

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX010017.D
 Acq On : 01 Jun 2019 04:52
 Operator : JC/SP
 Sample : K3129-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW147-190528

Quant Time: Jun 01 06:20:02 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	167297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107322	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	113405	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
35) Dibromofluoromethane	5.50	113	83446	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	340677	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	117135	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

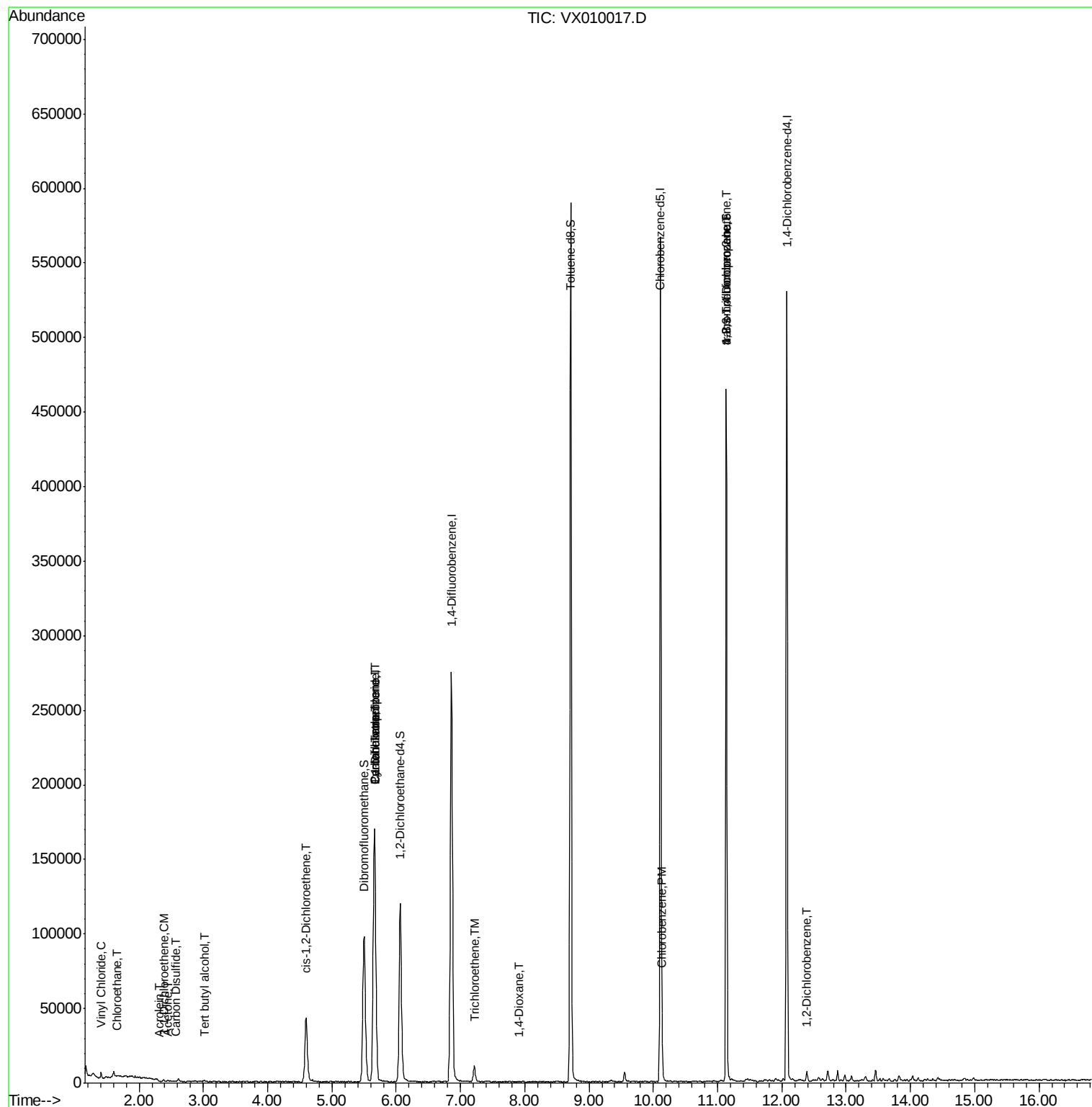
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2485	1.003	ug/l	91
6) Chloroethane	1.65	64	2762	1.811	ug/l #	43
11) Tert butyl alcohol	3.02	59	569	0.978	ug/l #	73
12) 1,1-Dichloroethene	2.39	96	427	0.252	ug/l #	49
13) Acrolein	2.31	56	39	21.184	ug/l #	14
16) Acetone	2.44	43	588	0.431	ug/l #	16
17) Carbon Disulfide	2.57	76	413	0.465	ug/l #	61
27) cis-1,2-Dichloroethene	4.60	96	26918	12.370	ug/l	87
31) Cyclohexane	5.67	56	3872	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12864	4.738	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15359	6.546	ug/l #	16
44) Trichloroethene	7.22	130	3917	2.002	ug/l	81
49) 1,4-Dioxane	7.91	88	52	0.925	ug/l #	1
65) Chlorobenzene	10.14	112	8624	1.693	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	60008	23.382	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60008	57.851	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	1576	0.445	ug/l	96

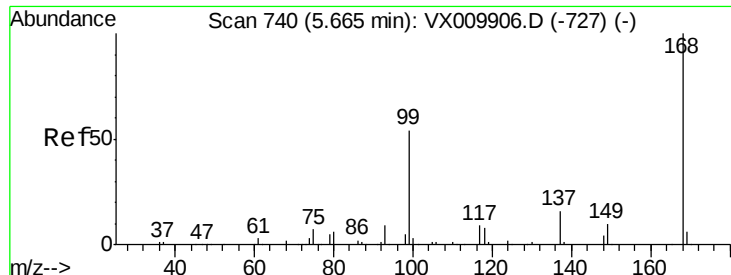
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

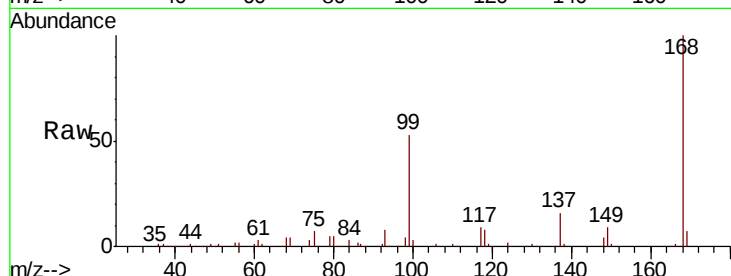
LF012MW147-190528

Tot Ion:168 Resp: 167297

Ion Ratio Lower Upper

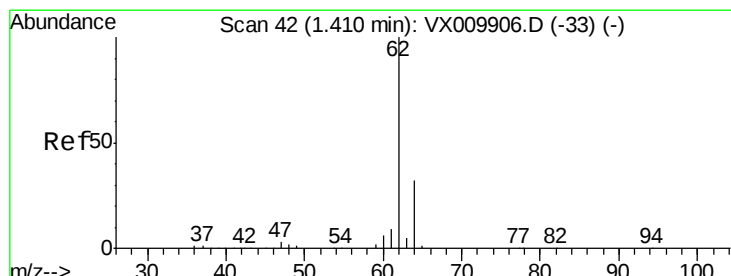
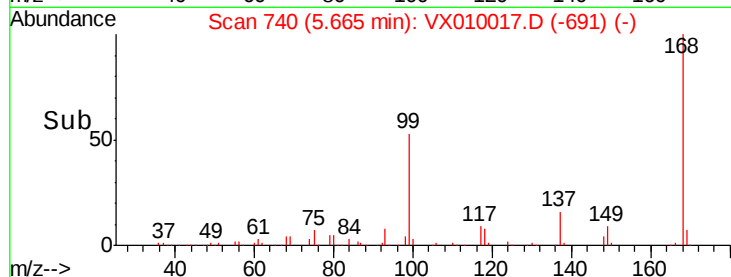
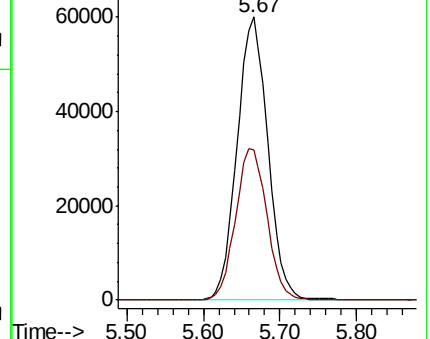
168 100

99 53.3 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: 1.003 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010017.D

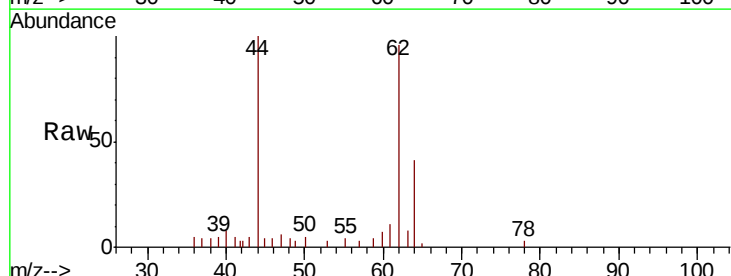
Acq: 01 Jun 2019 04:52

Tgt Ion: 62 Resp: 2485

Ion Ratio Lower Upper

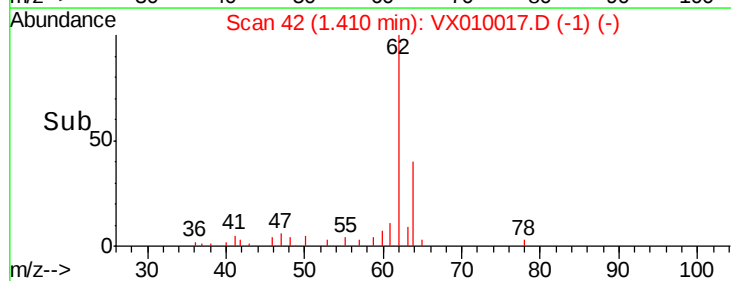
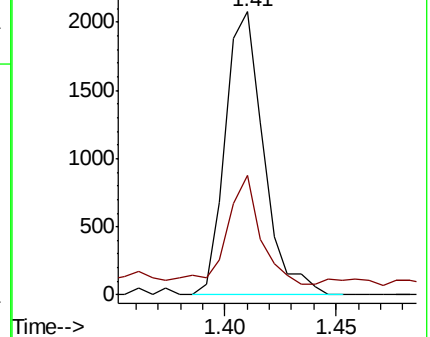
62 100

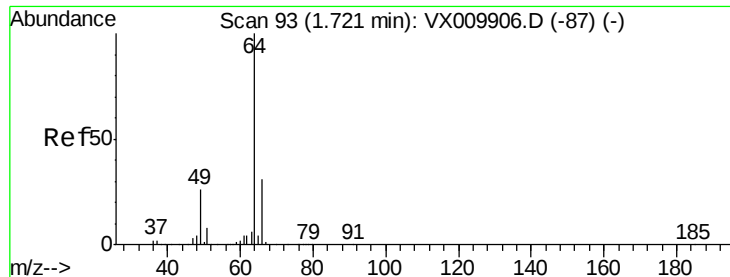
64 37.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 1.811 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.07 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

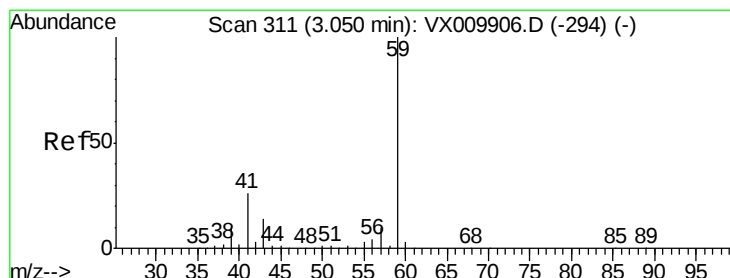
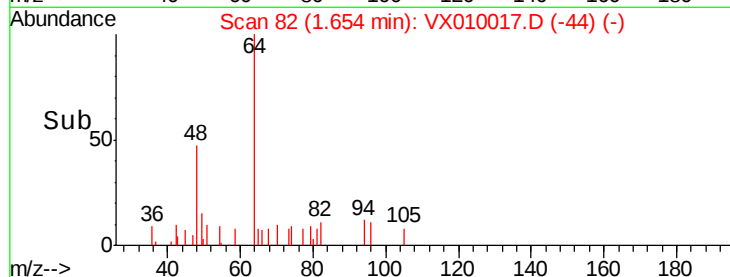
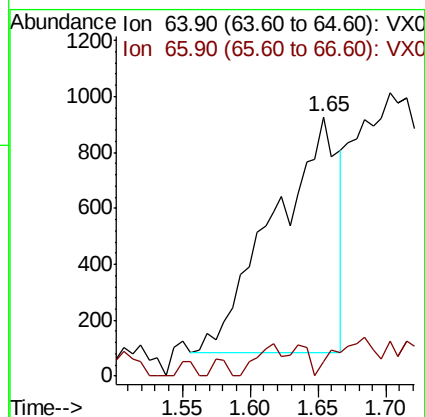
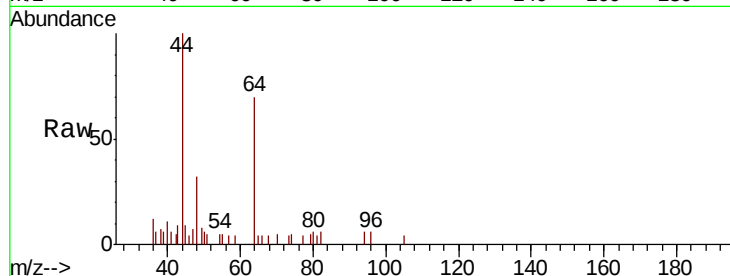
LF012MW147-190528

Tot Ion: 64 Resp: 2762

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 0.978 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010017.D

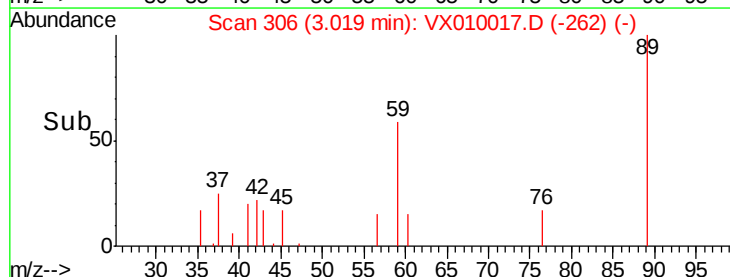
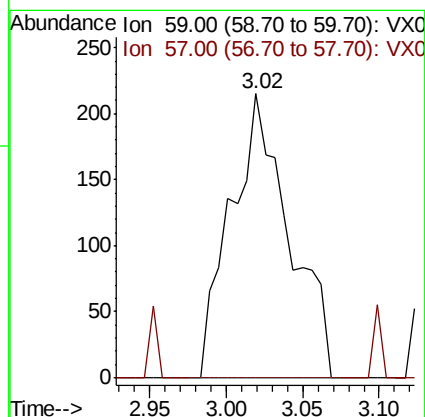
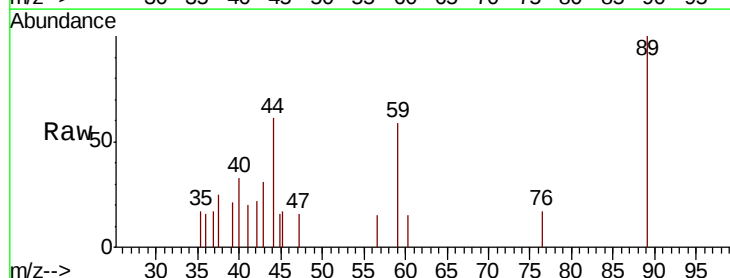
Acq: 01 Jun 2019 04:52

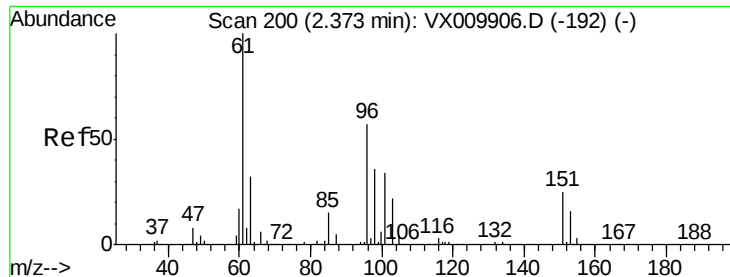
Tgt Ion: 59 Resp: 569

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.252 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

LF012MW147-190528

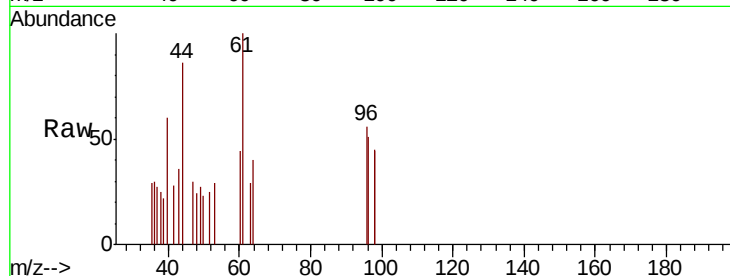
Tot Ion: 96 Resp: 427

Ion Ratio Lower Upper

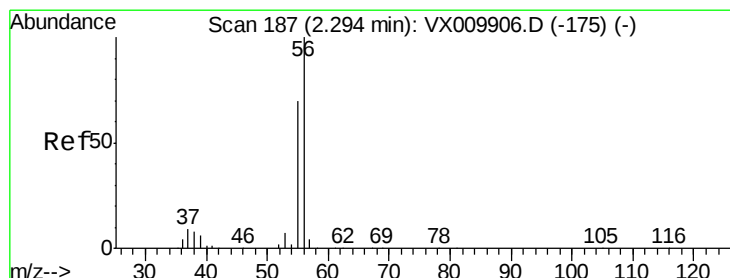
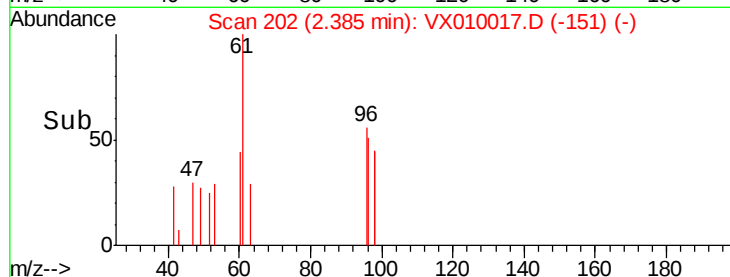
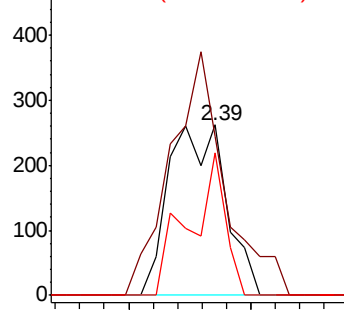
96 100

61 93.5 140.7 211.1#

98 84.0 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: 21.184 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX010017.D

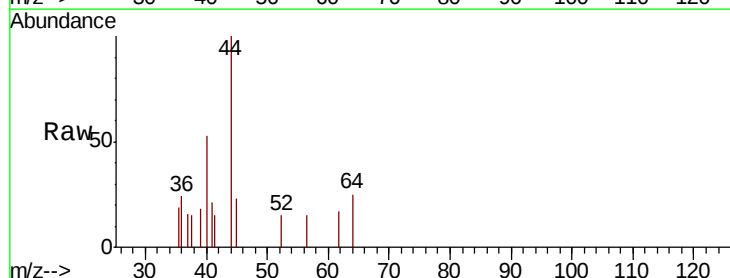
Acq: 01 Jun 2019 04:52

Tgt Ion: 56 Resp: 39

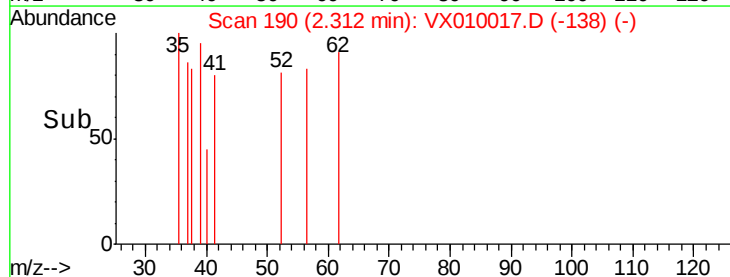
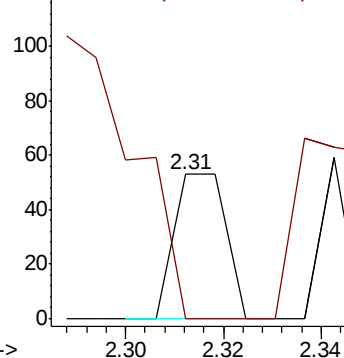
Ion Ratio Lower Upper

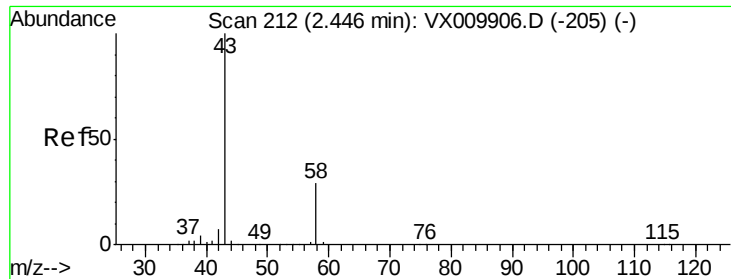
56 100

55 0.0 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: 0.431 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

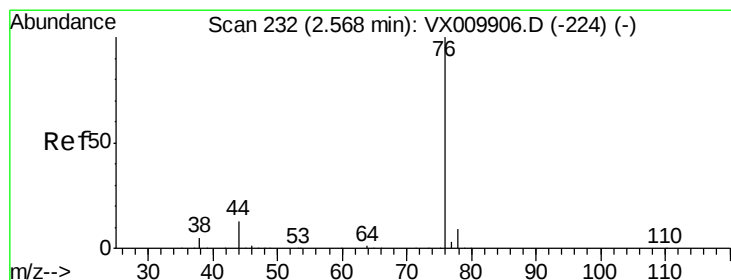
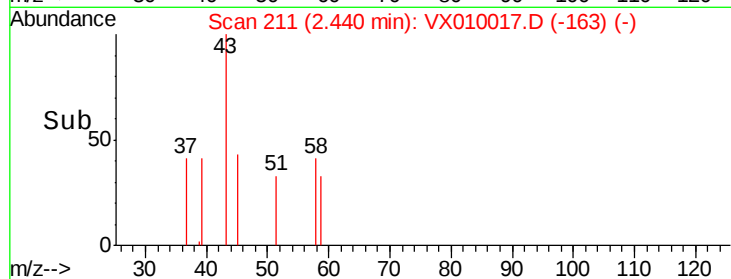
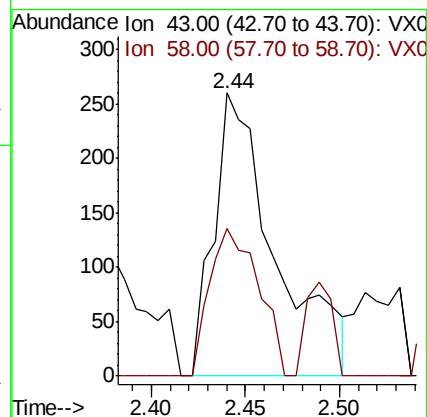
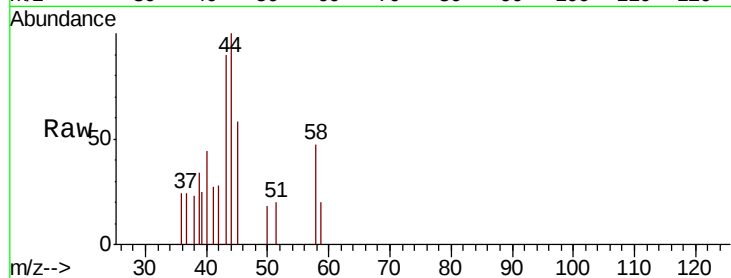
LF012MW147-190528

Tot Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

58 73.8 23.2 34.8#



#17

Carbon Disulfide

Concen: 0.465 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010017.D

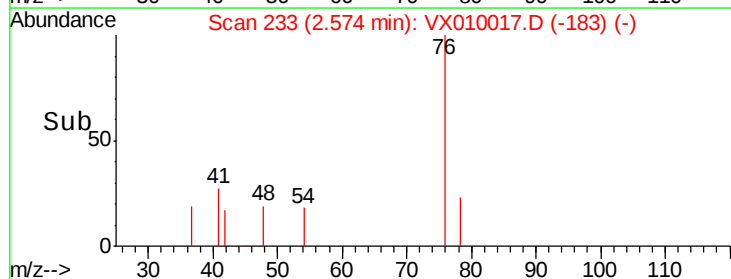
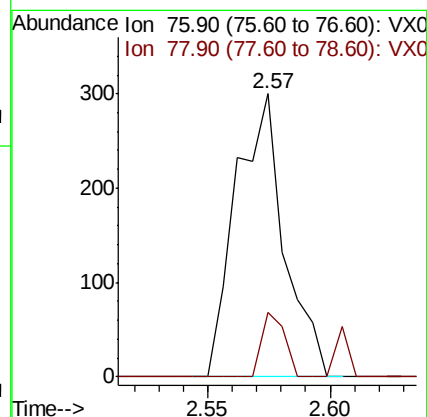
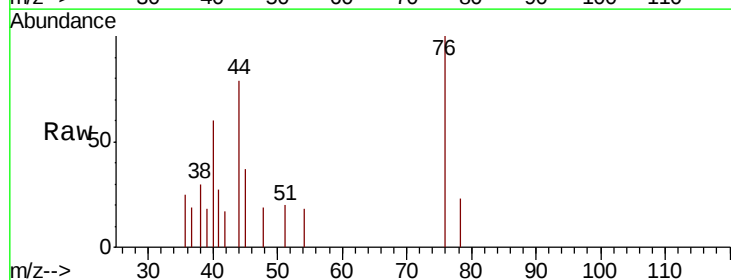
Acq: 01 Jun 2019 04:52

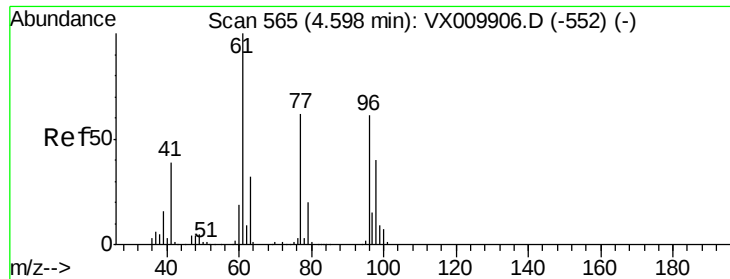
Tgt Ion: 76 Resp: 413

Ion Ratio Lower Upper

76 100

78 22.7 7.0 10.6#



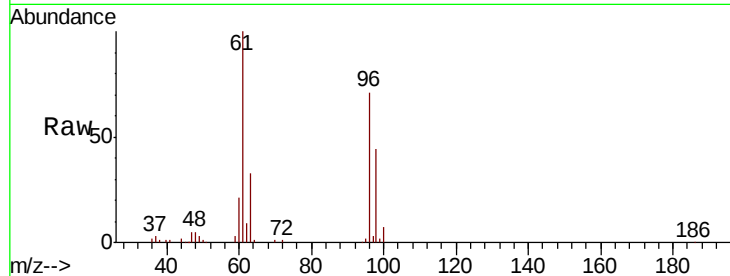


#27

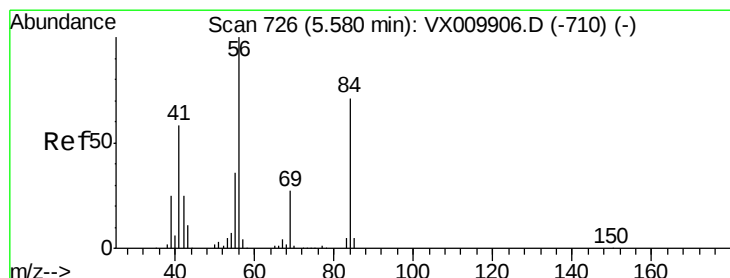
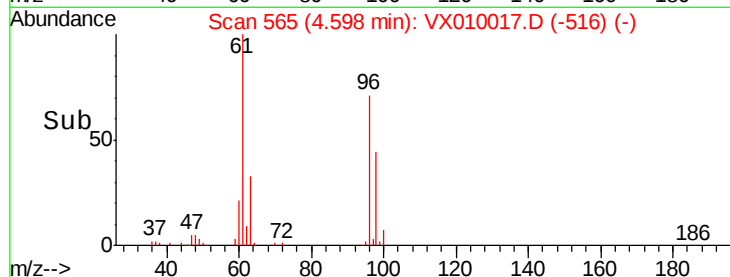
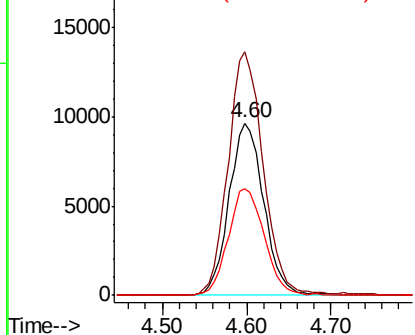
cis-1,2-Dichloroethene
Concen: 12.370 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Instrument :
MSVOA_X
ClientSampleId :
LF012MW147-190528

Tot Ion: 96 Resp: 26918
Ion Ratio Lower Upper
96 100
61 143.7 0.0 334.0
98 64.3 0.0 131.6



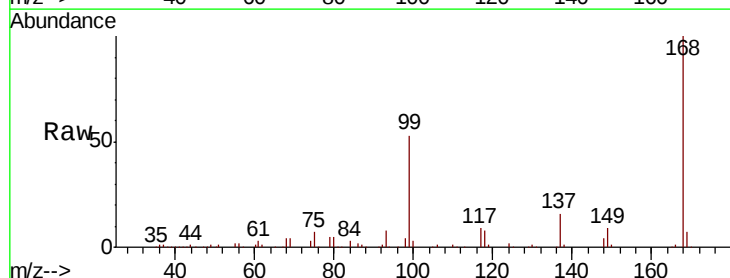
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



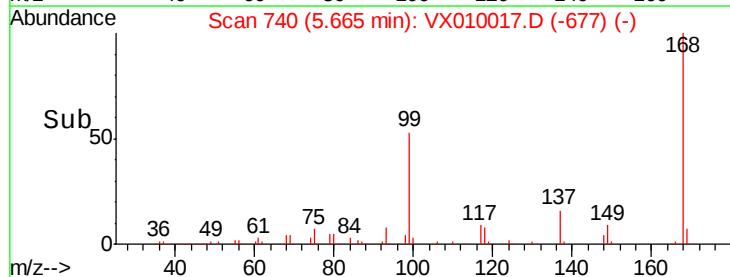
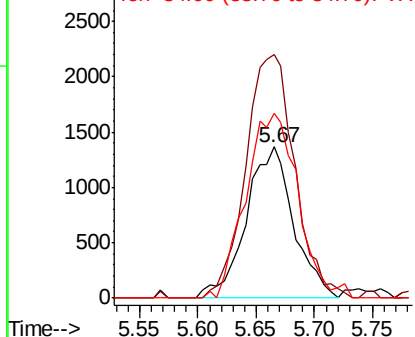
#31

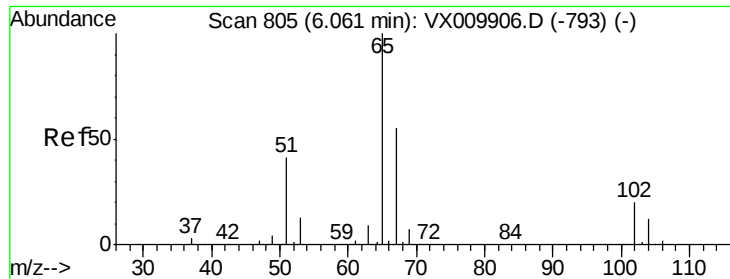
Cyclohexane
Concen: 1.077 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Tgt Ion: 56 Resp: 3872
Ion Ratio Lower Upper
56 100
69 160.8 21.6 32.4#
84 122.0 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: 47.988 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

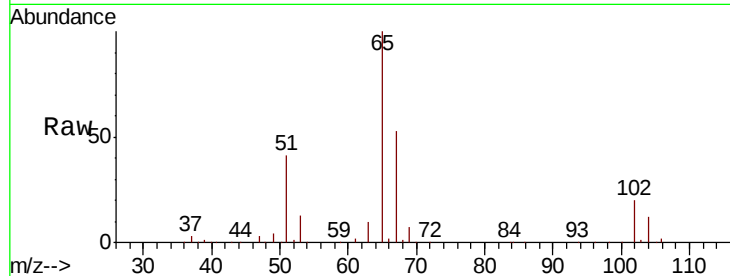
LF012MW147-190528

Tot Ion: 65 Resp: 113405

Ion Ratio Lower Upper

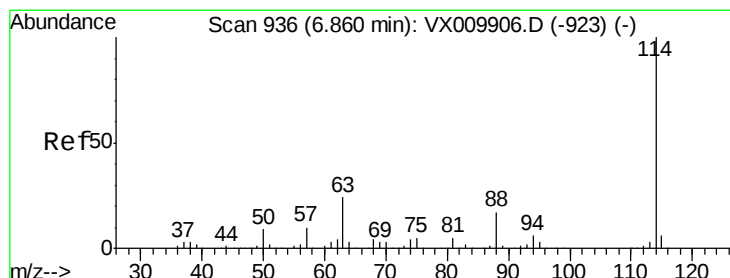
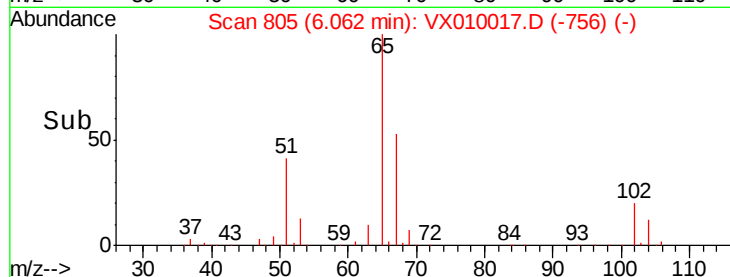
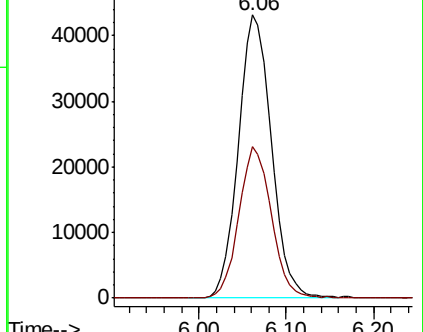
65 100

67 52.6 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: VX010017.D

Acq: 01 Jun 2019 04:52

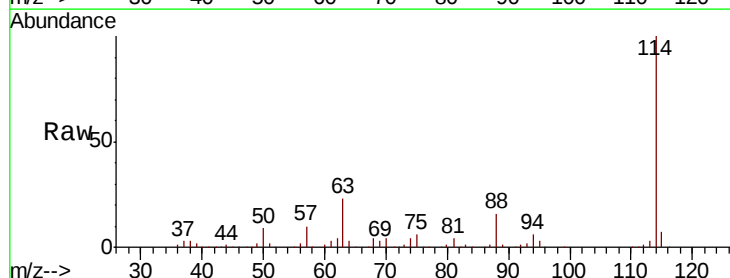
Tgt Ion: 114 Resp: 267593

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.4

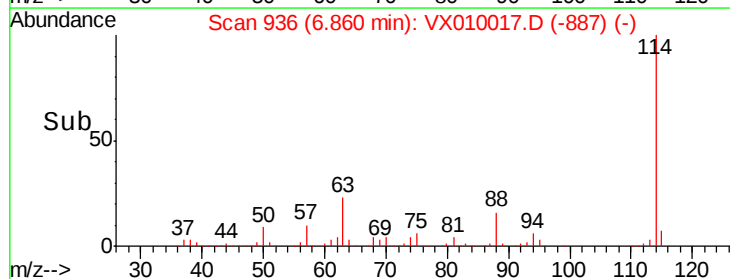
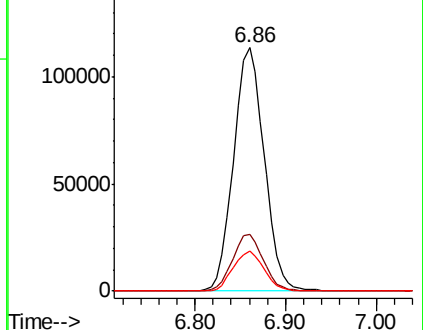
88 16.3 0.0 33.0

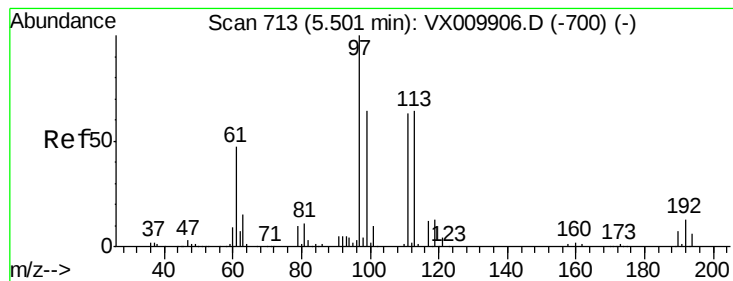


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.600 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

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ClientSampleId :

LF012MW147-190528

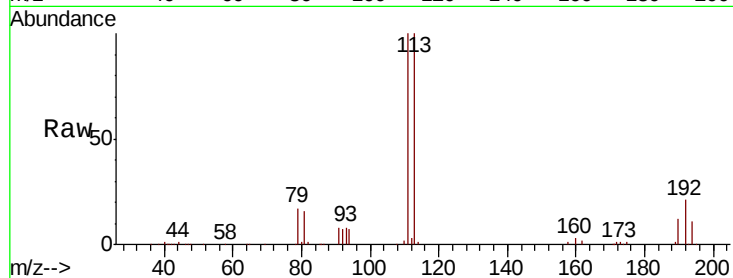
Tot Ion:113 Resp: 83446

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

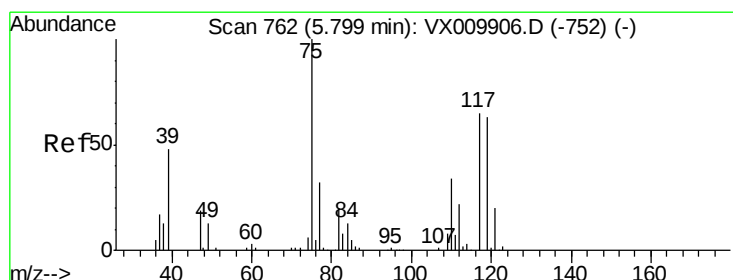
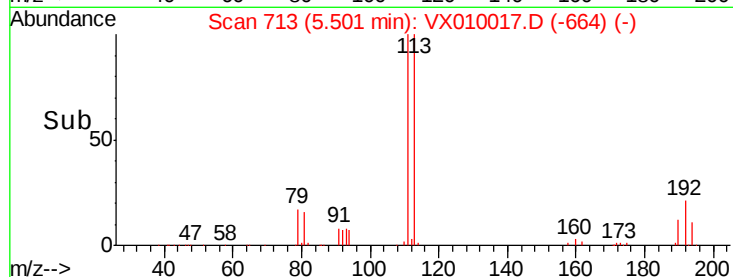
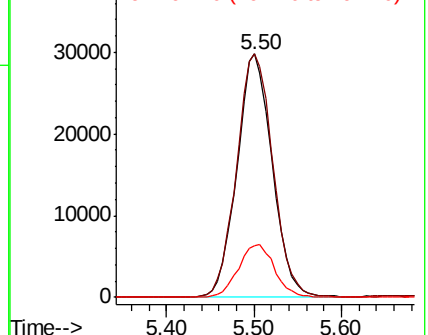
192 22.2 17.1 25.7



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: 4.738 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

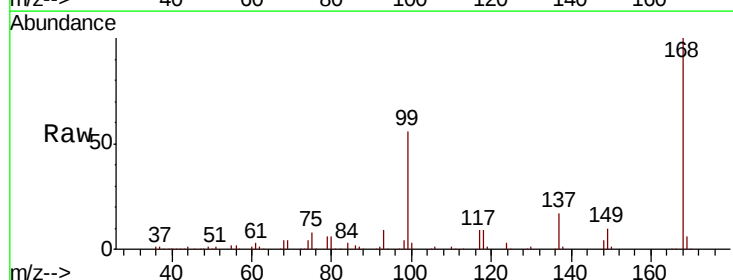
Tgt Ion: 75 Resp: 12864

Ion Ratio Lower Upper

75 100

110 8.2 16.7 50.1#

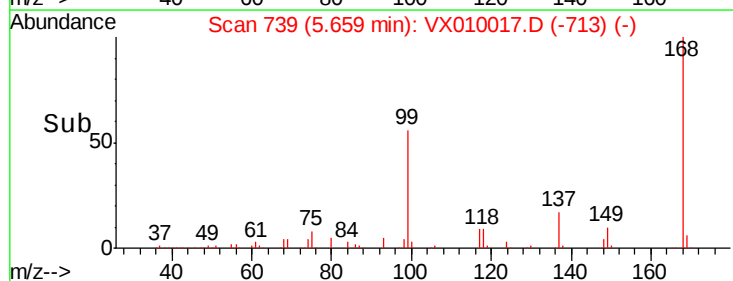
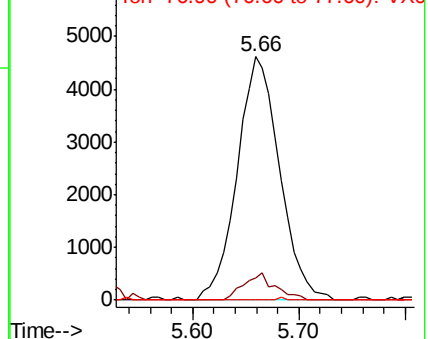
77 0.0 25.0 37.4#

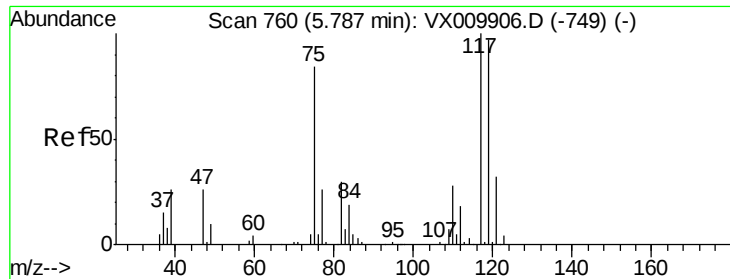


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.546 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

LF012MW147-190528

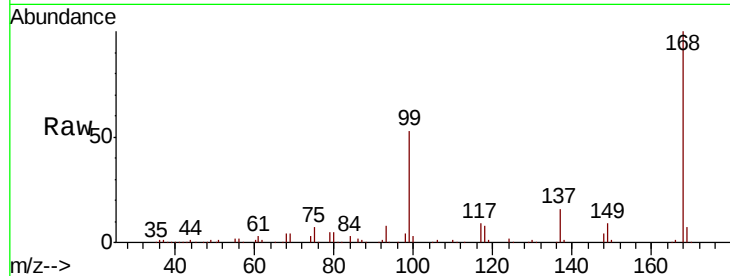
Tot Ion:117 Resp: 15359

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

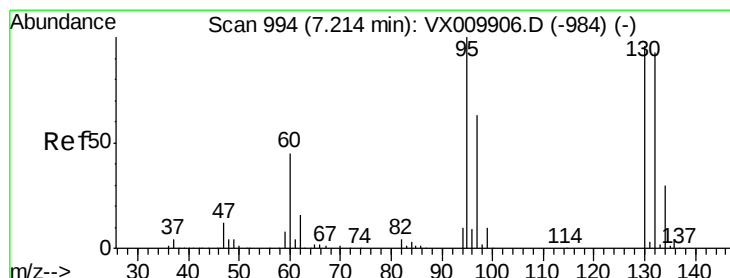
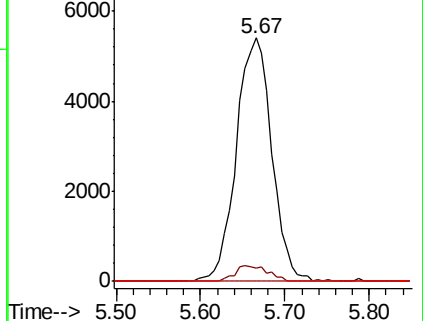
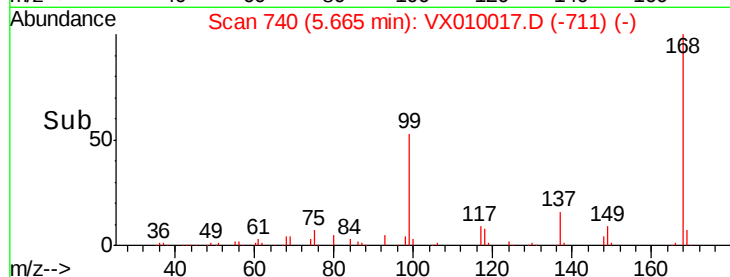
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 2.002 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010017.D

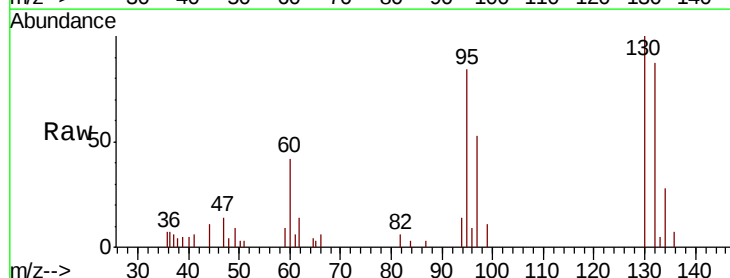
Acq: 01 Jun 2019 04:52

Tgt Ion:130 Resp: 3917

Ion Ratio Lower Upper

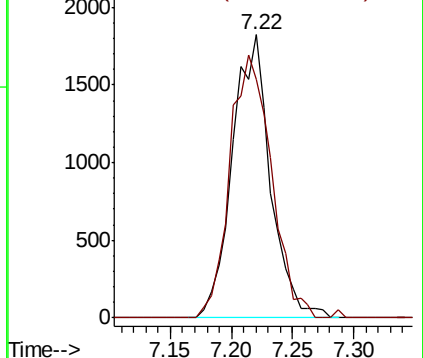
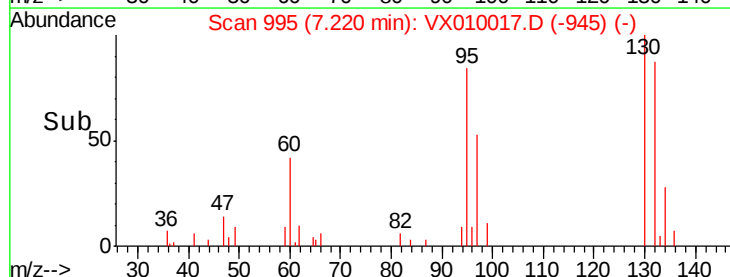
130 100

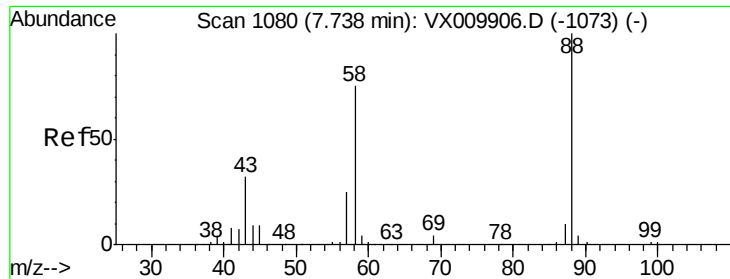
95 84.1 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.925 ug/l

RT: 7.91 min Scan# 1109

Delta R.T. 0.18 min

Lab File: VX010017.D

Acq: 01 Jun 2019 04:52

Instrument :

MSVOA_X

ClientSampleId :

LF012MW147-190528

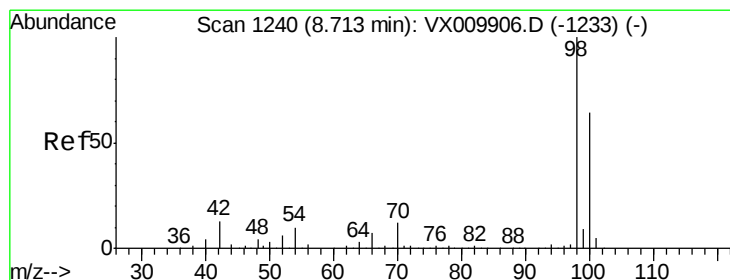
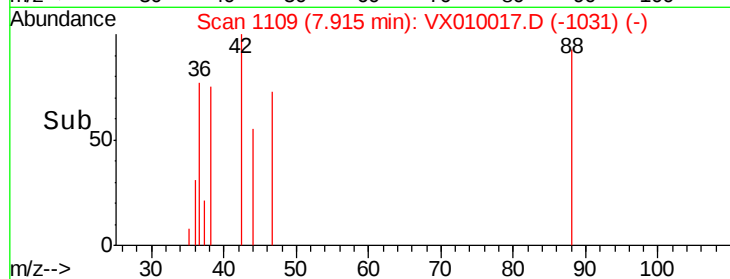
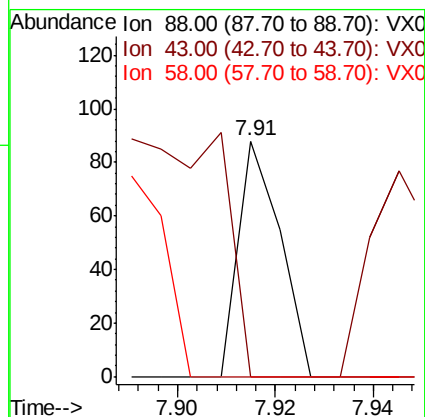
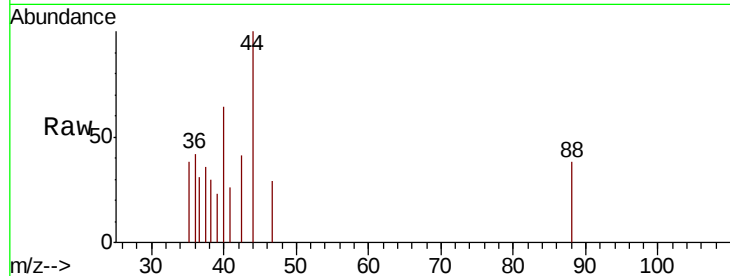
Tot Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 292.3 30.2 45.4#

58 0.0 64.0 96.0#



#50

Toluene-d8

Concen: 49.867 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010017.D

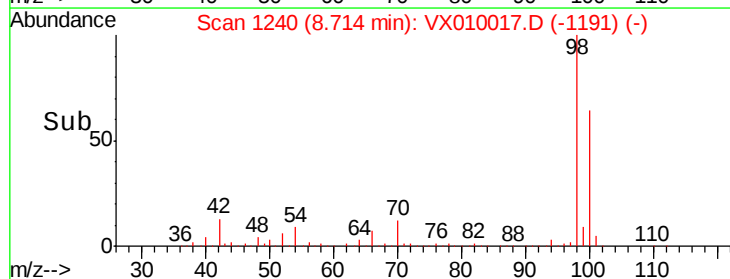
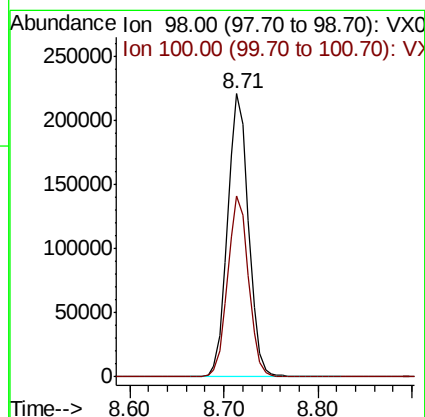
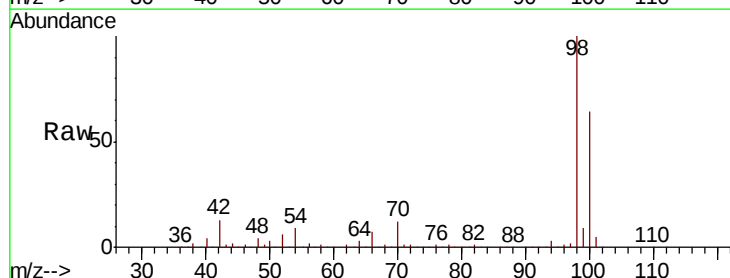
Acq: 01 Jun 2019 04:52

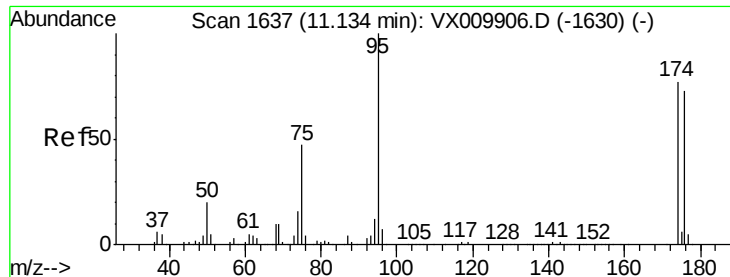
Tgt Ion: 98 Resp: 340677

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3

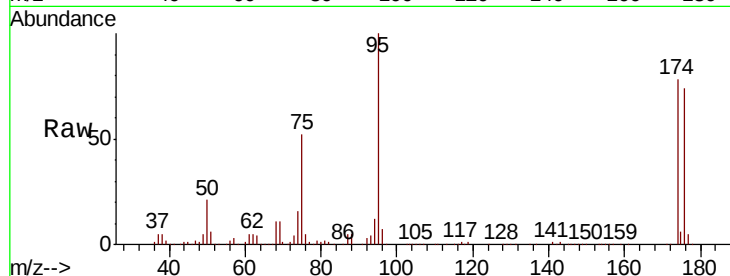




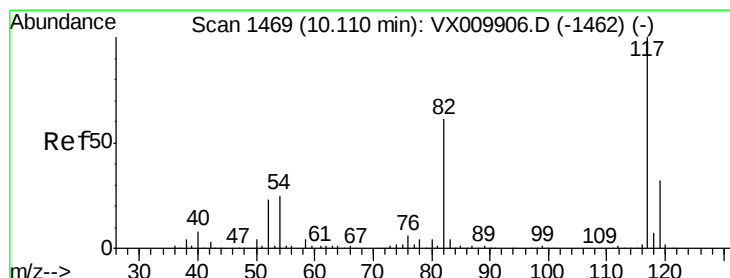
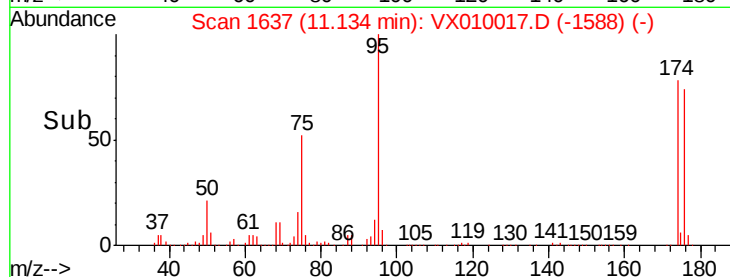
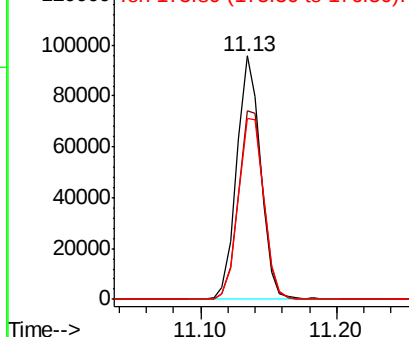
#62
4-Bromofluorobenzene
Concen: 47.736 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Instrument :
MSVOA_X
ClientSampleId :
LF012MW147-190528

Tot Ion: 95 Resp: 117135
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.4
176 79.5 0.0 154.6

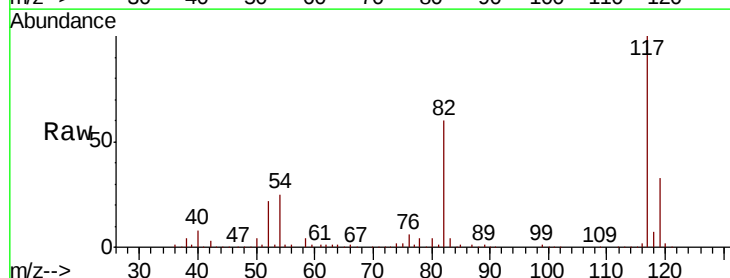


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

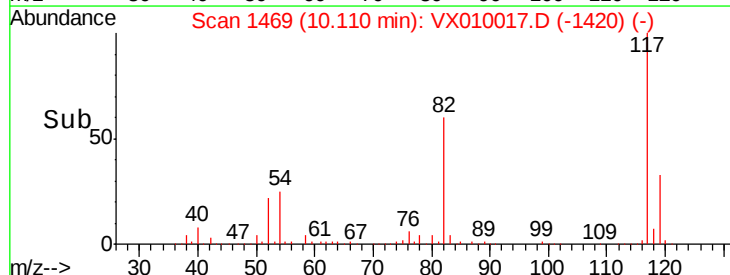
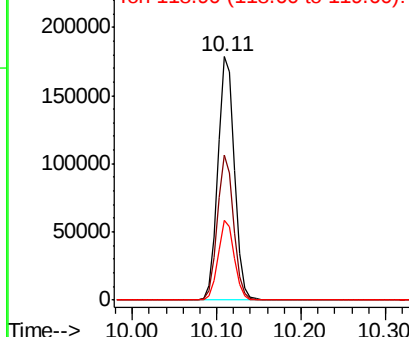


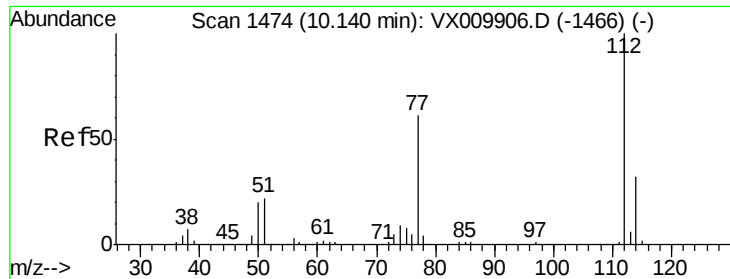
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Tgt Ion: 117 Resp: 243363
Ion Ratio Lower Upper
117 100
82 59.7 49.2 73.8
119 32.9 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

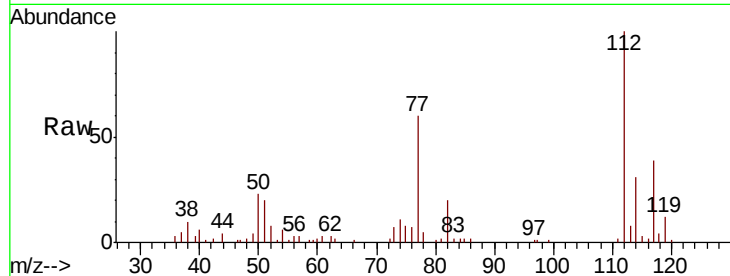




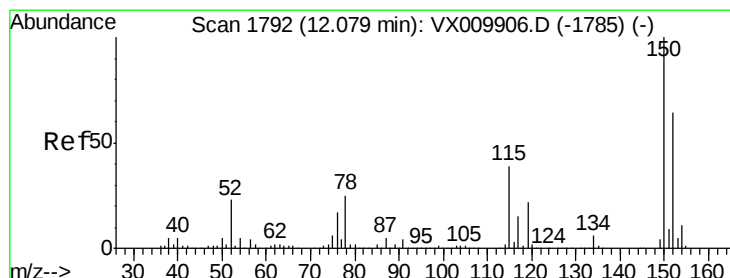
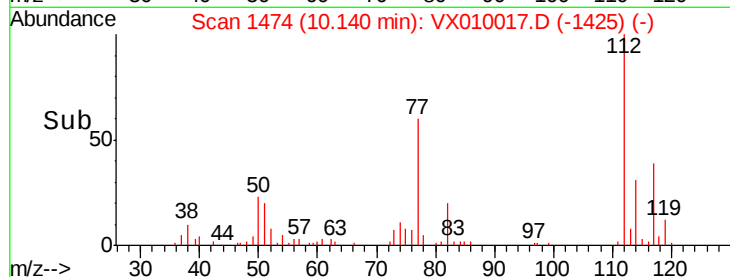
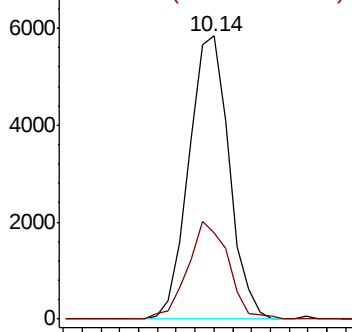
#65
Chlorobenzene
Concen: 1.693 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Instrument :
MSVOA_X
ClientSampleId :
LF012MW147-190528

Tot Ion:112 Resp: 8624
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8

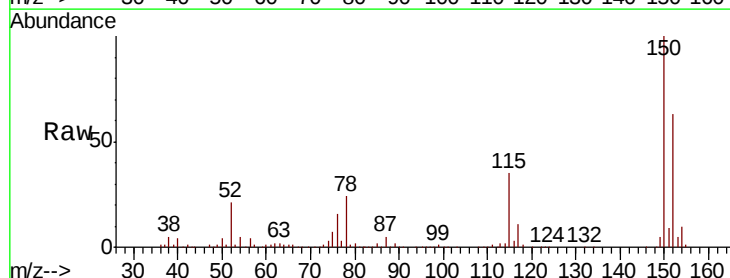


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

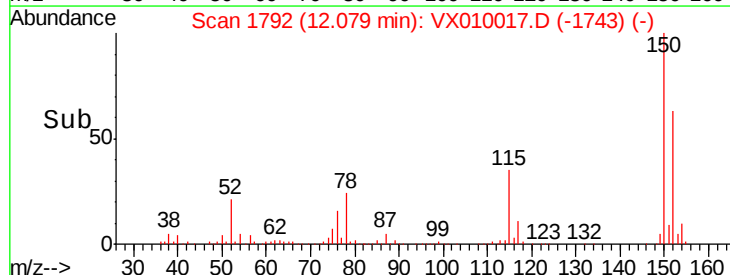
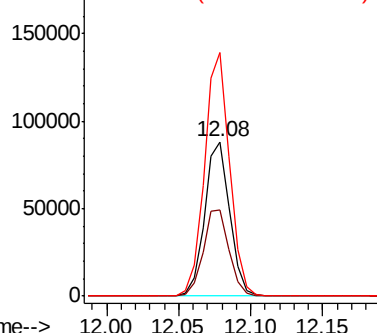


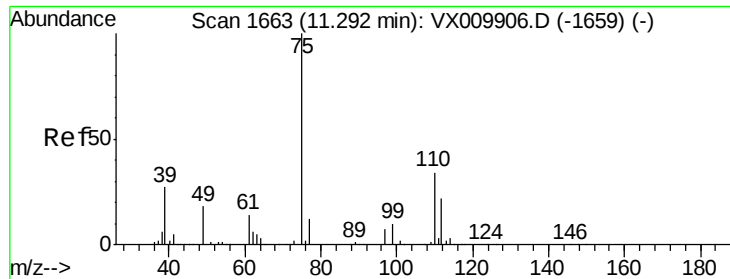
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010017.D
Acq: 01 Jun 2019 04:52

Tgt Ion:152 Resp: 107322
Ion Ratio Lower Upper
152 100
115 57.6 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

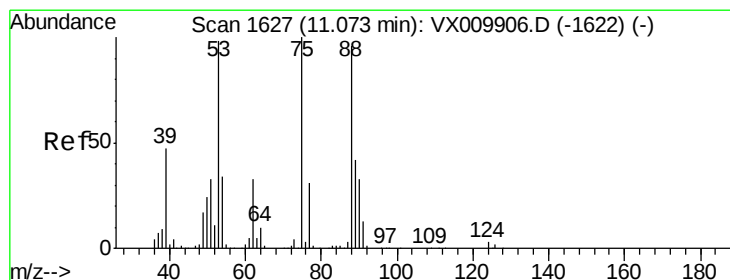
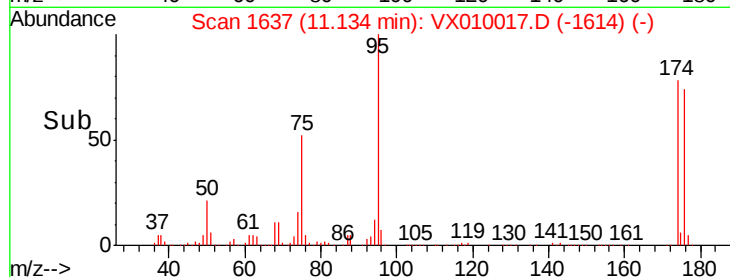
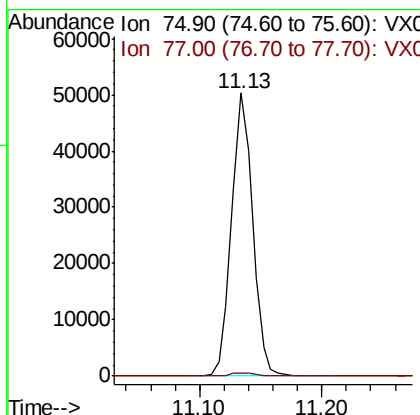
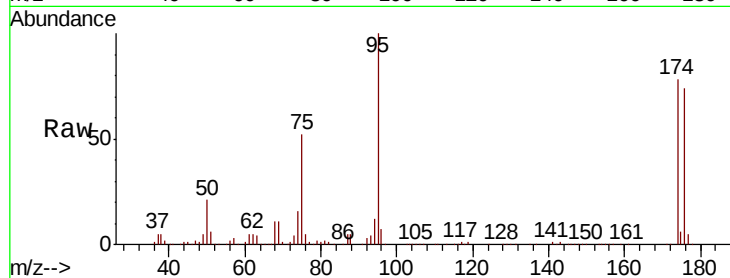




#76
 1,2,3-Trichloropropane
 Concen: 23.382 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010017.D
 Acq: 01 Jun 2019 04:52

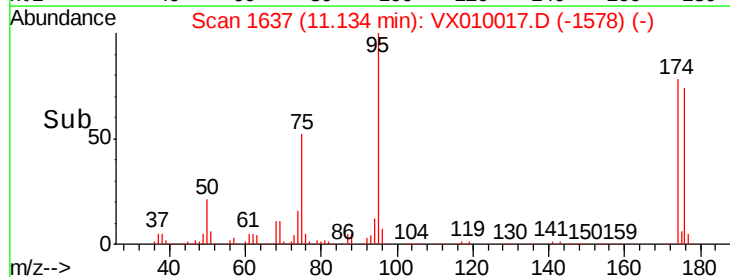
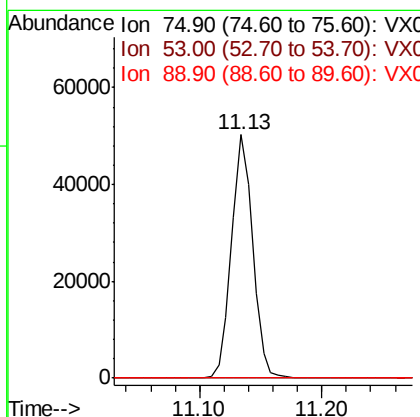
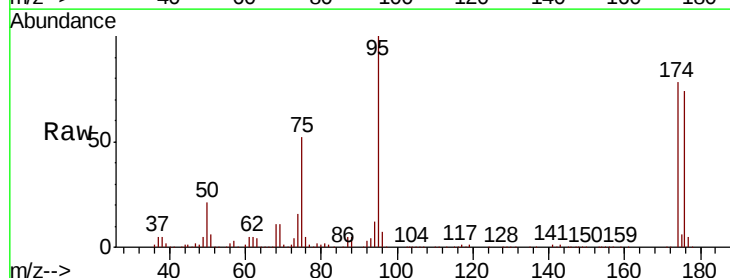
Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW147-190528

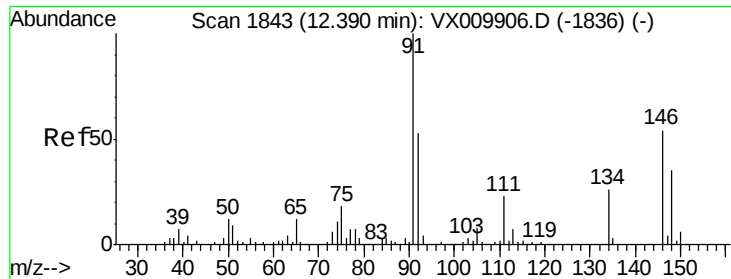
Tot Ion: 75 Resp: 60008
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.851 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010017.D
 Acq: 01 Jun 2019 04:52

Tgt Ion: 75 Resp: 60008
 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: 0.445 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010017.D
 Acq: 01 Jun 2019 04:52

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW147-190528

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	59.8	32.3	96.8

