

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010246.D
 Acq On : 12 Jun 2019 13:28
 Operator : JC/SP
 Sample : K3315-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB02-20190610

Quant Time: Jun 13 01:26:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	493191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	445254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211931	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	143968	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
35) Dibromofluoromethane	5.50	113	150638	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	574485	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	198010	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

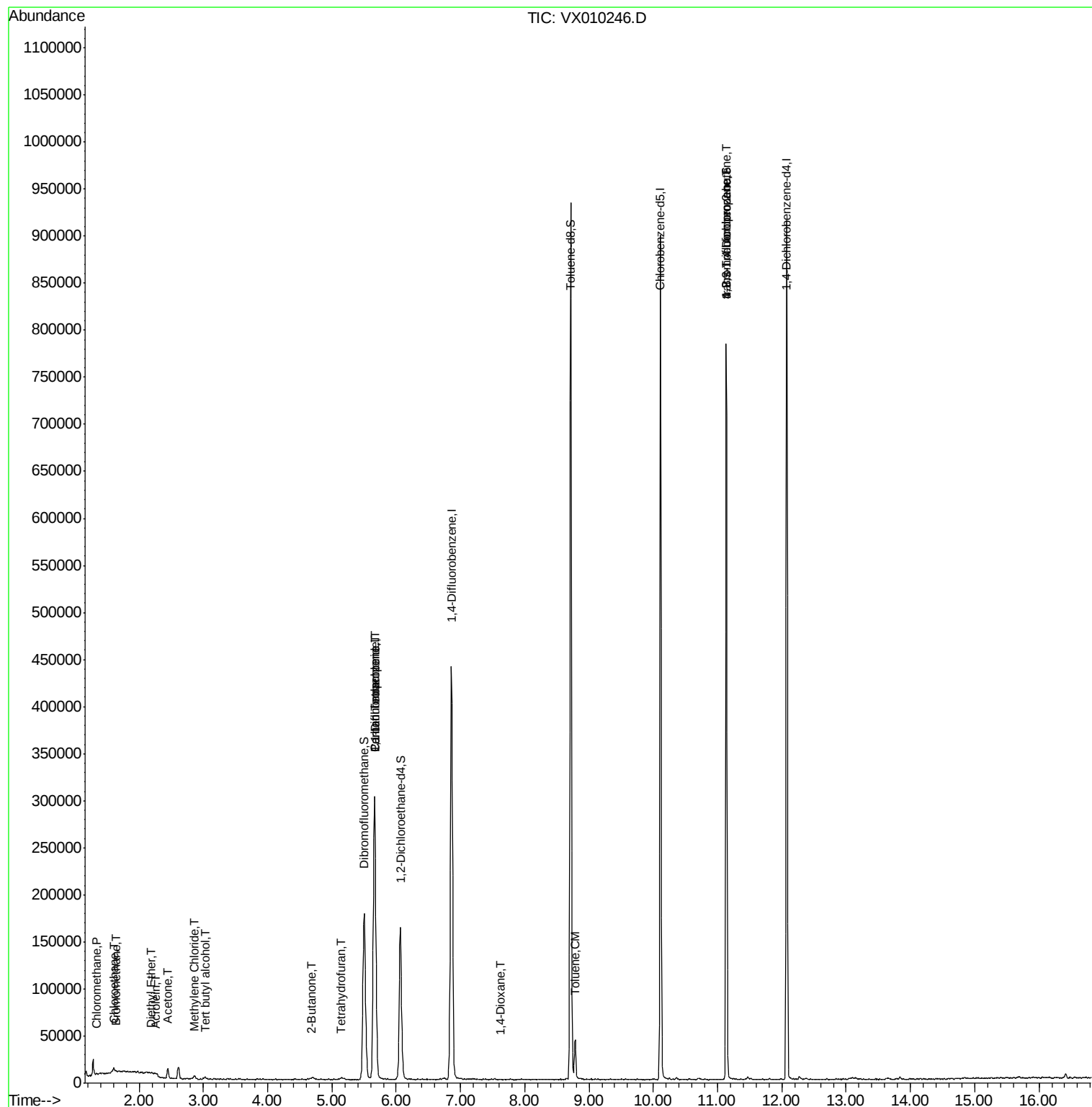
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	764	0.256	ug/l #	82
5) Bromomethane	1.65	94	361	0.341	ug/l #	59
6) Chloroethane	1.61	64	305	0.216	ug/l #	58
8) Diethyl Ether	2.18	74	387	0.269	ug/l	72
11) Tert butyl alcohol	3.03	59	1851	2.369	ug/l #	74
13) Acrolein	2.25	56	54	0.379	ug/l #	1
16) Acetone	2.45	43	10800	7.199	ug/l	90
20) Methylene Chloride	2.85	84	1871	0.568	ug/l #	70
25) 2-Butanone	4.68	43	1244	0.557	ug/l #	69
29) Tetrahydrofuran	5.15	42	1489	1.061	ug/l #	58
36) 1,1-Dichloropropene	5.66	75	19090	4.744	ug/l #	52
38) Carbon Tetrachloride	5.67	117	27754	6.094	ug/l #	15
49) 1,4-Dioxane	7.63	88	48	0.514	ug/l #	39
52) Toluene	8.79	92	16173	1.977	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	89806	21.186	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	89806	46.808	ug/l #	10

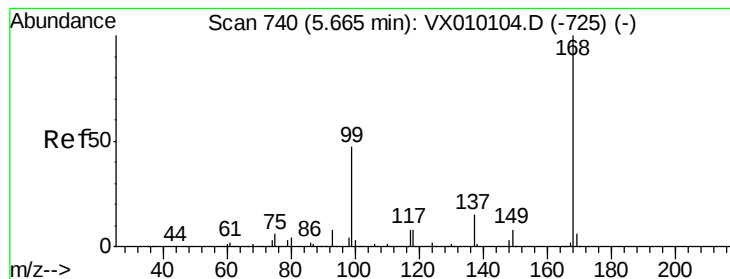
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 2019
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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: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

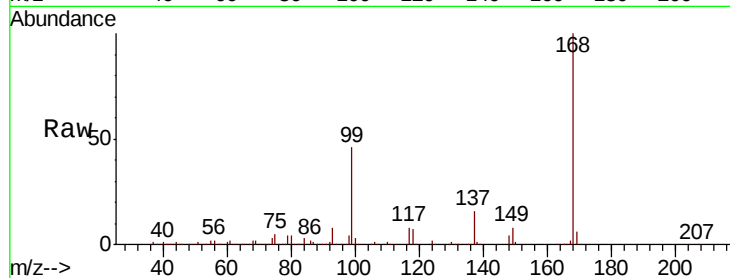
FB02-20190610

Tot Ion:168 Resp: 326787

Ion Ratio Lower Upper

168 100

99 46.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

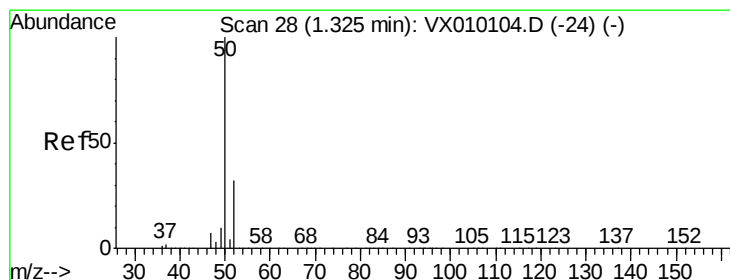
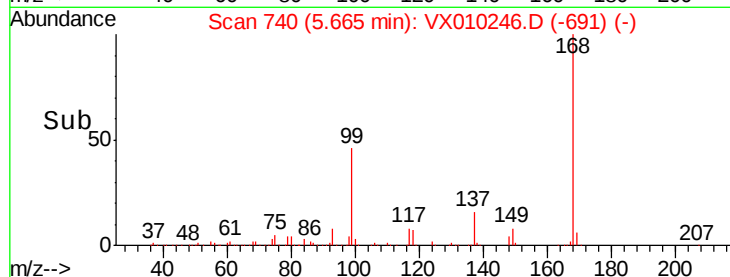
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.256 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010246.D

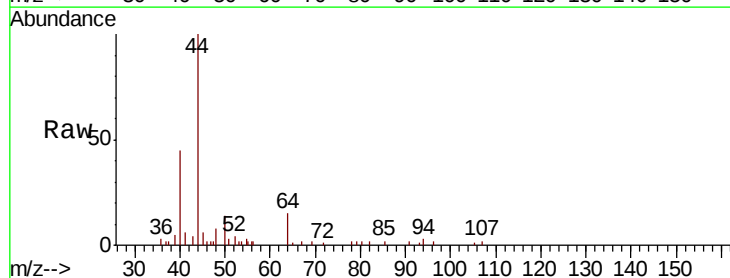
Acq: 12 Jun 2019 13:28

Tgt Ion: 50 Resp: 764

Ion Ratio Lower Upper

50 100

52 22.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

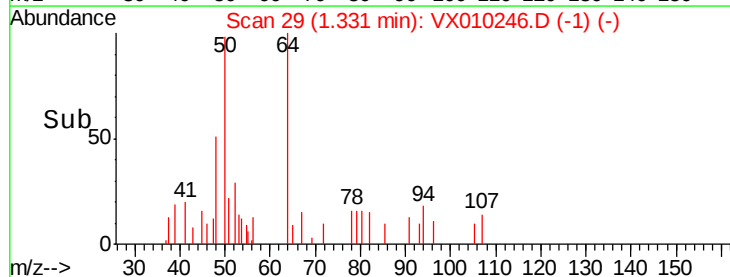
300

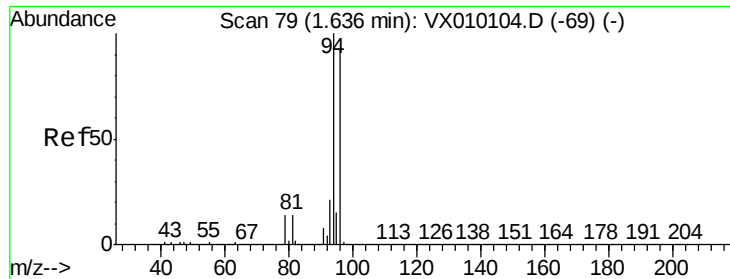
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.341 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

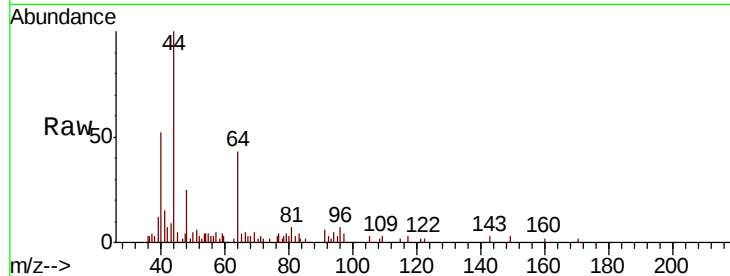
FB02-20190610

Tot Ion: 94 Resp: 361

Ion Ratio Lower Upper

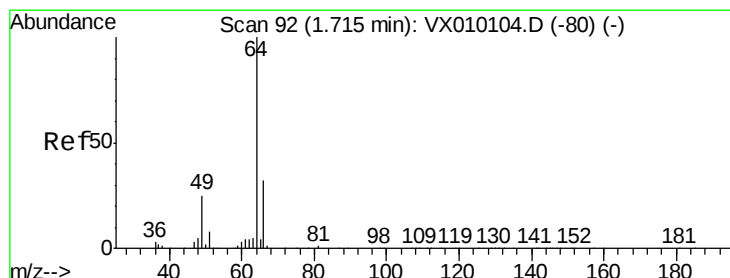
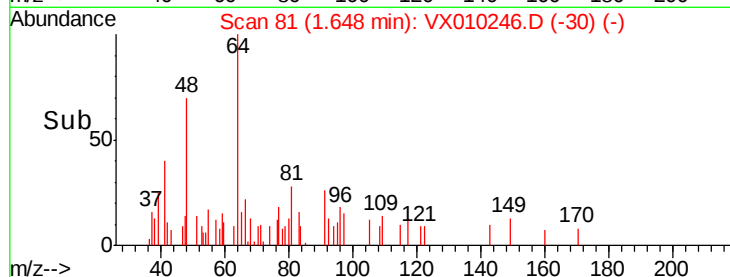
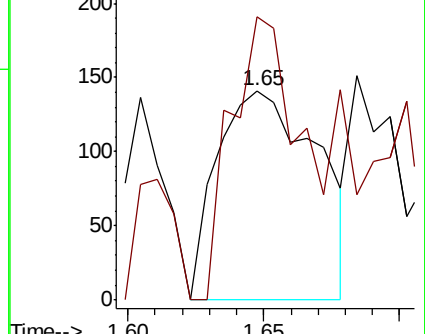
94 100

96 135.5 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.216 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX010246.D

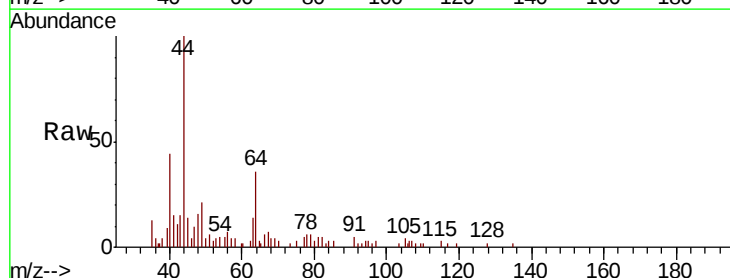
Acq: 12 Jun 2019 13:28

Tgt Ion: 64 Resp: 305

Ion Ratio Lower Upper

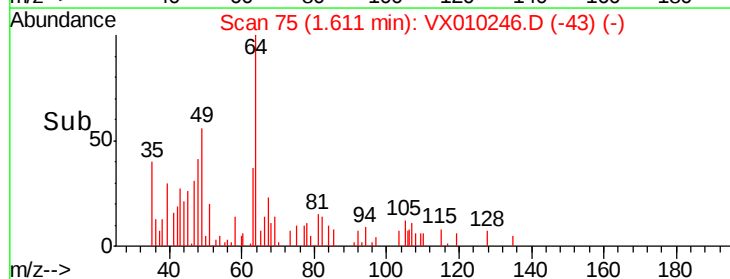
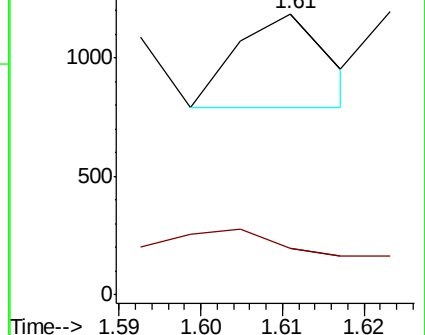
64 100

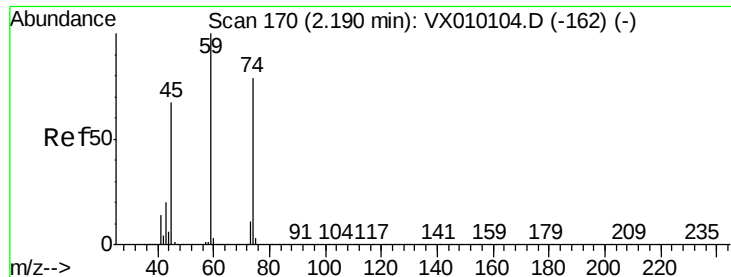
66 7.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.269 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

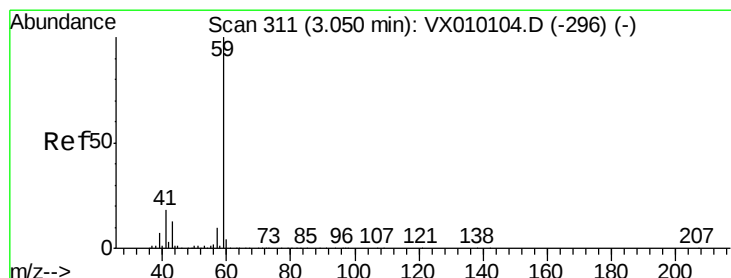
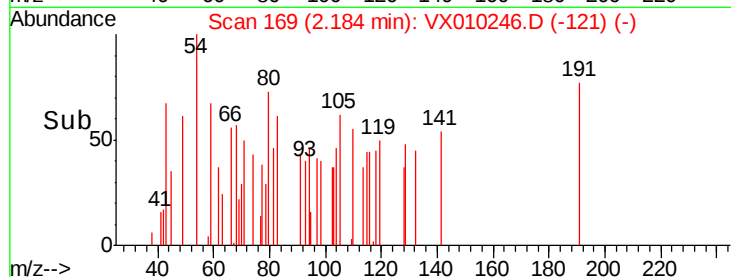
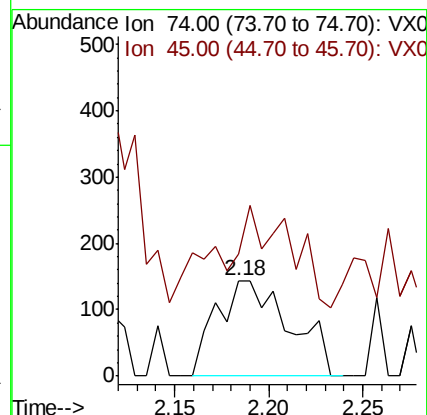
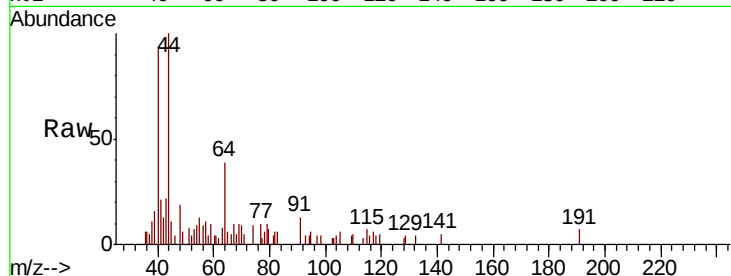
FB02-20190610

Tot Ion: 74 Resp: 387

Ion Ratio Lower Upper

74 100

45 81.9 56.1 168.3



#11

Tert butyl alcohol

Concen: 2.369 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX010246.D

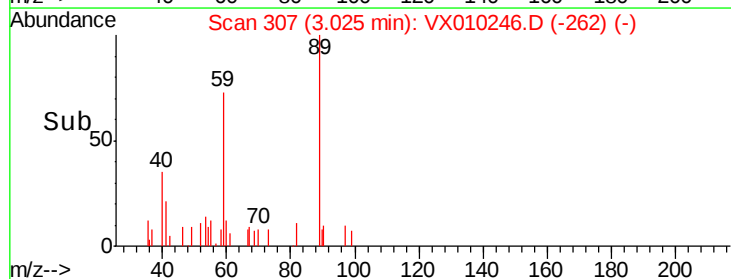
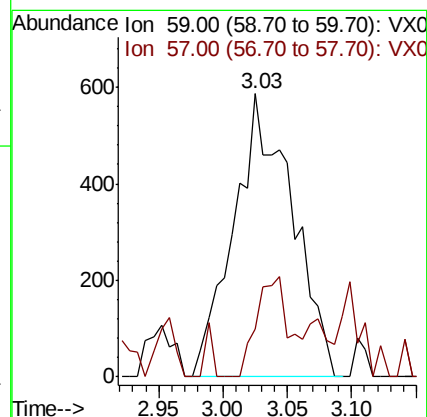
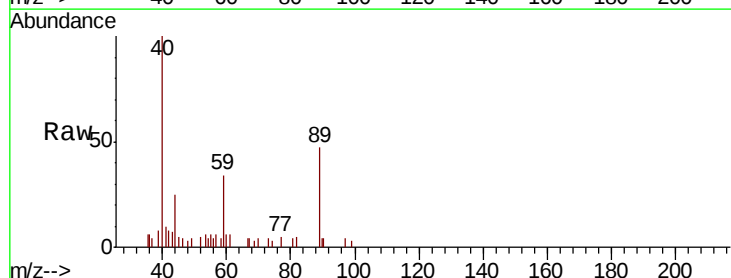
Acq: 12 Jun 2019 13:28

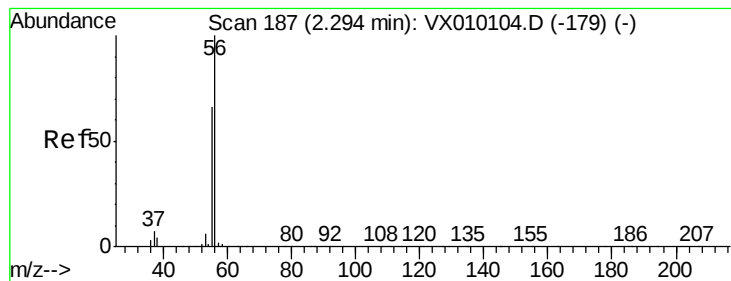
Tgt Ion: 59 Resp: 1851

Ion Ratio Lower Upper

59 100

57 19.8 8.2 12.2#





#13

Acrolein

Concen: 0.379 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

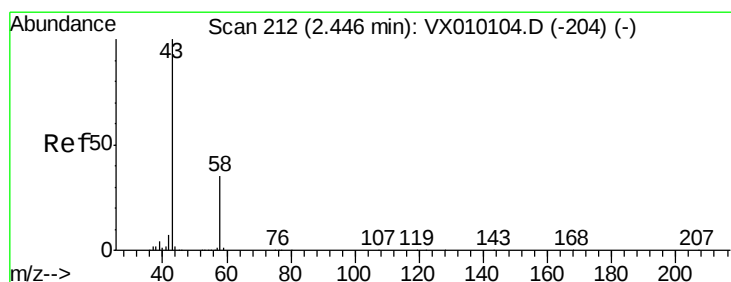
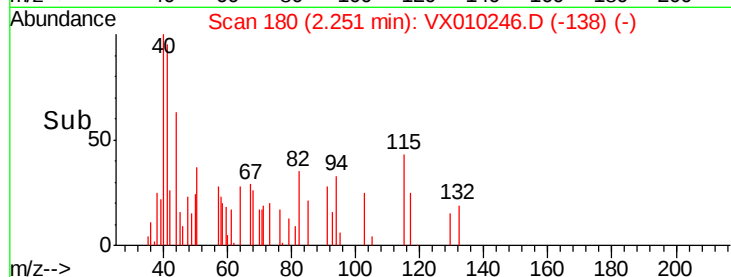
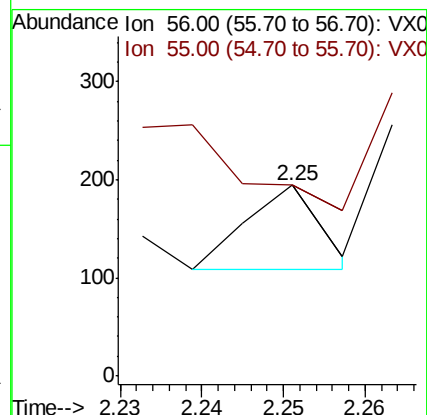
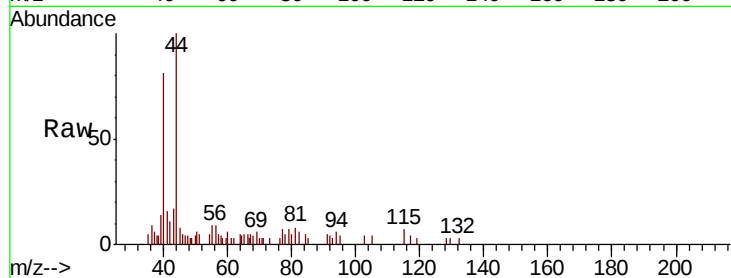
FB02-20190610

Tot Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 318.5 57.0 85.4#



#16

Acetone

Concen: 7.199 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010246.D

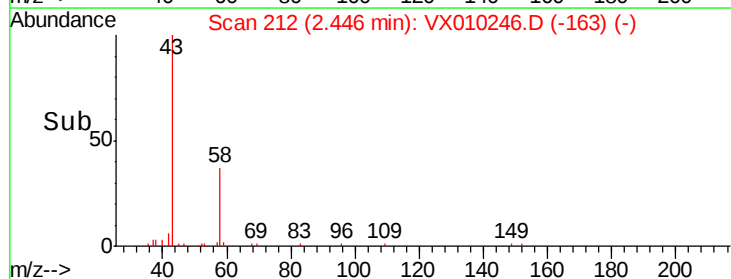
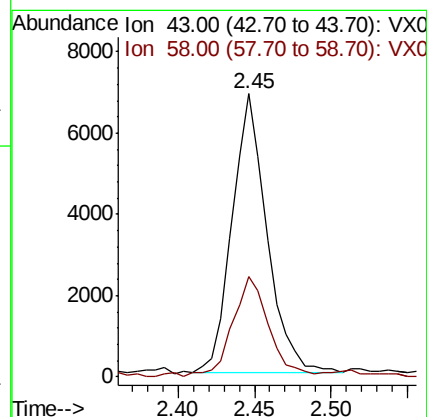
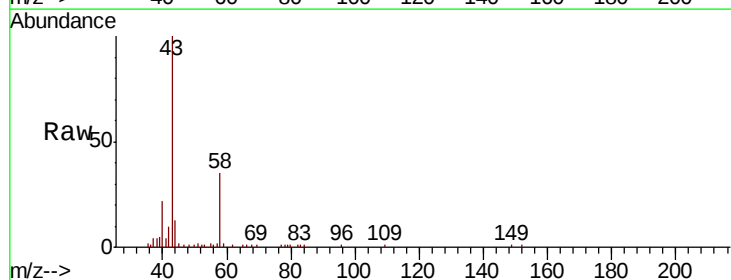
Acq: 12 Jun 2019 13:28

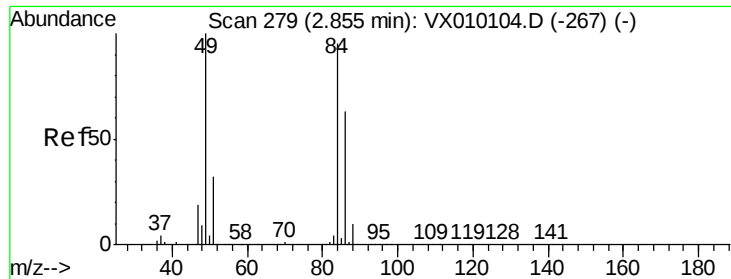
Tgt Ion: 43 Resp: 10800

Ion Ratio Lower Upper

43 100

58 34.5 23.2 34.8

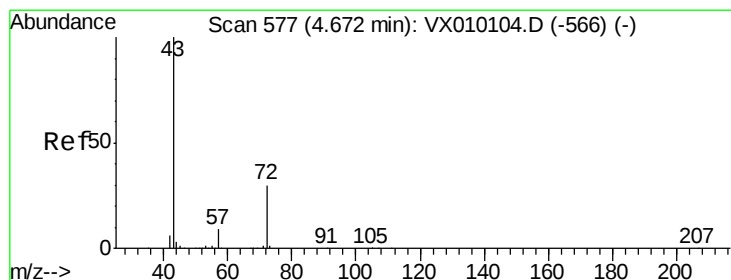
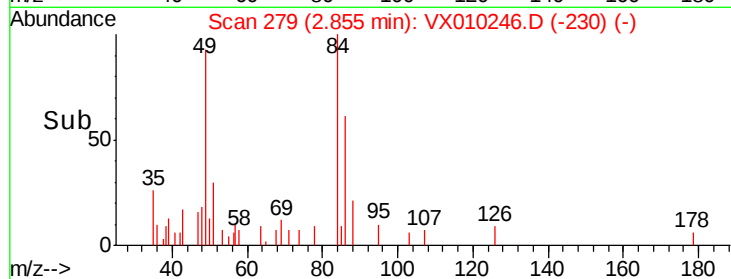
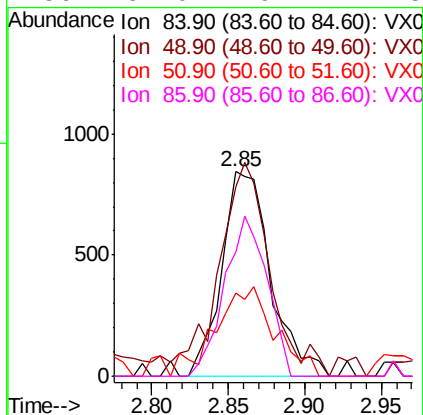
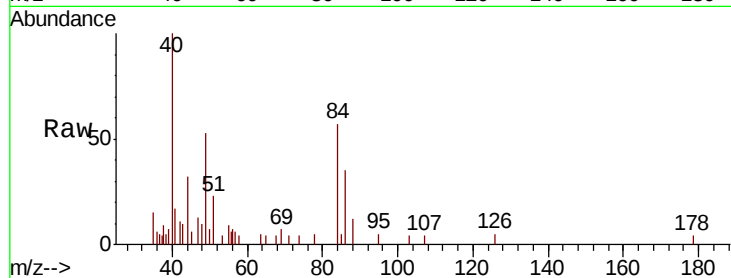




#20
Methvlene Chloride
Concen: 0.568 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

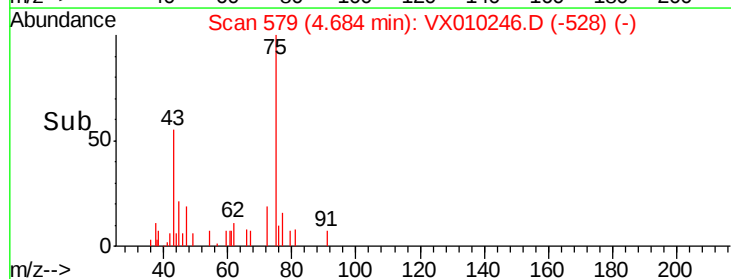
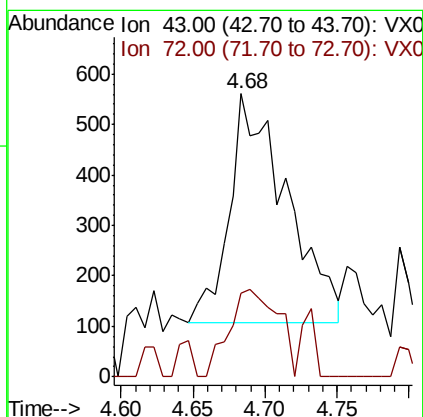
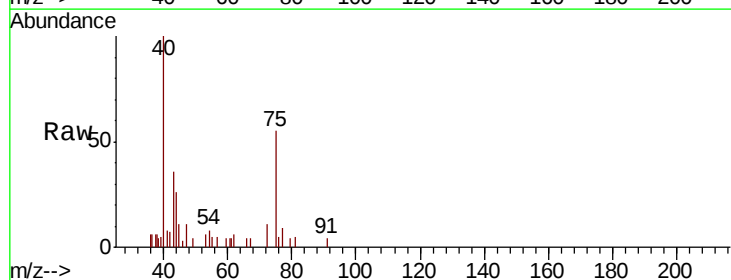
Instrument :
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ClientSampleId :
FB02-20190610

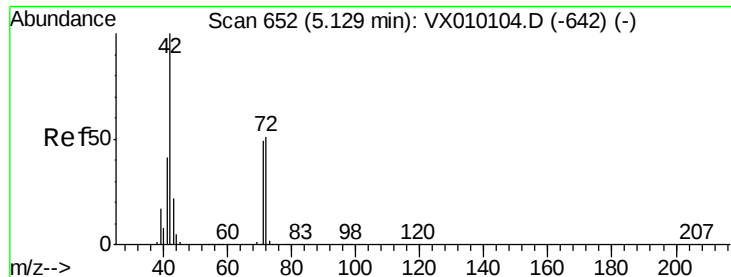
Tot Ion	Ratio	Lower	Upper
84	100		
49	83.6	115.8	173.6#
51	40.6	34.4	51.6
86	61.0	49.7	74.5



#25
2-Butanone
Concen: 0.557 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	36.6	17.5	26.3#

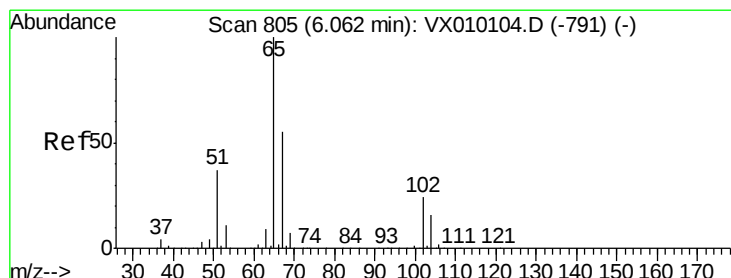
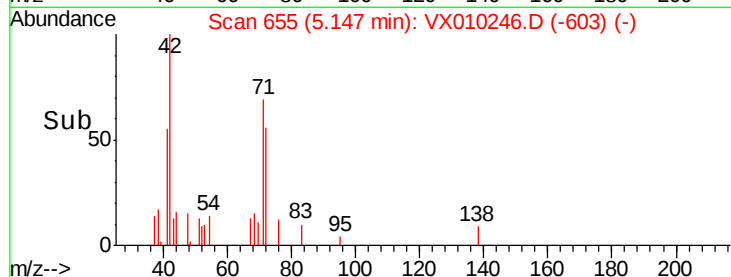
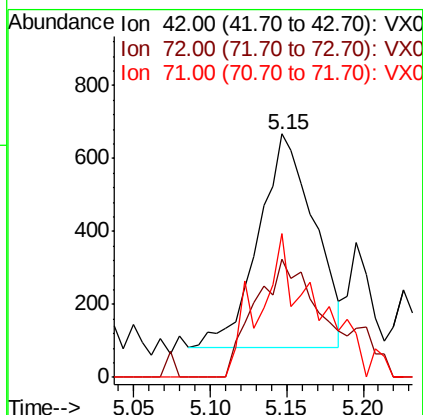
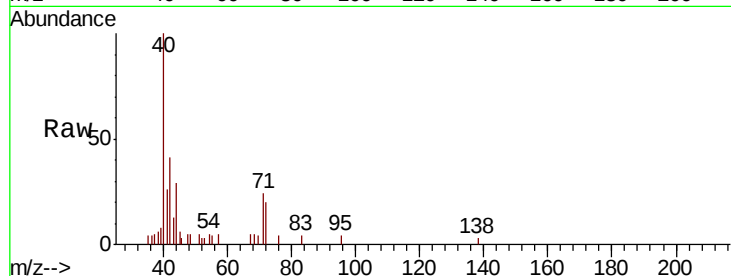




#29
Tetrahydrofuran
Concen: 1.061 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

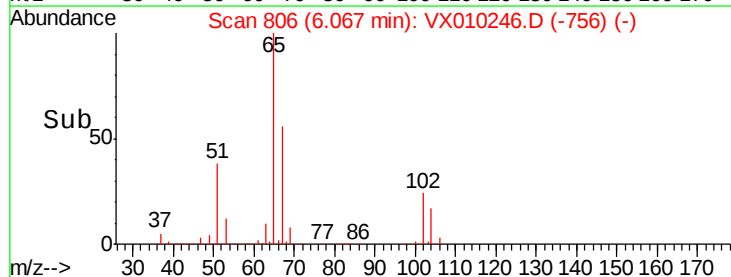
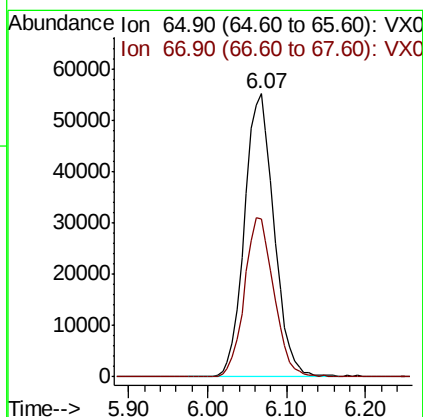
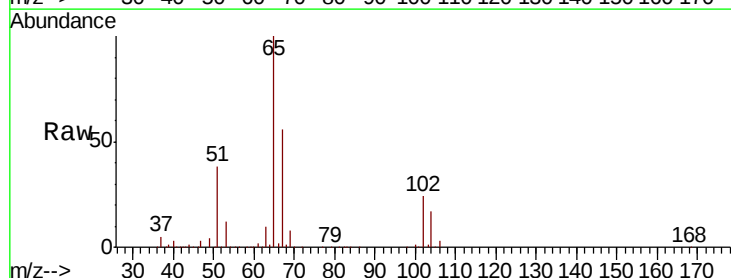
Instrument :
MSVOA_X
ClientSampleId :
FB02-20190610

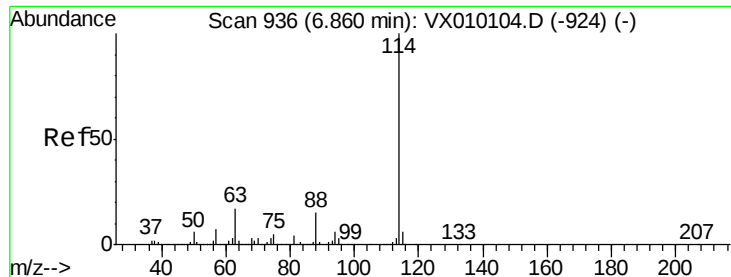
Tot Ion: 42 Resp: 1489
Ion Ratio Lower Upper
42 100
72 63.7 29.2 43.8#
71 55.9 27.6 41.4#



#33
1,2-Dichloroethane-d4
Concen: 45.134 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

Tgt Ion: 65 Resp: 143968
Ion Ratio Lower Upper
65 100
67 56.0 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: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

FB02-20190610

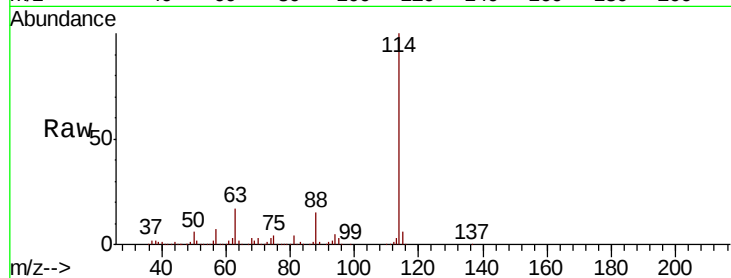
Tot Ion:114 Resp: 493191

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

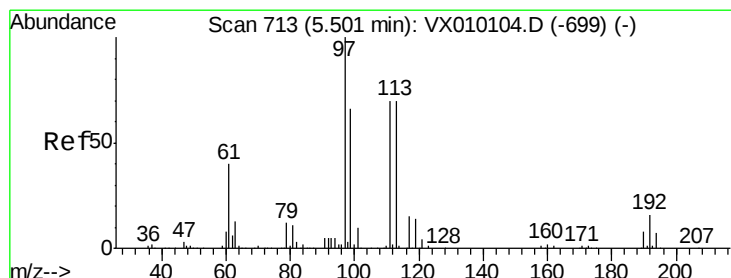
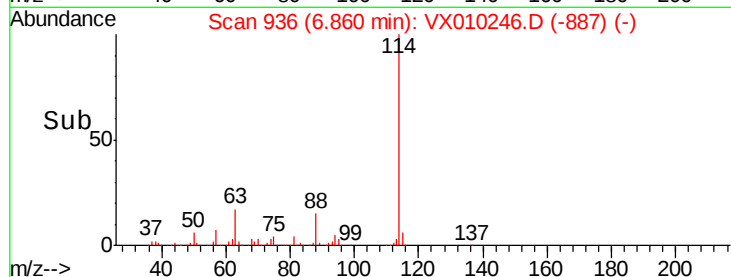
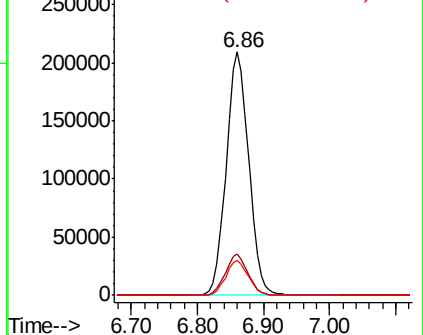
88 14.5 0.0 33.0



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: 49.517 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

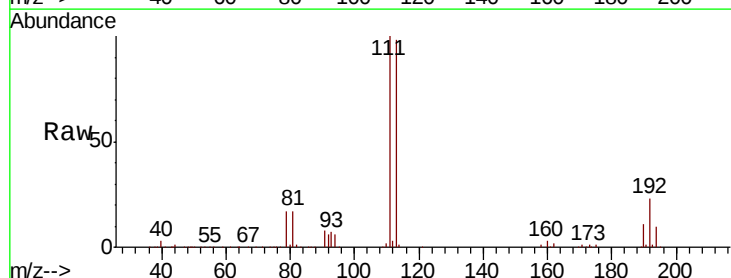
Tgt Ion:113 Resp: 150638

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

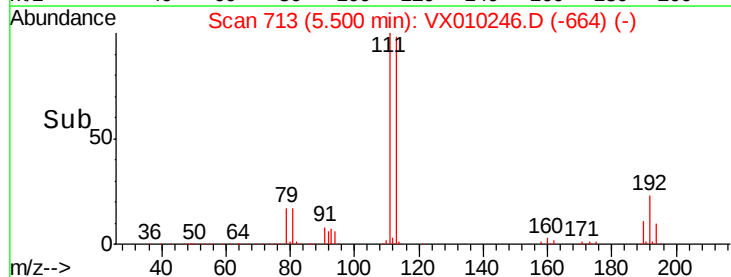
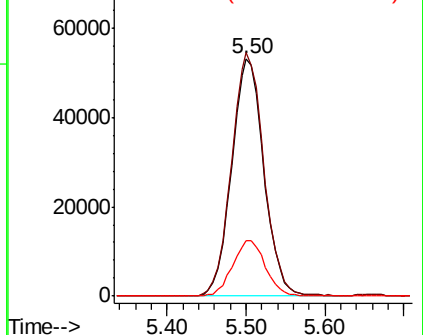
192 23.6 17.1 25.7

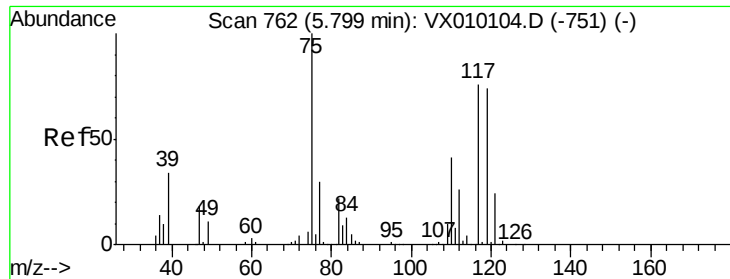


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

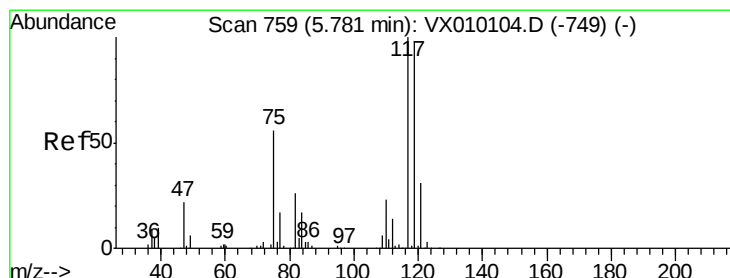
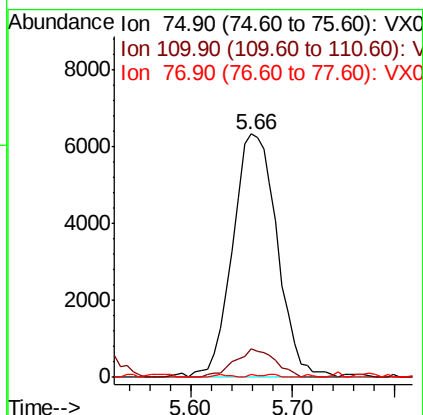
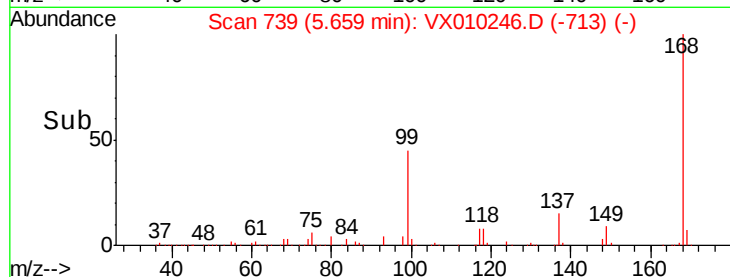
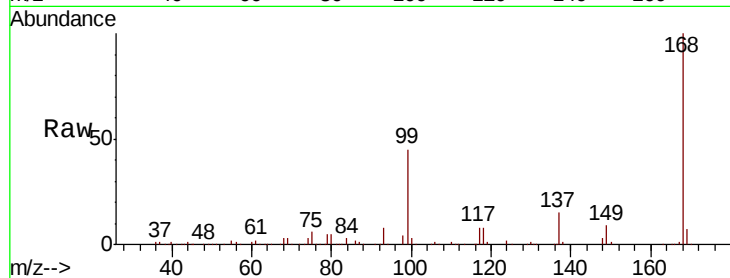




#36
 1,1-Dichloropropene
 Concen: 4.744 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010246.D
 Acq: 12 Jun 2019 13:28

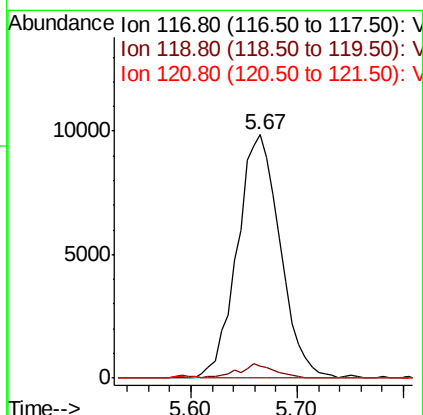
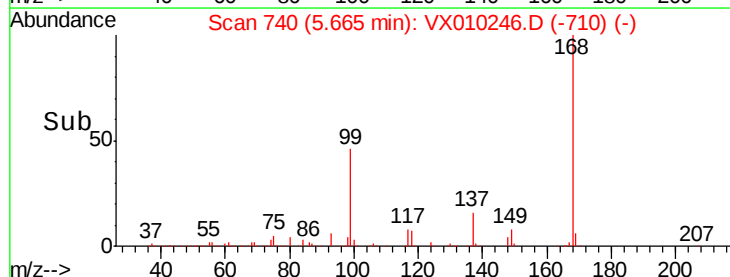
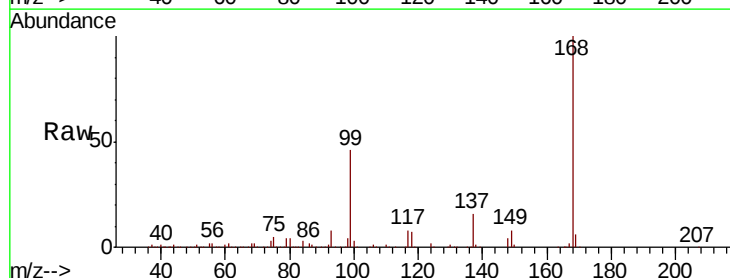
Instrument :
 MSVOA_X
 ClientSampleId :
 FB02-20190610

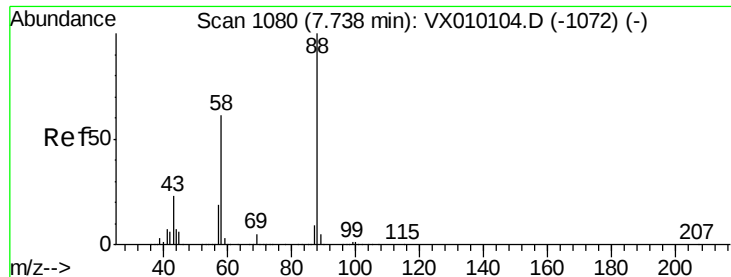
Tot Ion: 75 Resp: 19090
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.094 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010246.D
 Acq: 12 Jun 2019 13:28

Tgt Ion: 117 Resp: 27754
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.3 115.9#
 121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 0.514 ug/l

RT: 7.63 min Scan# 1062

Delta R.T. -0.11 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

FB02-20190610

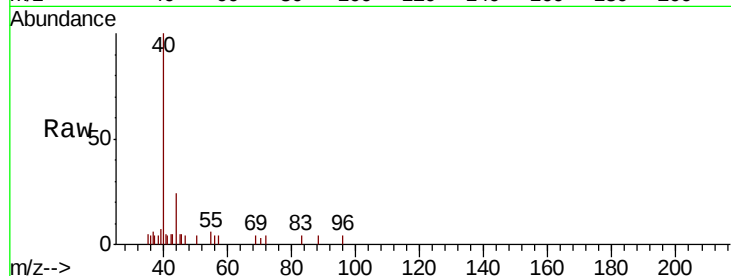
Tot Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 93.8 30.2 45.4#

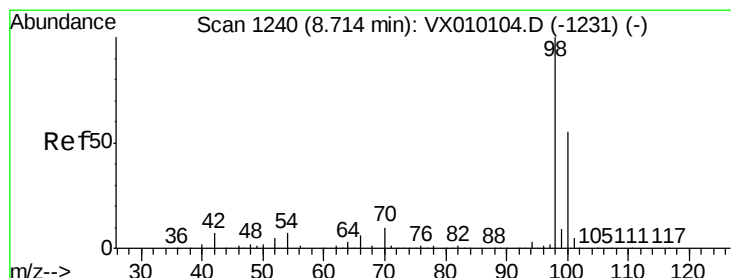
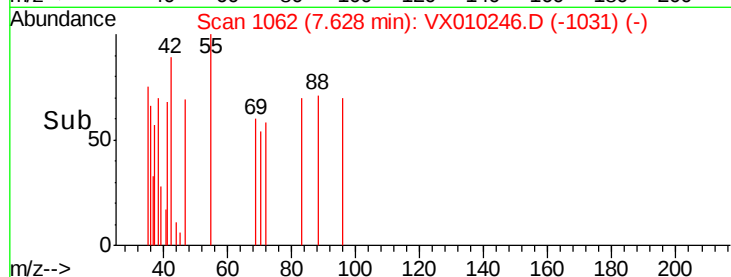
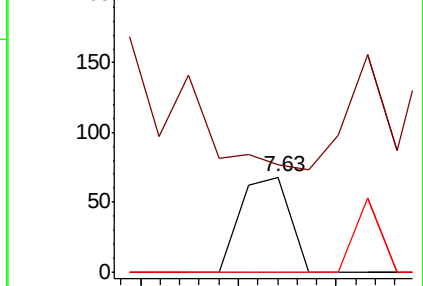
58 39.6 64.0 96.0#



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: 50.387 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010246.D

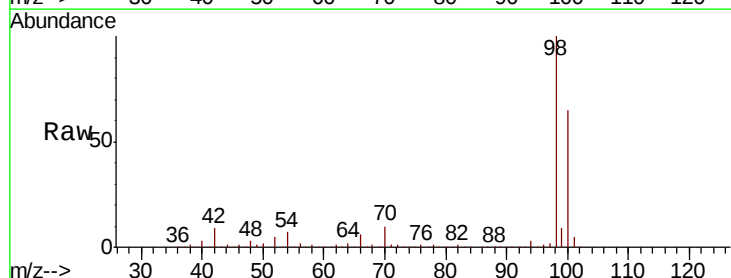
Acq: 12 Jun 2019 13:28

Tgt Ion: 98 Resp: 574485

Ion Ratio Lower Upper

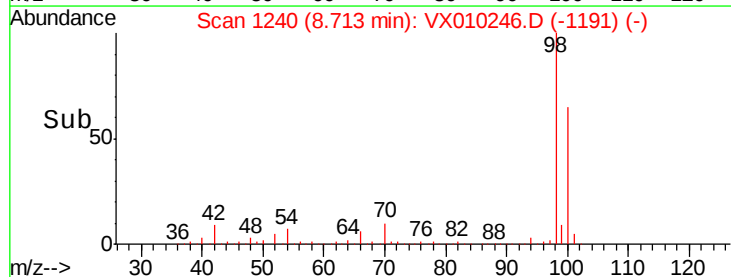
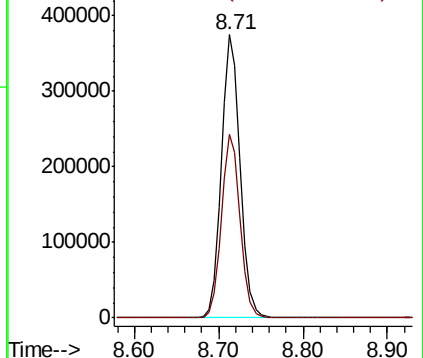
98 100

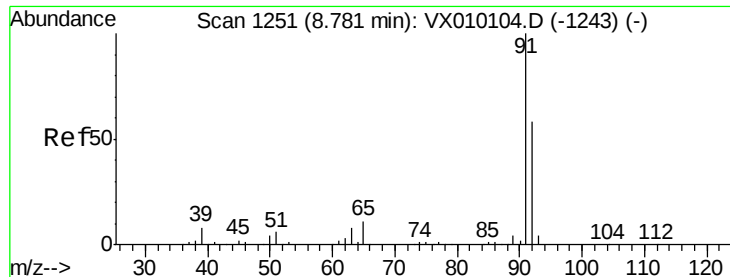
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.977 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

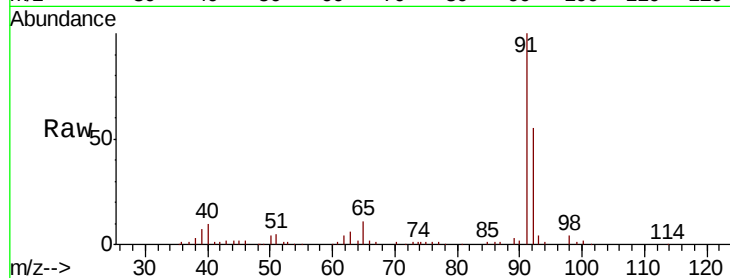
FB02-20190610

Tot Ion: 92 Resp: 16173

Ion Ratio Lower Upper

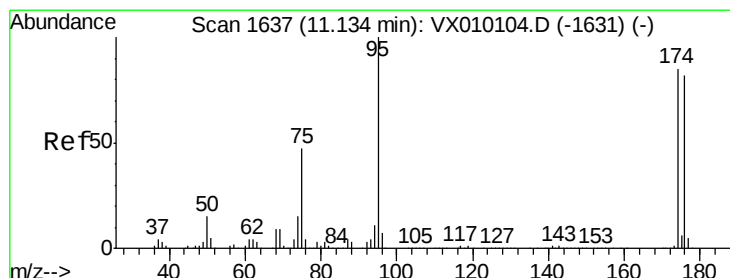
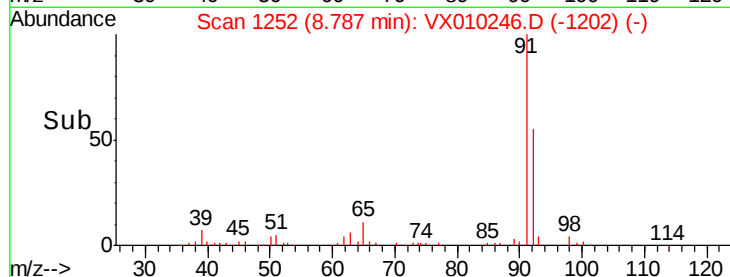
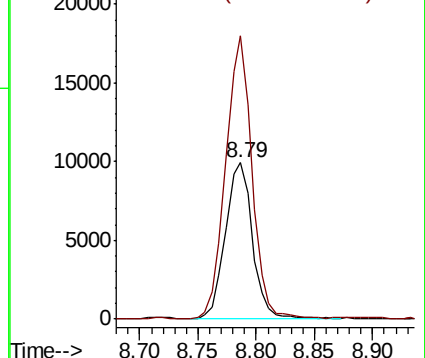
92 100

91 175.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.504 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

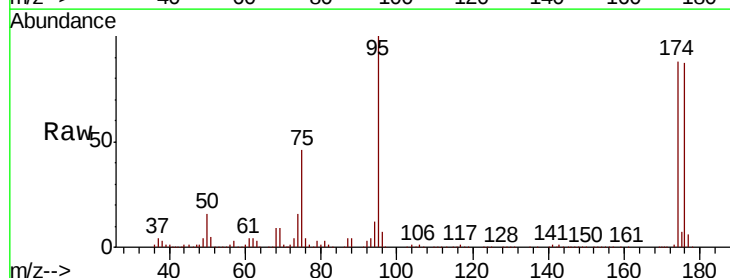
Tgt Ion: 95 Resp: 198010

Ion Ratio Lower Upper

95 100

174 94.2 0.0 160.4

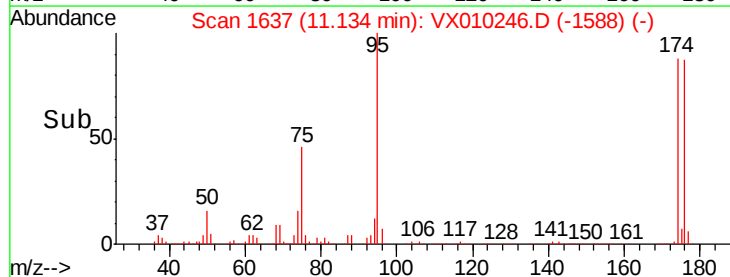
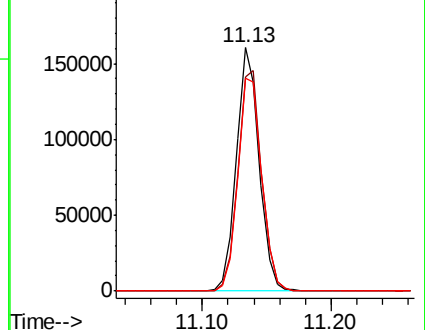
176 92.0 0.0 154.6

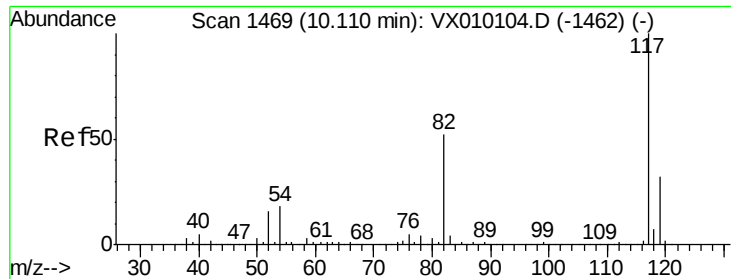


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

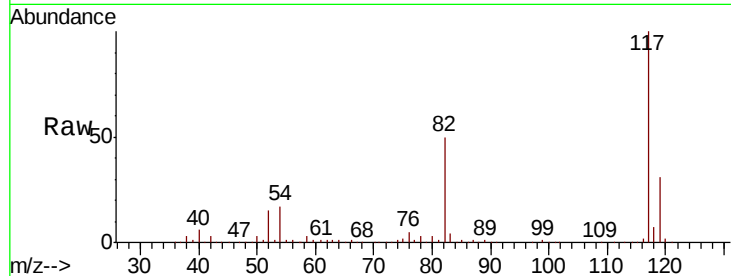




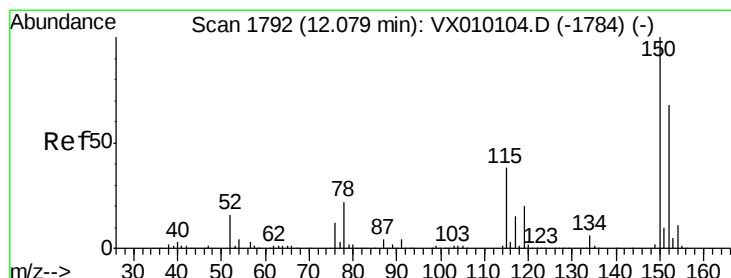
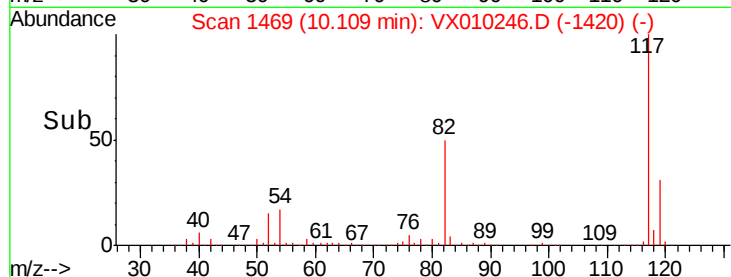
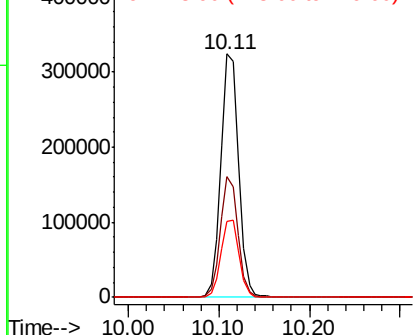
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
FB02-20190610

Tot Ion:117 Resp: 445254
Ion Ratio Lower Upper
117 100
82 49.6 49.2 73.8
119 31.4 25.2 37.8

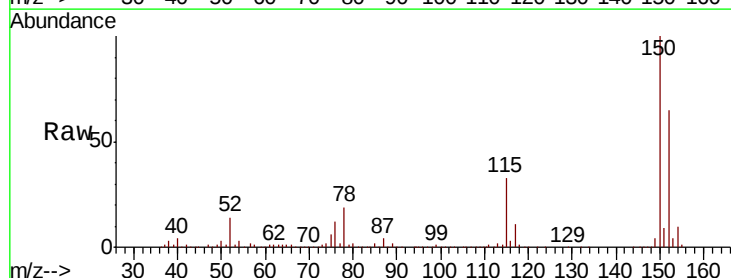


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

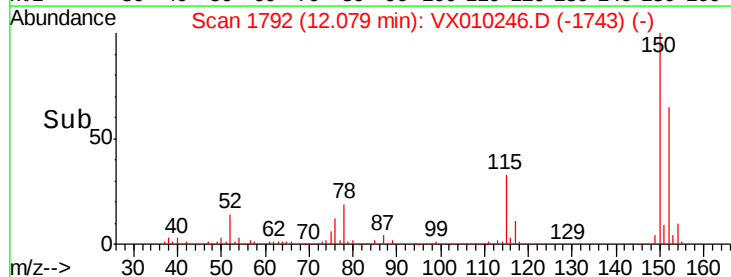
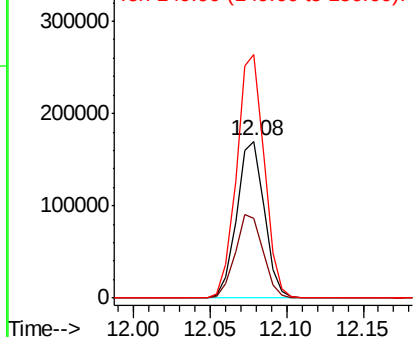


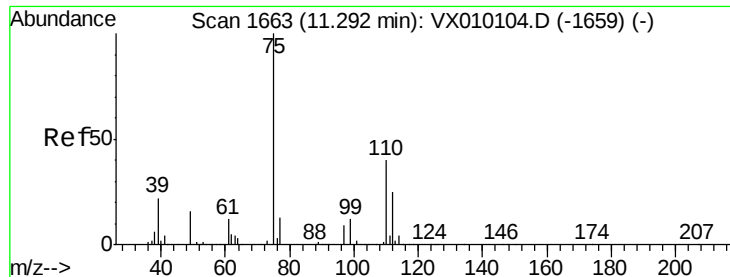
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010246.D
Acq: 12 Jun 2019 13:28

Tgt Ion:152 Resp: 211931
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 155.8 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: 21.186 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

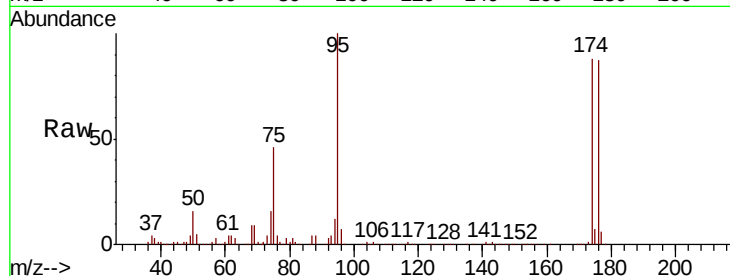
FB02-20190610

Tot Ion: 75 Resp: 89806

Ion Ratio Lower Upper

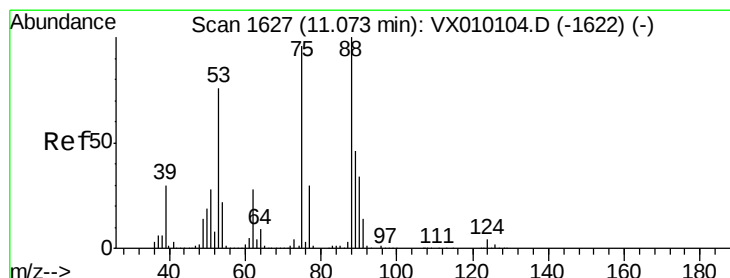
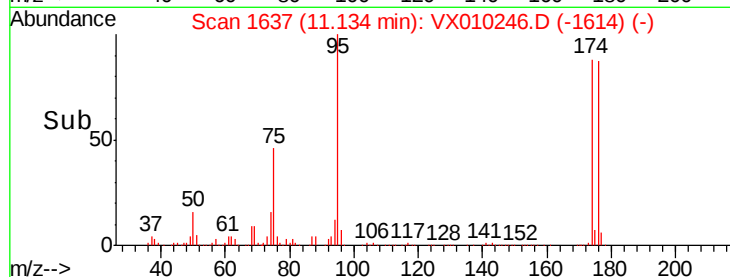
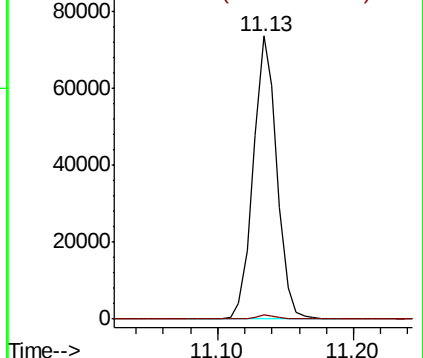
75 100

77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 46.808 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010246.D

Acq: 12 Jun 2019 13:28

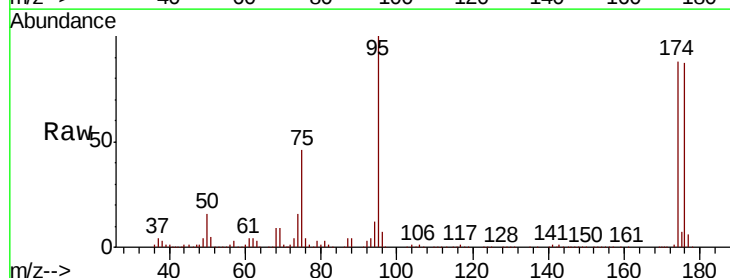
Tgt Ion: 75 Resp: 89806

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

