

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010355.D
 Acq On : 20 Jun 2019 14:28
 Operator : JC/SP
 Sample : K3469-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-062019-01

Quant Time: Jun 21 01:21:18 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	5.66	168	320483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	483816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189826	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	145753	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.49	113	147332	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	562012	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	181249	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	

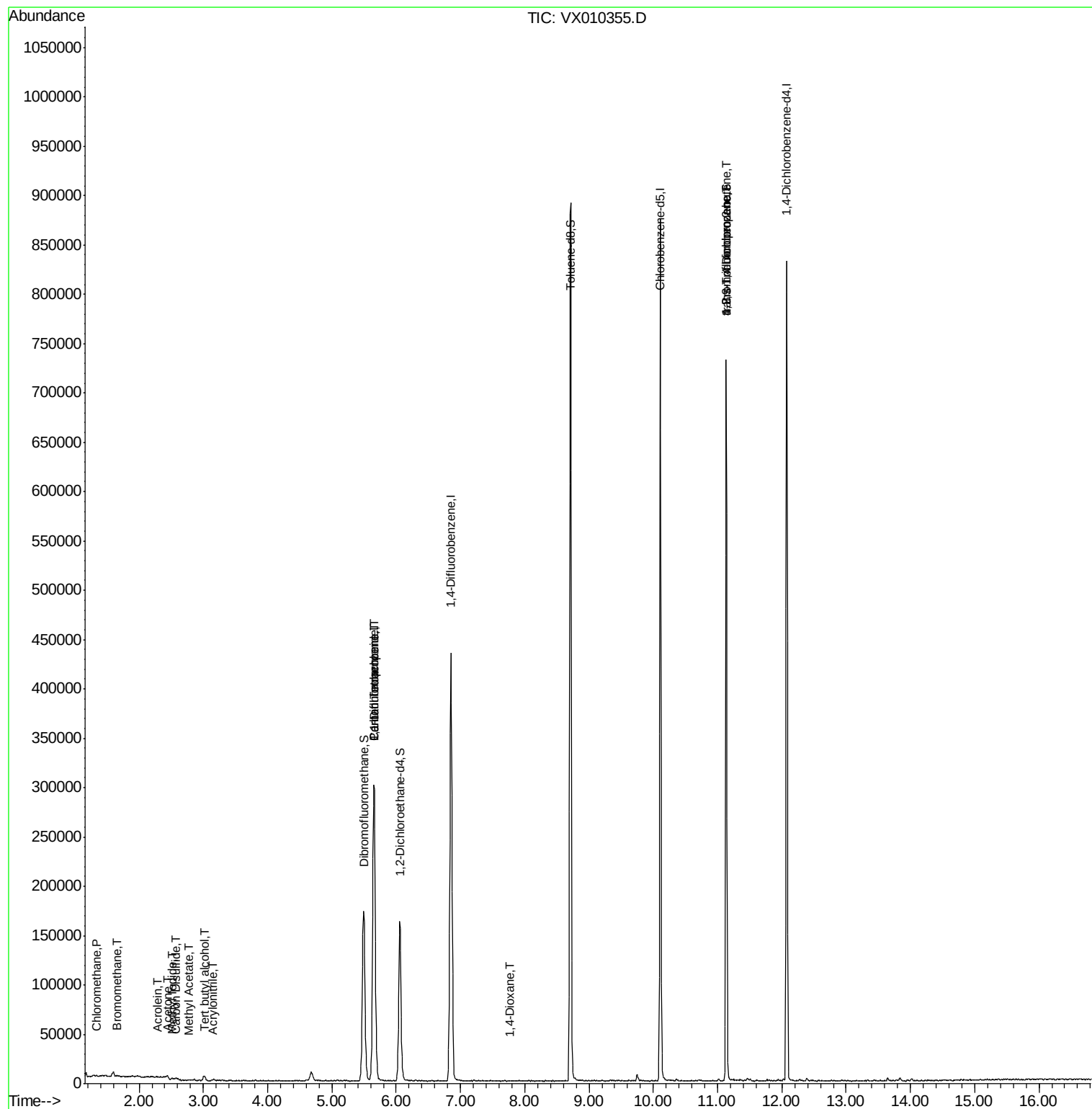
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	543	0.209	ug/l #	46
5) Bromomethane	1.65	94	919	0.664	ug/l	88
10) Methyl Iodide	2.51	142	1663	0.427	ug/l #	89
11) Tert butyl alcohol	3.01	59	2602	3.309	ug/l	99
13) Acrolein	2.29	56	463	0.888	ug/l #	80
15) Acrylonitrile	3.15	53	425	0.273	ug/l #	56
16) Acetone	2.44	43	2082	1.383	ug/l	99
17) Carbon Disulfide	2.57	76	2186	0.293	ug/l #	91
18) Methyl Acetate	2.77	43	635	0.212	ug/l #	70
36) 1,1-Dichloropropene	5.65	75	19285	5.016	ug/l #	48
38) Carbon Tetrachloride	5.65	117	28027	6.732	ug/l #	16
49) 1,4-Dioxane	7.77	88	48	0.548	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	84595	24.456	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84595	57.052	ug/l #	16

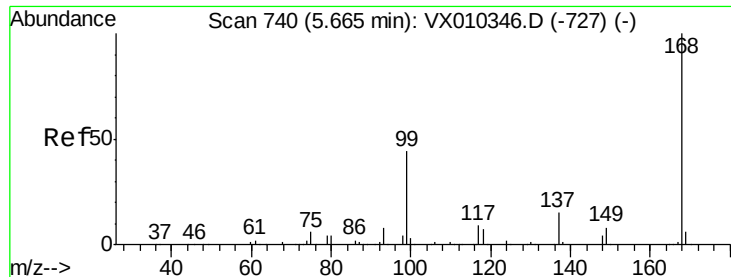
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampled :

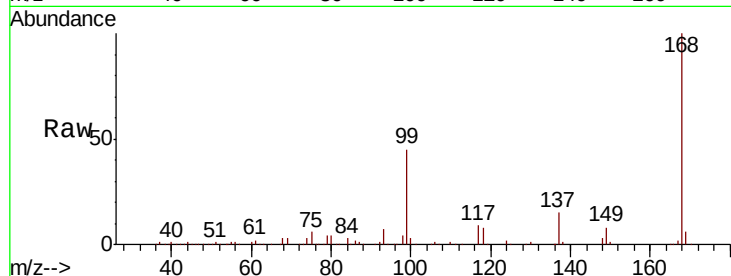
TB-062019-01

Tot Ion:168 Resp: 320483

Ion Ratio Lower Upper

168 100

99 45.3 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

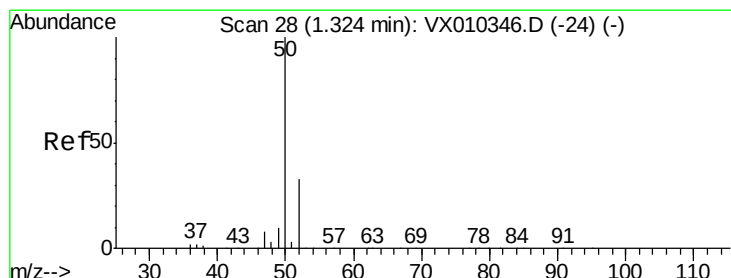
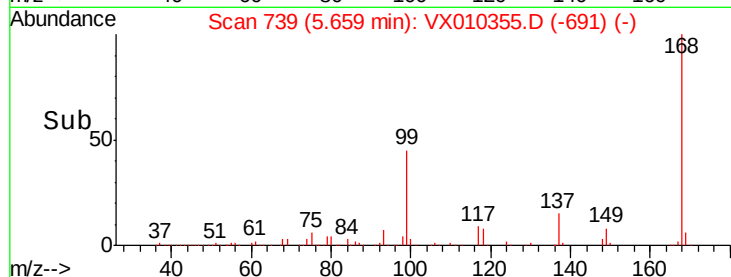
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010355.D

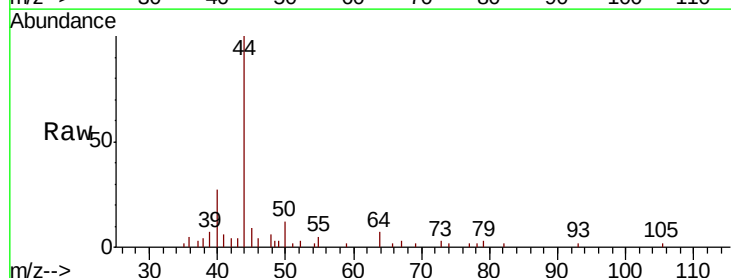
Acq: 20 Jun 2019 14:28

Tgt Ion: 50 Resp: 543

Ion Ratio Lower Upper

50 100

52 2.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

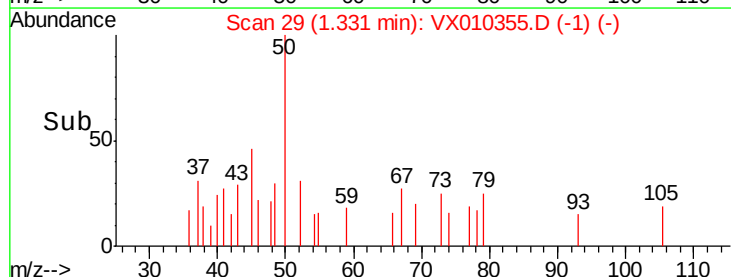
300

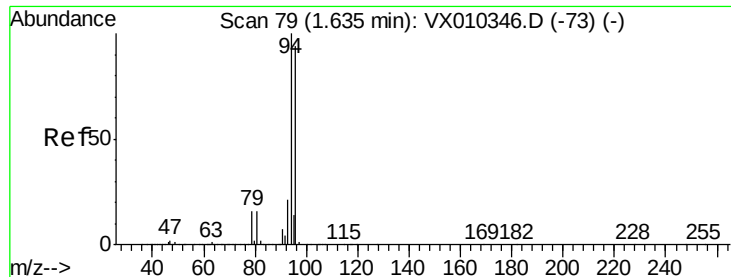
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.664 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampleId :

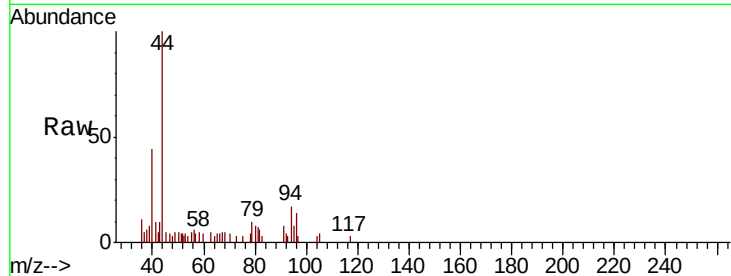
TB-062019-01

Tot Ion: 94 Resp: 919

Ion Ratio Lower Upper

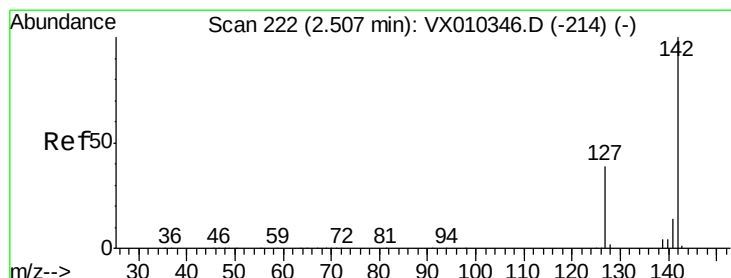
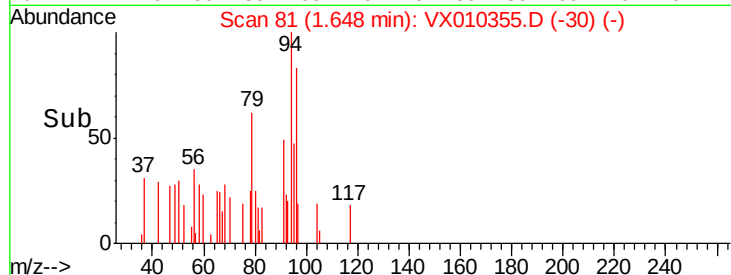
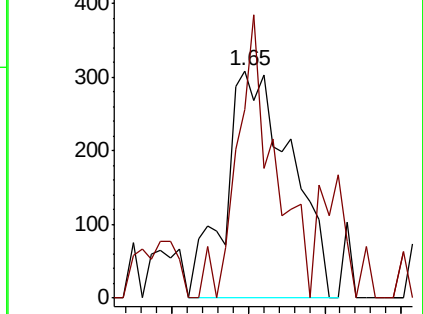
94 100

96 83.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.427 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

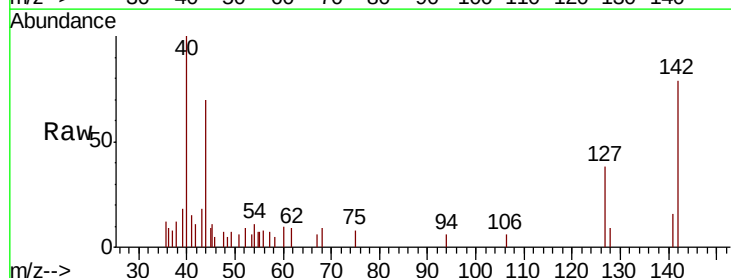
Tgt Ion: 142 Resp: 1663

Ion Ratio Lower Upper

142 100

127 47.3 31.1 46.7#

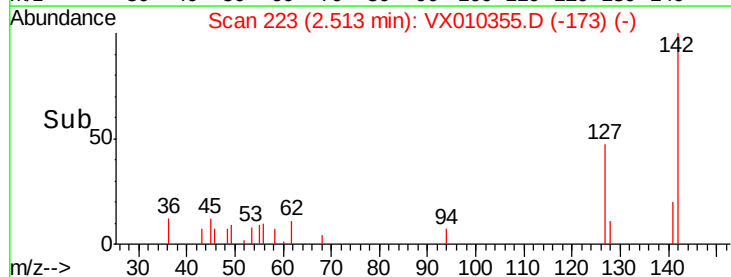
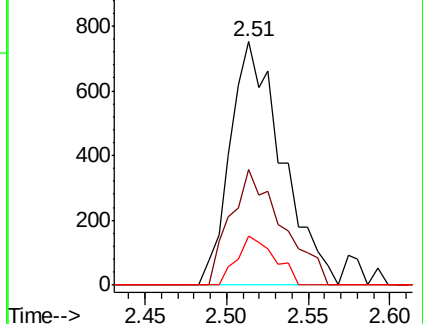
141 14.6 11.2 16.8

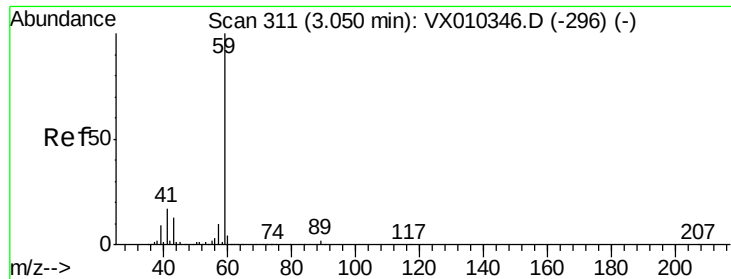


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



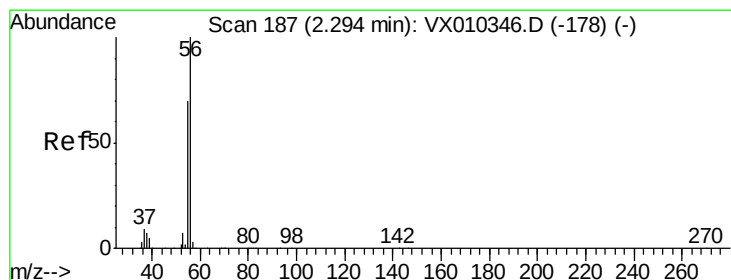
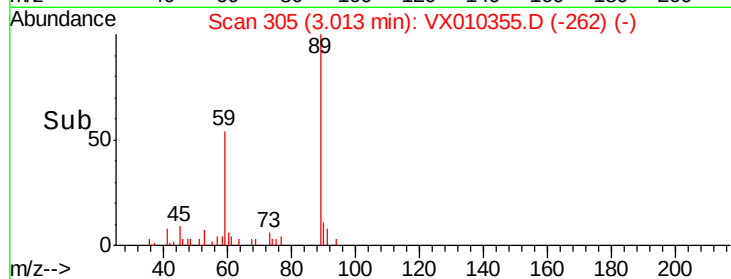
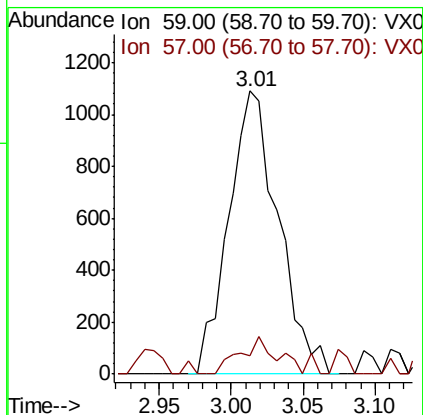
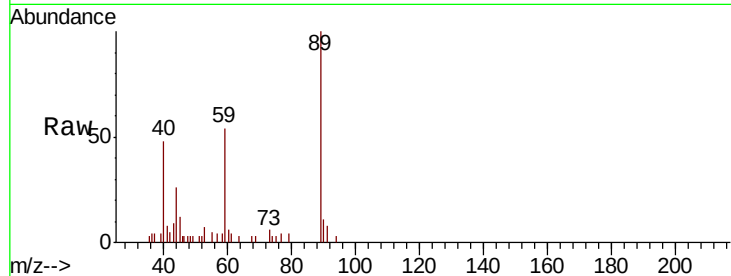


#11

Tert butyl alcohol
 Concen: 3.309 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

Instrument :
 MSVOA_X
 ClientSampled :
 TB-062019-01

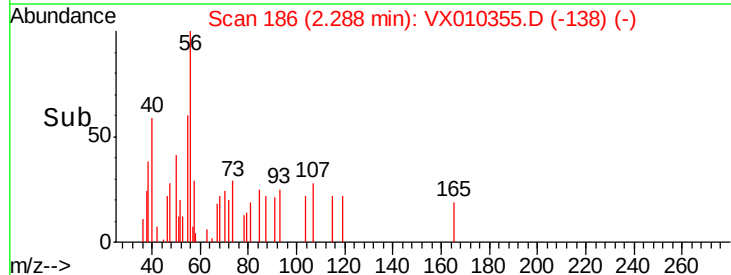
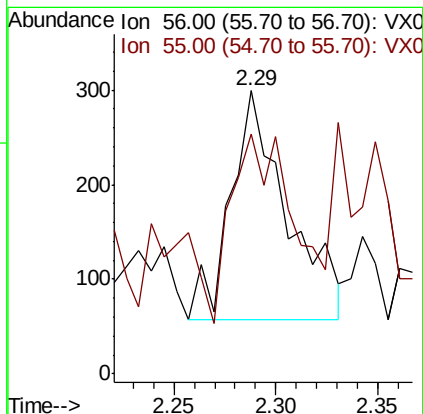
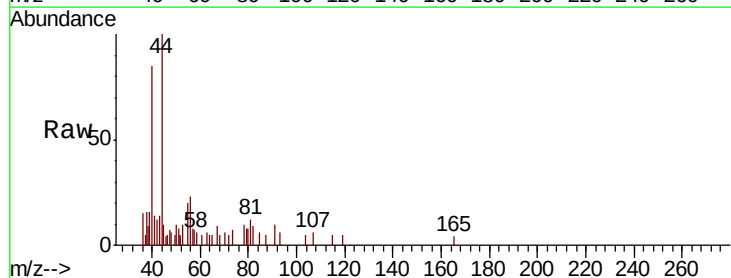
Tot Ion: 59 Resp: 2602
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

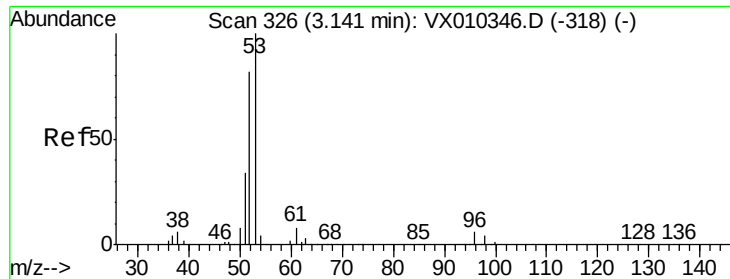


#13

Acrolein
 Concen: 0.888 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

Tgt Ion: 56 Resp: 463
 Ion Ratio Lower Upper
 56 100
 55 87.3 56.9 85.3#





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampleId :

TB-062019-01

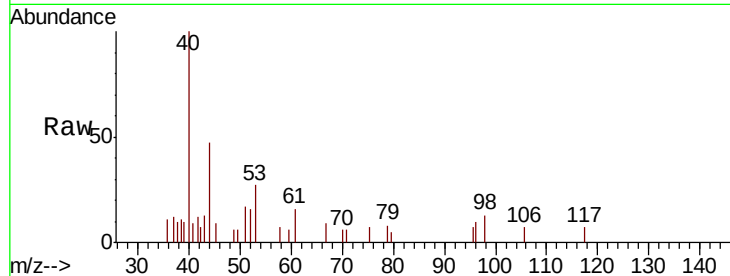
Tot Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 135.8 65.5 98.3#

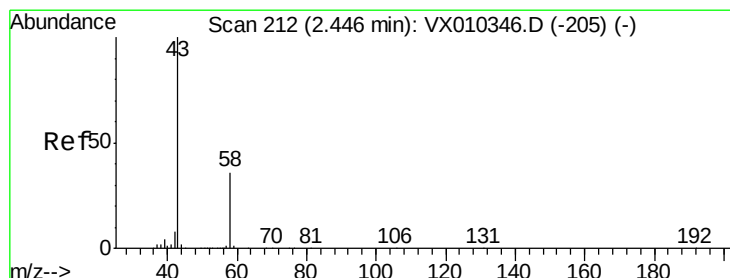
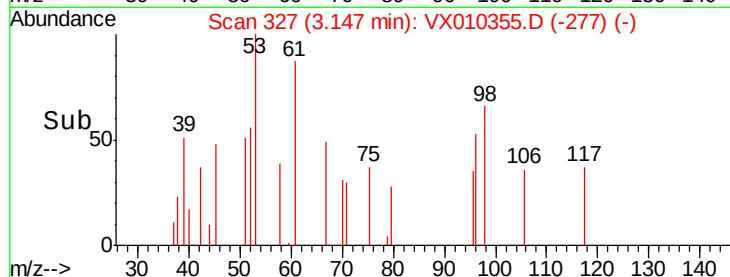
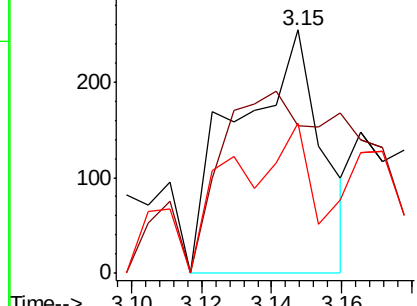
51 38.6 28.2 42.4



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: 1.383 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010355.D

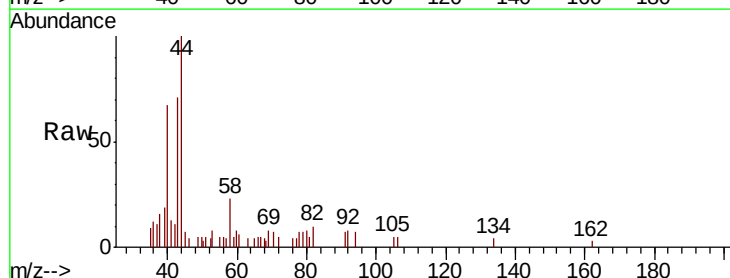
Acq: 20 Jun 2019 14:28

Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

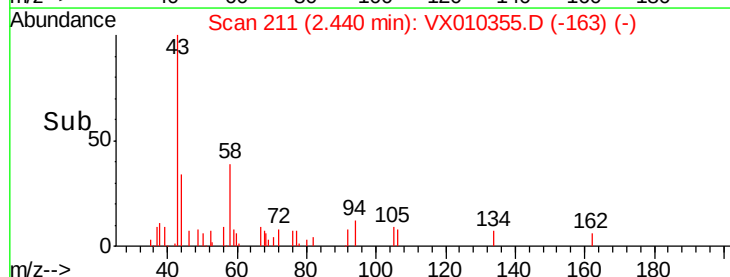
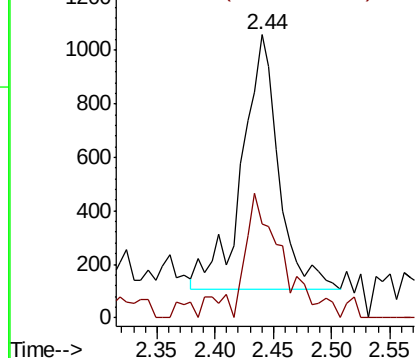
43 100

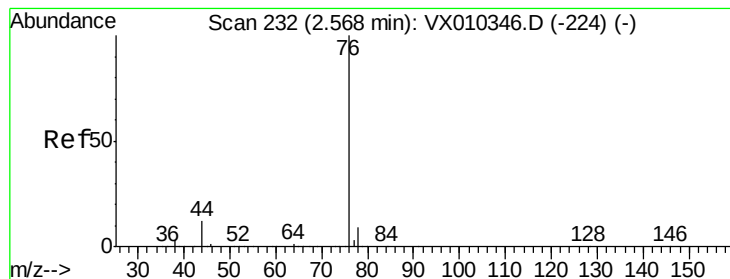
58 36.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.293 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampled :

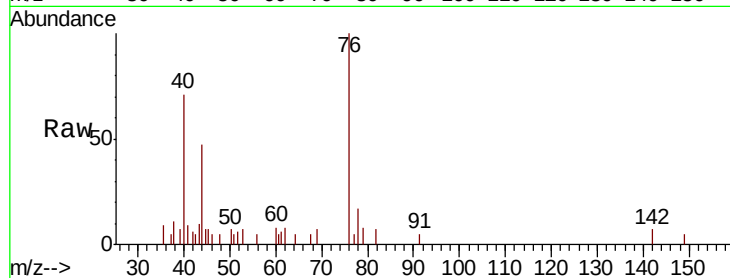
TB-062019-01

Tot Ion: 76 Resp: 2186

Ion Ratio Lower Upper

76 100

78 12.2 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

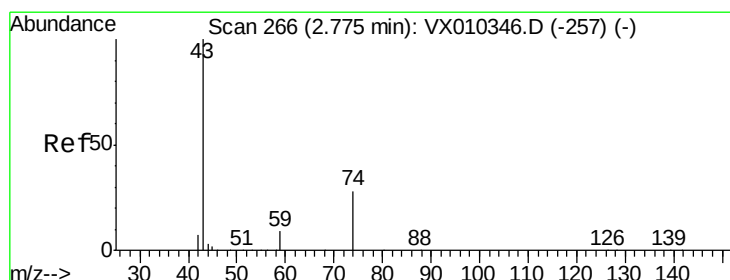
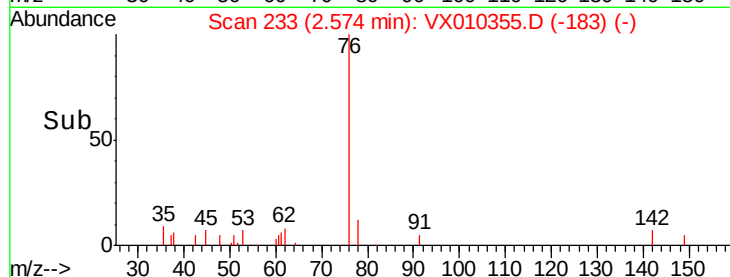
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.212 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010355.D

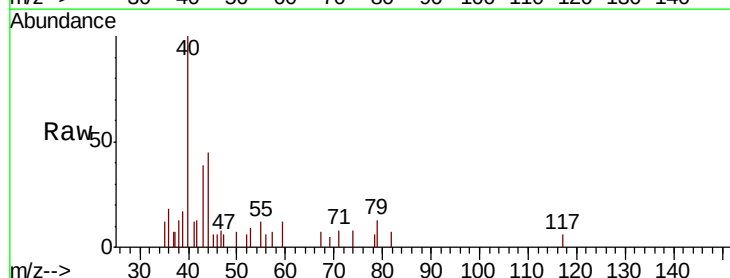
Acq: 20 Jun 2019 14:28

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

43 100

74 11.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

400

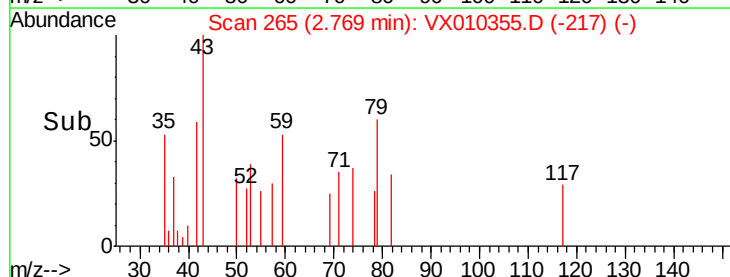
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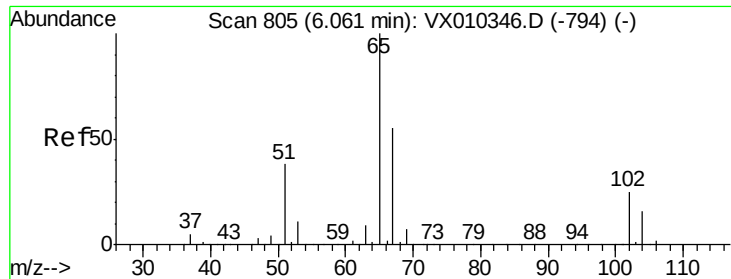
200

100

0

Time-->

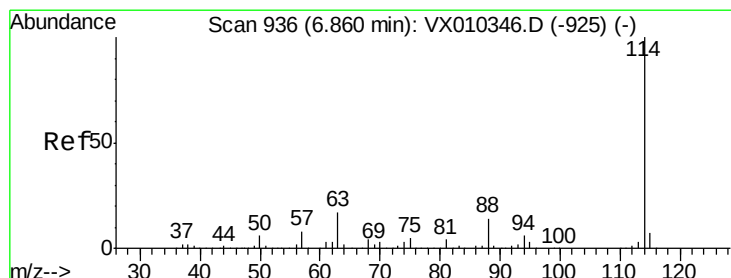
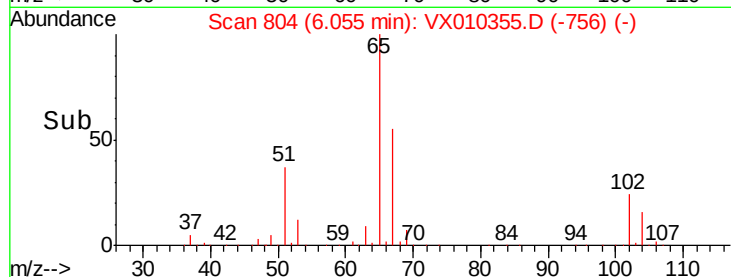
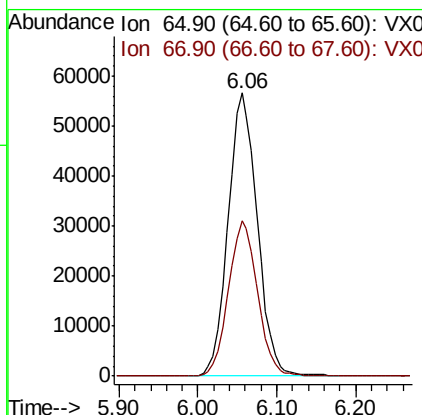
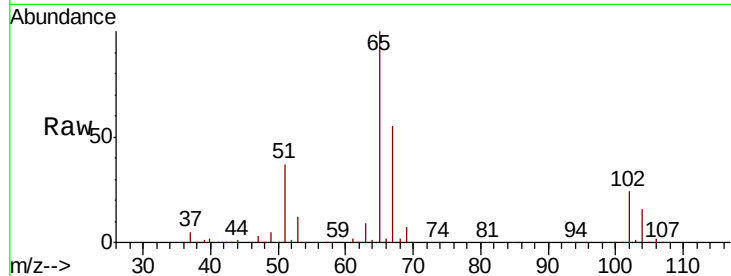




#33
 1,2-Dichloroethane-d4
 Concen: 48.506 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

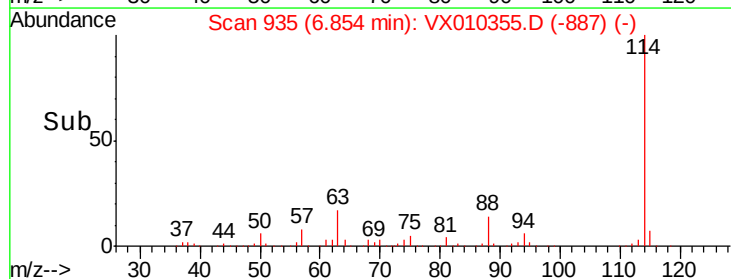
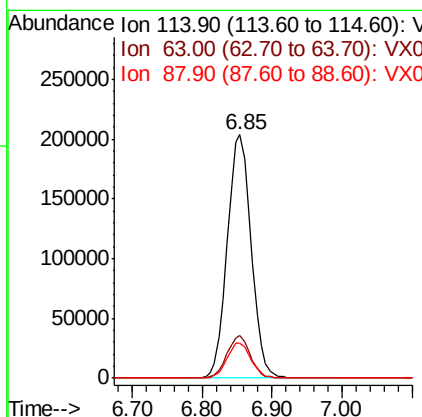
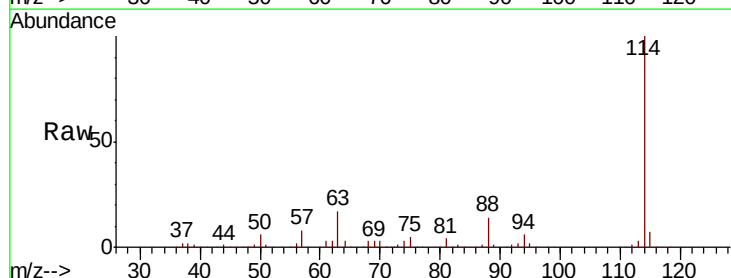
Instrument :
 MSVOA_X
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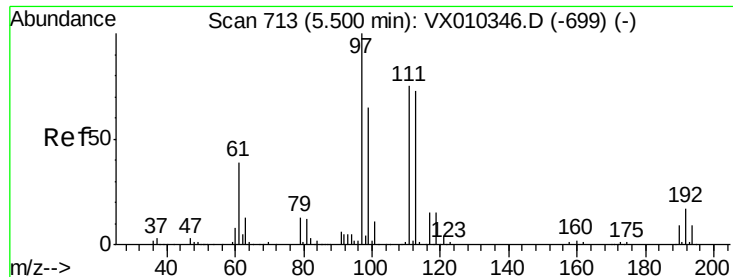
Tot Ion: 65 Resp: 145753
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

Tgt Ion: 114 Resp: 483816
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.8
 88 14.3 0.0 27.6

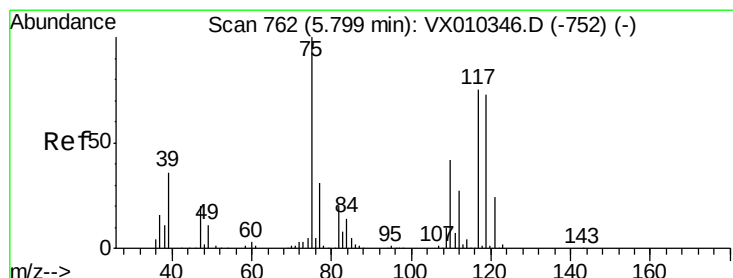
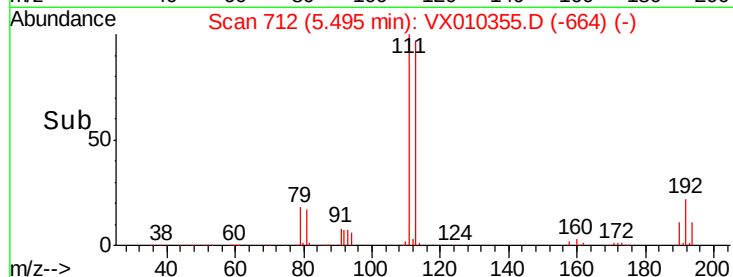
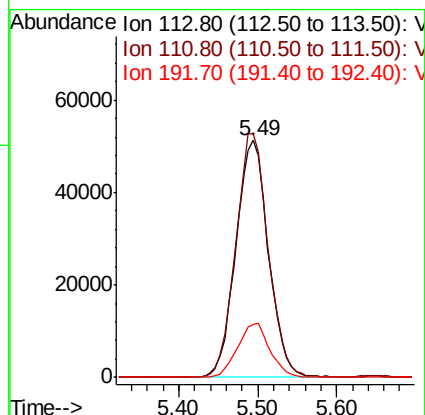
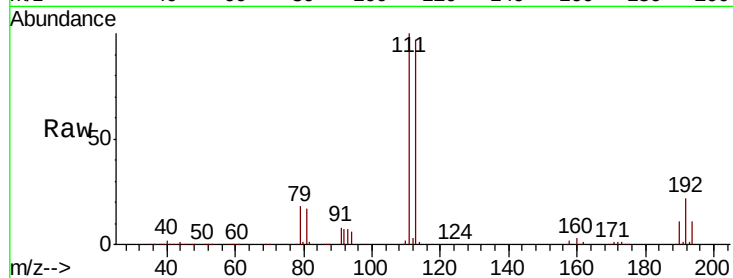




#35
 Dibromofluoromethane
 Concen: 49.772 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

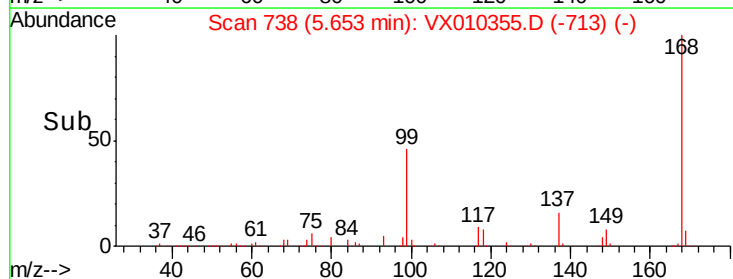
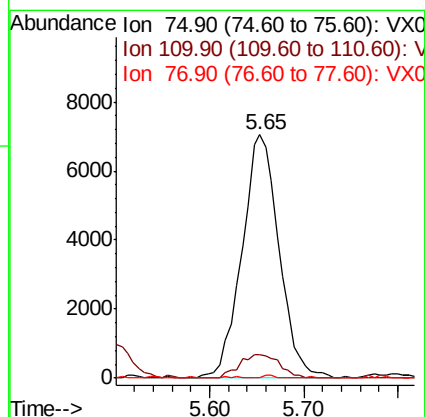
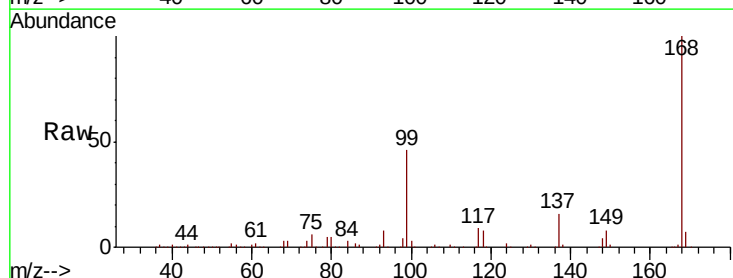
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-062019-01

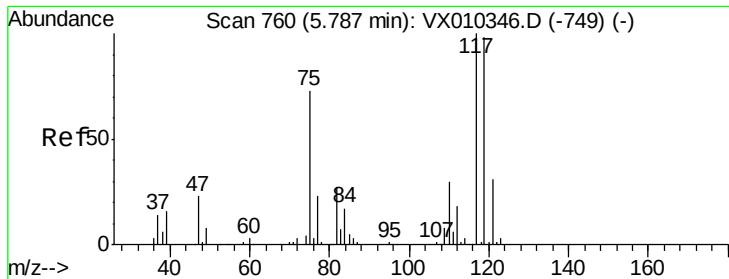
Tot Ion:113 Resp: 147332
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.2 121.8
 192 22.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.016 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010355.D
 Acq: 20 Jun 2019 14:28

Tgt Ion: 75 Resp: 19285
 Ion Ratio Lower Upper
 75 100
 110 10.5 20.8 62.2#
 77 0.3 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.732 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampled :

TB-062019-01

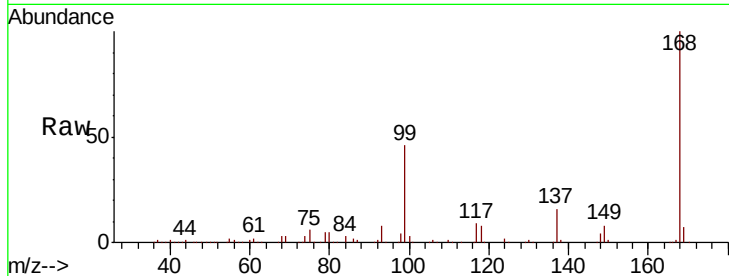
Tot Ion:117 Resp: 28027

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.4#

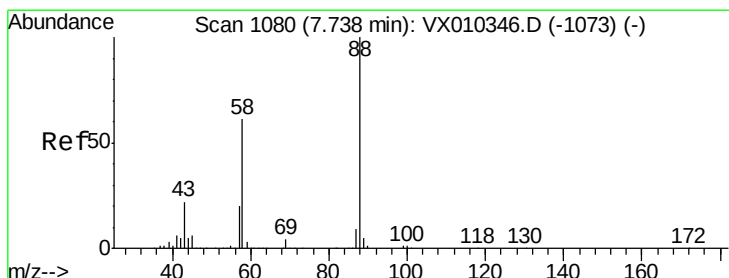
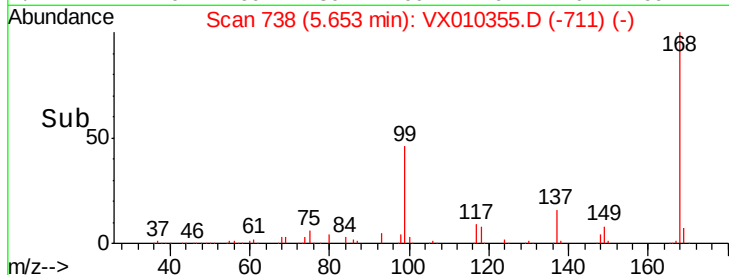
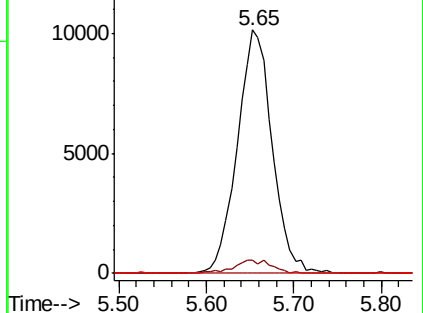
121 0.0 24.7 37.1#



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: 0.548 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

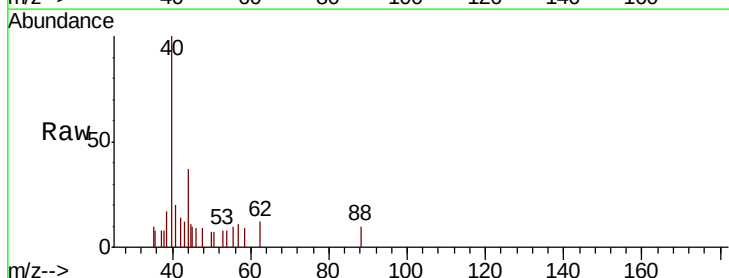
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

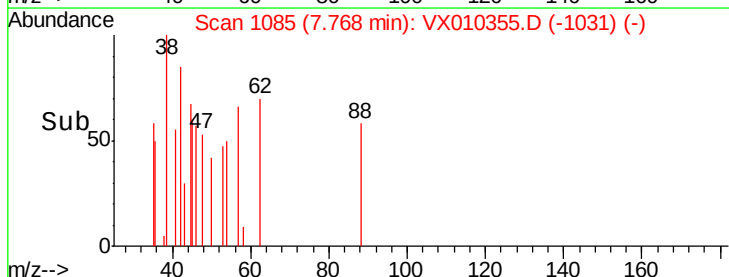
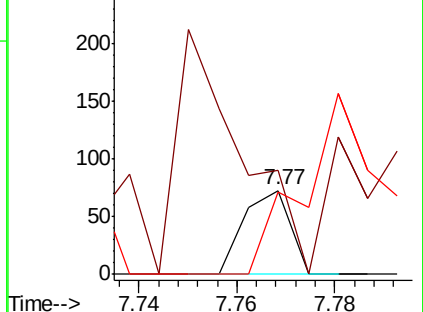
58 393.8 49.5 74.3#

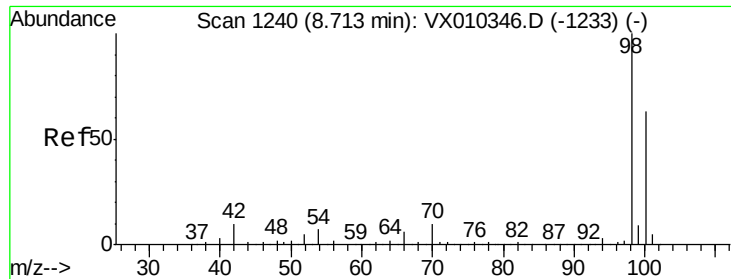


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.626 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampleId :

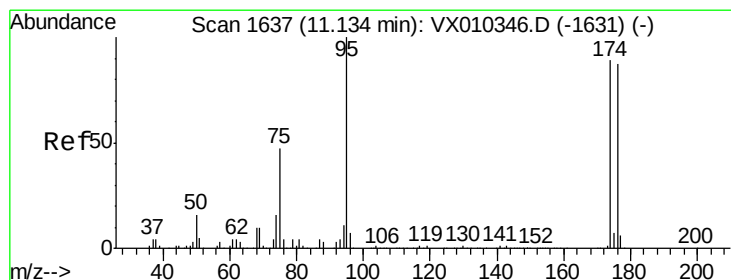
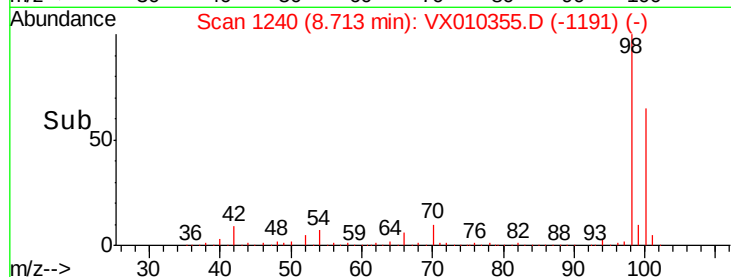
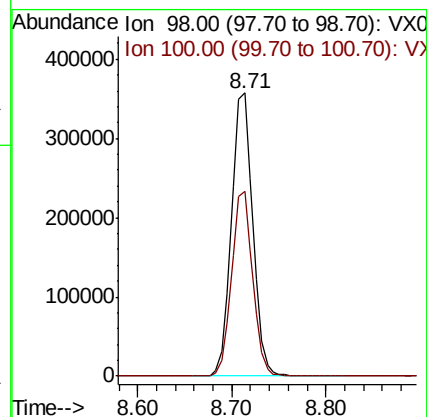
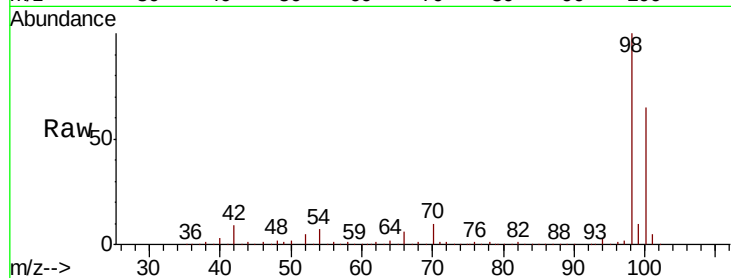
TB-062019-01

Tot Ion: 98 Resp: 562012

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.330 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

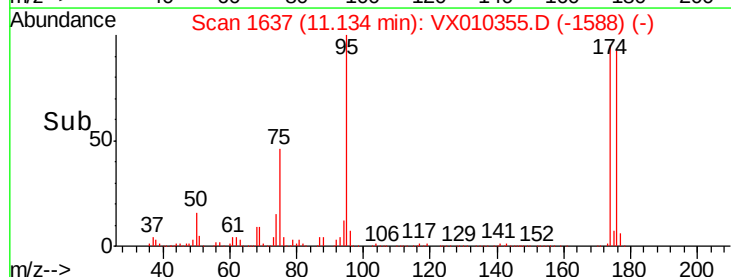
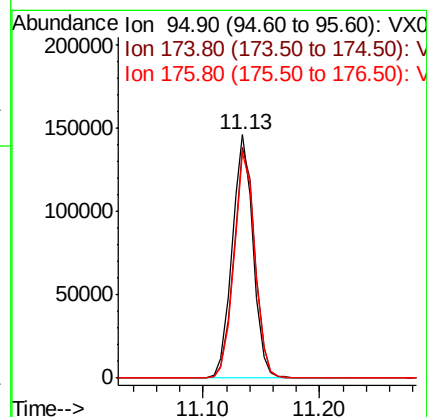
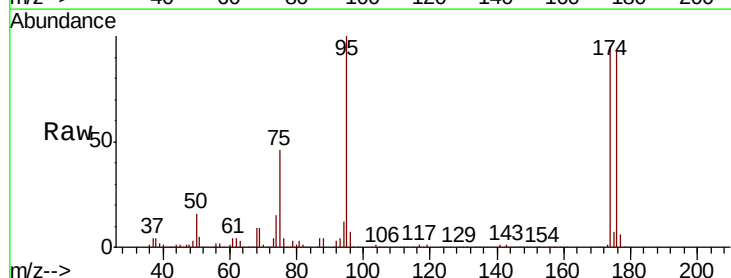
Tgt Ion: 95 Resp: 181249

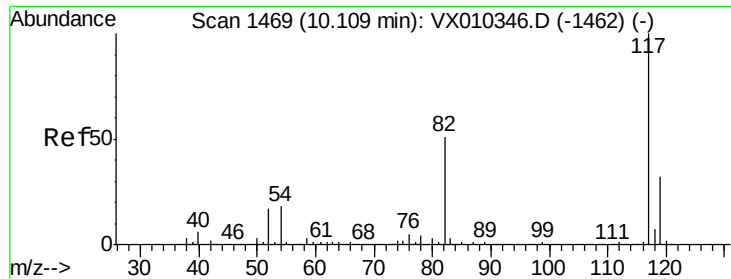
Ion Ratio Lower Upper

95 100

174 96.2 0.0 187.6

176 93.3 0.0 184.0

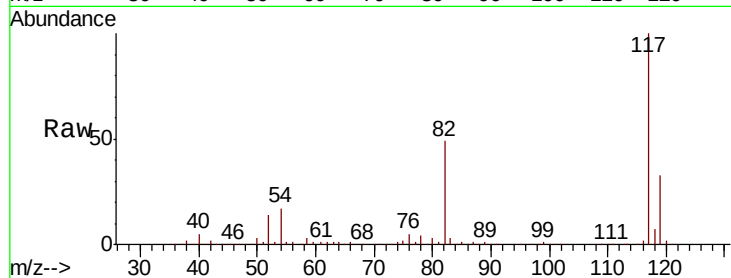




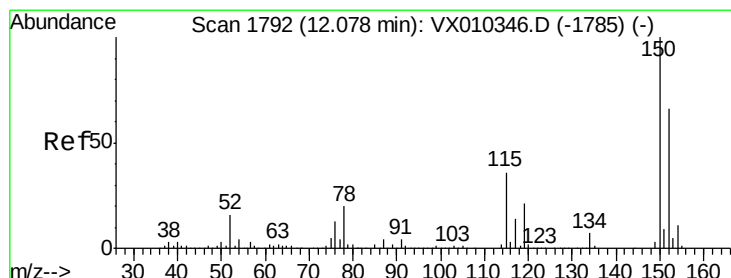
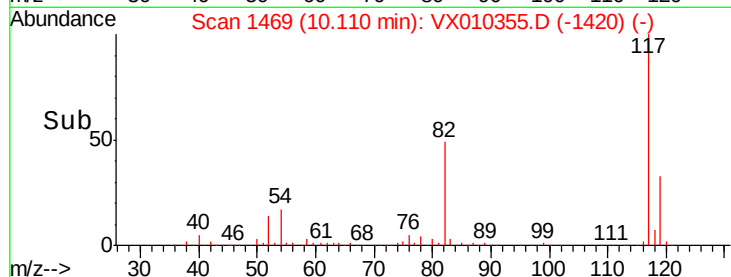
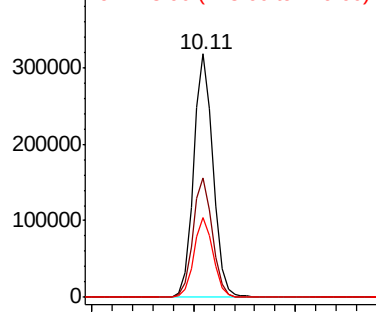
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010355.D
Acq: 20 Jun 2019 14:28

Instrument :
MSVOA_X
ClientSampleId :
TB-062019-01

Tot Ion:117 Resp: 419177
Ion Ratio Lower Upper
117 100
82 49.2 41.2 61.8
119 32.8 25.5 38.3

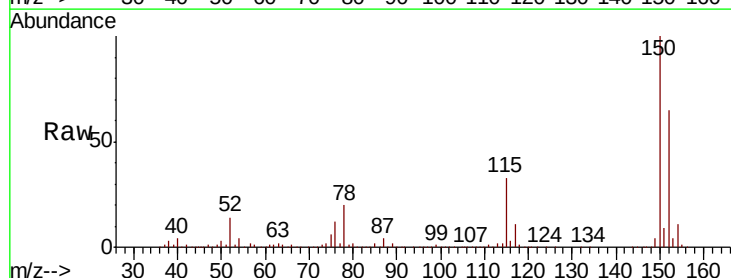


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

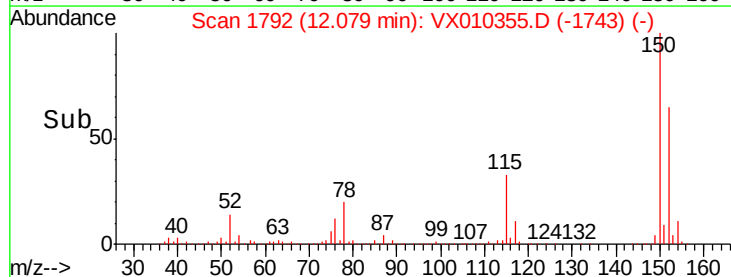
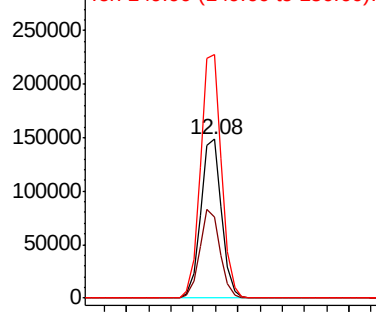


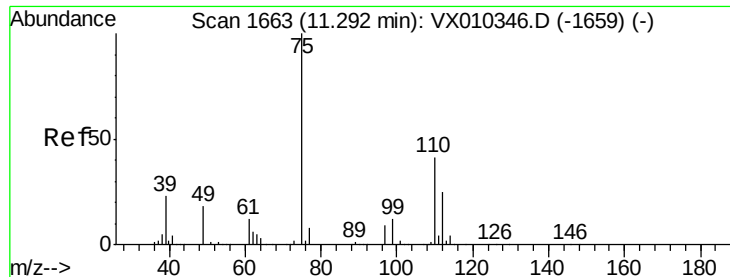
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010355.D
Acq: 20 Jun 2019 14:28

Tgt Ion:152 Resp: 189826
Ion Ratio Lower Upper
152 100
115 54.5 38.6 115.7
150 155.6 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





#76

1,2,3-Trichloropropane

Concen: 24.456 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

Instrument :

MSVOA_X

ClientSampleId :

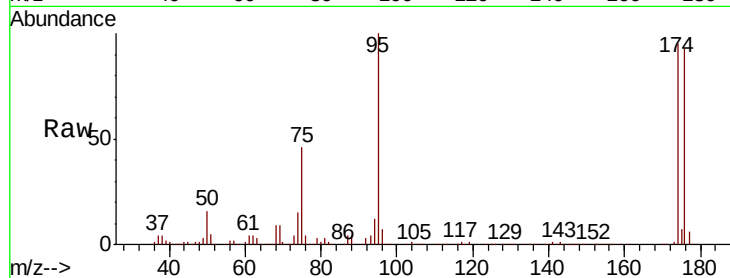
TB-062019-01

Tot Ion: 75 Resp: 84595

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

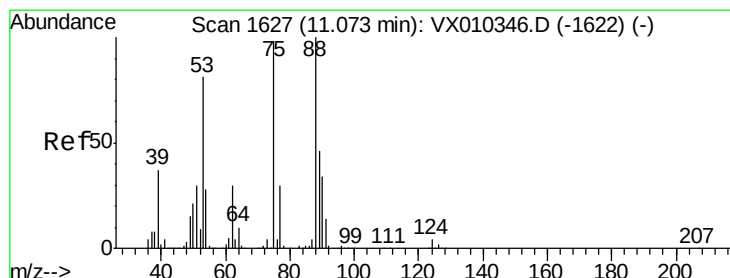
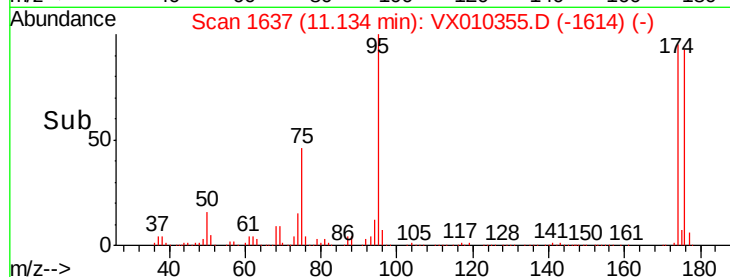
40000

20000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 57.052 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010355.D

Acq: 20 Jun 2019 14:28

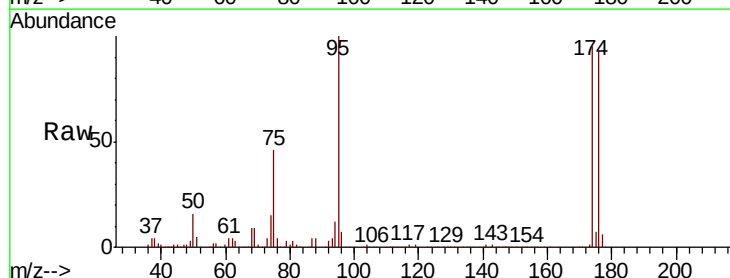
Tgt Ion: 75 Resp: 84595

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#



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

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.15 11.20

