

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010416.D
 Acq On : 24 Jun 2019 17:01
 Operator : JC/SP
 Sample : K3164-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BAT-B03

Quant Time: Jun 25 03:39:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	434457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	392074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	132607	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	5.50	113	131927	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	509270	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.13	95	171721	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

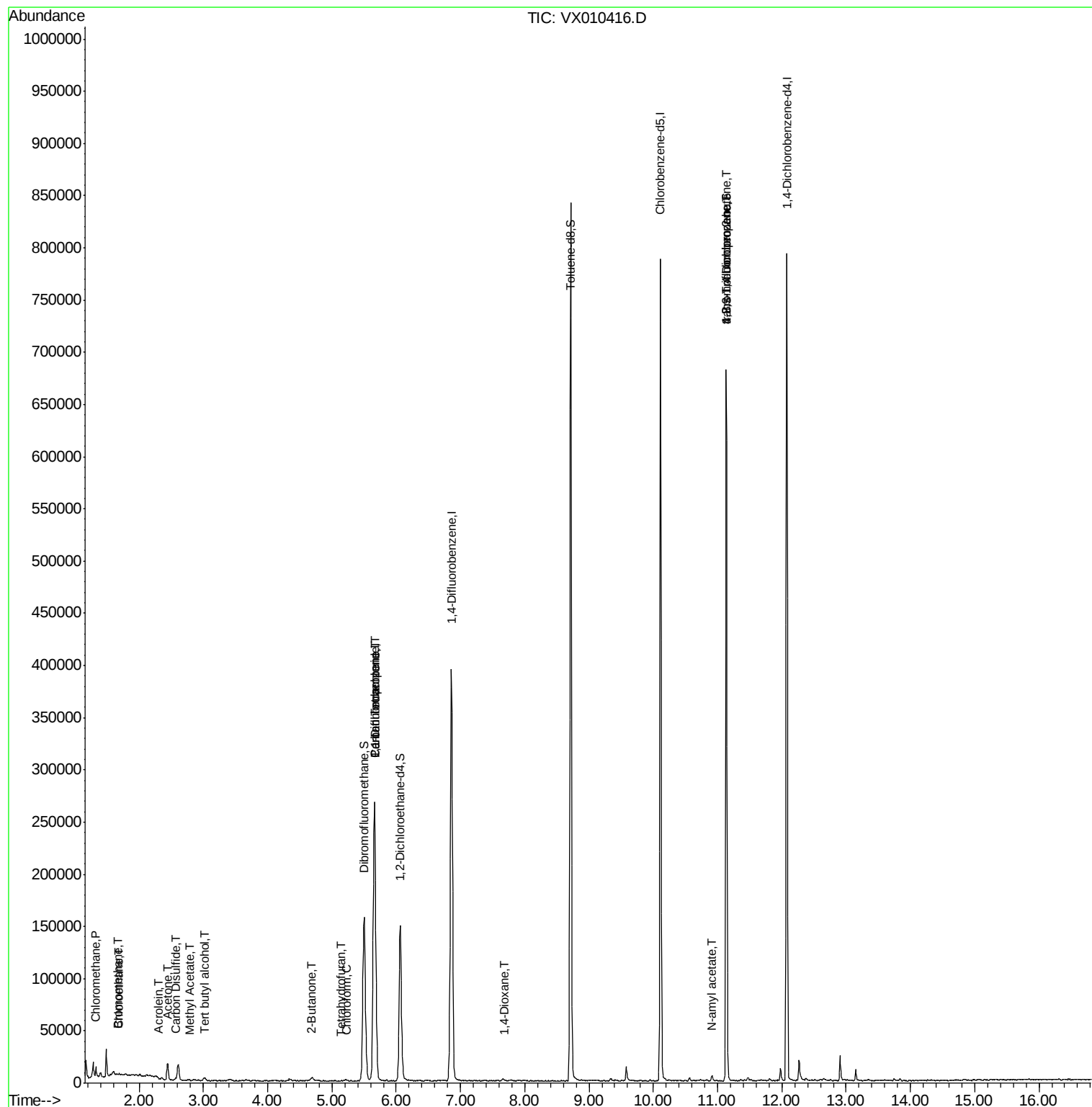
					Qvalue	
3) Chloromethane	1.33	50	5654	2.450	ug/l	100
5) Bromomethane	1.66	94	589	0.478	ug/l #	44
6) Chloroethane	1.68	64	389	0.261	ug/l #	78
11) Tert butyl alcohol	3.01	59	1798	2.571	ug/l #	74
13) Acrolein	2.29	56	1158	2.496	ug/l	90
16) Acetone	2.44	43	16643	12.424	ug/l	98
17) Carbon Disulfide	2.57	76	3039	0.458	ug/l #	92
18) Methyl Acetate	2.78	43	676	0.253	ug/l #	68
25) 2-Butanone	4.68	43	2260	1.150	ug/l	96
29) Tetrahydrofuran	5.15	42	579	0.476	ug/l #	51
30) Chloroform	5.21	83	1417	0.311	ug/l	95
36) 1,1-Dichloropropene	5.66	75	17574	5.090	ug/l #	47
38) Carbon Tetrachloride	5.67	117	25252	6.755	ug/l #	15
49) 1,4-Dioxane	7.69	88	62	0.788	ug/l #	28
74) N-amyl acetate	10.90	43	1301	0.281	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	80595	24.437	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	80595	57.010	ug/l #	16

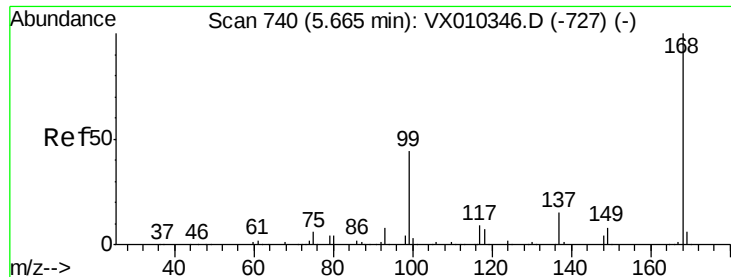
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

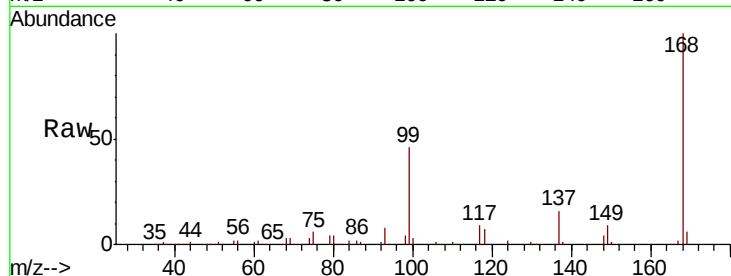
BAT-B03

Tot Ion:168 Resp: 285075

Ion Ratio Lower Upper

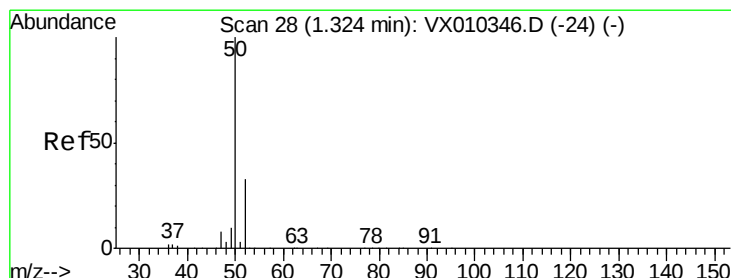
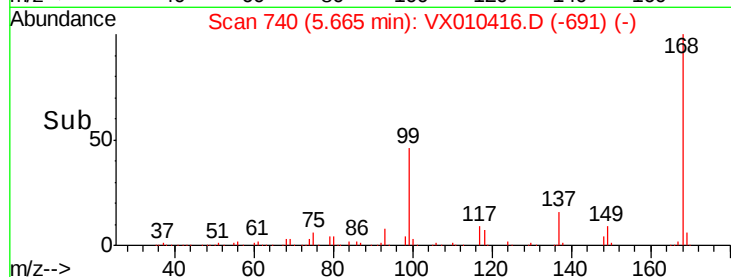
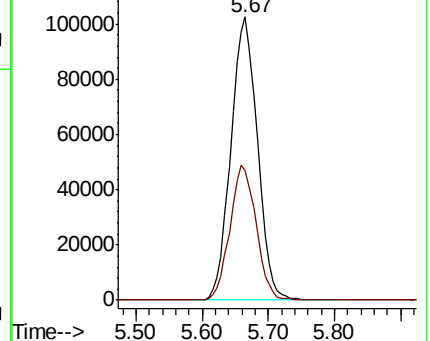
168 100

99 45.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.450 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010416.D

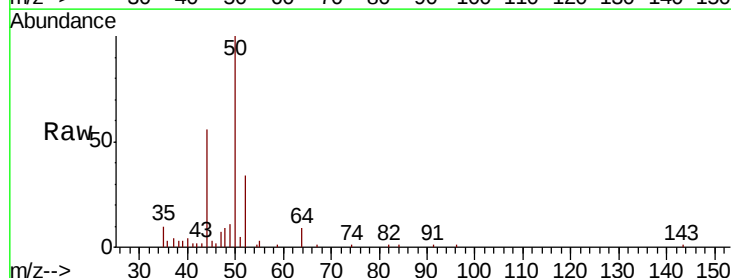
Acq: 24 Jun 2019 17:01

Tgt Ion: 50 Resp: 5654

Ion Ratio Lower Upper

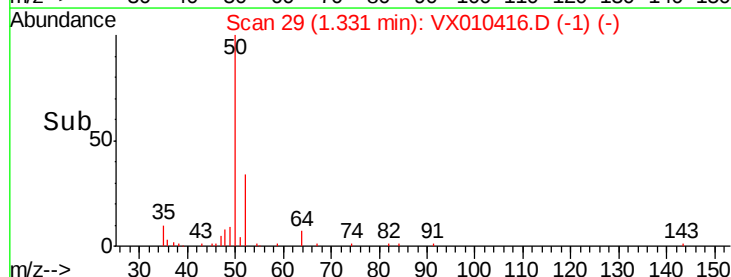
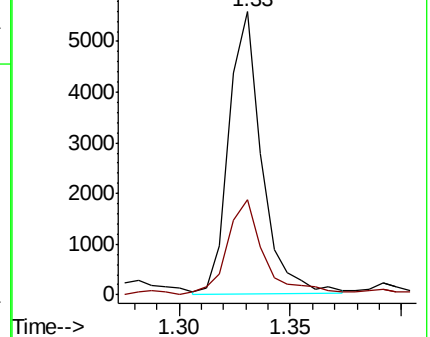
50 100

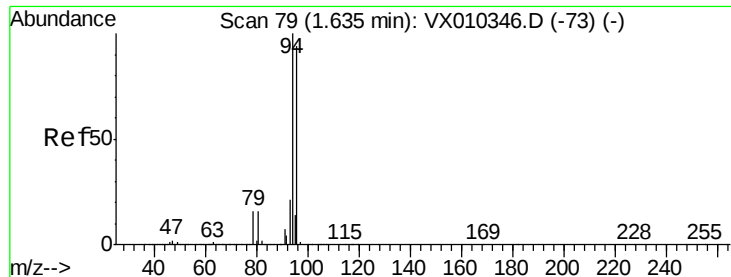
52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.478 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

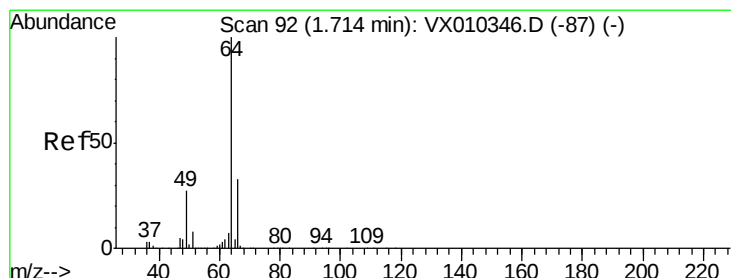
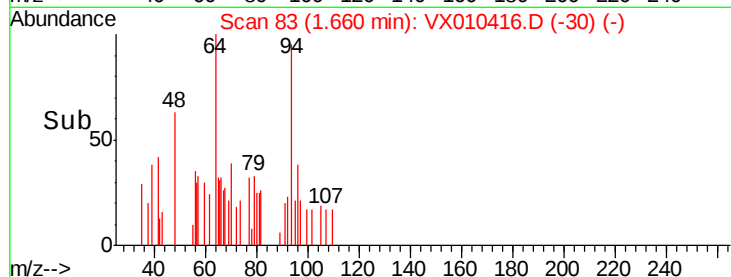
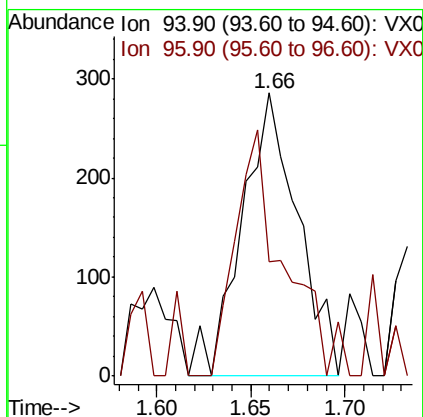
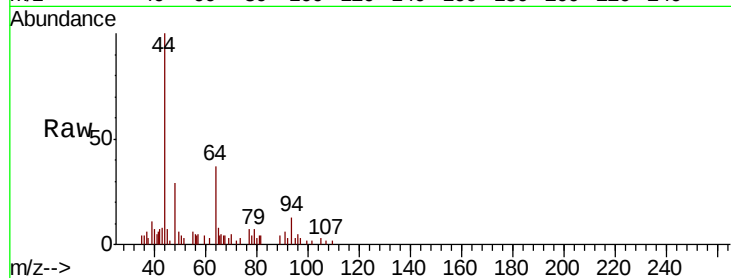
BAT-B03

Tot Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 40.2 75.5 113.3#



#6

Chloroethane

Concen: 0.261 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX010416.D

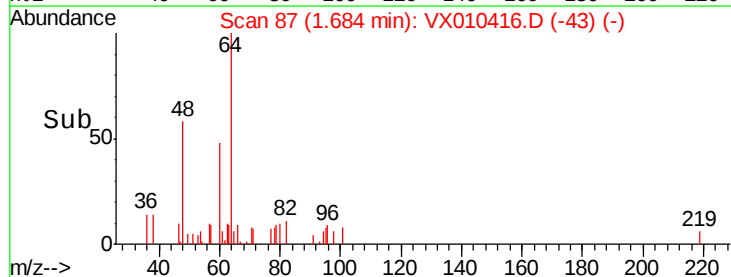
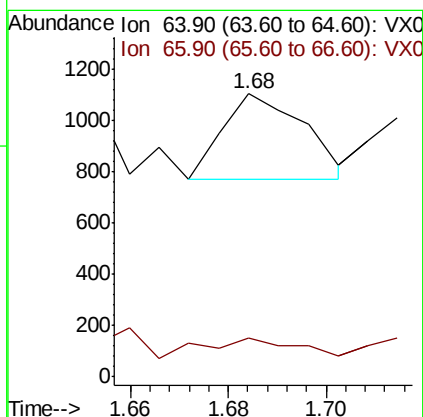
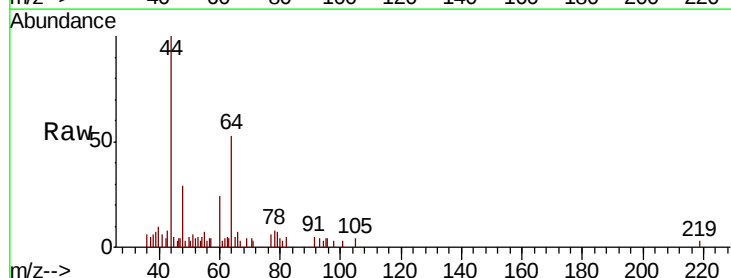
Acq: 24 Jun 2019 17:01

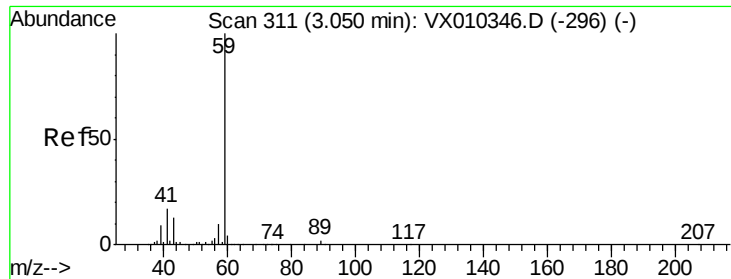
Tgt Ion: 64 Resp: 389

Ion Ratio Lower Upper

64 100

66 20.6 26.6 40.0#

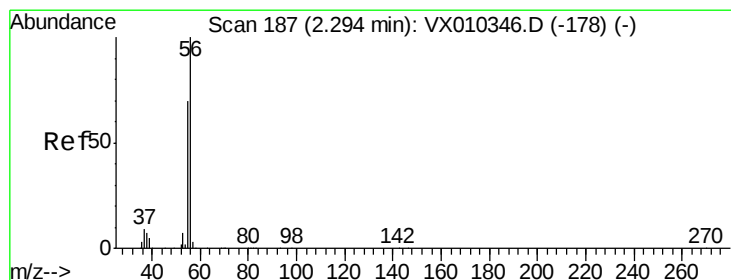
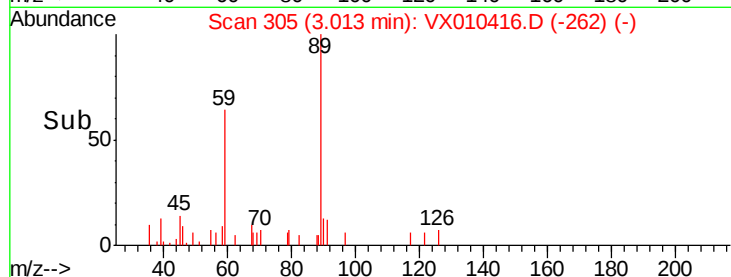
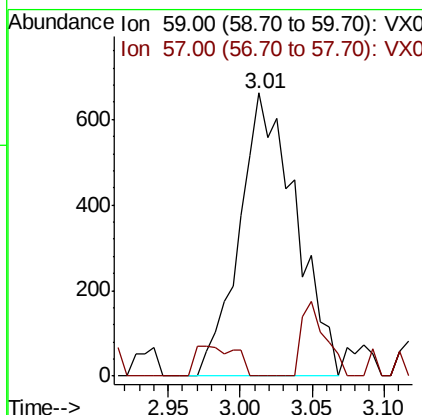
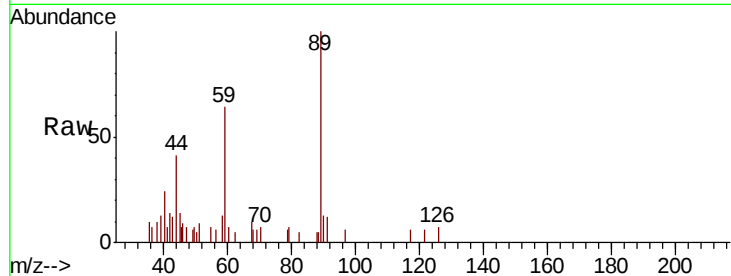




#11
Tert butyl alcohol
Concen: 2.571 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

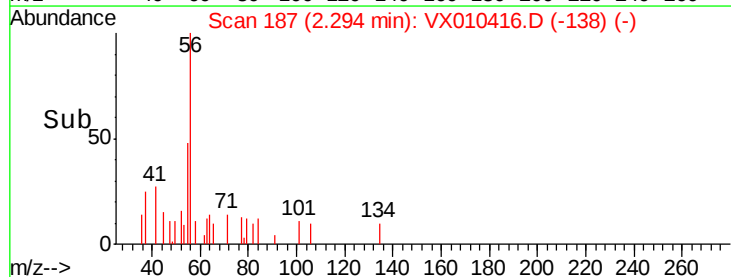
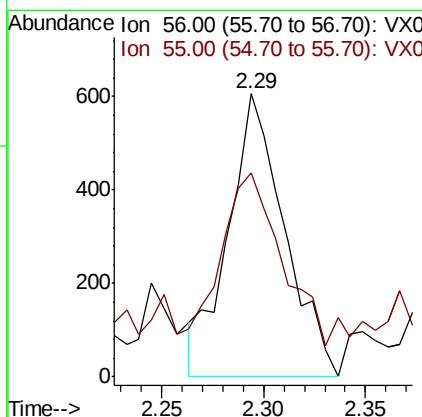
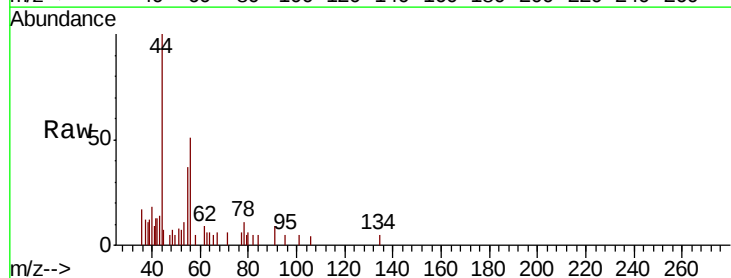
Instrument :
MSVOA_X
ClientSampleId :
BAT-B03

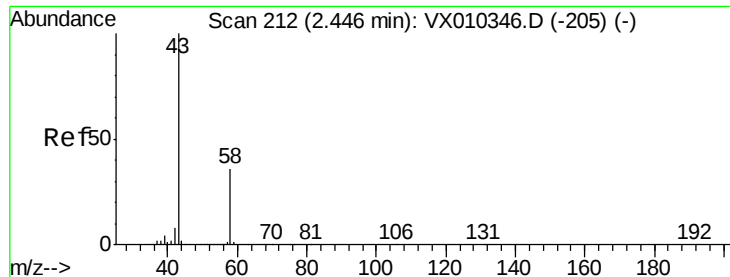
Tot Ion: 59 Resp: 1798
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: 2.496 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

Tgt Ion: 56 Resp: 1158
Ion Ratio Lower Upper
56 100
55 63.2 56.9 85.3





#16

Acetone

Concen: 12.424 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

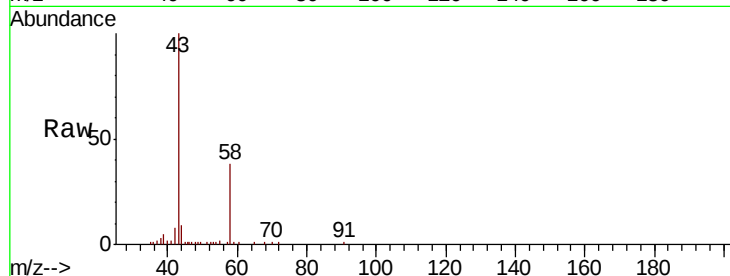
BAT-B03

Tot Ion: 43 Resp: 16643

Ion Ratio Lower Upper

43 100

58 37.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

10000

8000

6000

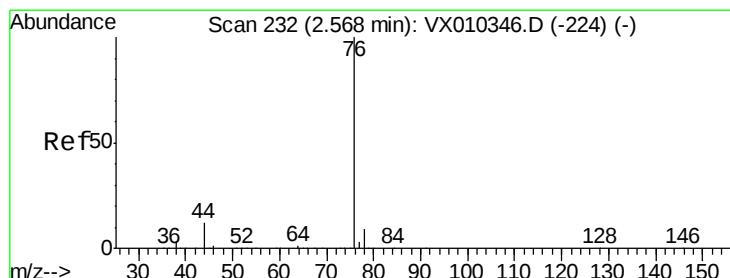
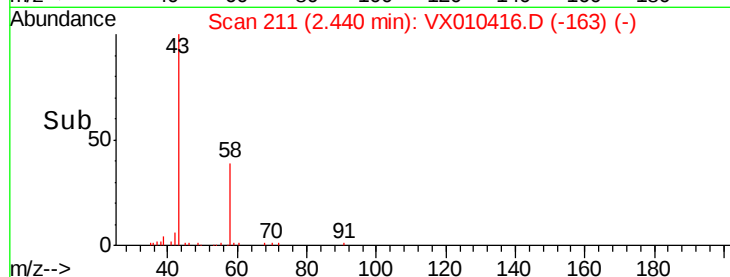
4000

2000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 0.458 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010416.D

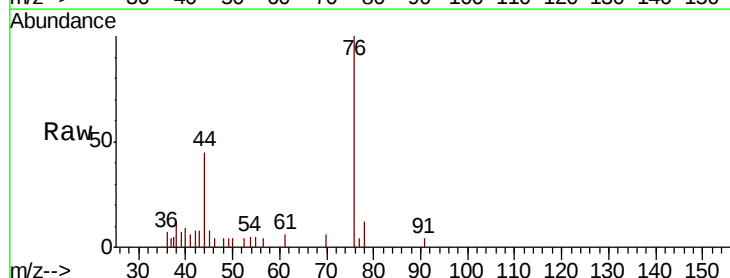
Acq: 24 Jun 2019 17:01

Tgt Ion: 76 Resp: 3039

Ion Ratio Lower Upper

76 100

78 12.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

2000

1500

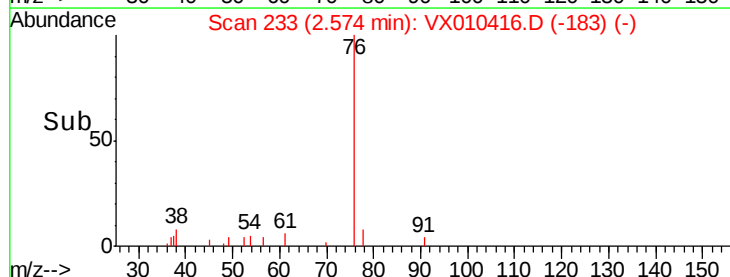
1000

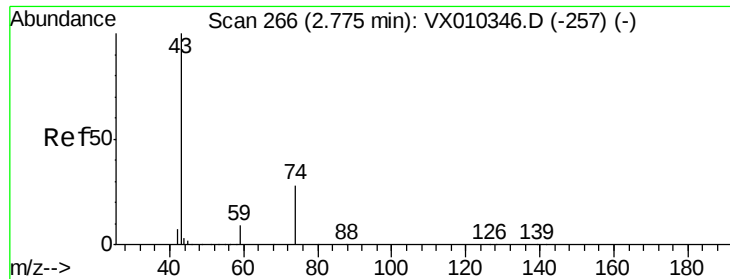
500

0

Time-->

2.50 2.55 2.60 2.65

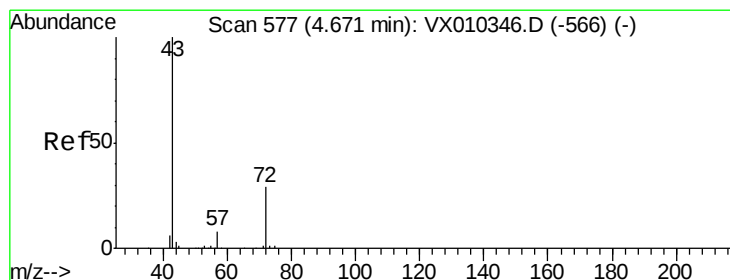
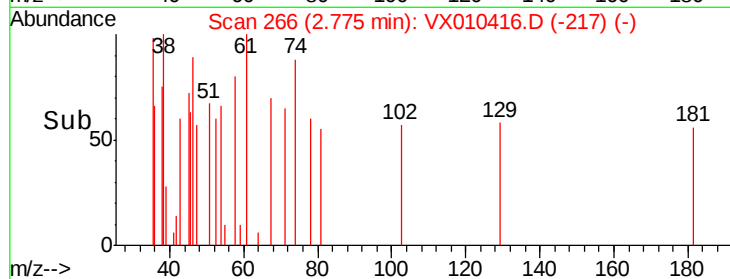
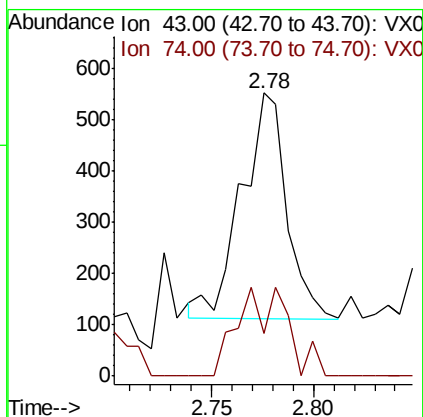
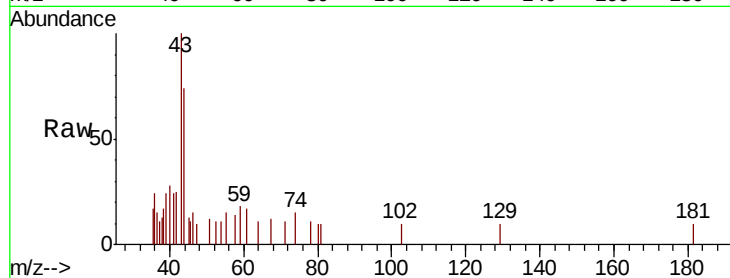




#18
Methvl Acetate
Concen: 0.253 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

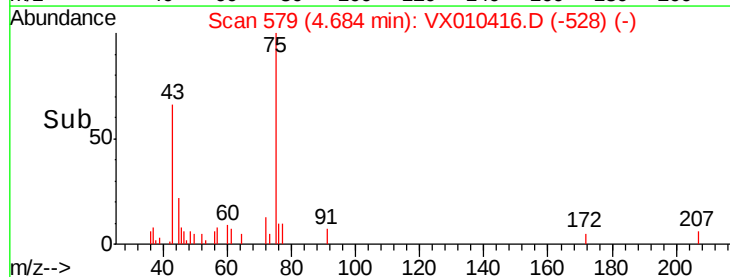
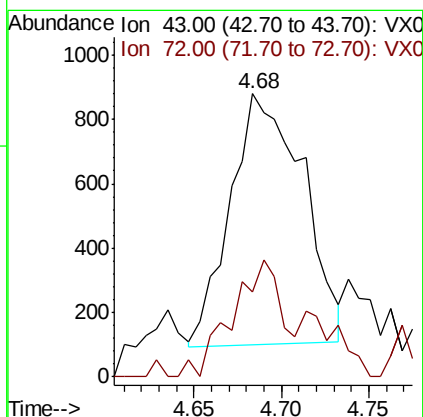
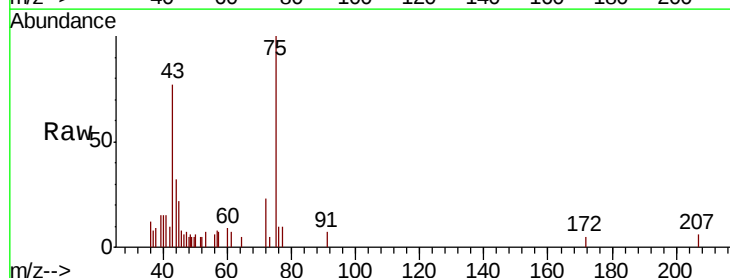
Instrument :
MSVOA_X
ClientSampled :
BAT-B03

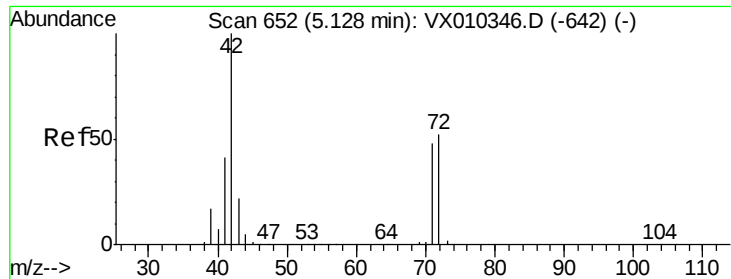
Tot Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
74 42.9 21.3 31.9#



#25
2-Butanone
Concen: 1.150 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

Tgt Ion: 43 Resp: 2260
Ion Ratio Lower Upper
43 100
72 27.1 23.3 34.9

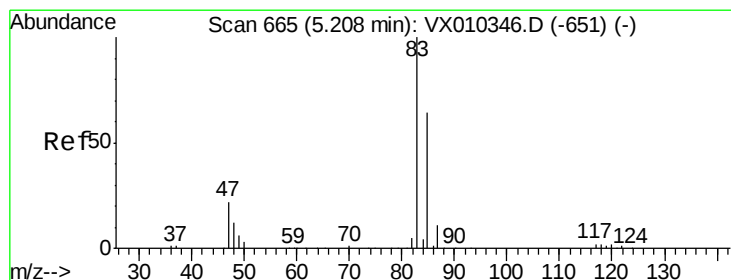
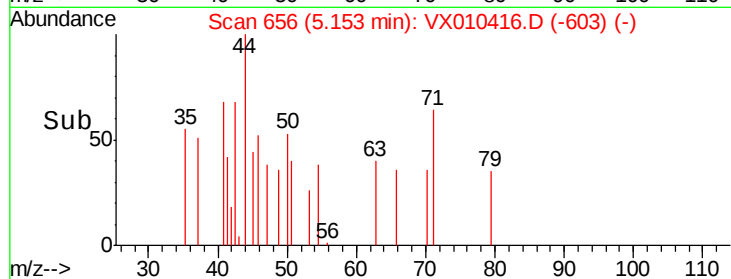
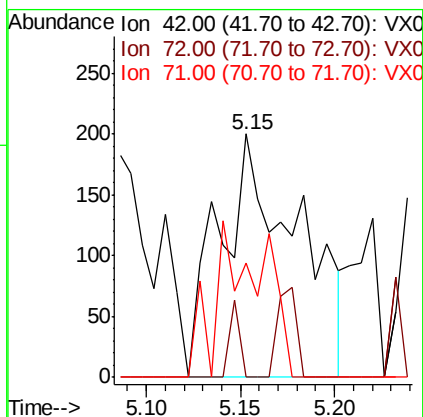
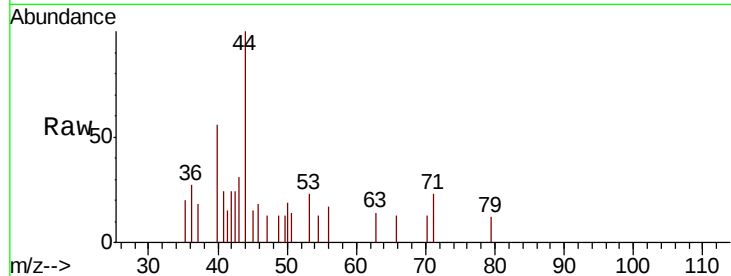




#29
Tetrahydrofuran
Concen: 0.476 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

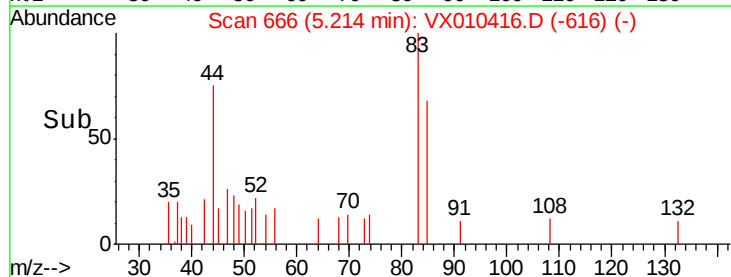
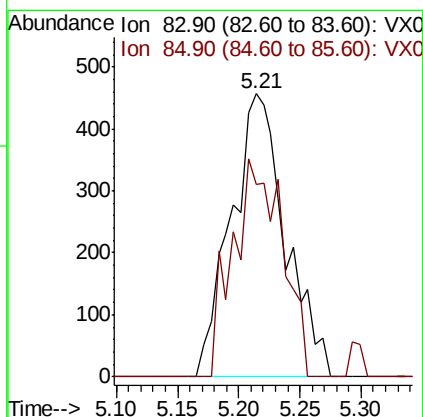
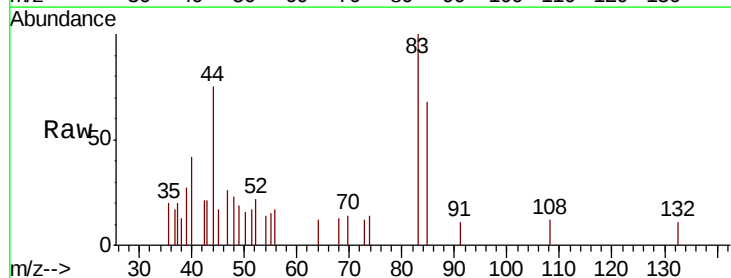
Instrument :
MSVOA_X
ClientSampled :
BAT-B03

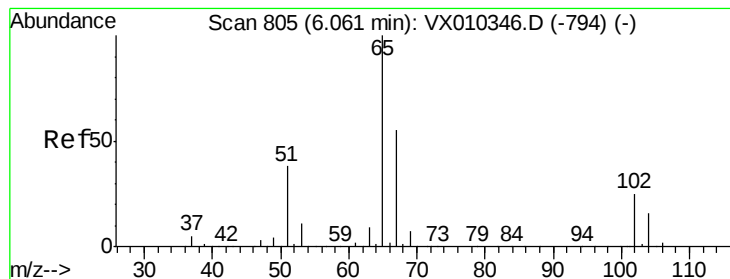
Tot Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 4.0 40.6 60.8#
71 27.8 37.8 56.8#



#30
Chloroform
Concen: 0.311 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

Tgt Ion: 83 Resp: 1417
Ion Ratio Lower Upper
83 100
85 67.8 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 49.612 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

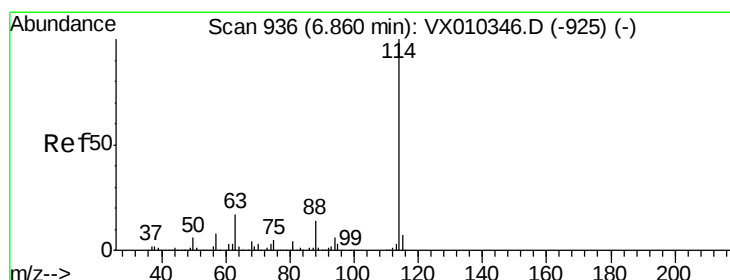
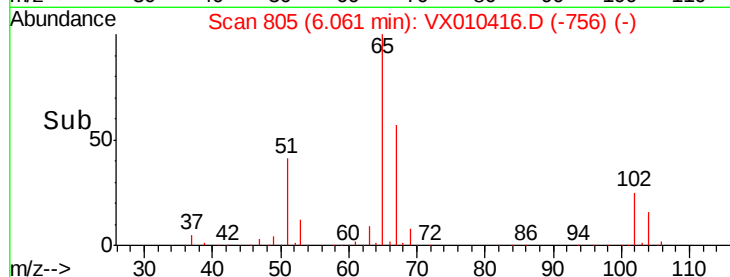
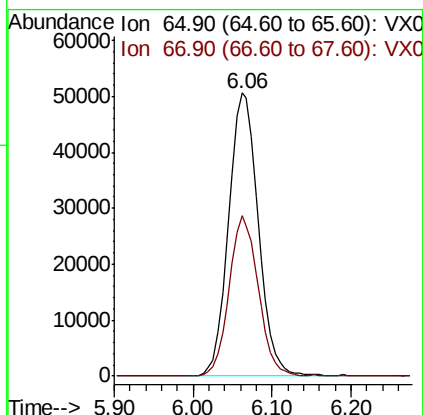
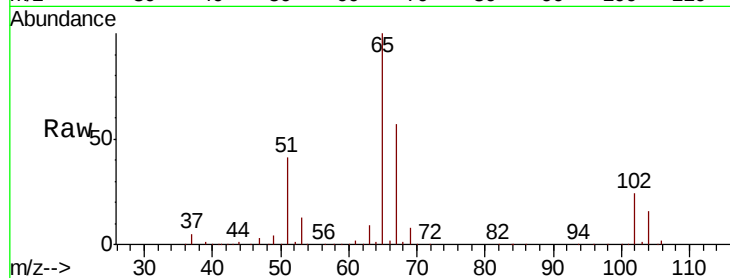
BAT-B03

Tot Ion: 65 Resp: 132607

Ion Ratio Lower Upper

65 100

67 55.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

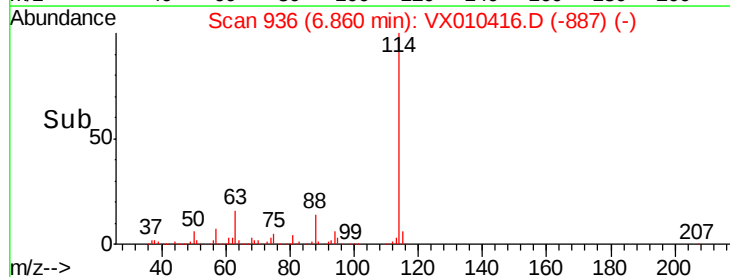
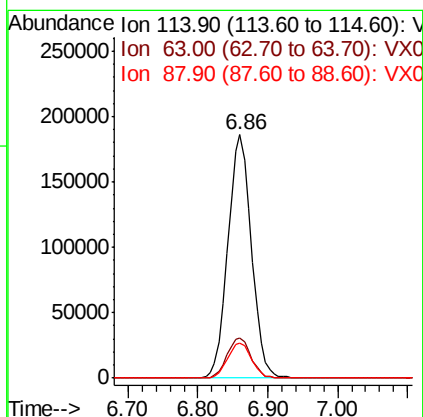
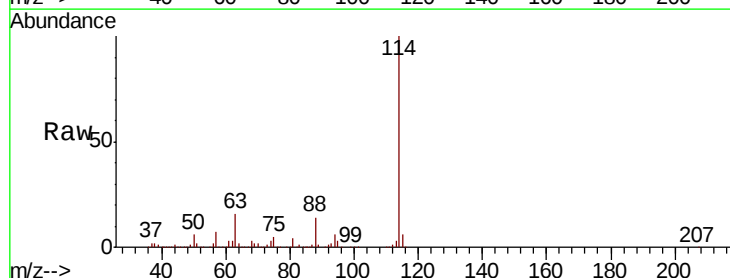
Tgt Ion: 114 Resp: 434457

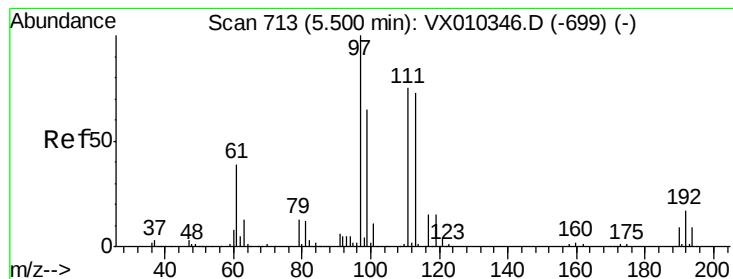
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.631 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

BAT-B03

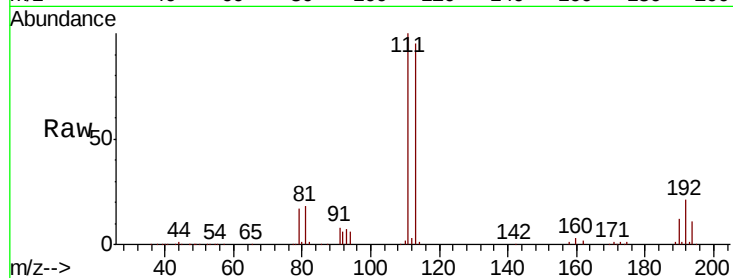
Tot Ion:113 Resp: 131927

Ion Ratio Lower Upper

113 100

111 103.5 81.2 121.8

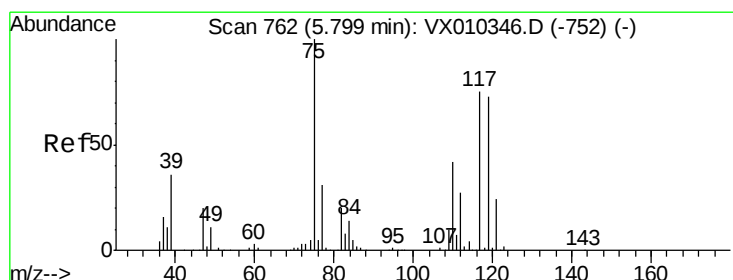
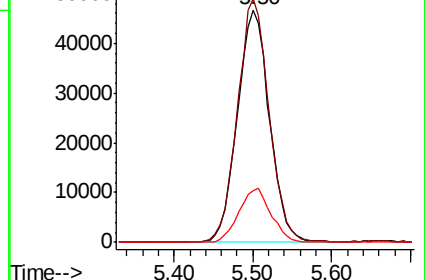
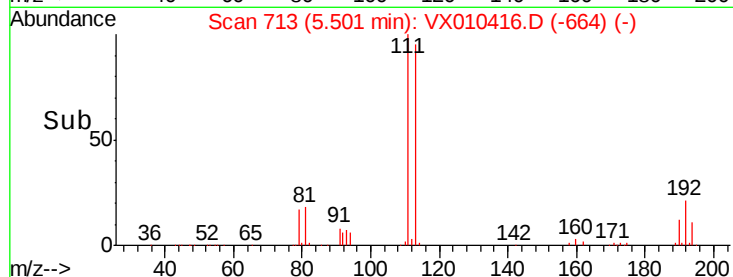
192 23.2 18.6 27.8



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: 5.090 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

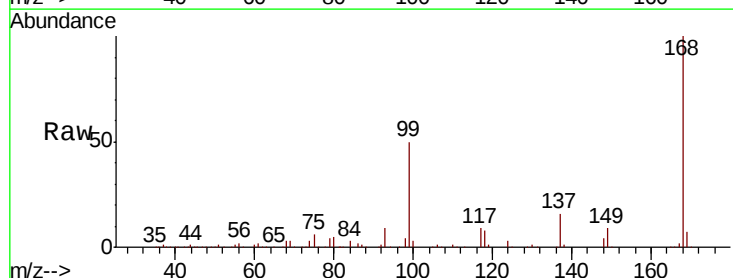
Tgt Ion: 75 Resp: 17574

Ion Ratio Lower Upper

75 100

110 10.1 20.8 62.2#

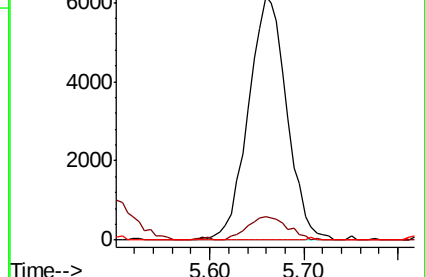
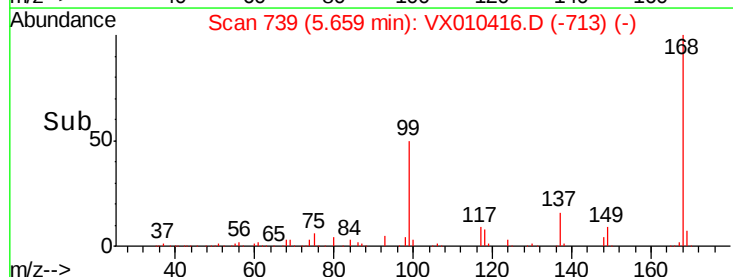
77 0.0 25.4 38.0#

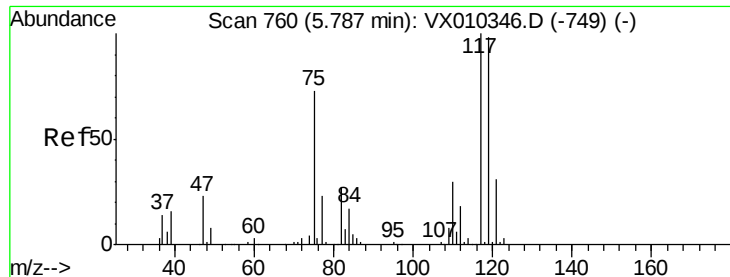


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

BAT-B03

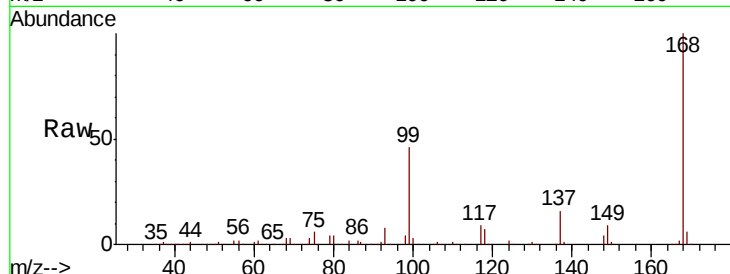
Tot Ion:117 Resp: 25252

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

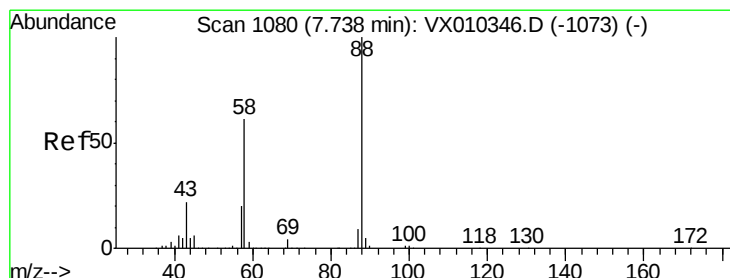
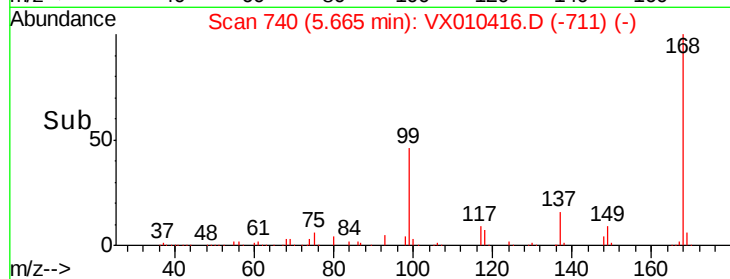
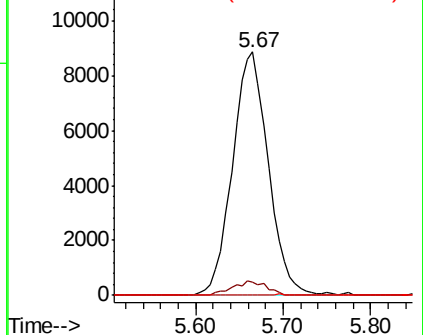
121 0.0 24.7 37.1#



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: 0.788 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

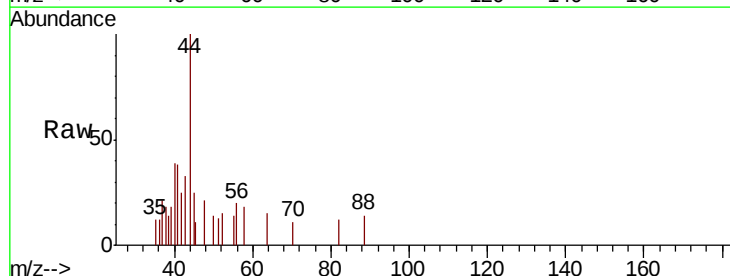
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

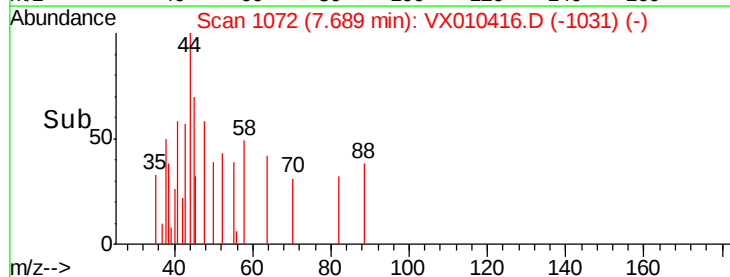
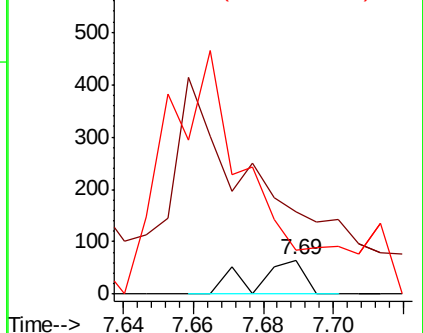
58 0.0 49.5 74.3#

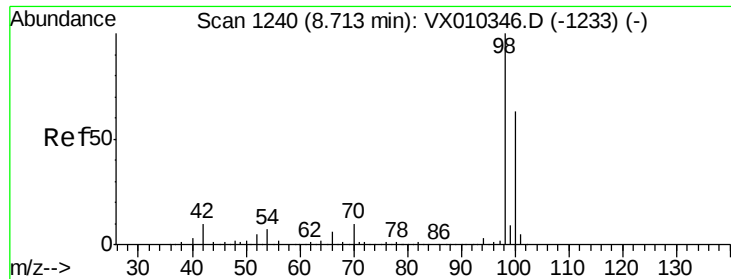


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.078 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

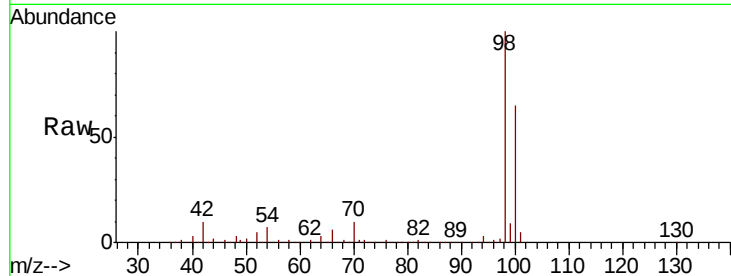
BAT-B03

Tot Ion: 98 Resp: 509270

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

300000

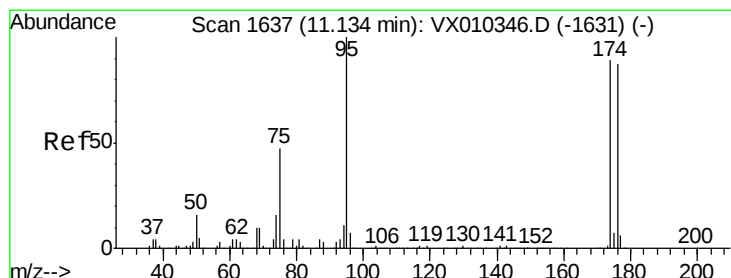
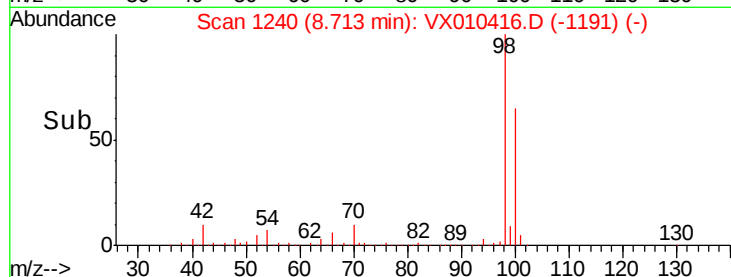
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.771 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

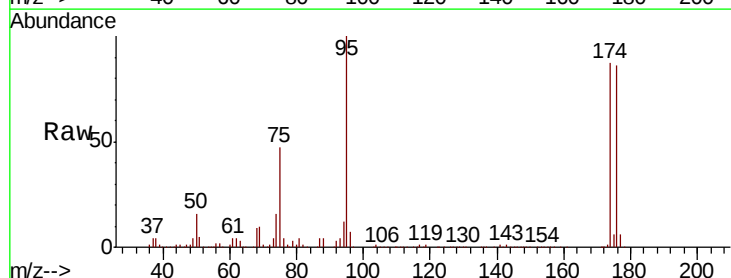
Tgt Ion: 95 Resp: 171721

Ion Ratio Lower Upper

95 100

174 94.4 0.0 187.6

176 91.3 0.0 184.0



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

11.13

150000

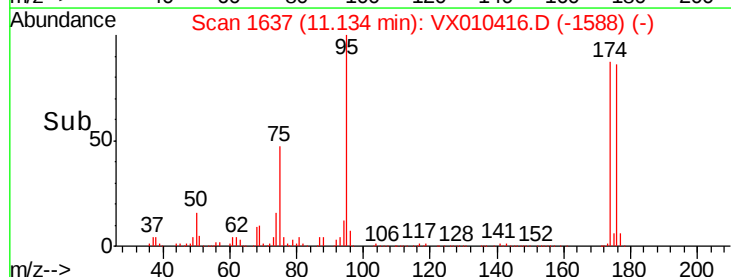
100000

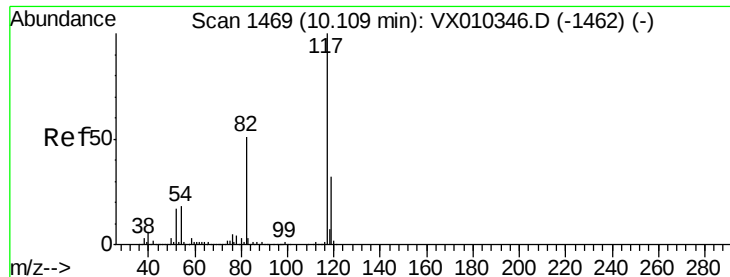
50000

0

Time-->

11.10 11.20

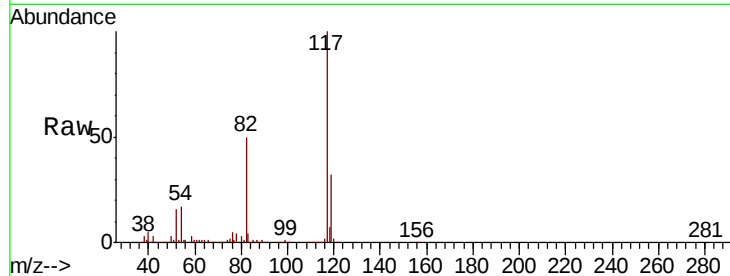




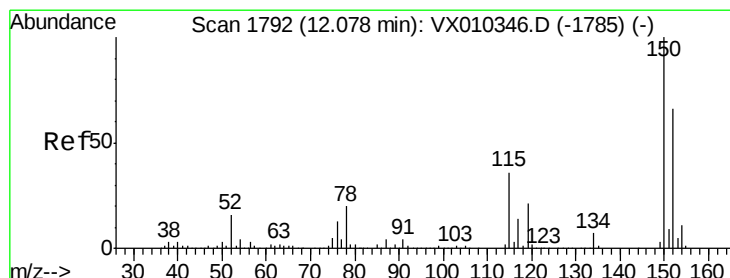
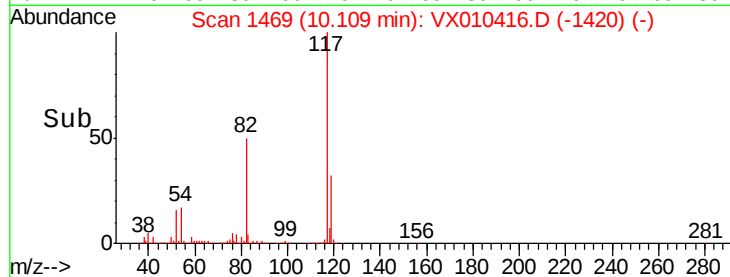
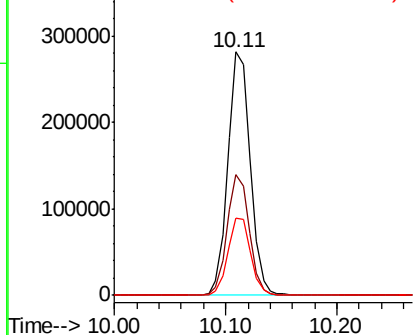
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
BAT-B03

Tot Ion:117 Resp: 392074
Ion Ratio Lower Upper
117 100
82 49.8 41.2 61.8
119 31.6 25.5 38.3

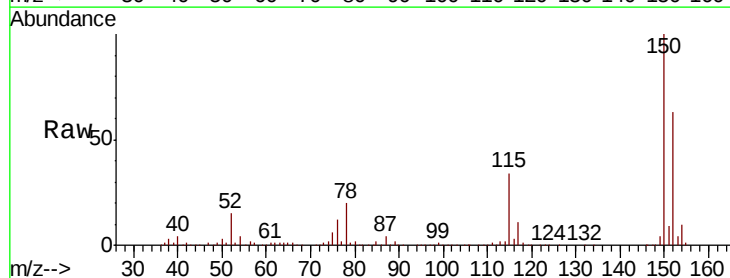


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

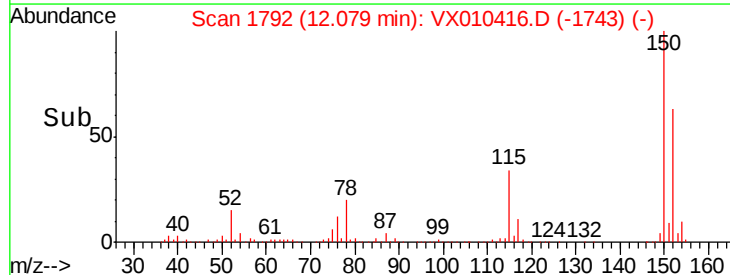
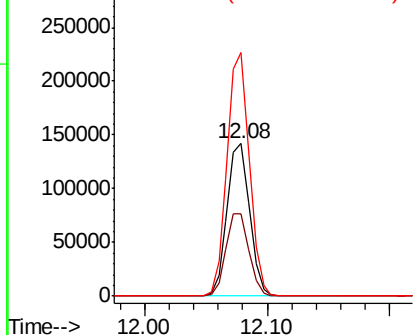


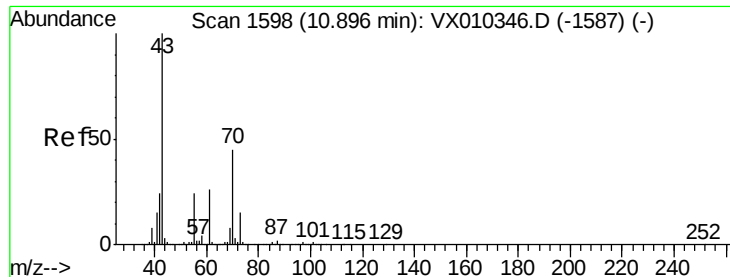
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010416.D
Acq: 24 Jun 2019 17:01

Tgt Ion:152 Resp: 180985
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 157.7 0.0 347.4



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





#74

N-amvl acetate

Concen: 0.281 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

BAT-B03

Tot Ion: 43 Resp: 1301

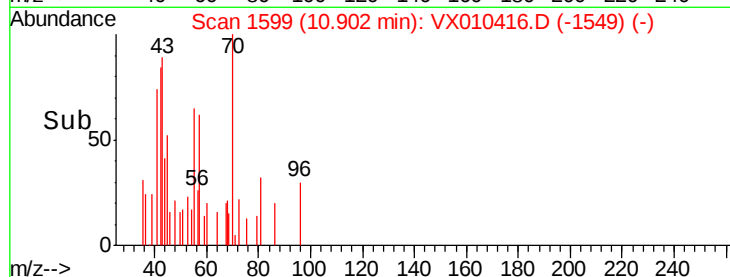
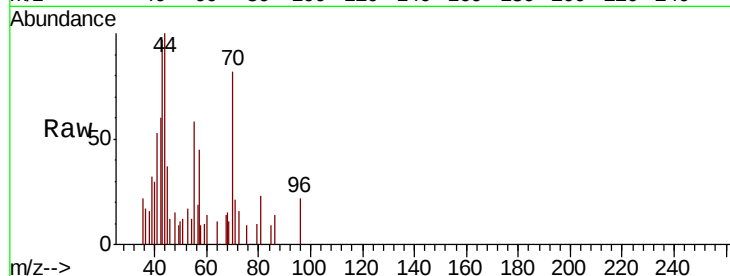
Ion Ratio Lower Upper

43 100

70 70.9 36.6 54.8#

55 54.0 18.7 28.1#

61 0.0 20.6 31.0#

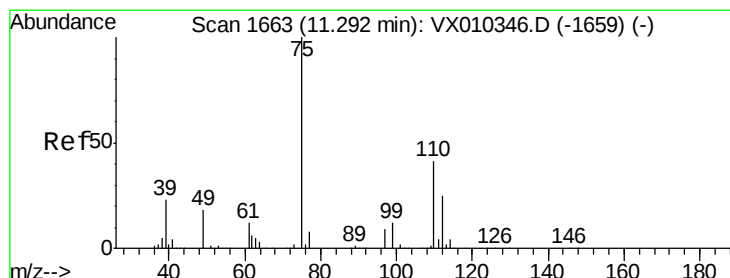
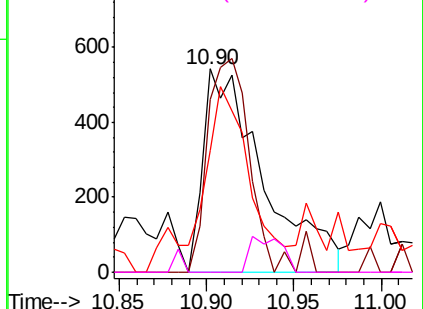


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010416.D

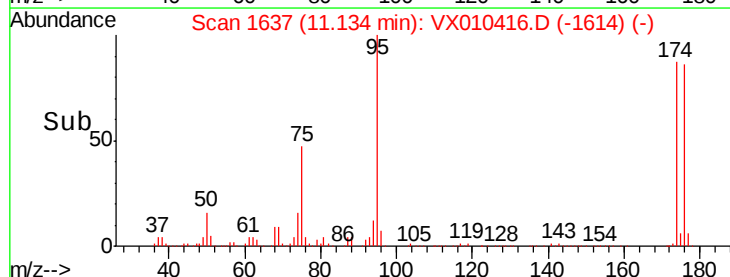
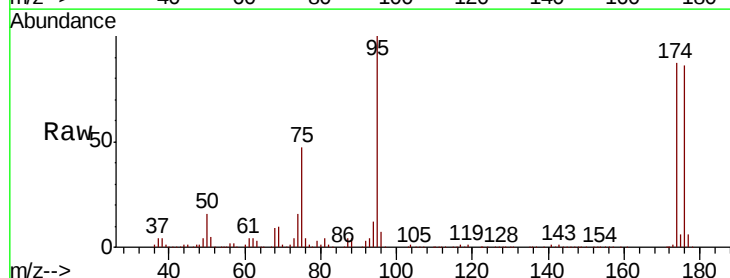
Acq: 24 Jun 2019 17:01

Tgt Ion: 75 Resp: 80595

Ion Ratio Lower Upper

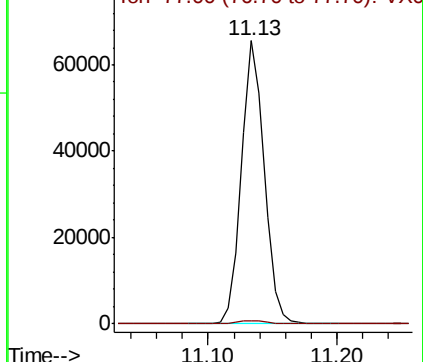
75 100

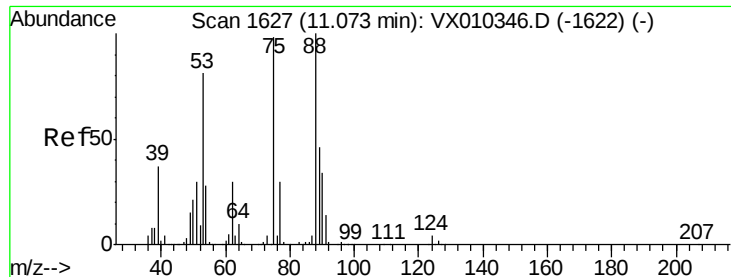
77 1.3 22.6 67.8#



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: 57.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010416.D

Acq: 24 Jun 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

BAT-B03

Tot Ion: 75 Resp: 80595

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

