

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010028.D
 Acq On : 03 Jun 2019 12:07
 Operator : JC/SP
 Sample : K3129-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:38:49 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	195299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311934	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121963	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	128900	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	5.50	113	95691	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	8.71	98	395942	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	131984	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

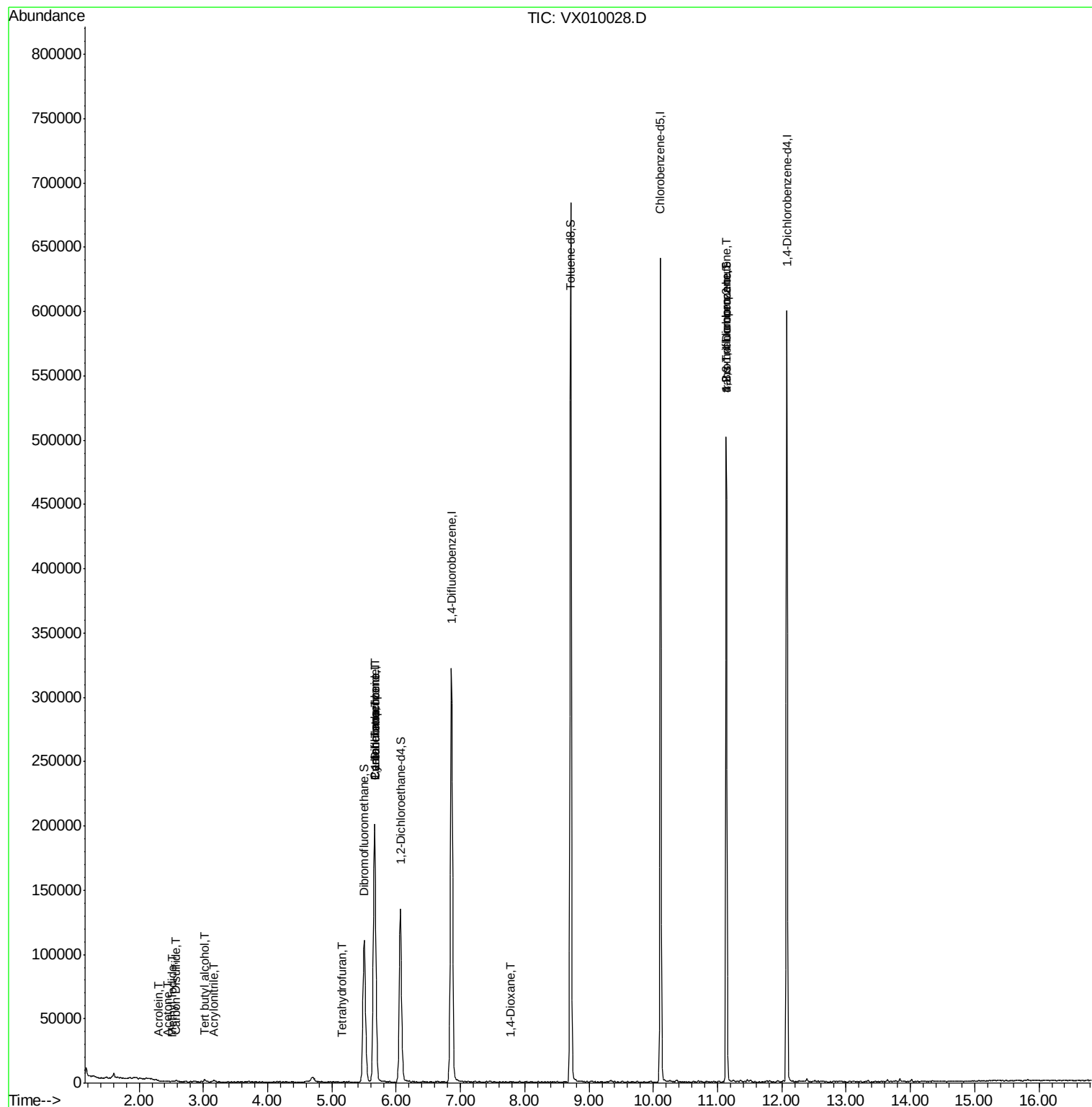
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	476	4.837	ug/l #	80
11) Tert butyl alcohol	3.03	59	1202	1.770	ug/l #	73
13) Acrolein	2.29	56	261	21.593	ug/l	88
15) Acrylonitrile	3.15	53	534	0.326	ug/l #	73
16) Acetone	2.45	43	795	0.499	ug/l	95
17) Carbon Disulfide	2.57	76	1549	0.641	ug/l #	91
29) Tetrahydrofuran	5.17	42	370	0.232	ug/l #	44
31) Cyclohexane	5.66	56	4572	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15269	4.824	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17915	6.550	ug/l #	16
49) 1,4-Dioxane	7.78	88	22	0.336	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67590	23.175	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	67590	57.339	ug/l #	10

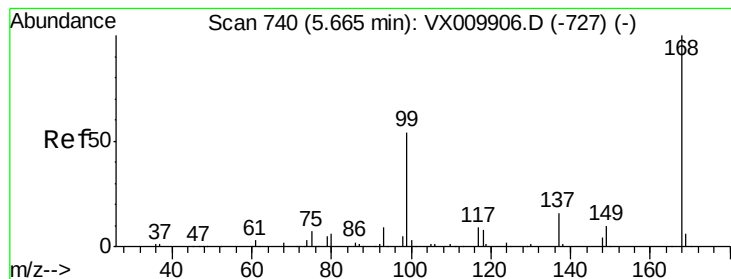
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

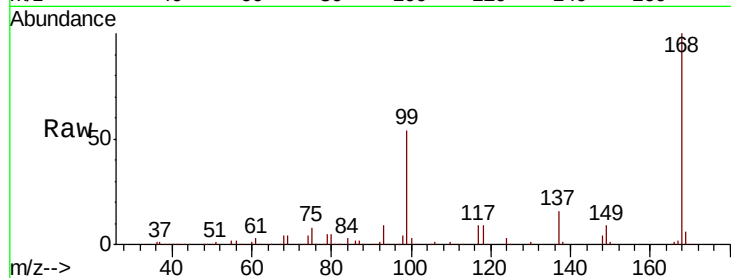
ClientSampled :

Tot Ion:168 Resp: 195299

Ion Ratio Lower Upper

168 100

99 53.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

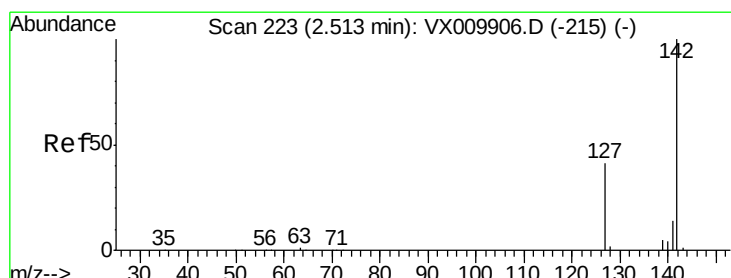
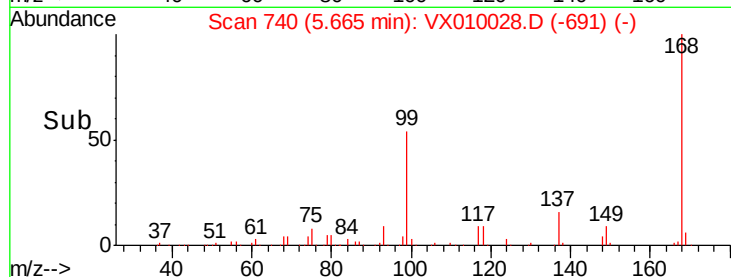
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.837 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

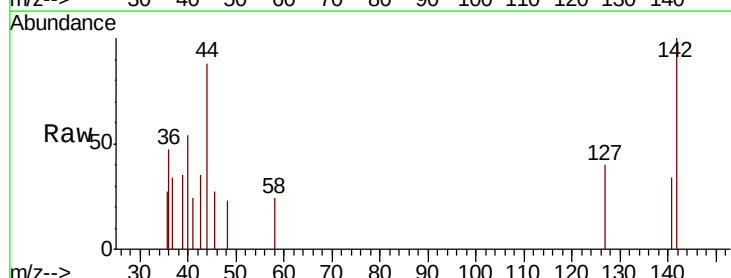
Tgt Ion:142 Resp: 476

Ion Ratio Lower Upper

142 100

127 53.6 33.0 49.4#

141 6.1 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

2.52

300

250

200

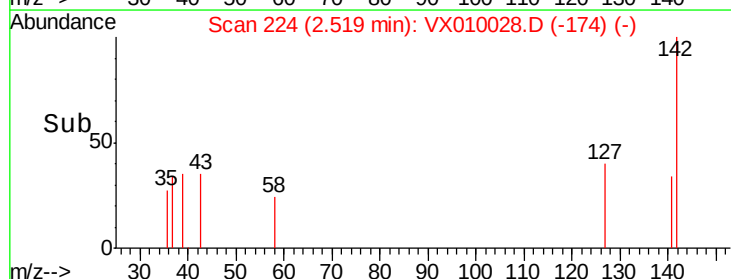
150

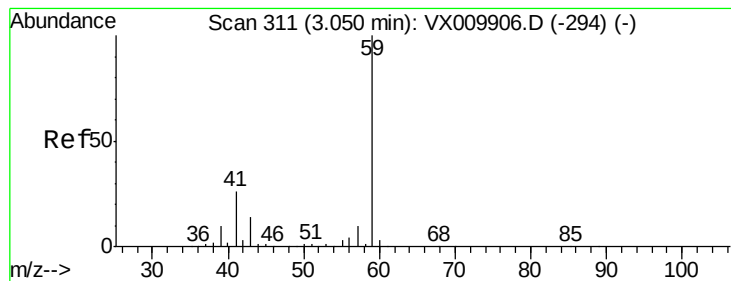
100

50

0

Time--> 2.50 2.55



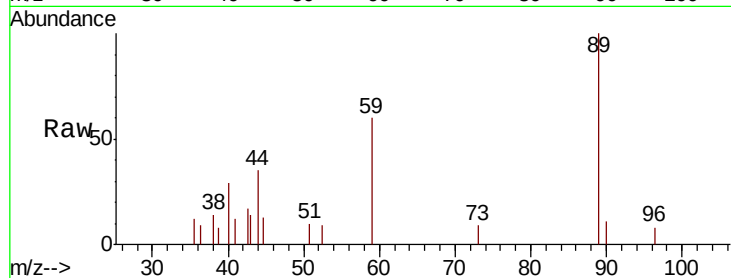


#11

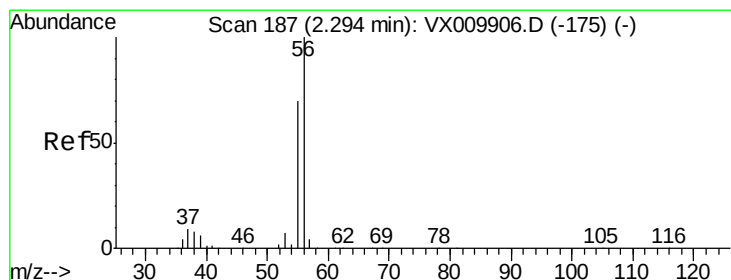
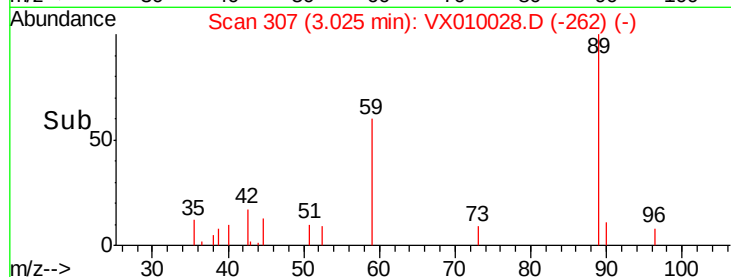
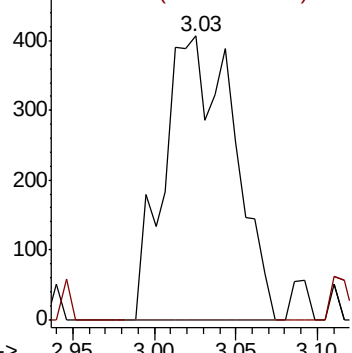
Tert butyl alcohol
 Concen: 1.770 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 1202
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



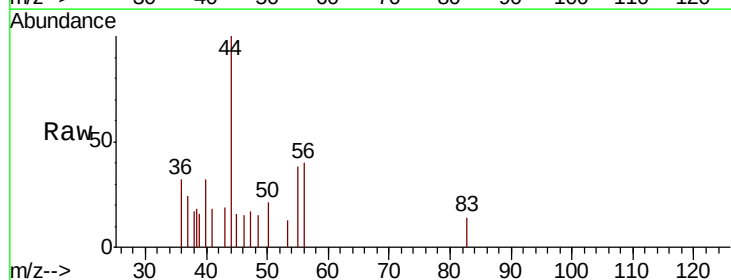
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



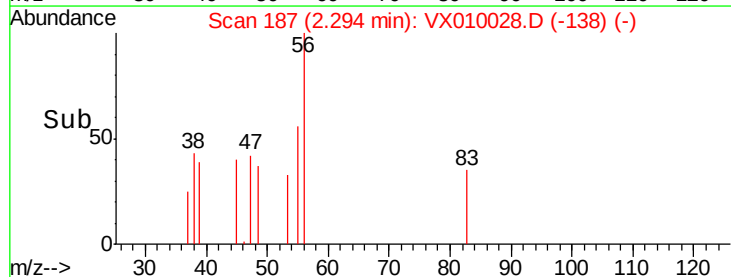
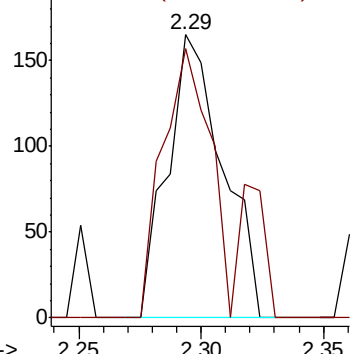
#13

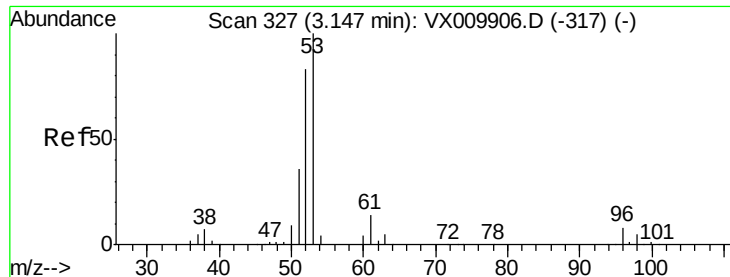
Acrolein
 Concen: 21.593 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Tgt Ion: 56 Resp: 261
 Ion Ratio Lower Upper
 56 100
 55 81.2 57.0 85.4



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





#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampled :

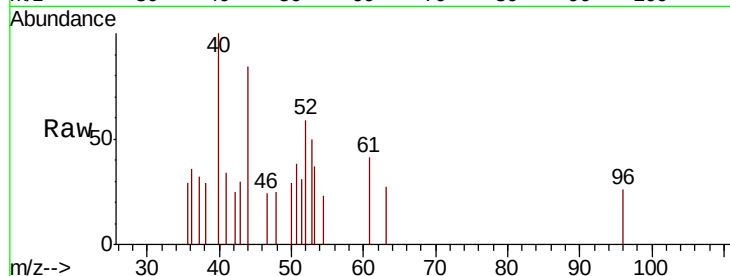
Tot Ion: 53 Resp: 534

Ion Ratio Lower Upper

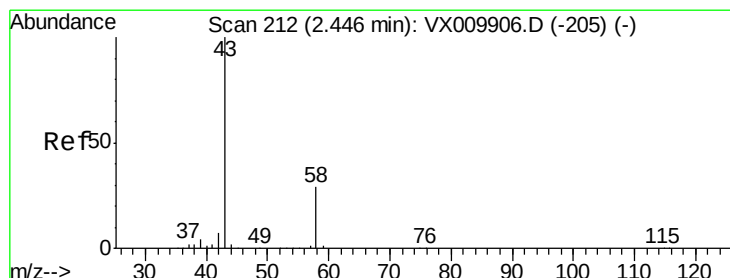
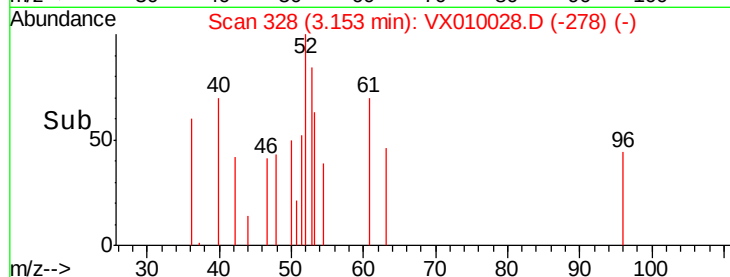
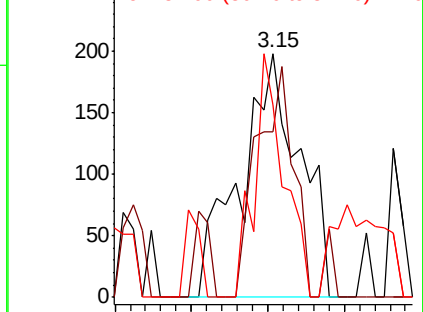
53 100

52 58.2 66.7 100.1#

51 50.0 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.499 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010028.D

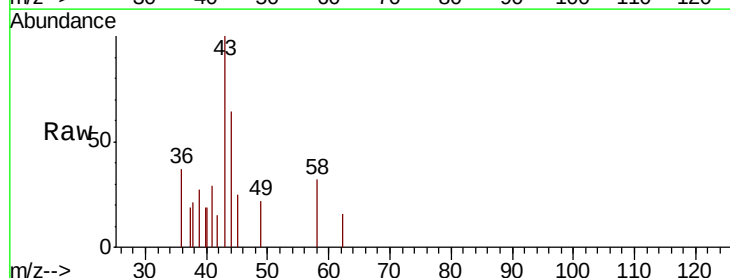
Acq: 03 Jun 2019 12:07

Tgt Ion: 43 Resp: 795

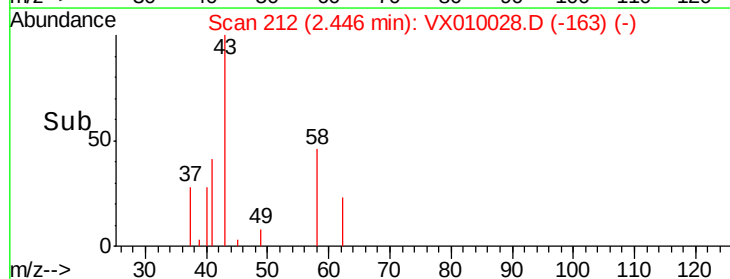
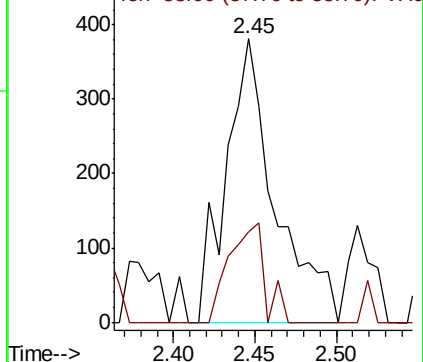
Ion Ratio Lower Upper

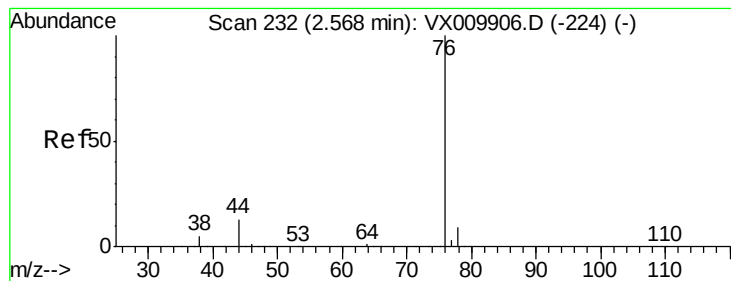
43 100

58 31.8 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: 0.641 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

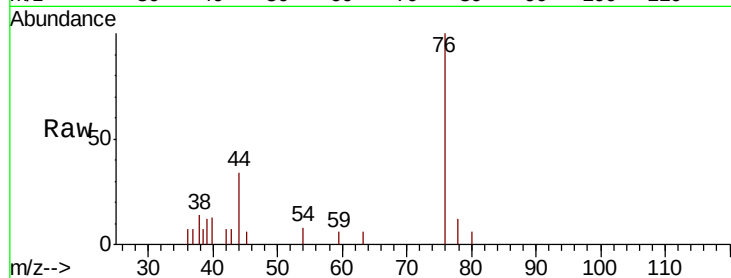
ClientSampled :

Tot Ion: 76 Resp: 1549

Ion Ratio Lower Upper

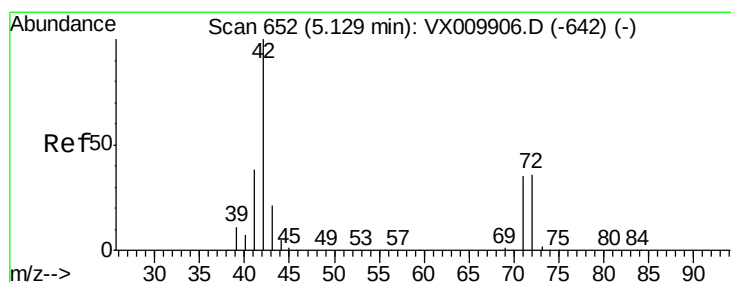
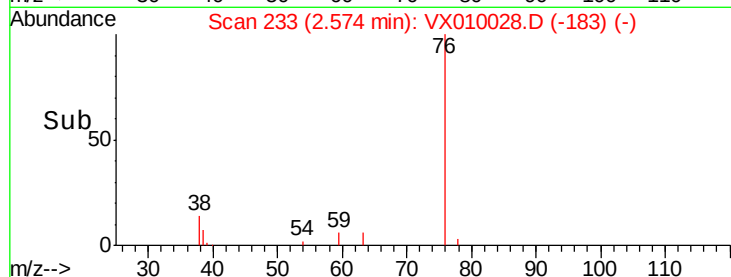
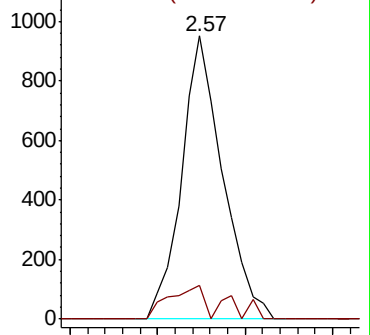
76 100

78 12.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.04 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

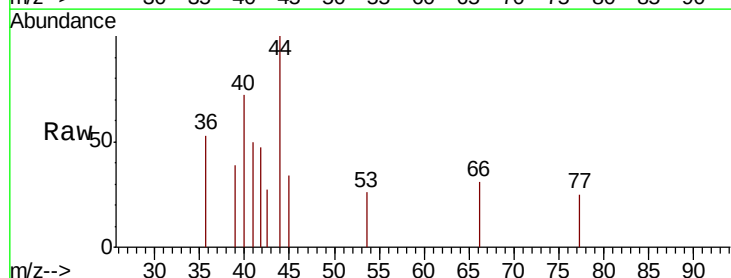
Tgt Ion: 42 Resp: 370

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

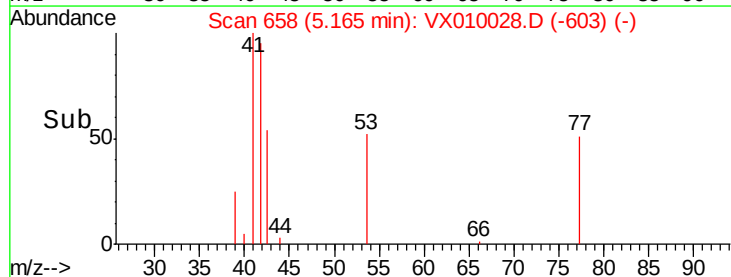
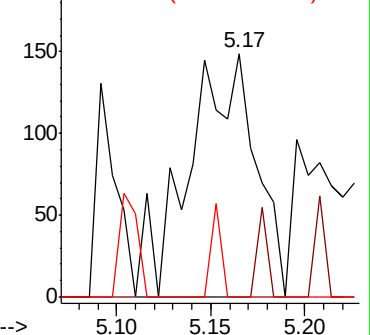
71 5.7 27.6 41.4#

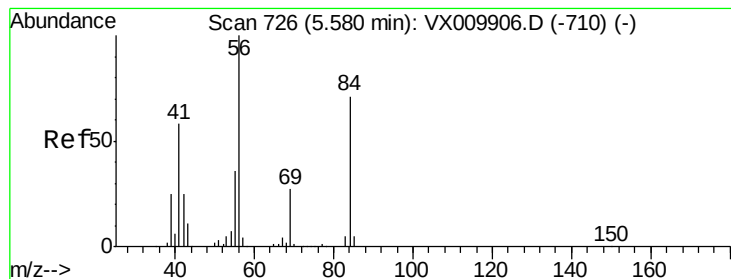


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.089 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

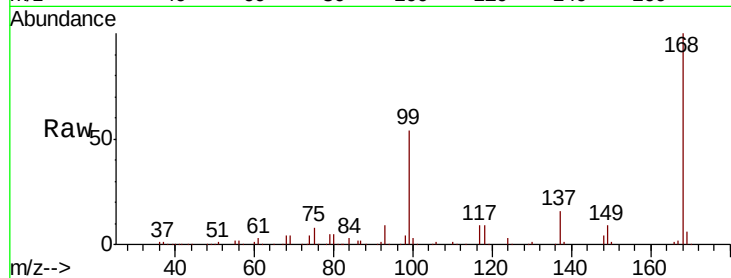
Tot Ion: 56 Resp: 4572

Ion Ratio Lower Upper

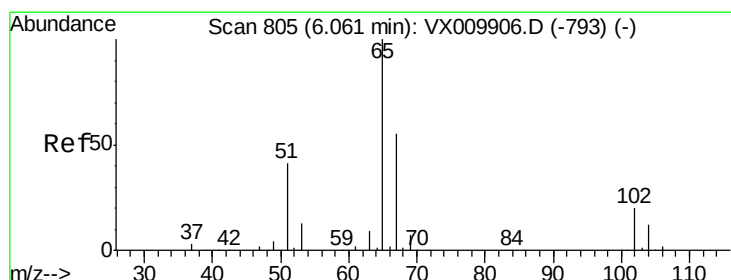
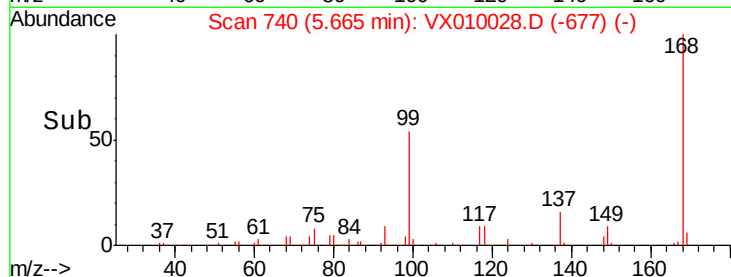
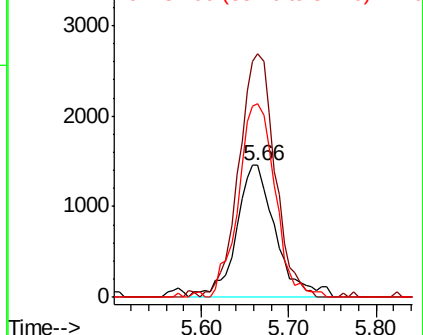
56 100

69 184.4 21.6 32.4#

84 146.7 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: 46.724 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010028.D

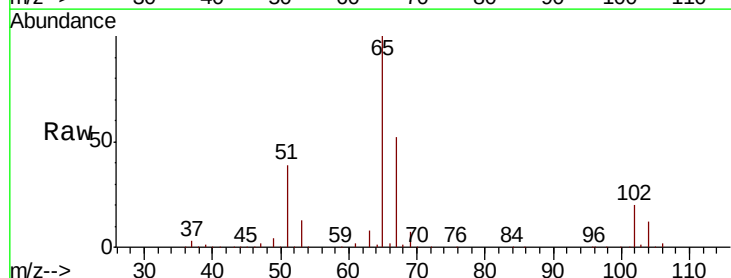
Acq: 03 Jun 2019 12:07

Tgt Ion: 65 Resp: 128900

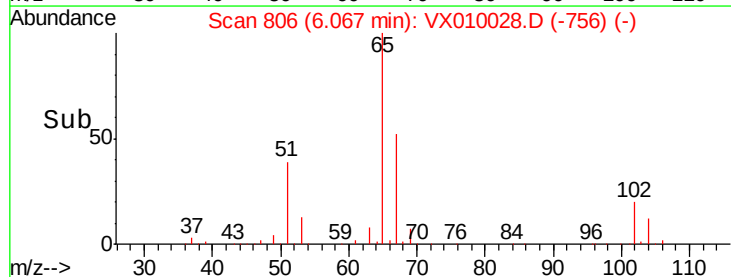
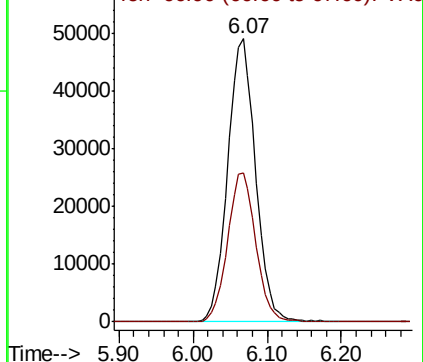
Ion Ratio Lower Upper

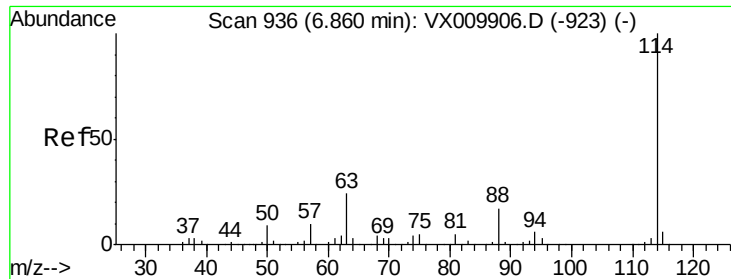
65 100

67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

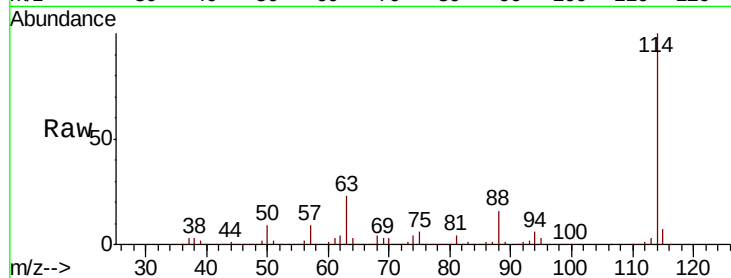




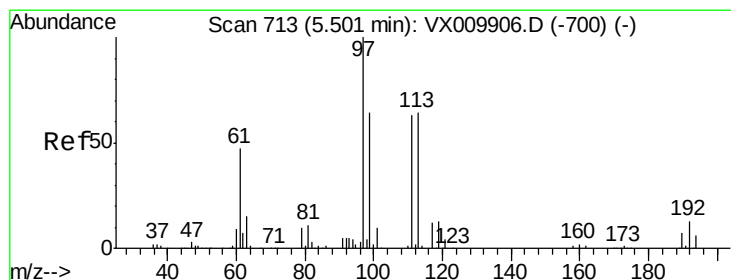
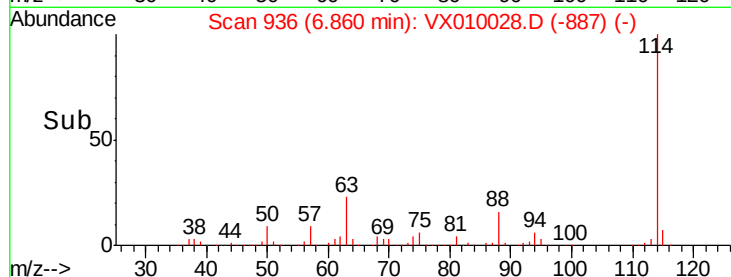
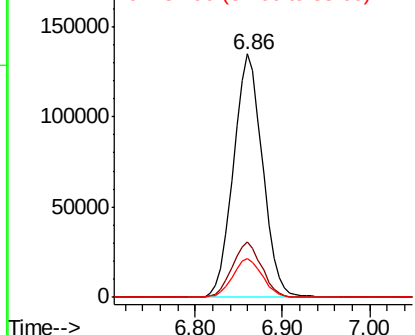
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 311934
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.2 0.0 33.0

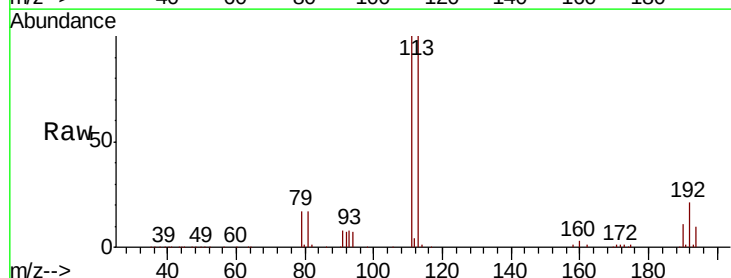


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

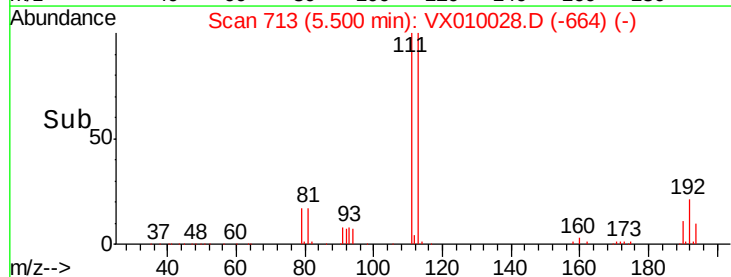
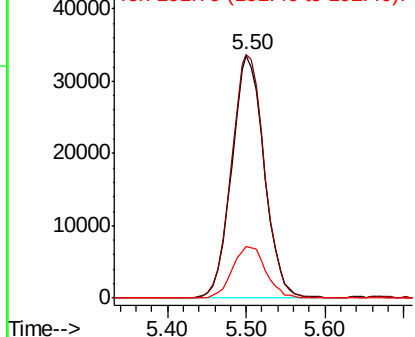


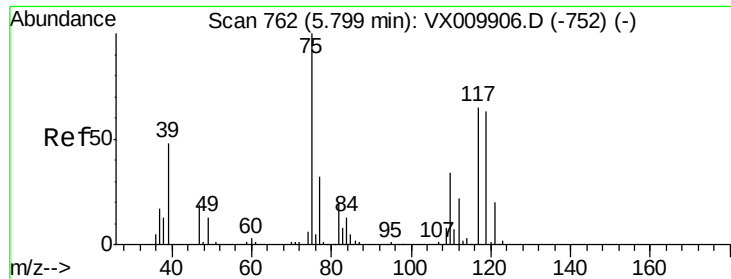
#35
 Dibromofluoromethane
 Concen: 48.794 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Tgt Ion:113 Resp: 95691
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.2
 192 21.9 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

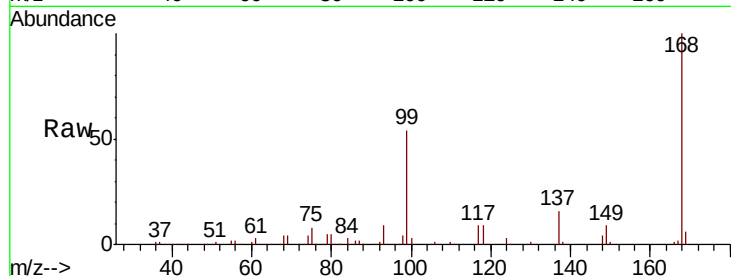




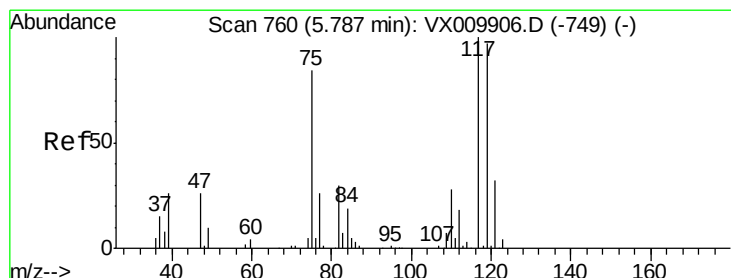
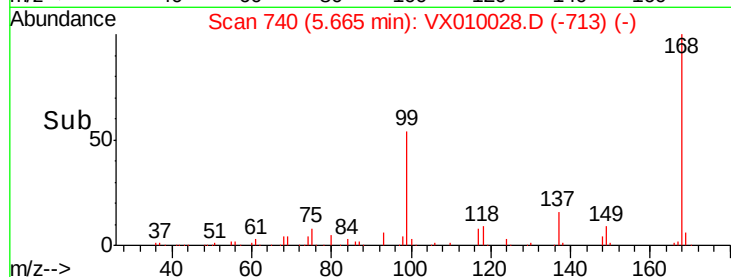
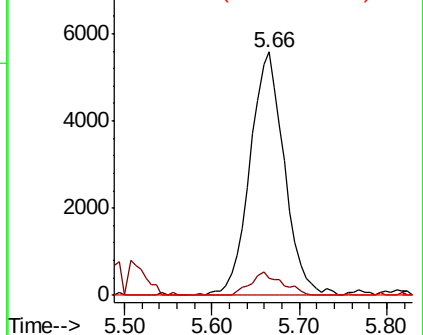
#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.7	50.1#
77	0.0	25.0	37.4#

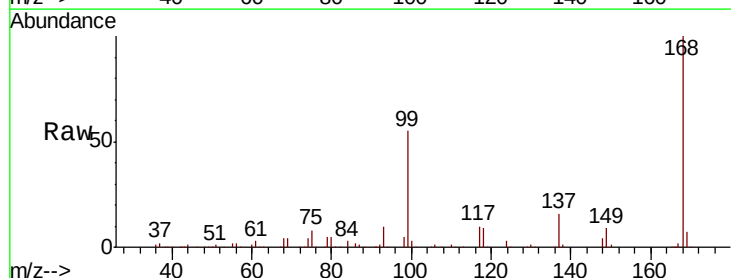


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

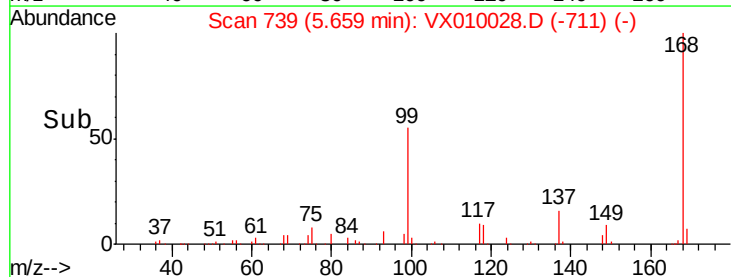
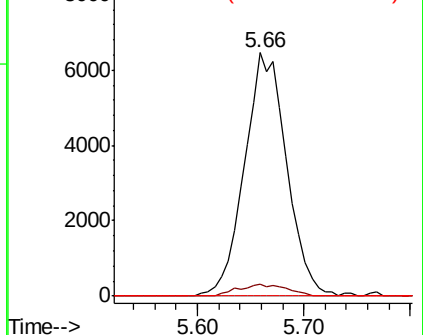


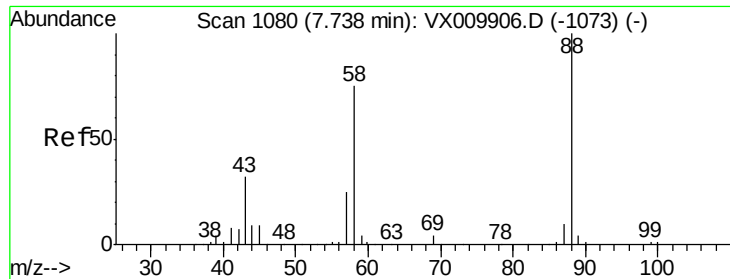
#38
 Carbon Tetrachloride
 Concen: 6.550 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010028.D
 Acq: 03 Jun 2019 12:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	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





#49

1,4-Dioxane

Concen: 0.336 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

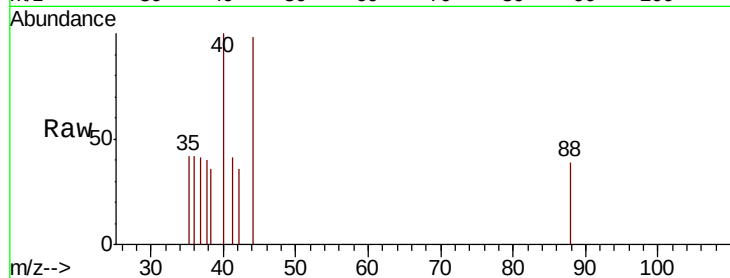
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 445.5 30.2 45.4#

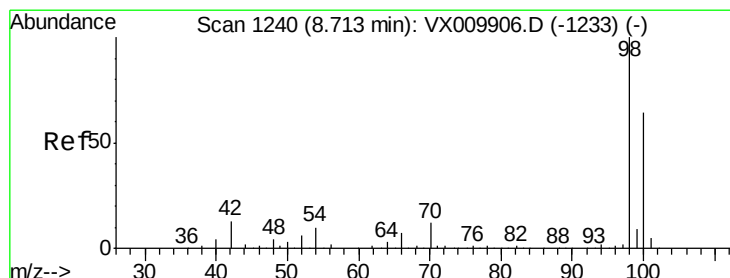
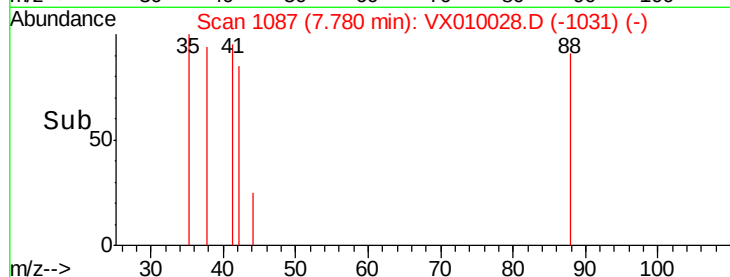
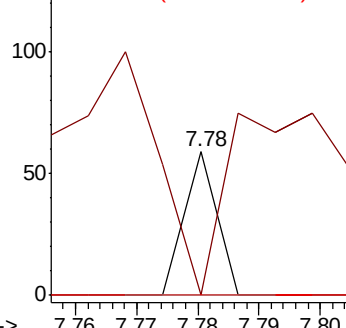
58 0.0 64.0 96.0#



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: 49.718 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010028.D

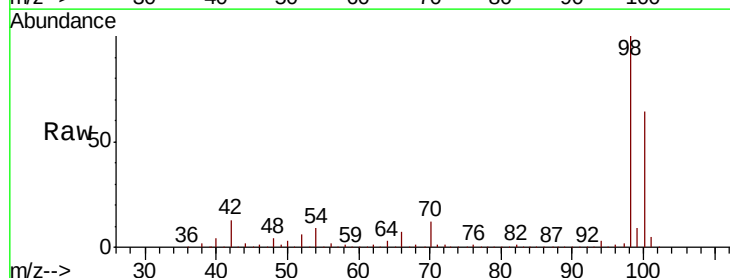
Acq: 03 Jun 2019 12:07

Tgt Ion: 98 Resp: 395942

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

300000

250000

200000

150000

100000

50000

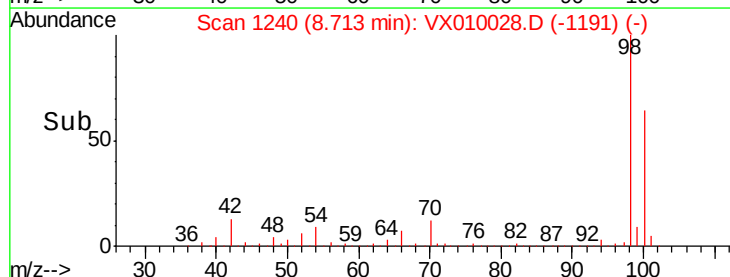
0

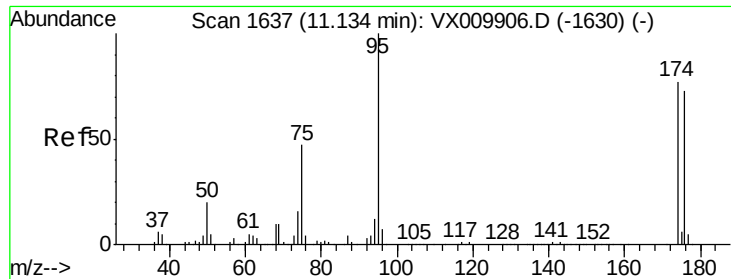
8.60

8.70

8.80

Time-->





#62

4-Bromofluorobenzene

Concen: 46.141 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

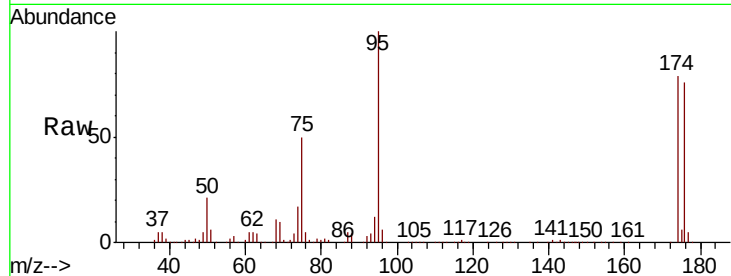
Tot Ion: 95 Resp: 131984

Ion Ratio Lower Upper

95 100

174 83.7 0.0 160.4

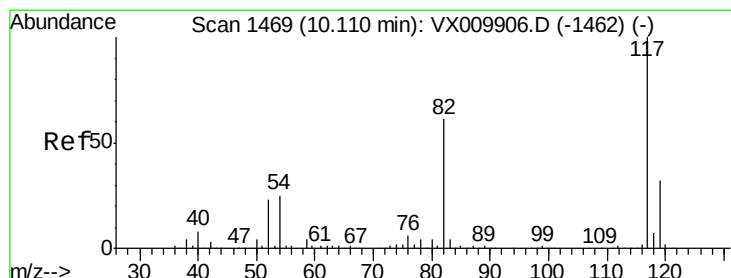
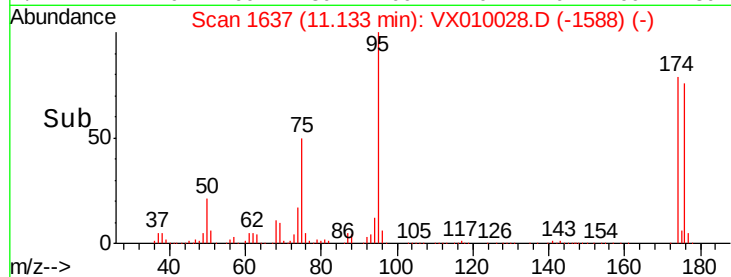
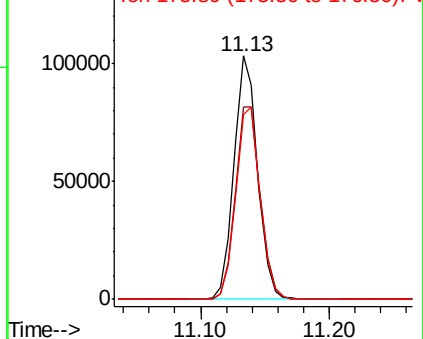
176 81.5 0.0 154.6



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: VX010028.D

Acq: 03 Jun 2019 12:07

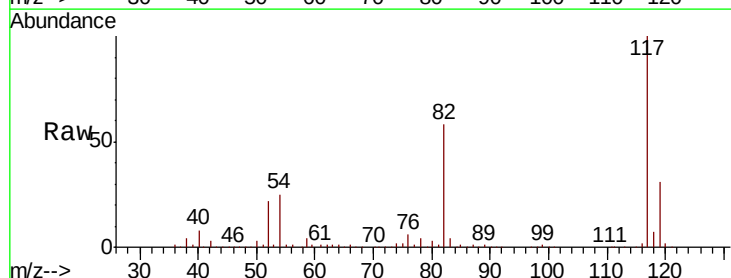
Tgt Ion: 117 Resp: 281844

Ion Ratio Lower Upper

117 100

82 58.3 49.2 73.8

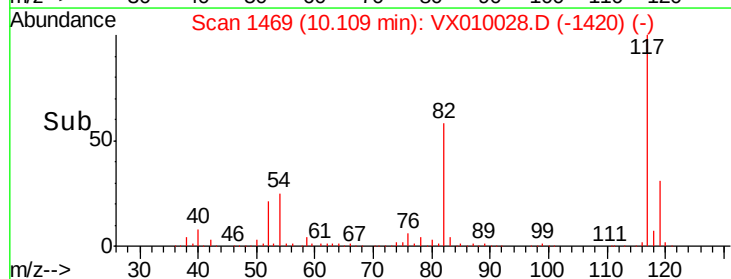
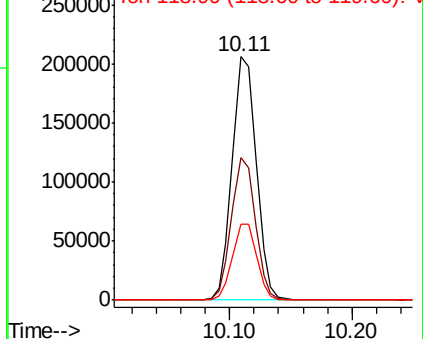
119 31.3 25.2 37.8

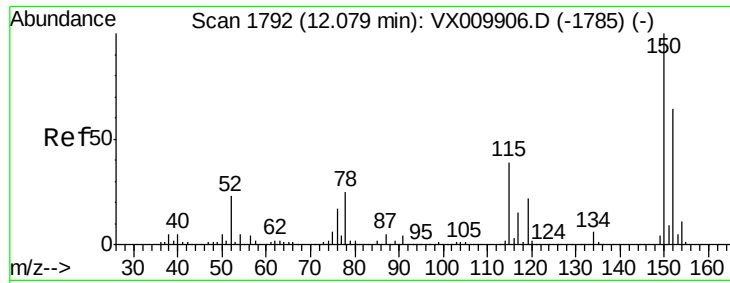


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

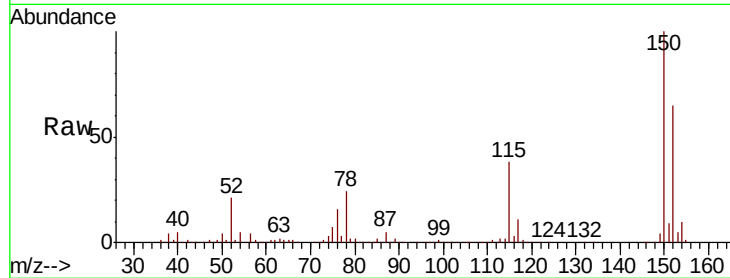
Tot Ion:152 Resp: 121963

Ion Ratio Lower Upper

152 100

115 59.1 41.4 124.2

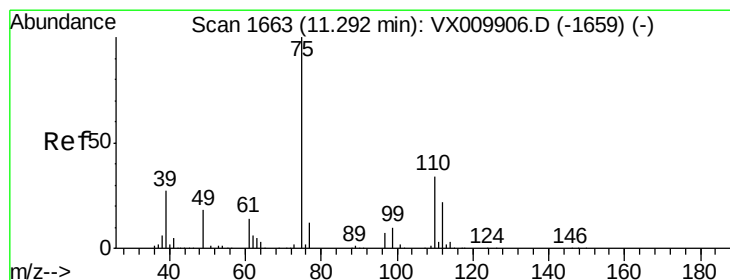
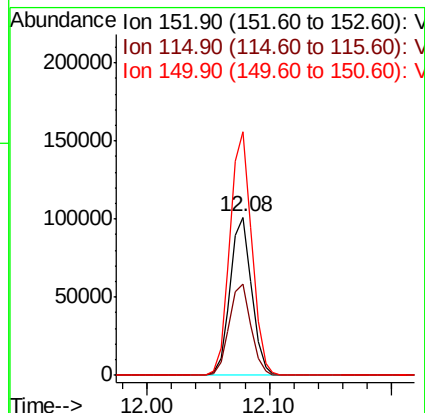
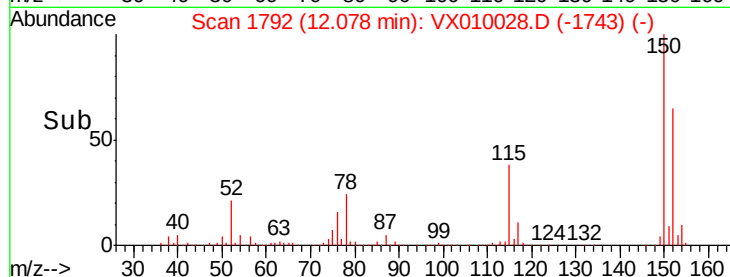
150 156.0 0.0 345.2



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: 23.175 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010028.D

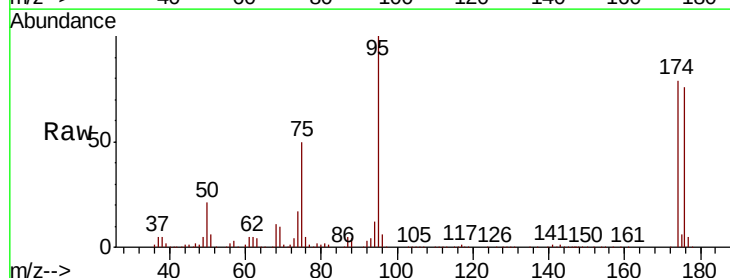
Acq: 03 Jun 2019 12:07

Tgt Ion: 75 Resp: 67590

Ion Ratio Lower Upper

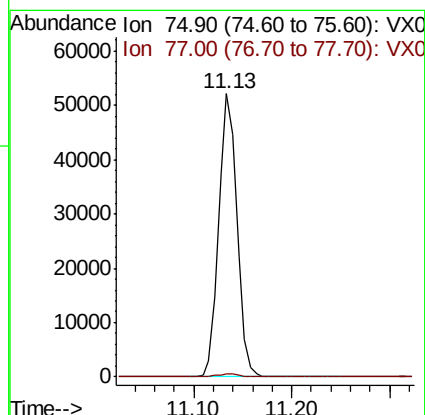
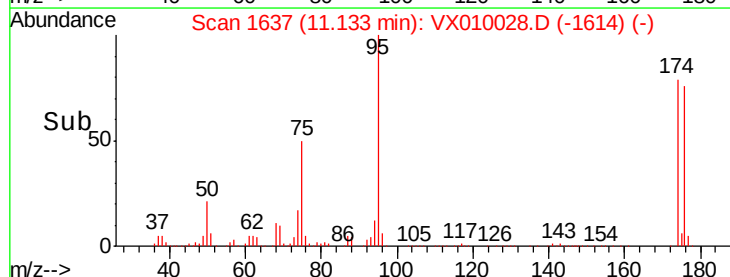
75 100

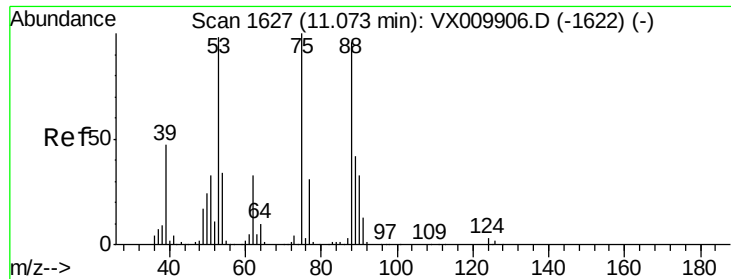
77 1.2 22.1 66.1#



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: 57.339 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010028.D

Acq: 03 Jun 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 67590

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 34.2 51.4#

