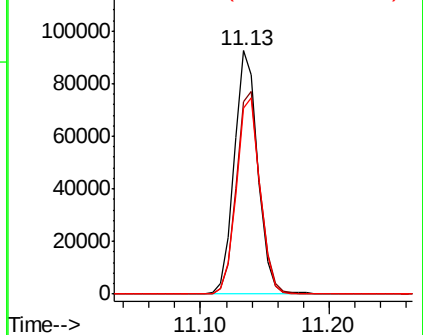
176 80.6 0.0 154.6

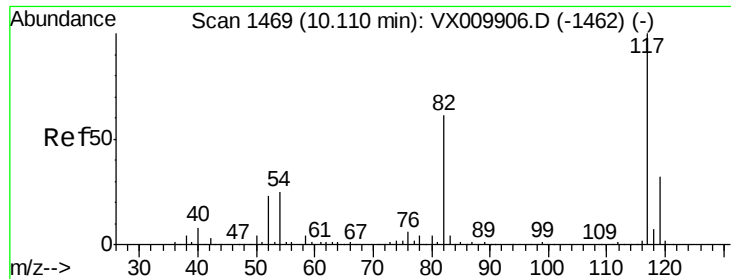


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

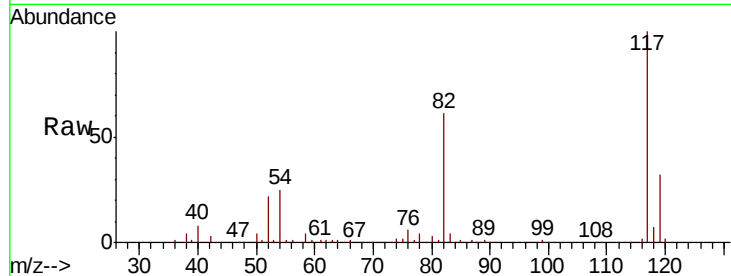




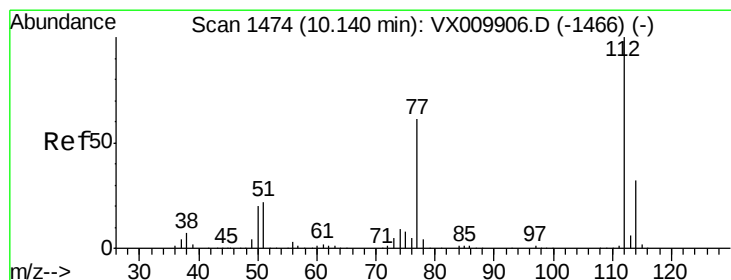
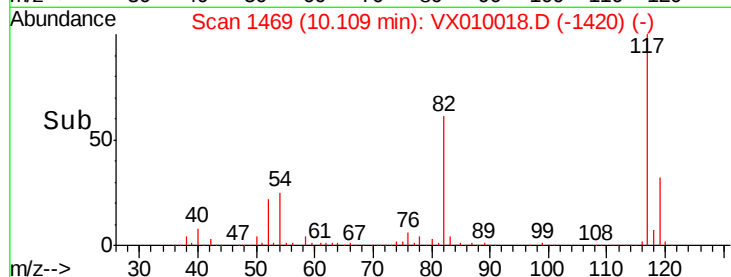
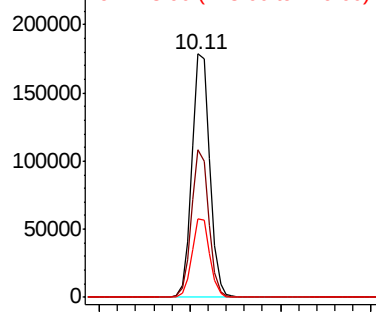
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Instrument :
MSVOA_X
ClientSampleId :
LF012RW162-190529

Tot Ion:117 Resp: 245773
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 32.1 25.2 37.8

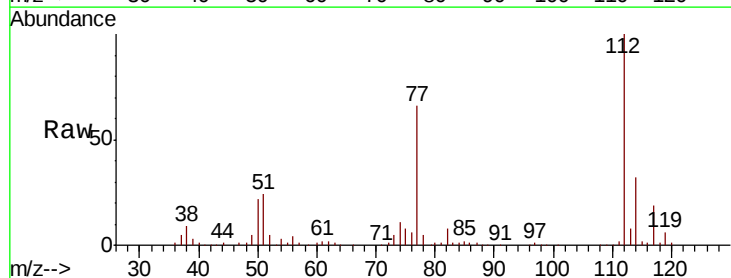


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

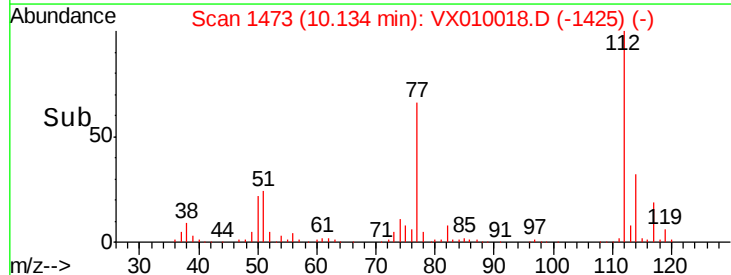
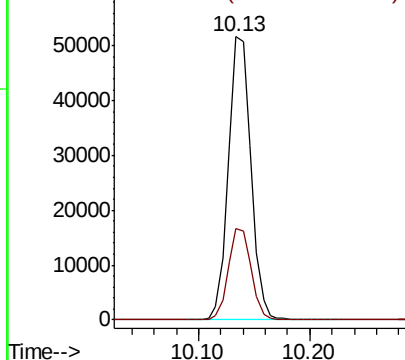


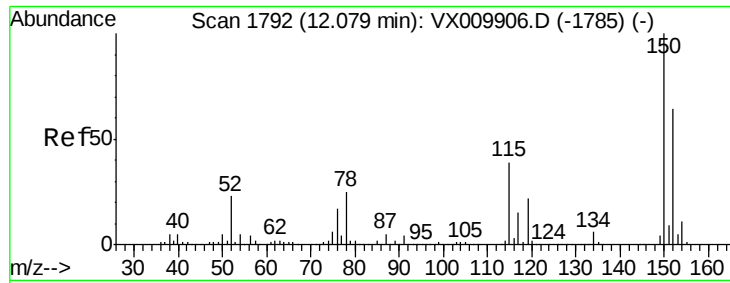
#65
Chlorobenzene
Concen: 14.140 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Tgt Ion:112 Resp: 72754
Ion Ratio Lower Upper
112 100
114 32.2 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: VX010018.D

Acq: 01 Jun 2019 05:15

Instrument :

MSVOA_X

ClientSampleId :

LF012RW162-190529

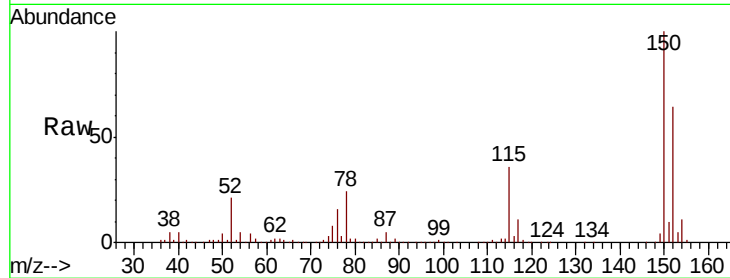
Tot Ion:152 Resp: 109581

Ion Ratio Lower Upper

152 100

115 57.4 41.4 124.2

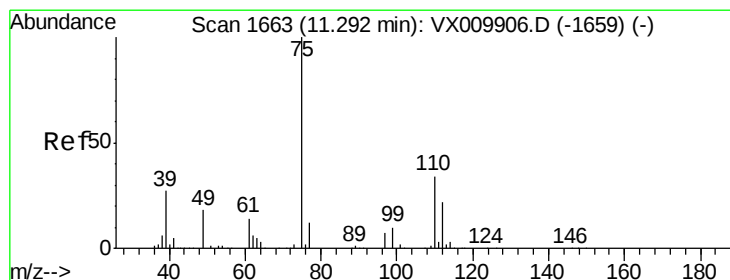
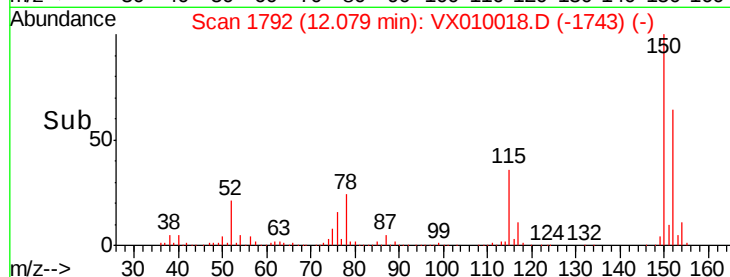
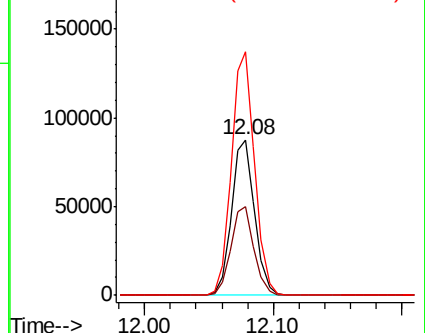
150 157.8 0.0 345.2



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: 22.946 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010018.D

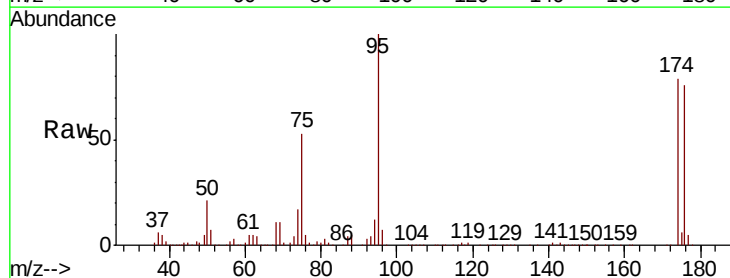
Acq: 01 Jun 2019 05:15

Tgt Ion: 75 Resp: 60129

Ion Ratio Lower Upper

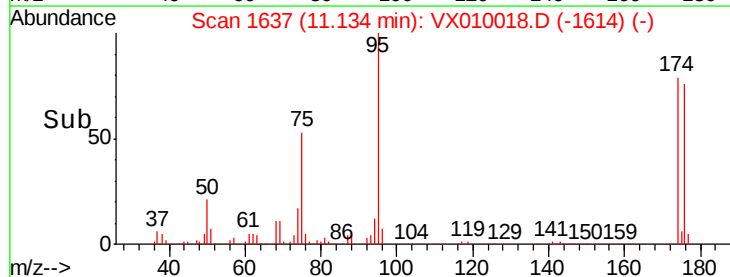
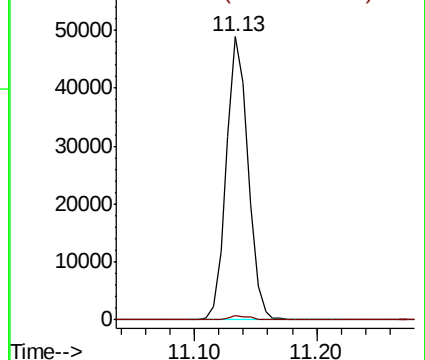
75 100

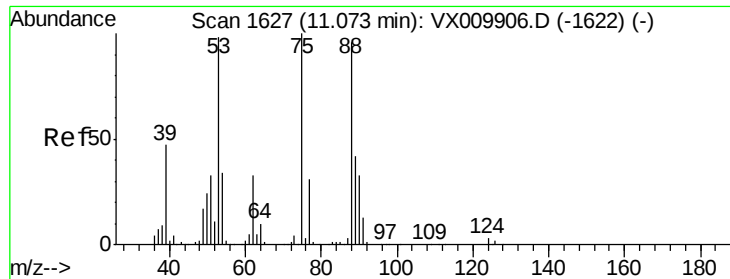
77 2.0 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

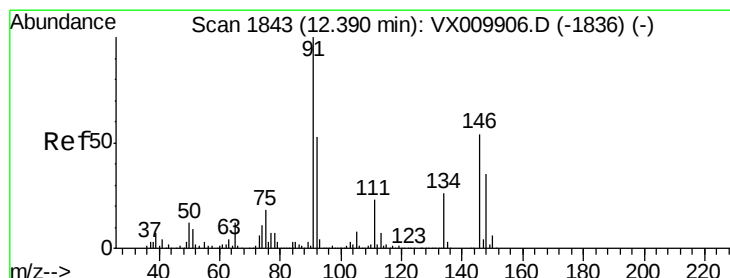
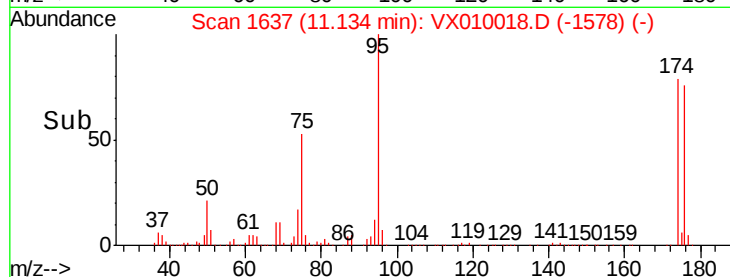
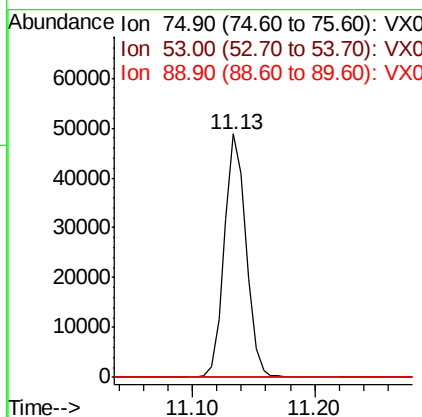
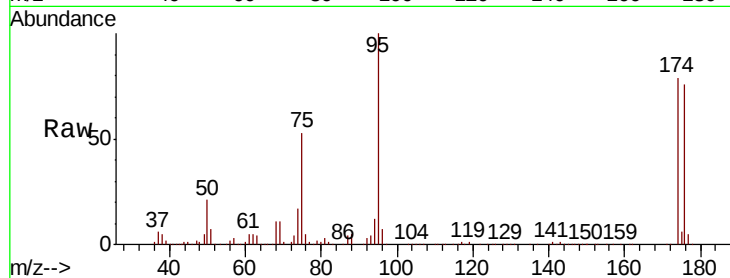




#81
trans-1,4-Dichloro-2-butene
Concen: 56.773 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Instrument :
MSVOA_X
ClientSampleId :
LF012RW162-190529

Tot Ion: 75 Resp: 60129
Ion Ratio Lower Upper
75 100
53 0.0 79.8 119.6#
89 0.0 34.2 51.4#



#91
1,2-Dichlorobenzene
Concen: 1.545 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX010018.D
Acq: 01 Jun 2019 05:15

Tgt Ion: 146 Resp: 5588
Ion Ratio Lower Upper
146 100
111 44.7 21.1 63.1
148 70.1 32.3 96.8

