

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010014.D
 Acq On : 01 Jun 2019 03:42
 Operator : JC/SP
 Sample : K3129-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW029-190528

Quant Time: Jun 01 04:49:41 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	171628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111271	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	116281	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	5.50	113	86066	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	351665	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	120869	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	

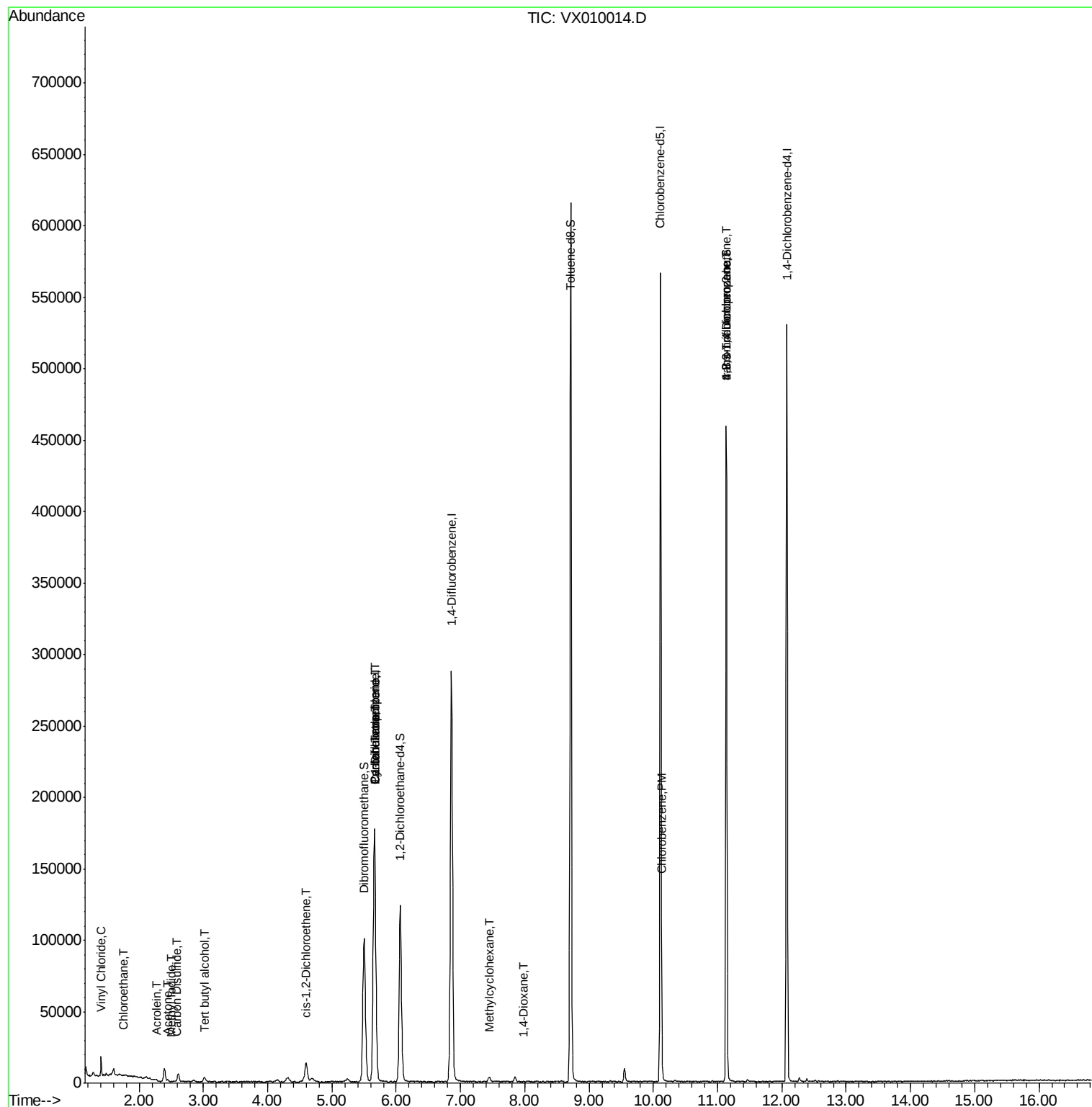
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	8971	3.530	ug/l	98
6) Chloroethane	1.75	64	330	0.211	ug/l #	80
10) Methyl Iodide	2.49	142	19	4.665	ug/l #	42
11) Tert butyl alcohol	3.02	59	2148	3.600	ug/l #	79
13) Acrolein	2.28	56	189	21.506	ug/l #	14
16) Acetone	2.45	43	1082	0.772	ug/l	99
17) Carbon Disulfide	2.57	76	783	0.532	ug/l #	72
27) cis-1,2-Dichloroethene	4.60	96	7854	3.518	ug/l	87
31) Cyclohexane	5.66	56	4086	1.107	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13138	4.665	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16093	6.613	ug/l #	16
39) Methylcyclohexane	7.44	83	701	0.210	ug/l #	53
49) 1,4-Dioxane	7.98	88	39	0.669	ug/l #	1
65) Chlorobenzene	10.13	112	1601	0.306	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	60438	22.714	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60438	56.198	ug/l #	10

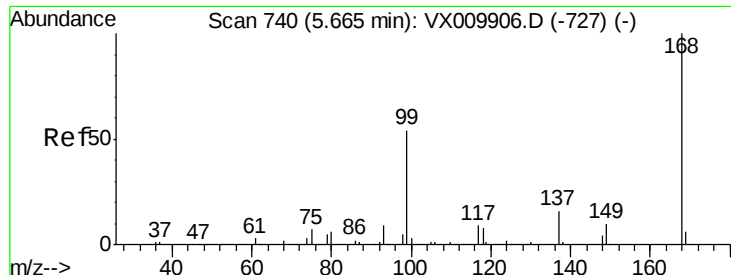
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 740

Delta R.T. -0.00 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

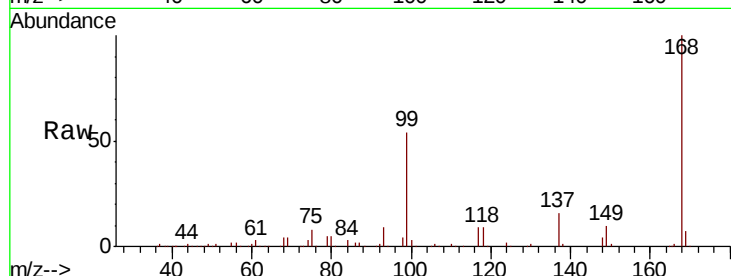
LF012MW029-190528

Tot Ion:168 Resp: 171628

Ion Ratio Lower Upper

168 100

99 54.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

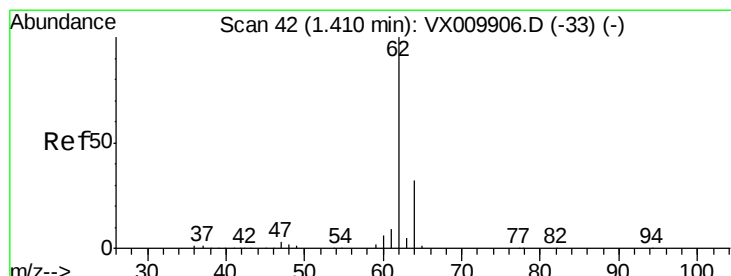
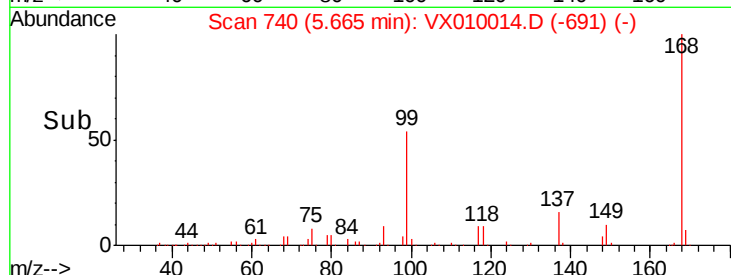
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 3.530 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010014.D

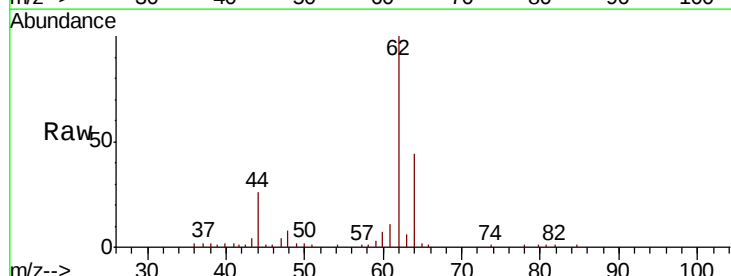
Acq: 01 Jun 2019 03:42

Tgt Ion: 62 Resp: 8971

Ion Ratio Lower Upper

62 100

64 33.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

8000

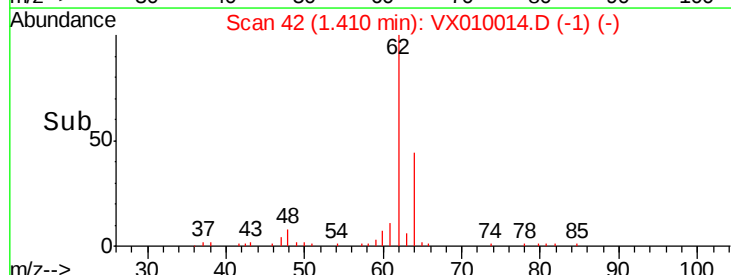
6000

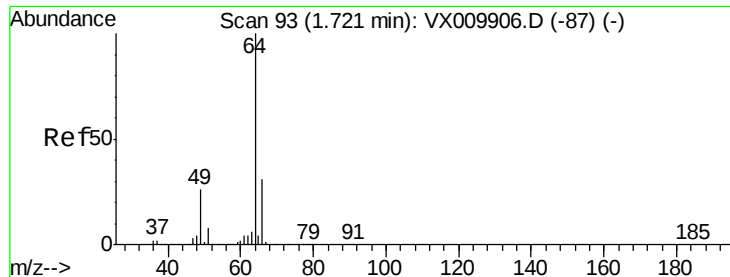
4000

2000

0

Time--> 1.35 1.40 1.45 1.50





#6

Chloroethane

Concen: 0.211 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

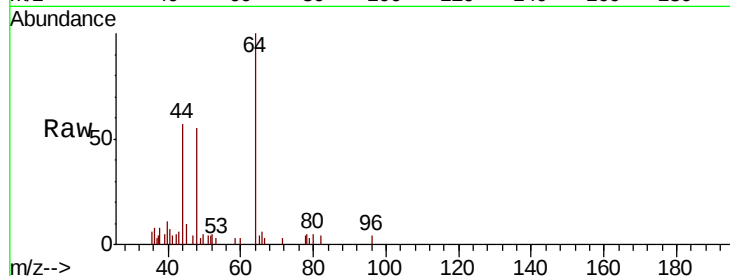
LF012MW029-190528

Tot Ion: 64 Resp: 330

Ion Ratio Lower Upper

64 100

66 20.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1500

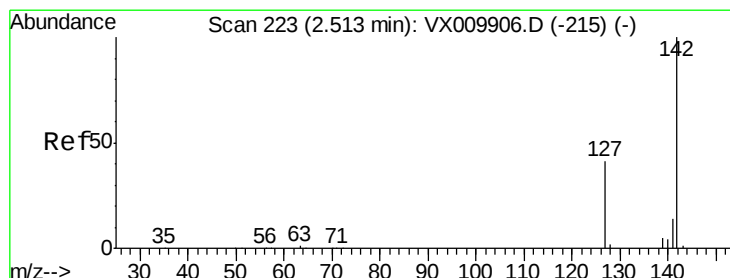
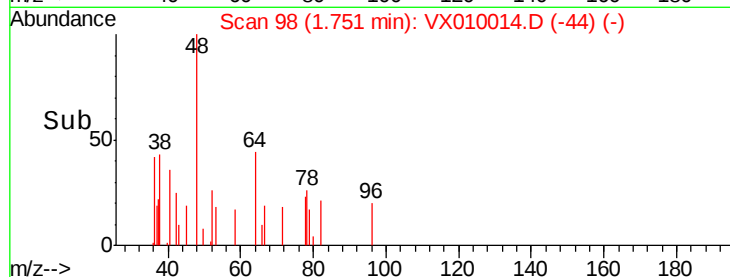
1000

500

0

1.73 1.74 1.75 1.76

Time-->



#10

Methyl Iodide

Concen: 4.665 ug/l

RT: 2.49 min Scan# 220

Delta R.T. -0.02 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

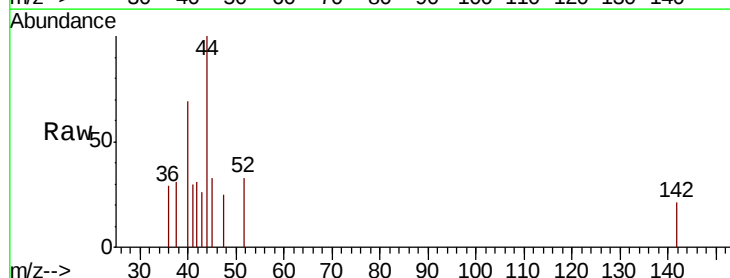
Tgt Ion: 142 Resp: 19

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

60

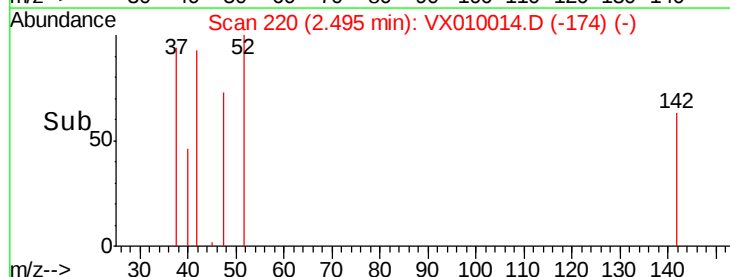
40

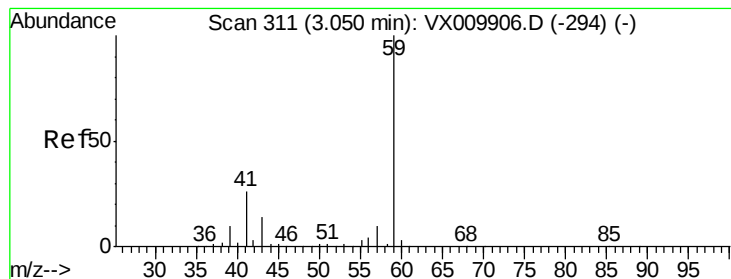
20

0

2.48 2.49 2.50 2.51

Time-->



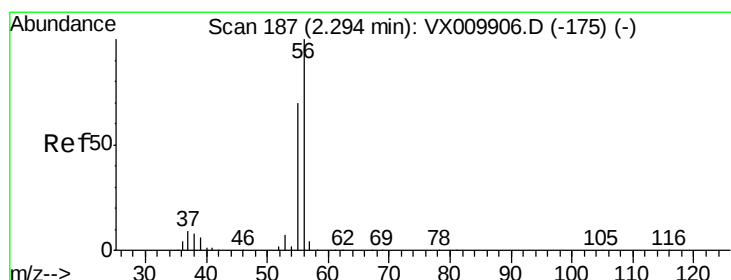
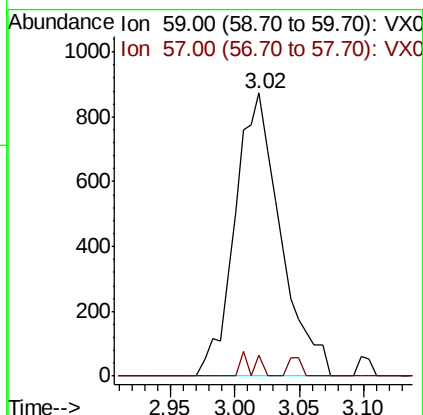
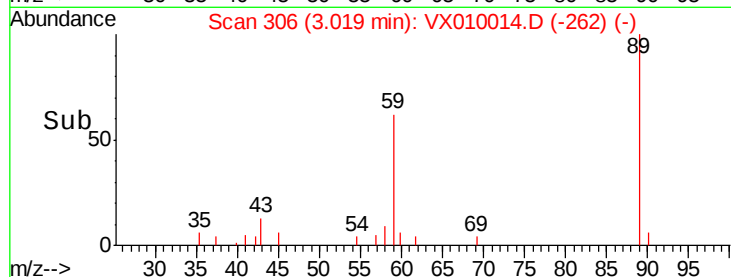
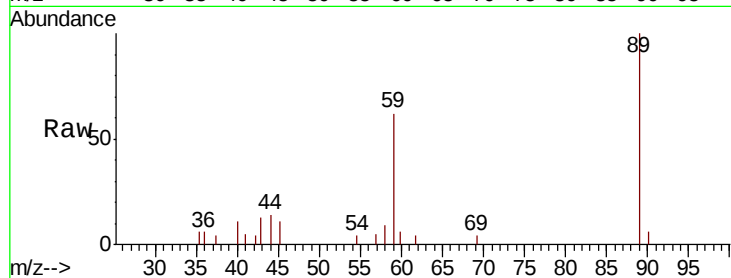


#11

Tert butyl alcohol
Concen: 3.600 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :
LF012MW029-190528

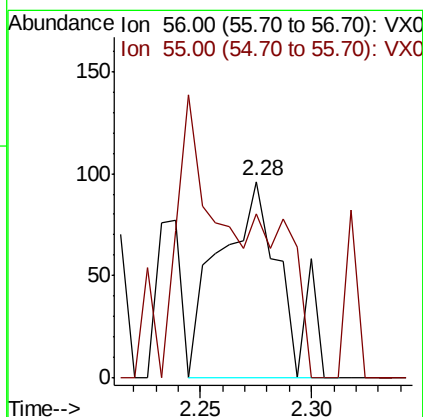
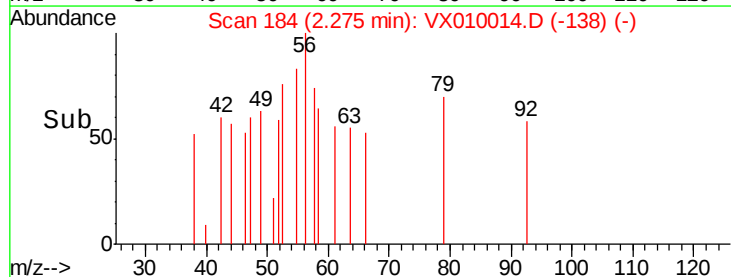
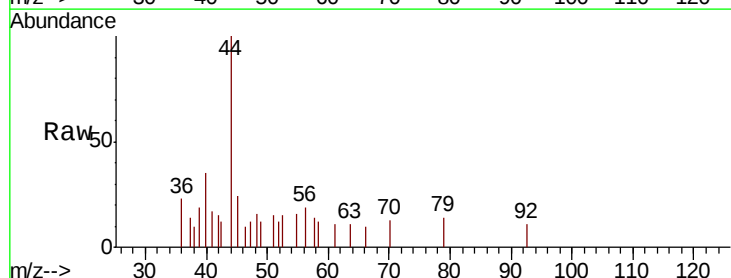
Tot Ion: 59 Resp: 2148
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.2#

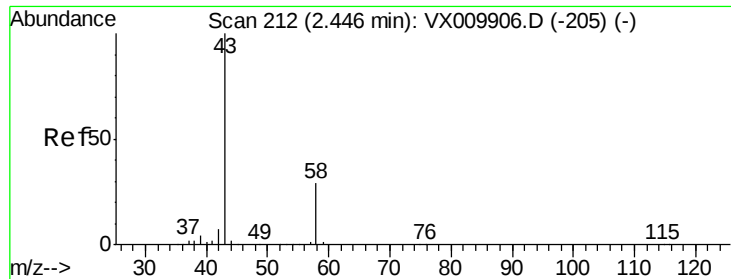


#13

Acrolein
Concen: 21.506 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 0.772 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

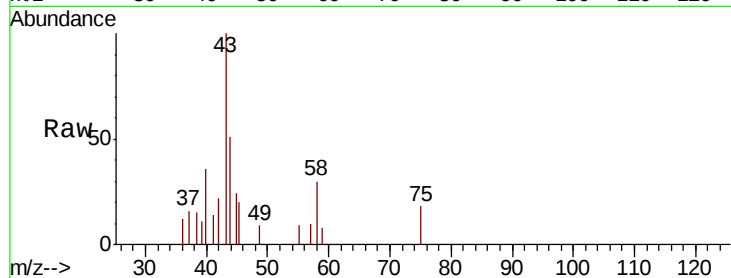
LF012MW029-190528

Tot Ion: 43 Resp: 1082

Ion Ratio Lower Upper

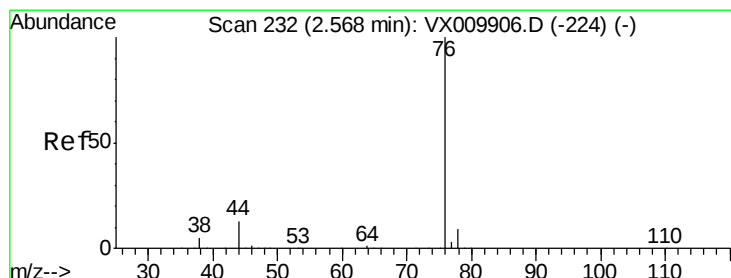
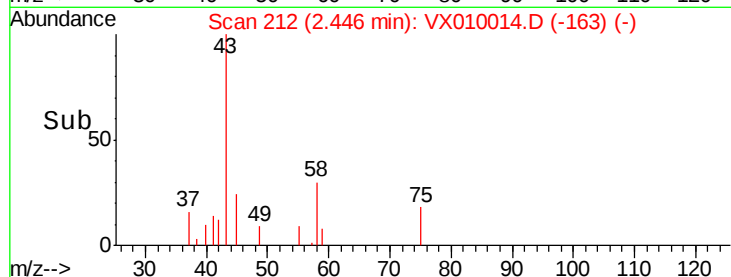
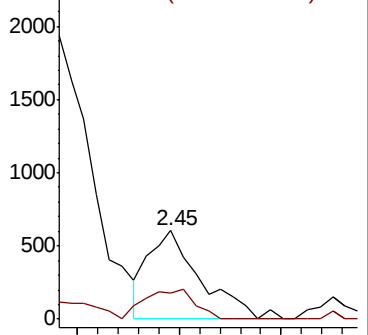
43 100

58 29.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.532 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010014.D

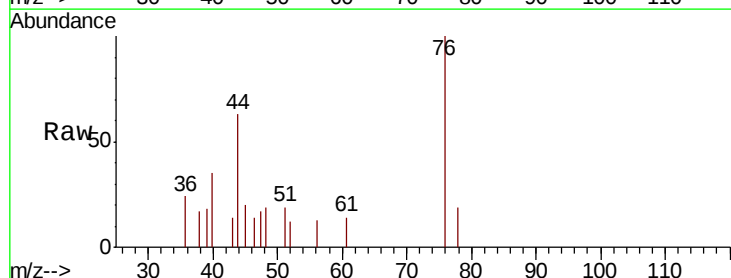
Acq: 01 Jun 2019 03:42

Tgt Ion: 76 Resp: 783

Ion Ratio Lower Upper

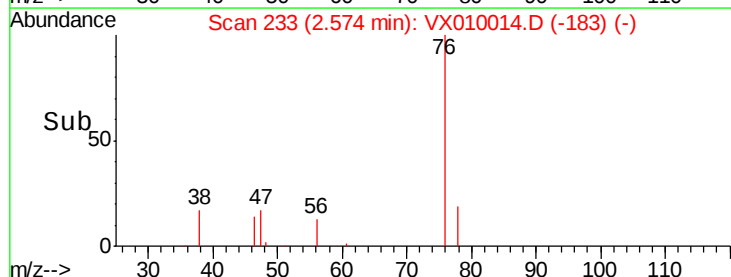
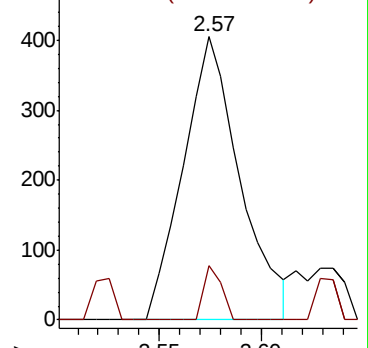
76 100

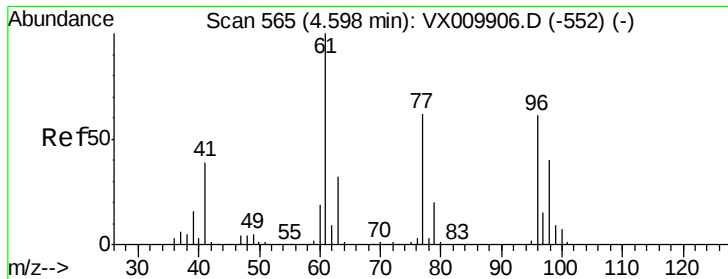
78 19.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



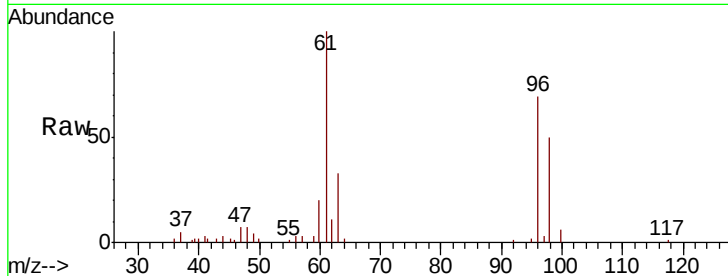


#27

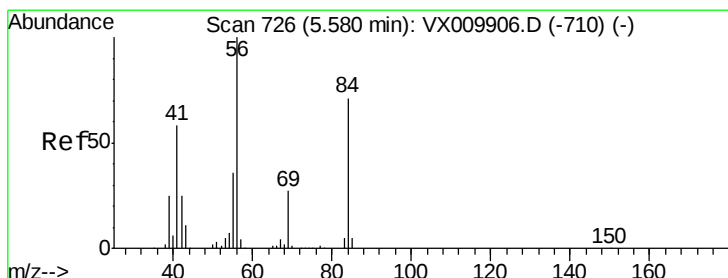
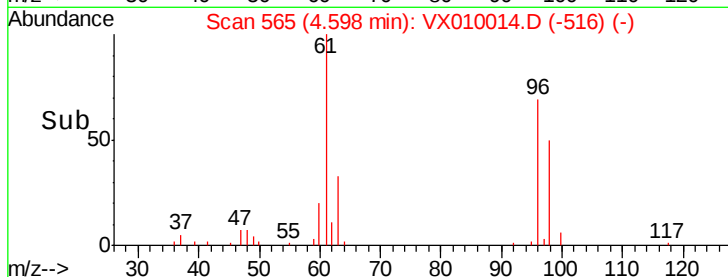
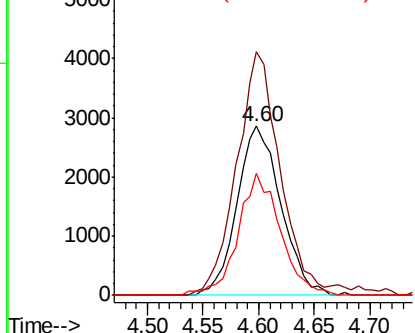
cis-1,2-Dichloroethene
Concen: 3.518 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

Instrument :
MSVOA_X
ClientSampleId :
LF012MW029-190528

Tot Ion: 96 Resp: 7854
Ion Ratio Lower Upper
96 100
61 144.2 0.0 334.0
98 69.4 0.0 131.6



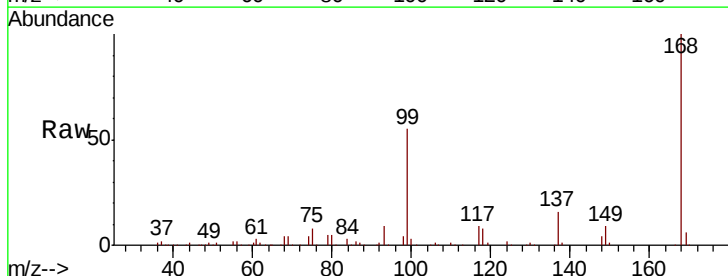
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



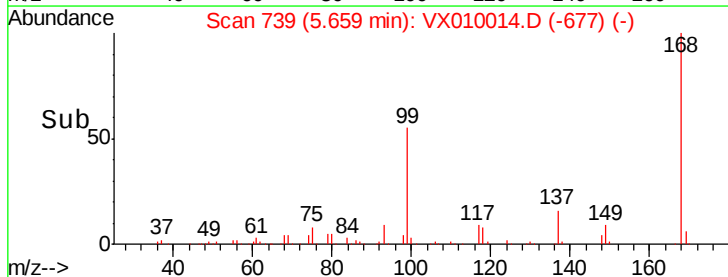
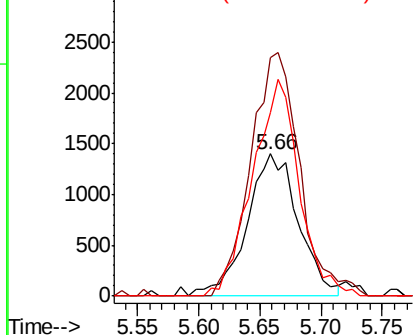
#31

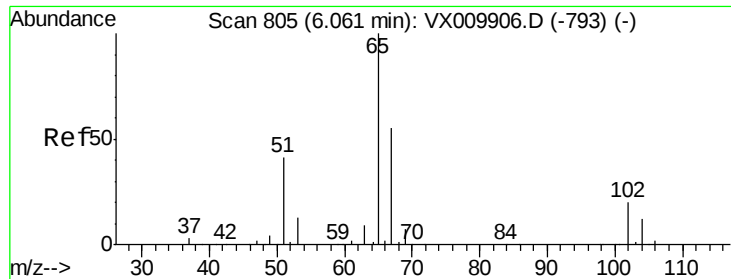
Cyclohexane
Concen: 1.107 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

Tgt Ion: 56 Resp: 4086
Ion Ratio Lower Upper
56 100
69 168.0 21.6 32.4#
84 129.4 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

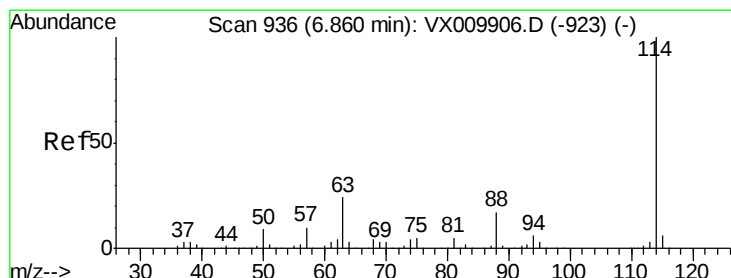
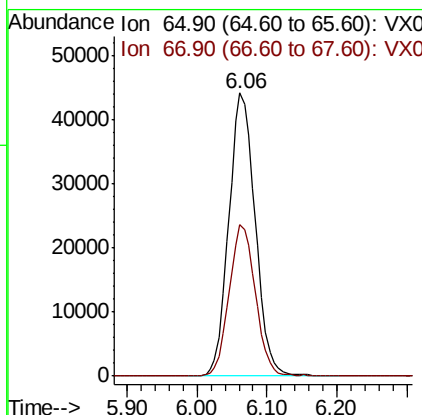
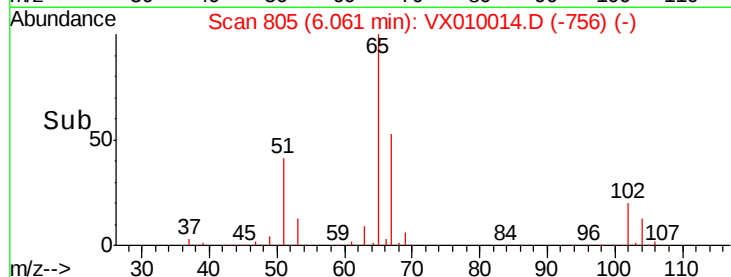
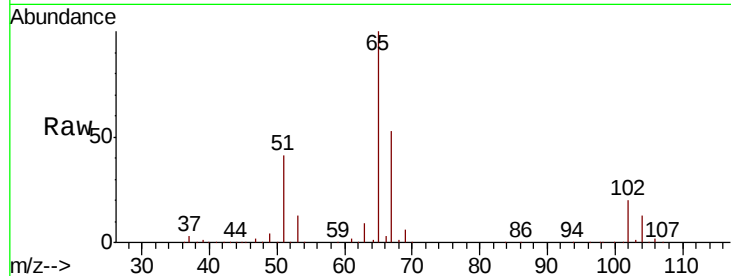




#33
 1,2-Dichloroethane-d4
 Concen: 47.963 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010014.D
 Acq: 01 Jun 2019 03:42

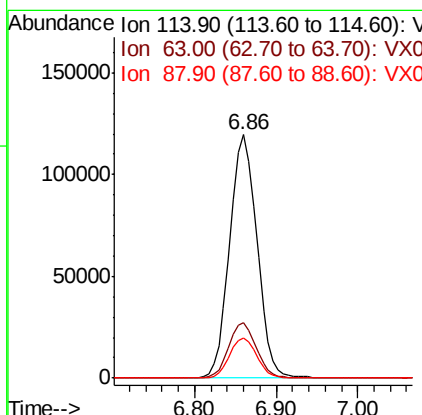
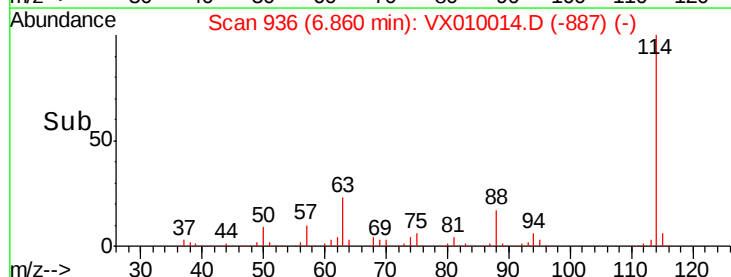
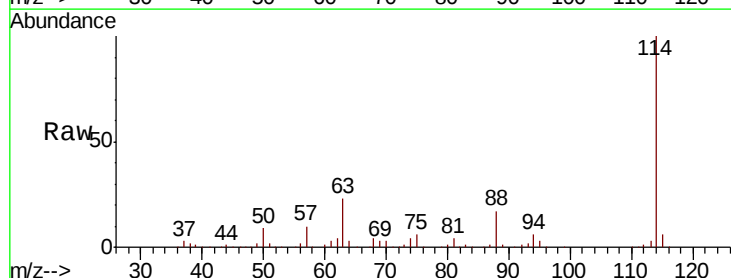
Instrument :
 MSVOA_X
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 LF012MW029-190528

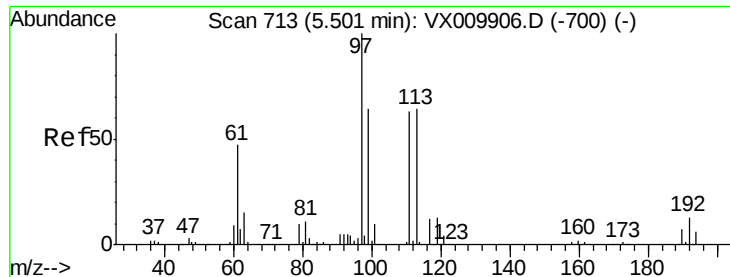
Tot Ion: 65 Resp: 116281
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010014.D
 Acq: 01 Jun 2019 03:42

Tgt Ion: 114 Resp: 277564
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.320 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-190528

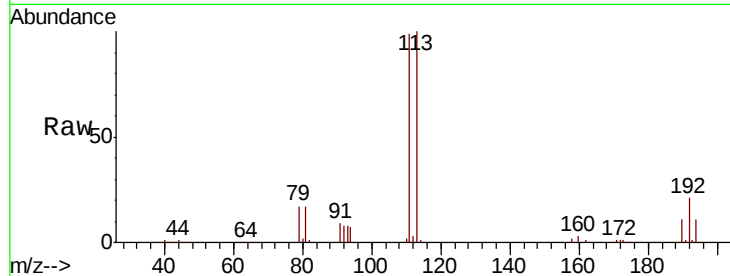
Tot Ion:113 Resp: 86066

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

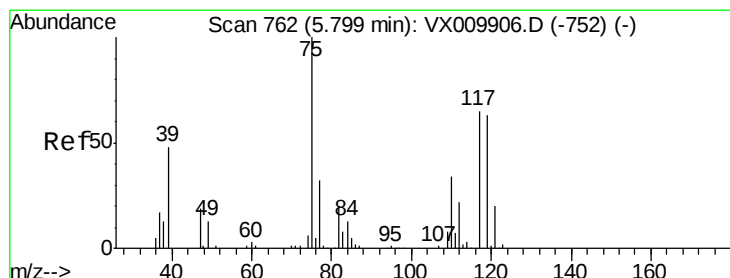
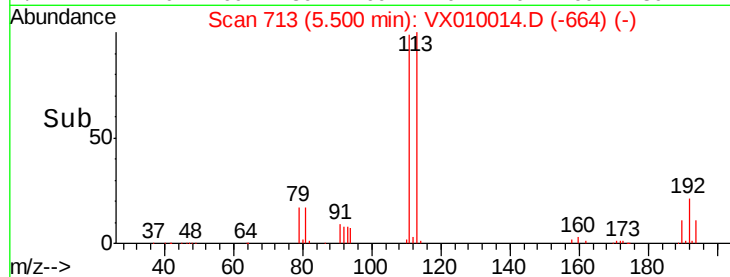
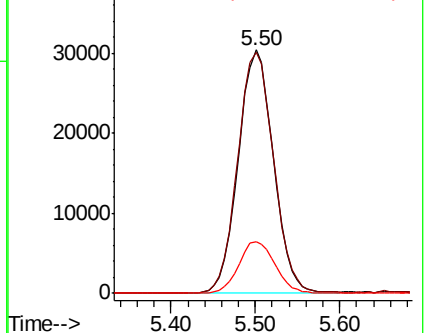
192 22.0 17.1 25.7



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: 4.665 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

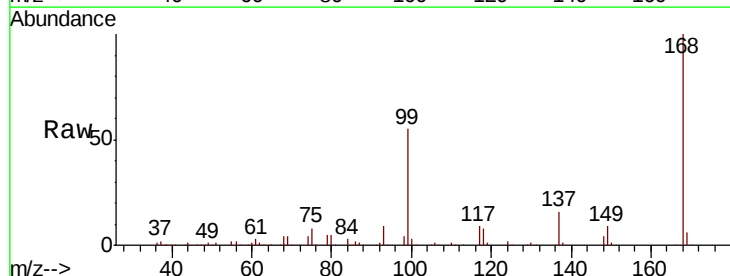
Tgt Ion: 75 Resp: 13138

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

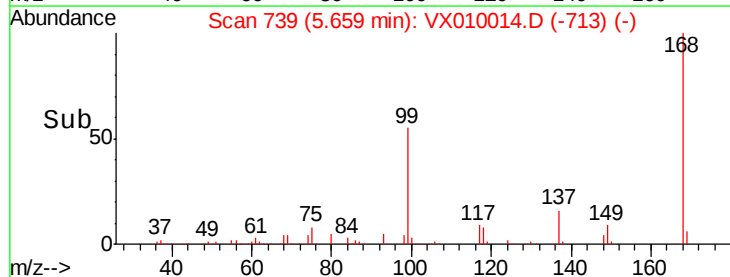
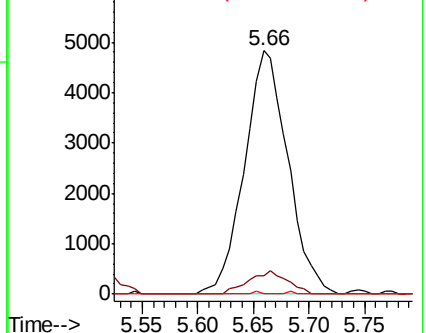
77 0.2 25.0 37.4#

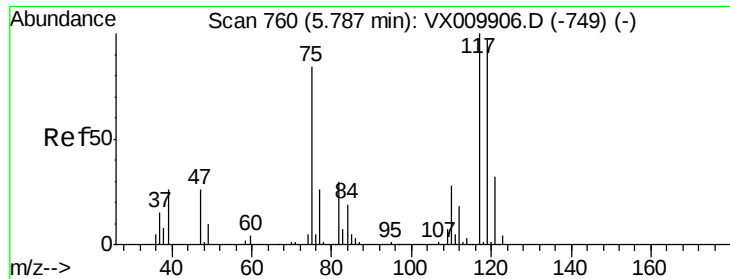


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-190528

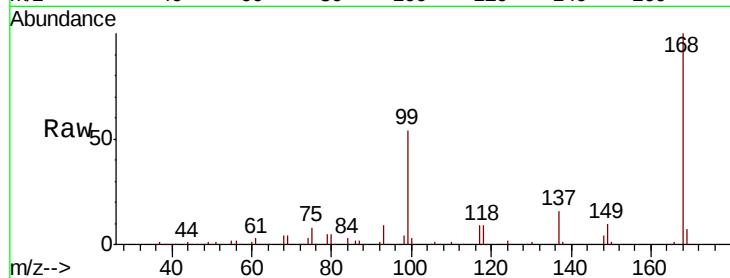
Tot Ion:117 Resp: 16093

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

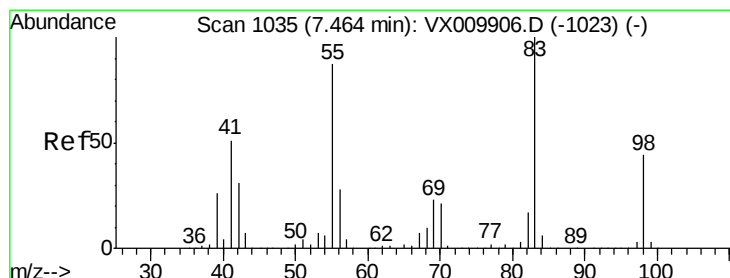
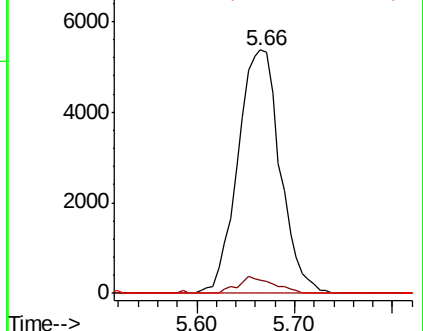
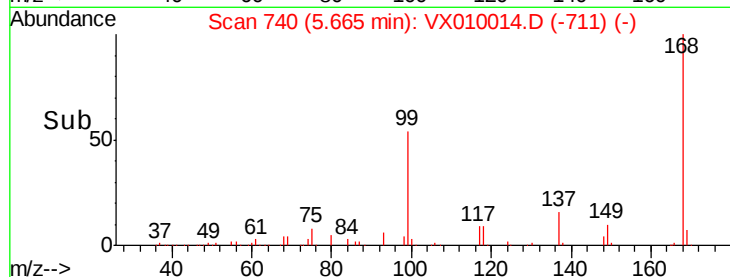
121 0.0 25.4 38.0#



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



#39

Methylcyclohexane

Concen: 0.210 ug/l

RT: 7.44 min Scan# 1031

Delta R.T. -0.02 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

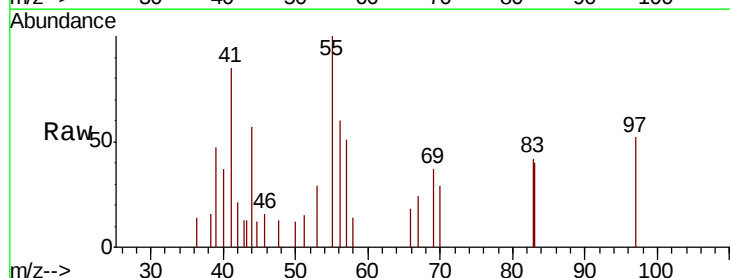
Tgt Ion: 83 Resp: 701

Ion Ratio Lower Upper

83 100

55 121.7 69.9 104.9#

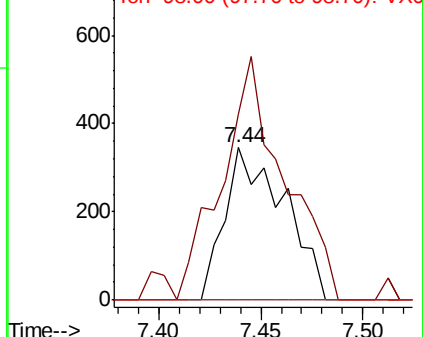
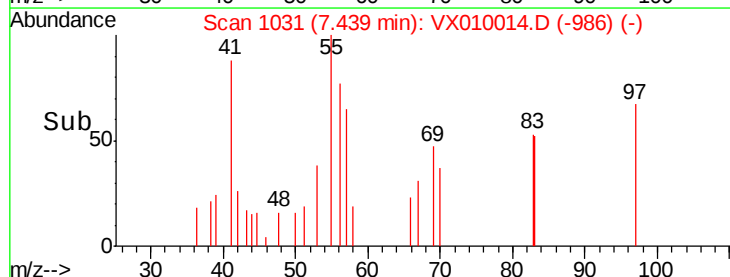
98 0.0 35.1 52.7#

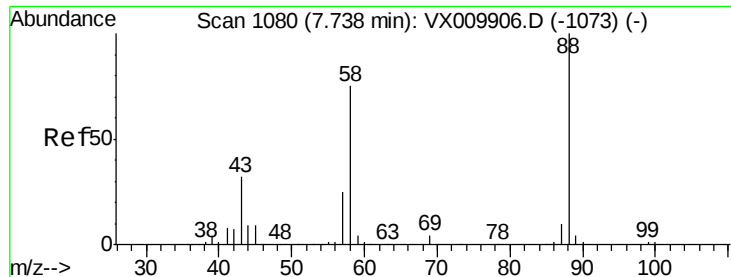


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#49

1,4-Dioxane

Concen: 0.669 ug/l

RT: 7.98 min Scan# 1119

Delta R.T. 0.24 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-190528

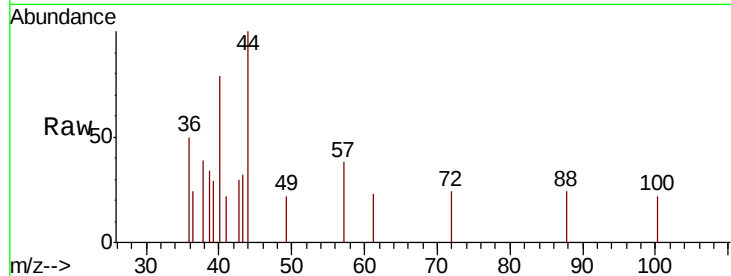
Tot Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 489.7 30.2 45.4#

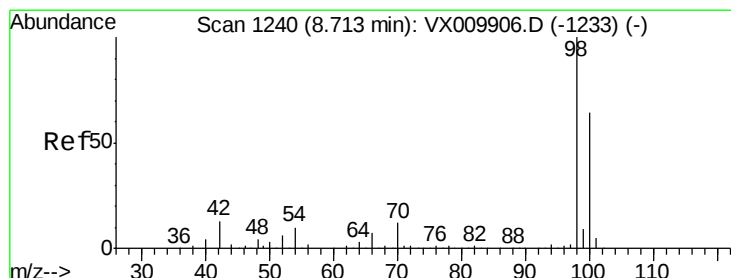
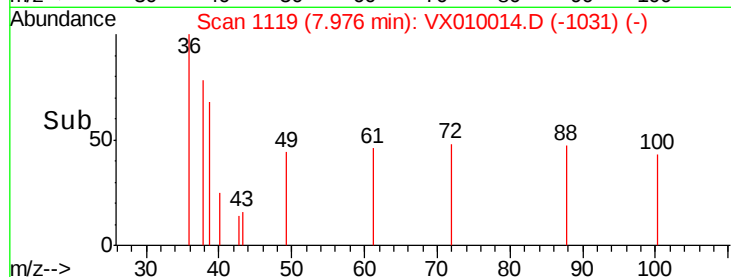
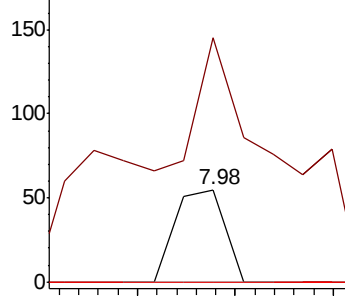
58 0.0 64.0 96.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.626 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010014.D

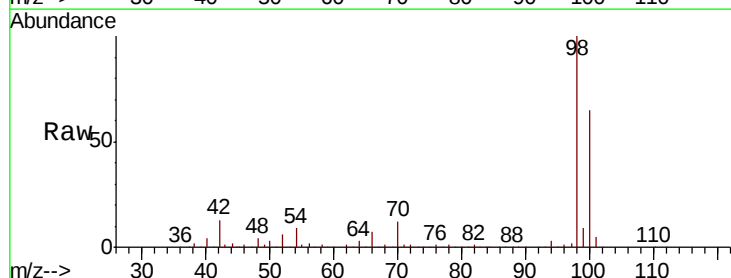
Acq: 01 Jun 2019 03:42

Tgt Ion: 98 Resp: 351665

Ion Ratio Lower Upper

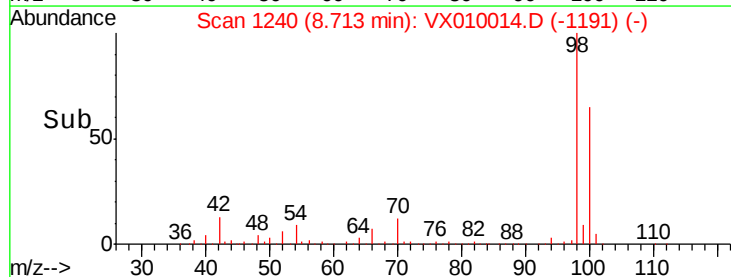
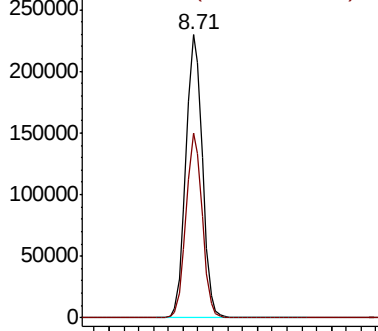
98 100

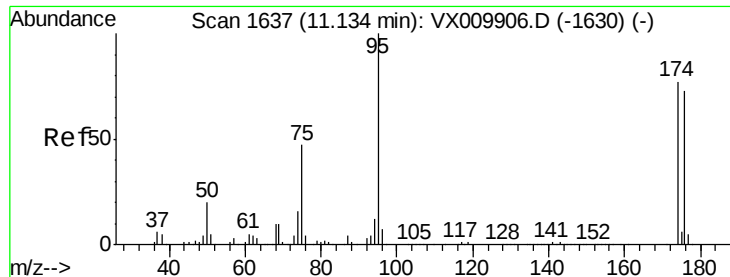
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.488 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

LF012MW029-190528

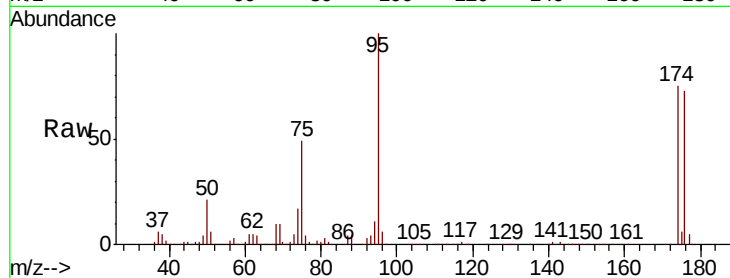
Tot Ion: 95 Resp: 120869

Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.4

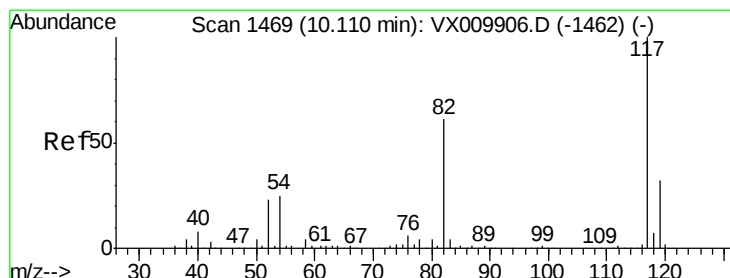
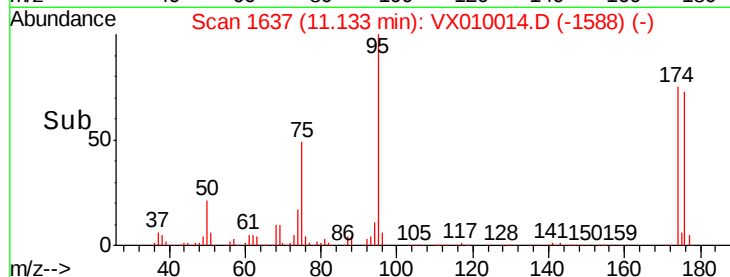
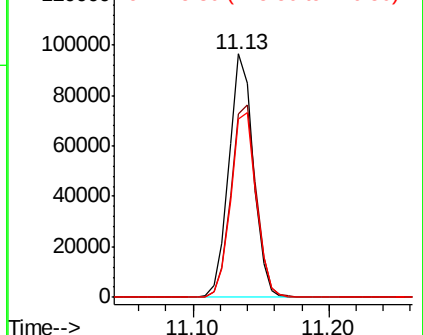
176 78.8 0.0 154.6



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: VX010014.D

Acq: 01 Jun 2019 03:42

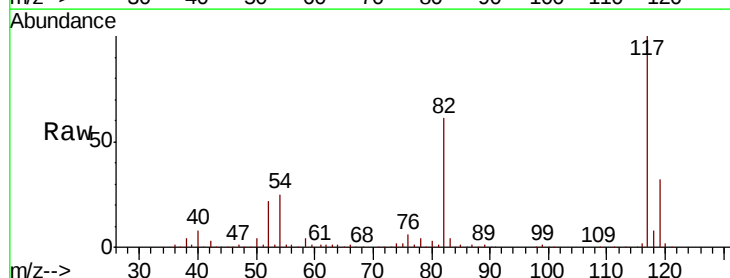
Tgt Ion: 117 Resp: 250296

Ion Ratio Lower Upper

117 100

82 61.2 49.2 73.8

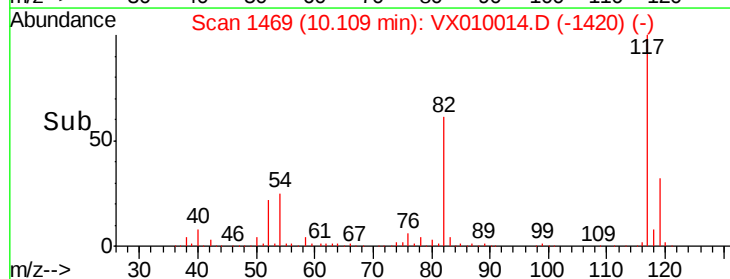
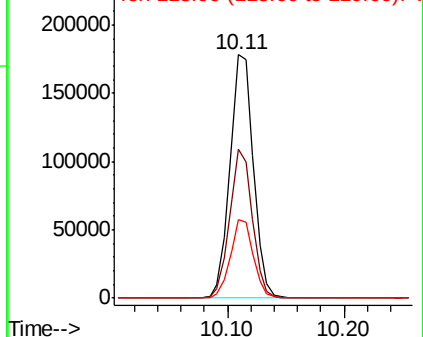
119 32.2 25.2 37.8

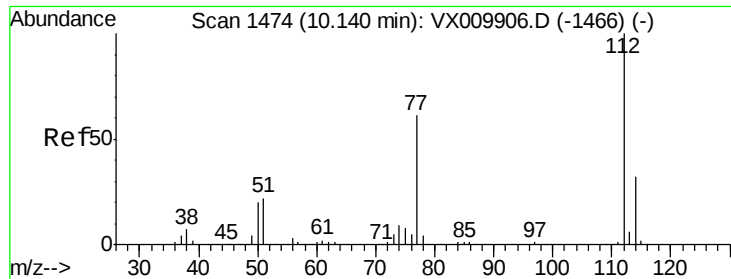


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

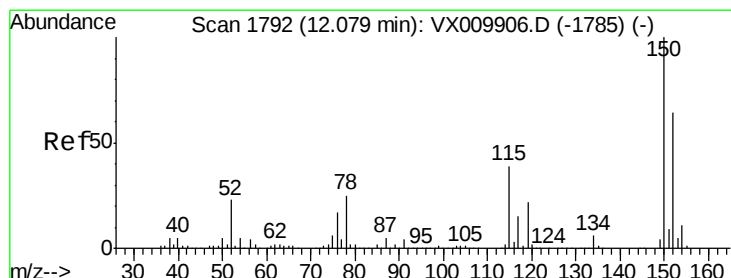
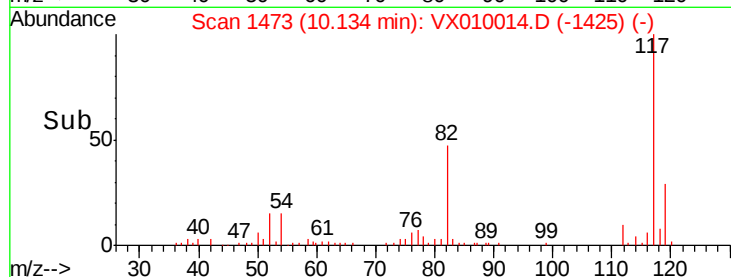
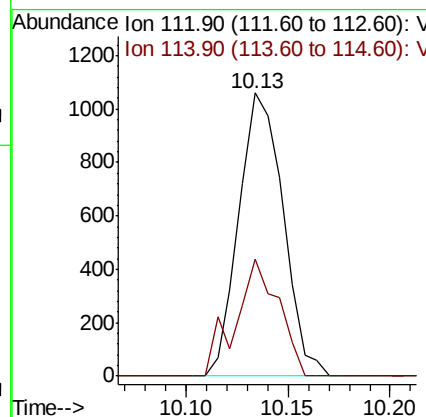
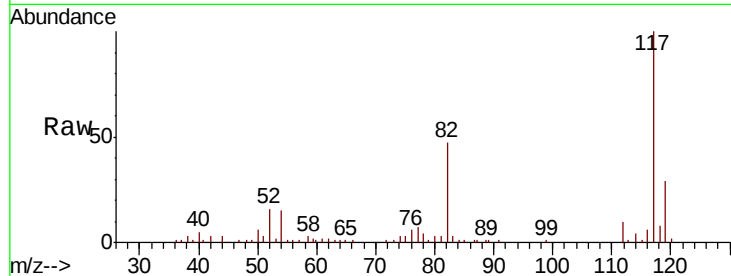




#65
Chlorobenzene
Concen: 0.306 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

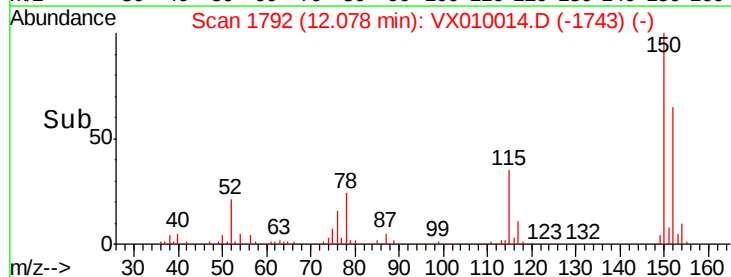
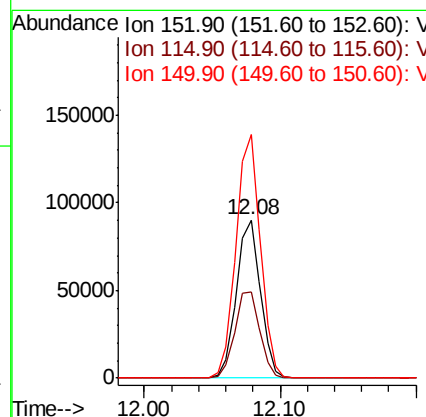
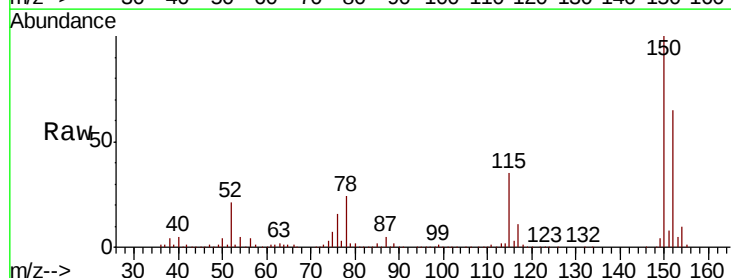
Instrument :
MSVOA_X
ClientSampleId :
LF012MW029-190528

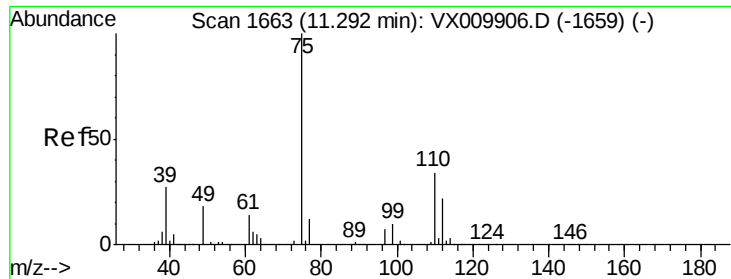
Tot Ion:112 Resp: 1601
Ion Ratio Lower Upper
112 100
114 41.5 25.8 38.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010014.D
Acq: 01 Jun 2019 03:42

Tgt Ion:152 Resp: 111271
Ion Ratio Lower Upper
152 100
115 57.0 41.4 124.2
150 156.0 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 22.714 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

Instrument :

MSVOA_X

ClientSampleId :

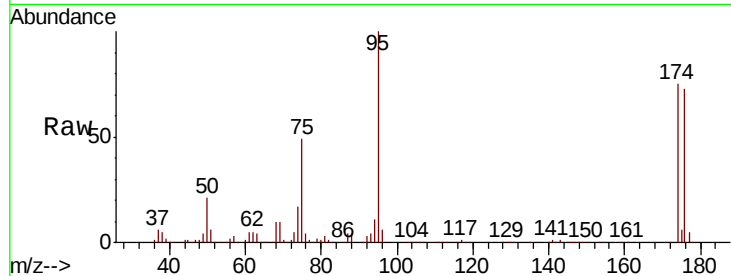
LF012MW029-190528

Tot Ion: 75 Resp: 60438

Ion Ratio Lower Upper

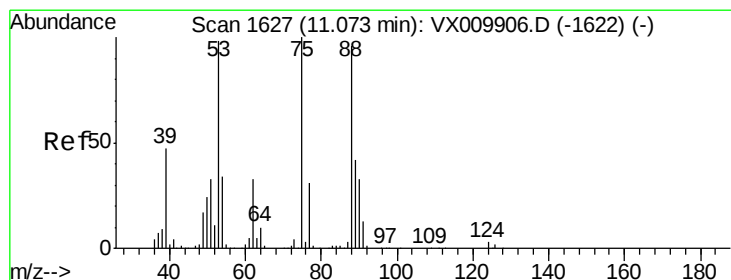
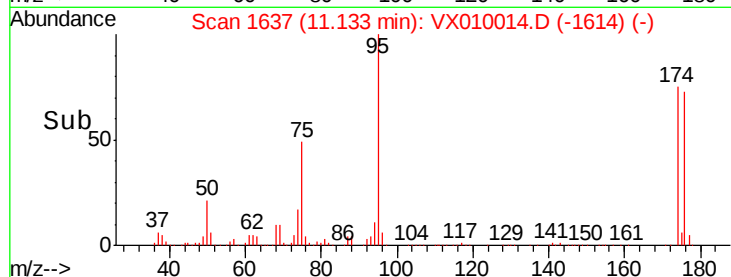
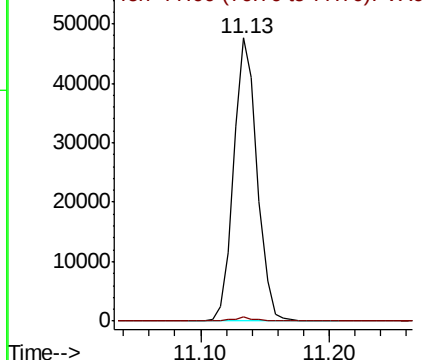
75 100

77 1.3 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: 56.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010014.D

Acq: 01 Jun 2019 03:42

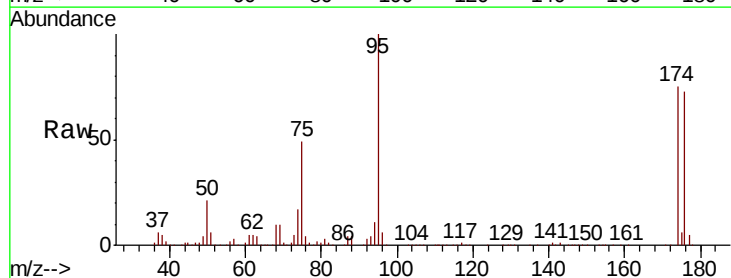
Tgt Ion: 75 Resp: 60438

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

