

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010142.D
 Acq On : 08 Jun 2019 16:43
 Operator : JC/SP
 Sample : K3257-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190606

Quant Time: Jun 10 08:00:53 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	5.66	168	300436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453106	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188530	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	133408	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	5.50	113	141828	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.71	98	529478	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.13	95	183807	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

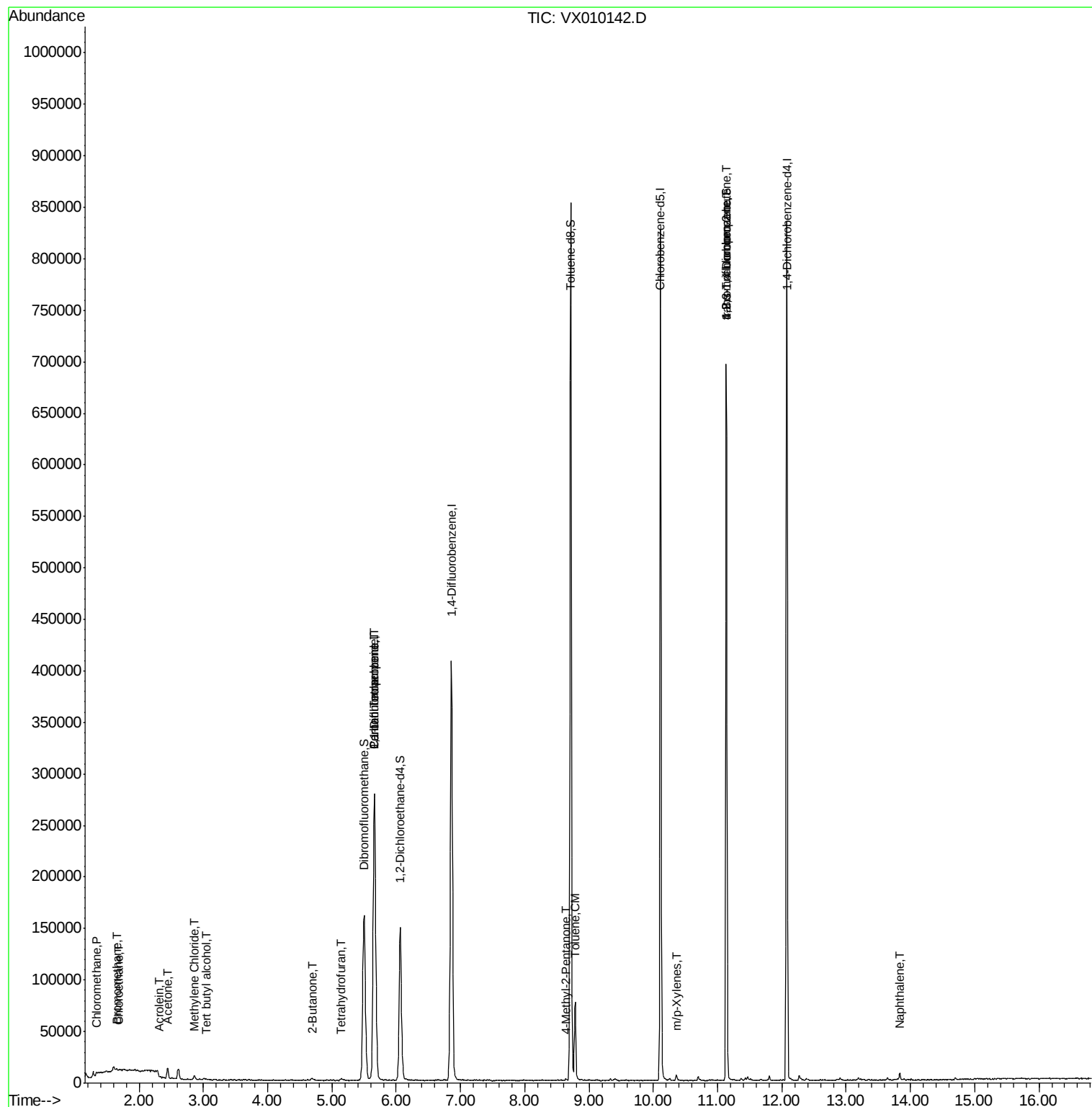
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	736	0.268	ug/l	99
5) Bromomethane	1.65	94	462	0.474	ug/l	96
6) Chloroethane	1.69	64	310	0.238	ug/l #	59
11) Tert butyl alcohol	3.04	59	1027	1.430	ug/l	98
13) Acrolein	2.32	56	125	0.954	ug/l #	14
16) Acetone	2.45	43	10527	7.632	ug/l #	86
20) Methylene Chloride	2.86	84	1980	0.654	ug/l	87
25) 2-Butanone	4.68	43	1774	0.864	ug/l #	78
29) Tetrahydrofuran	5.15	42	1206	0.934	ug/l #	9
36) 1,1-Dichloropropene	5.66	75	17661	4.778	ug/l #	52
38) Carbon Tetrachloride	5.66	117	25935	6.198	ug/l #	15
51) 4-Methyl-2-Pentanone	8.64	43	1141	0.297	ug/l #	75
52) Toluene	8.79	92	28728	3.823	ug/l	99
68) m/p-Xylenes	10.36	106	1350	0.243	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	81557	21.628	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	81557	47.785	ug/l #	10
95) Naphthalene	13.83	128	3945	0.276	ug/l	97

(#) = 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: VX010142.D

Acq: 08 Jun 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

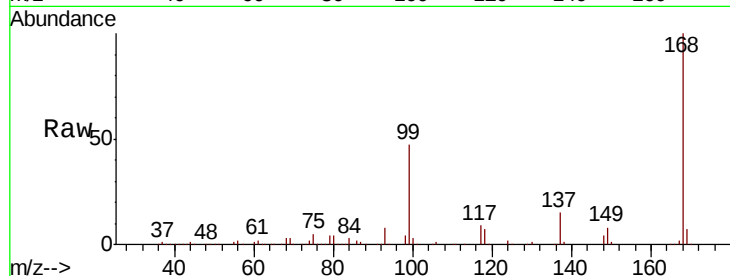
EB01-20190606

Tgt Ion:168 Resp: 300436

Ion Ratio Lower Upper

168 100

99 46.6 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

120000

100000

80000

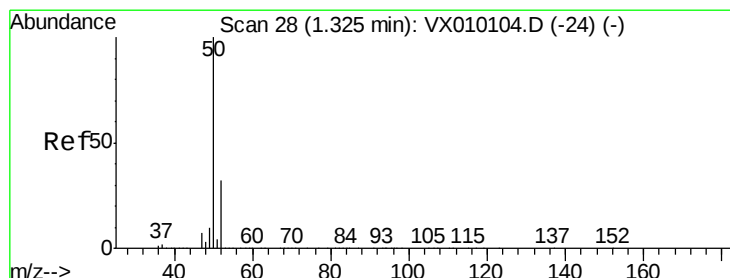
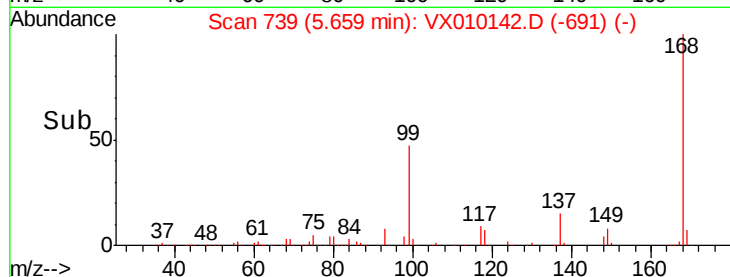
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010142.D

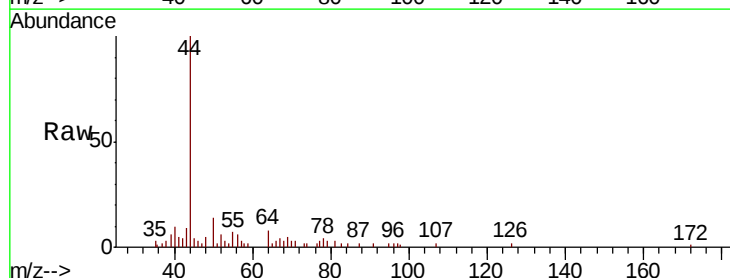
Acq: 08 Jun 2019 16:43

Tgt Ion: 50 Resp: 736

Ion Ratio Lower Upper

50 100

52 32.1 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

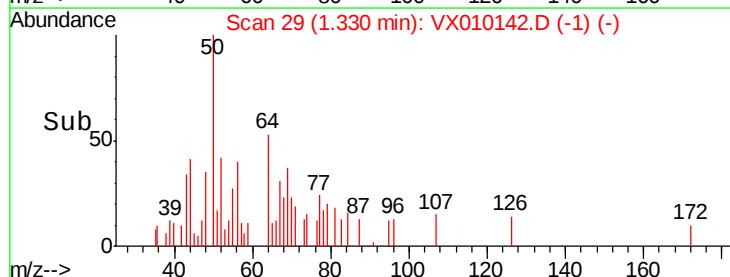
300

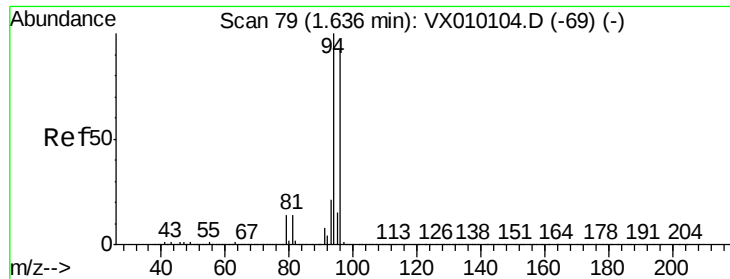
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.474 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

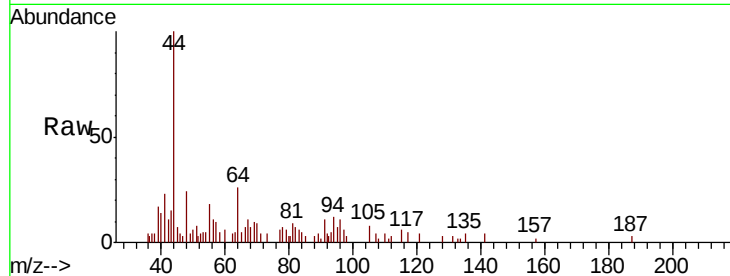
EB01-20190606

Tgt Ion: 94 Resp: 462

Ion Ratio Lower Upper

94 100

96 91.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

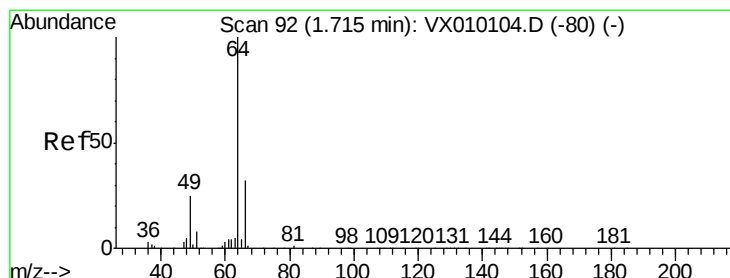
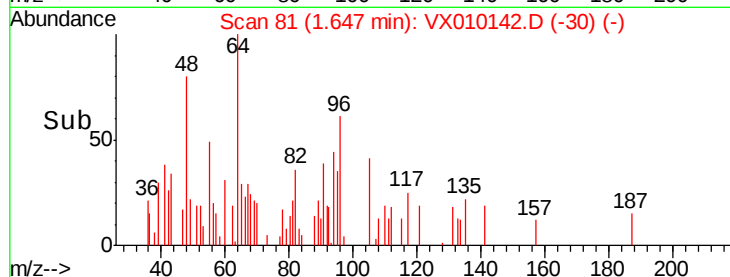
150

100

50

0

Time-->



#6

Chloroethane

Concen: 0.238 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010142.D

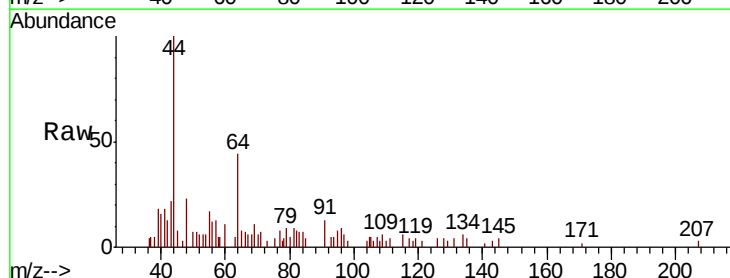
Acq: 08 Jun 2019 16:43

Tgt Ion: 64 Resp: 310

Ion Ratio Lower Upper

64 100

66 8.8 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

1000

800

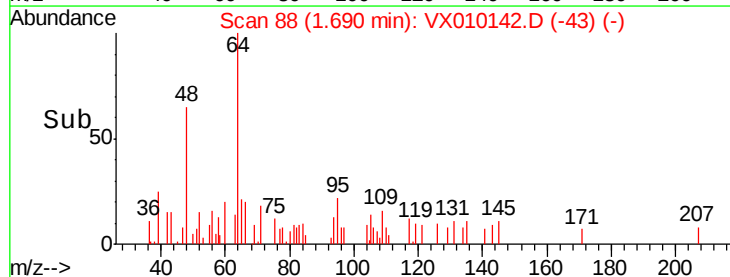
600

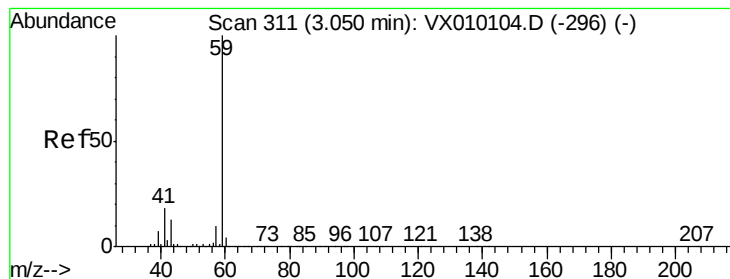
400

200

0

Time-->



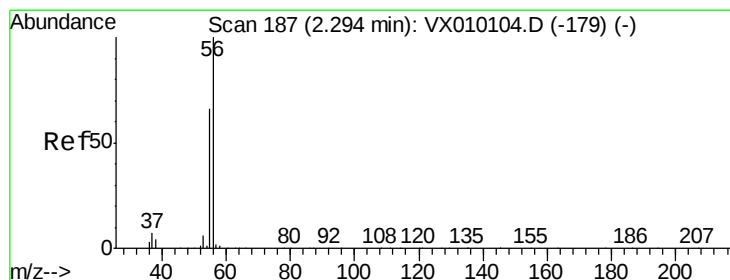
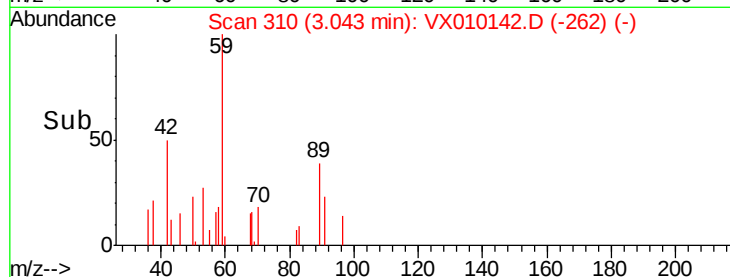
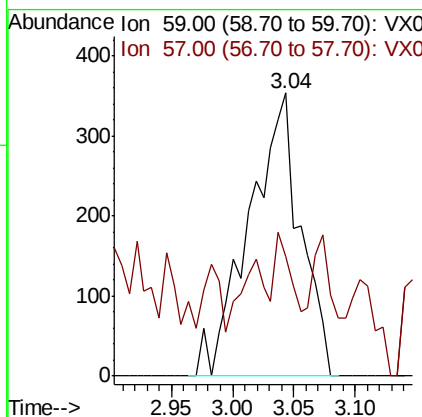
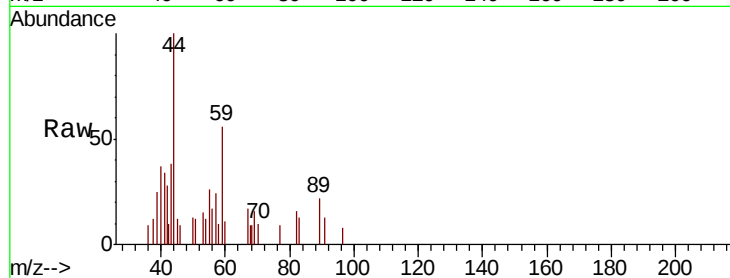


#11

Tert butyl alcohol
 Concen: 1.430 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190606

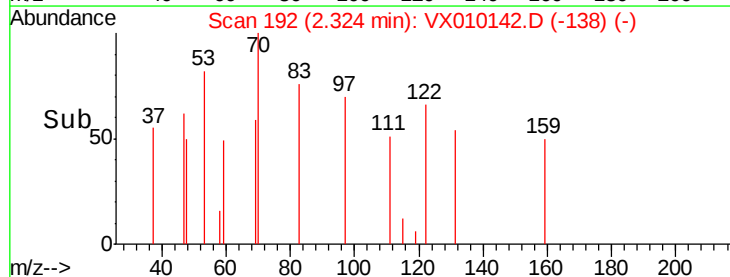
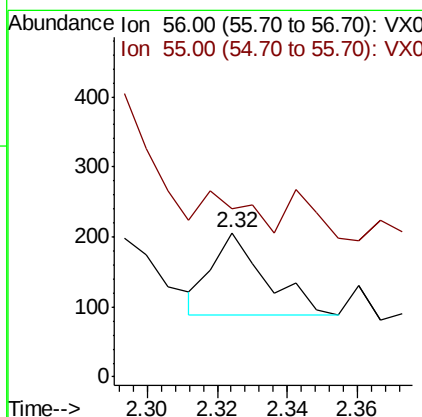
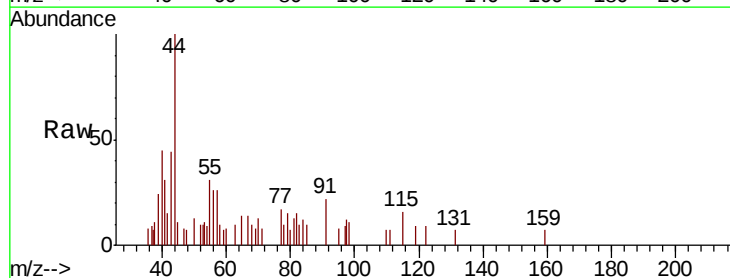
Tgt Ion: 59 Resp: 1027
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.2 12.2

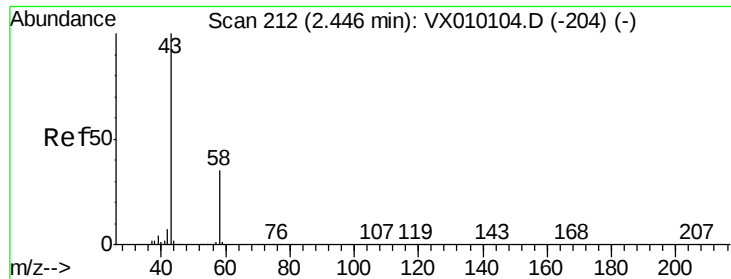


#13

Acrolein
 Concen: 0.954 ug/l
 RT: 2.32 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

Tgt Ion: 56 Resp: 125
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#

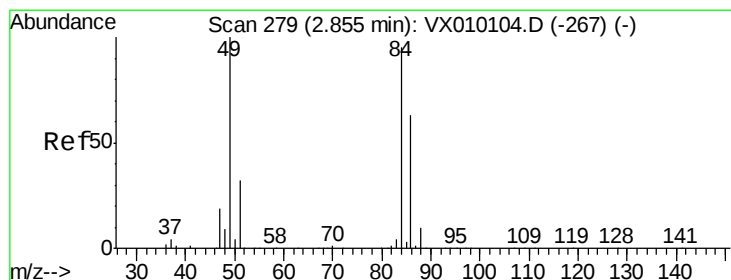
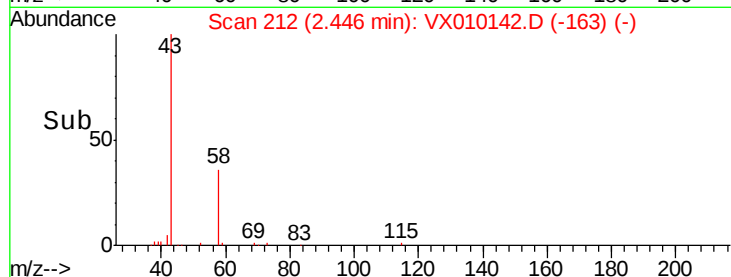
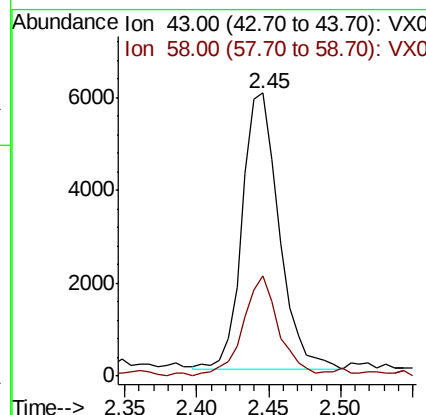
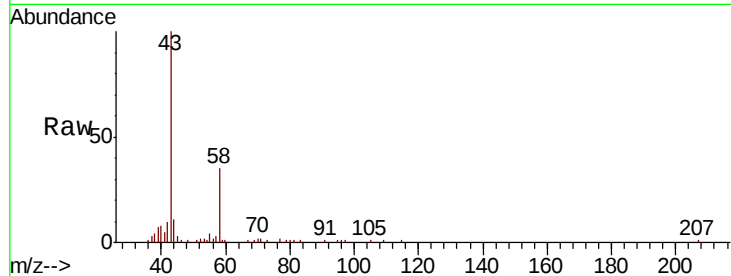




#16
Acetone
Concen: 7.632 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

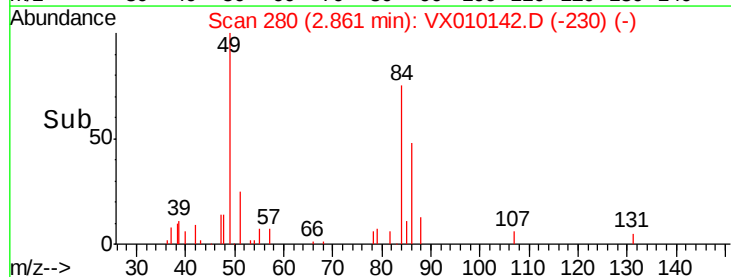
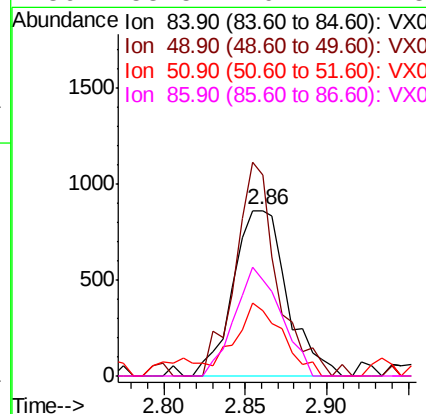
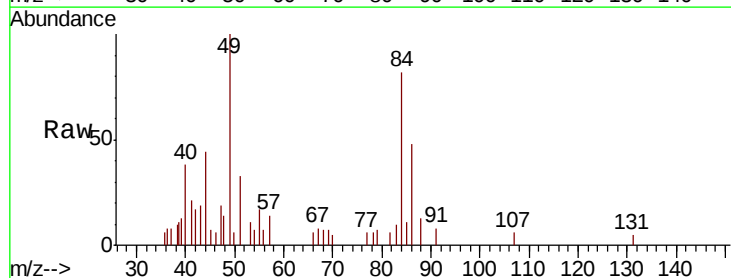
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190606

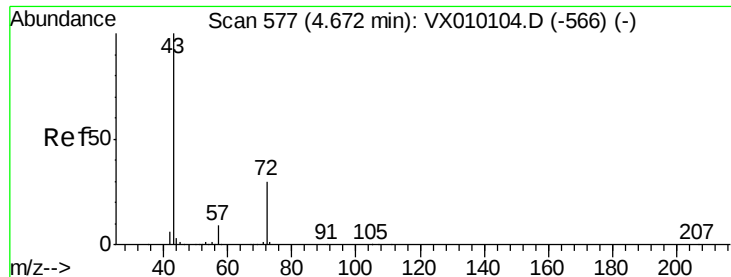
Tgt Ion: 43 Resp: 10527
Ion Ratio Lower Upper
43 100
58 36.2 23.2 34.8#



#20
Methylene Chloride
Concen: 0.654 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

Tgt Ion: 84 Resp: 1980
Ion Ratio Lower Upper
84 100
49 121.9 115.8 173.6
51 39.7 34.4 51.6
86 58.5 49.7 74.5





#25

2-Butanone

Concen: 0.864 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

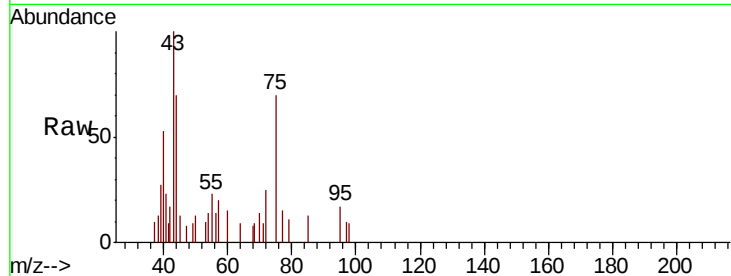
EB01-20190606

Tgt Ion: 43 Resp: 1774

Ion Ratio Lower Upper

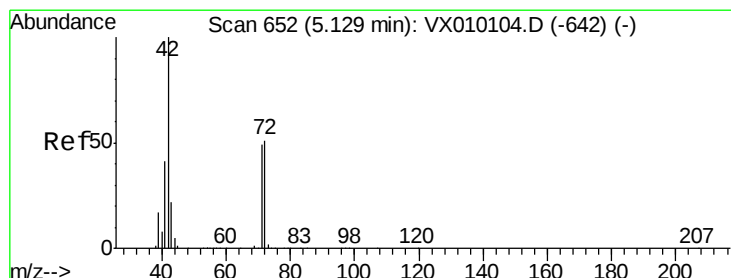
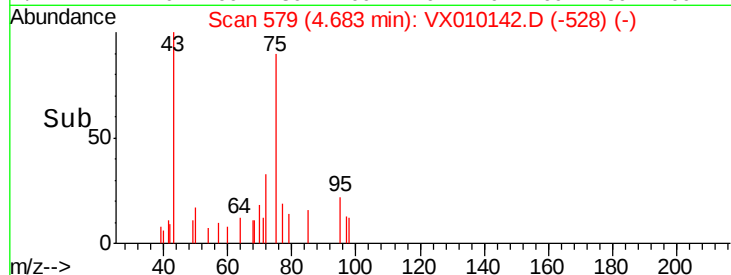
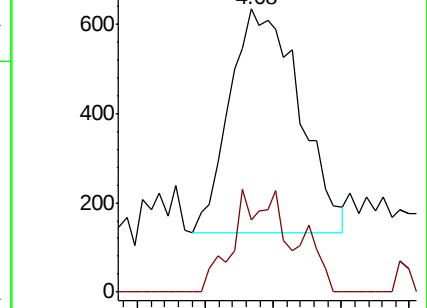
43 100

72 32.3 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.934 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

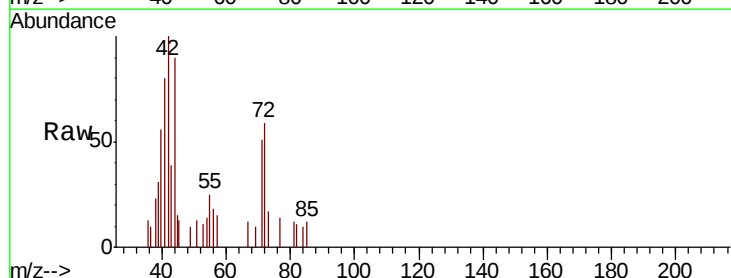
Tgt Ion: 42 Resp: 1206

Ion Ratio Lower Upper

42 100

72 77.0 29.2 43.8#

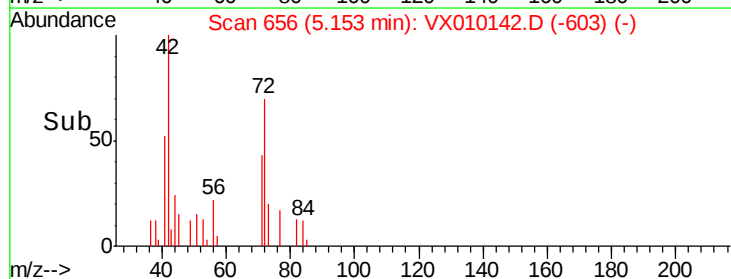
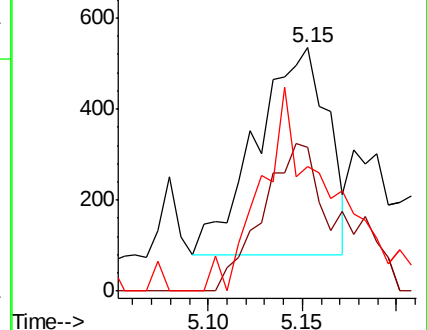
71 100.3 27.6 41.4#

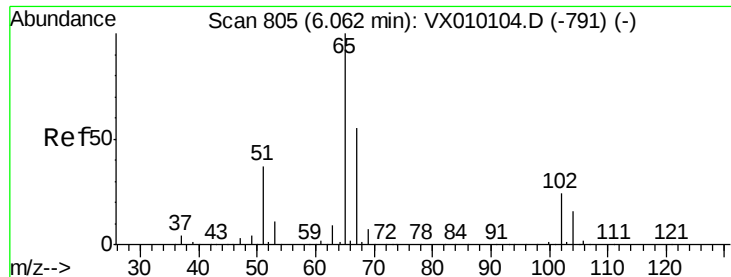


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

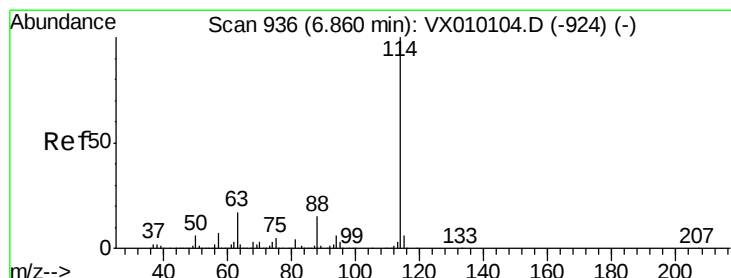
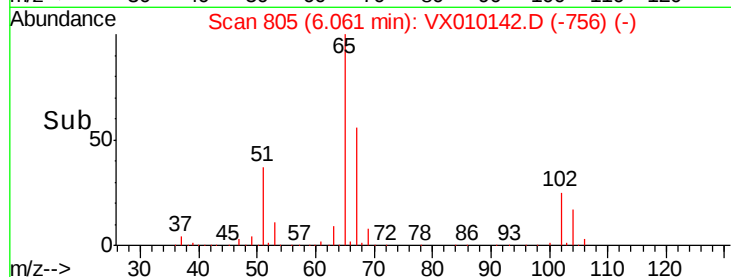
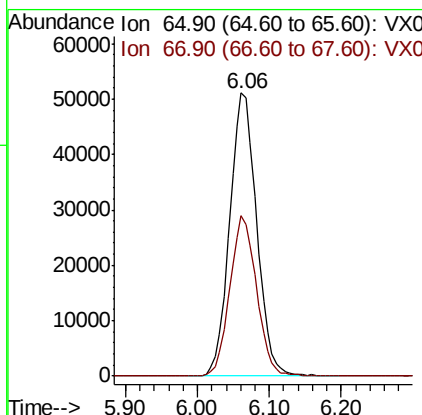
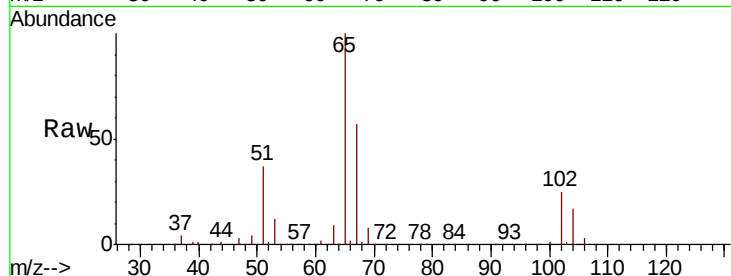




#33
 1,2-Dichloroethane-d4
 Concen: 45.491 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

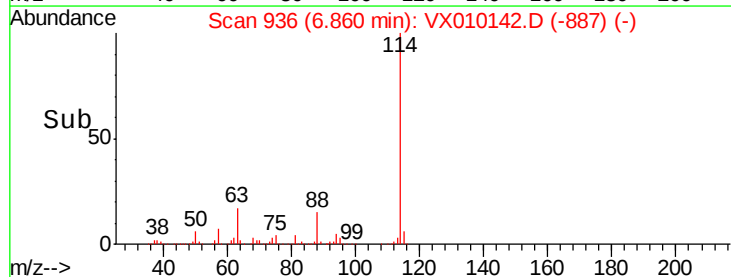
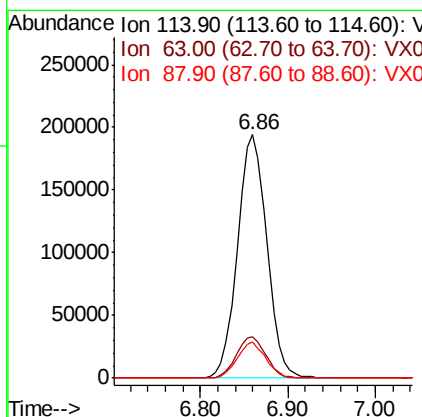
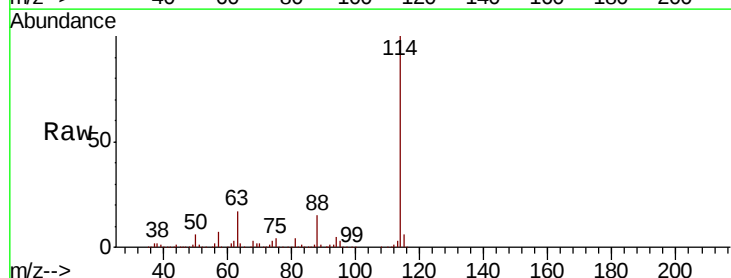
Instrument :
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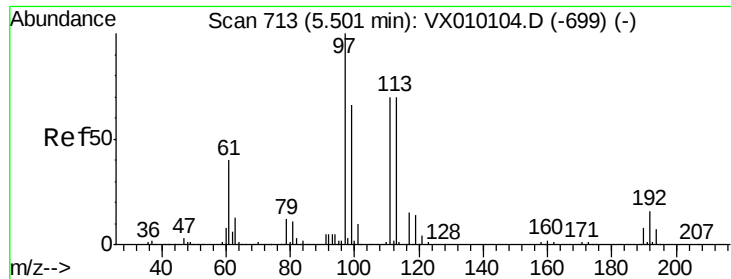
Tgt Ion: 65 Resp: 133408
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

Tgt Ion: 114 Resp: 453106
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 47.4
 88 14.9 0.0 33.0

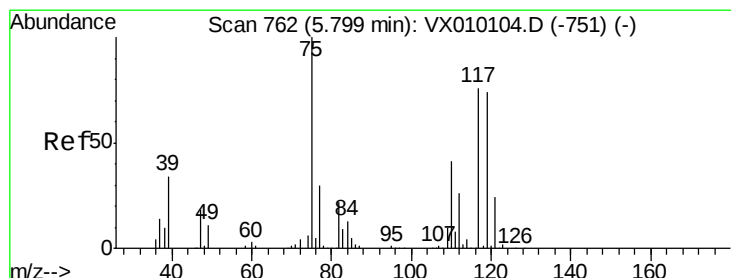
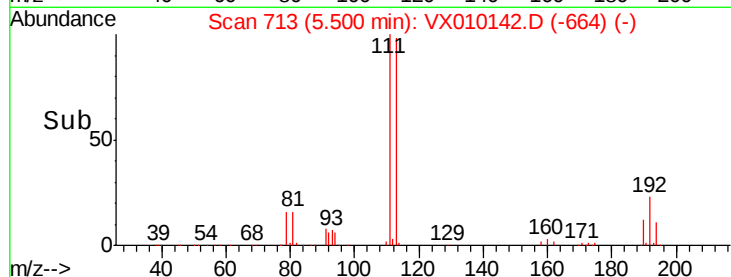
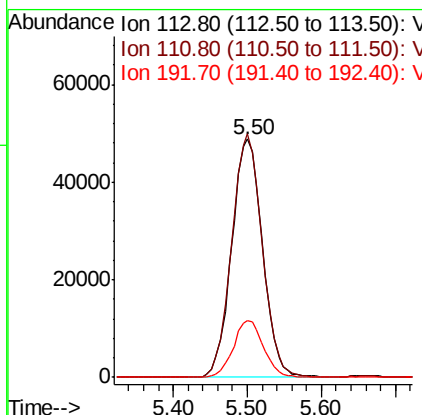
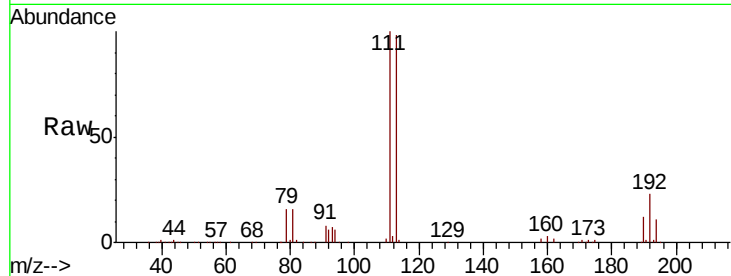




#35
Dibromofluoromethane
Concen: 50.746 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

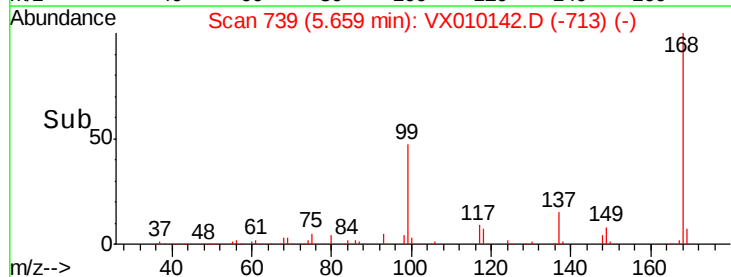
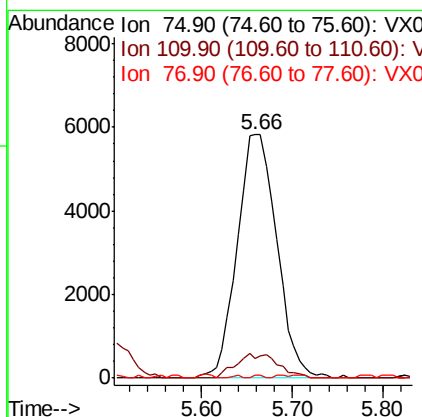
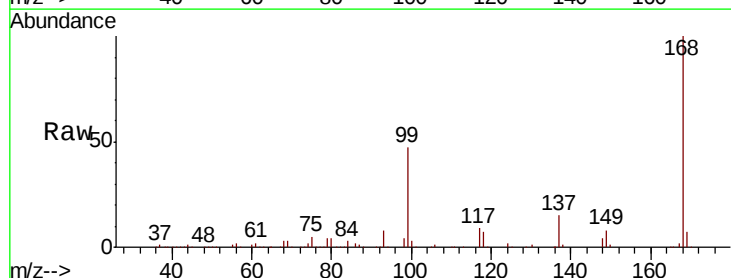
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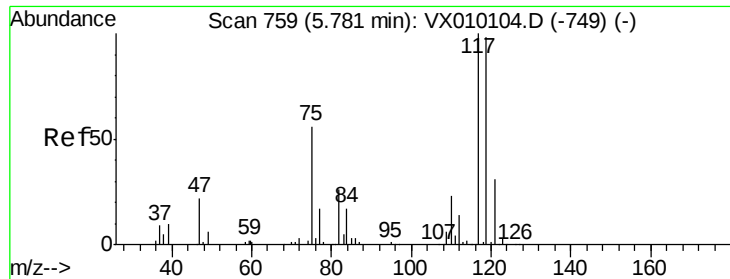
Tgt Ion:113 Resp: 141828
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.2
192 23.2 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

Tgt Ion: 75 Resp: 17661
Ion Ratio Lower Upper
75 100
110 10.6 16.7 50.1#
77 0.3 25.0 37.4#

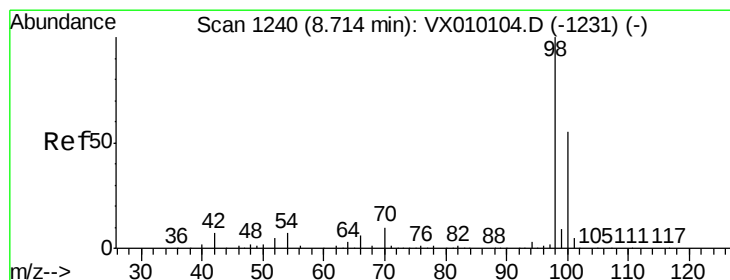
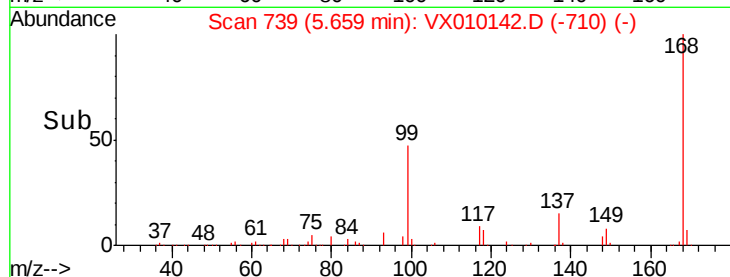
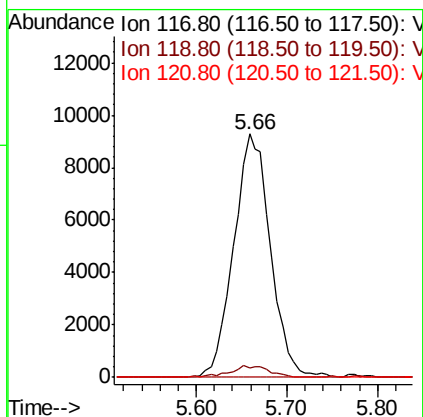
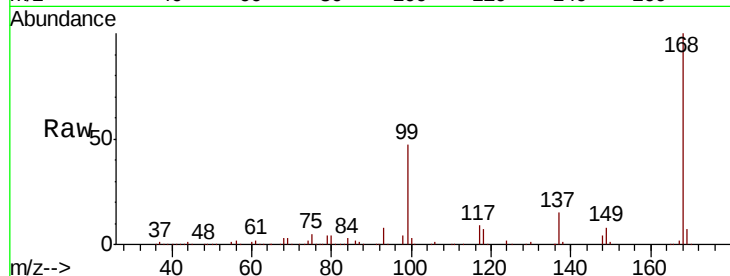




#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

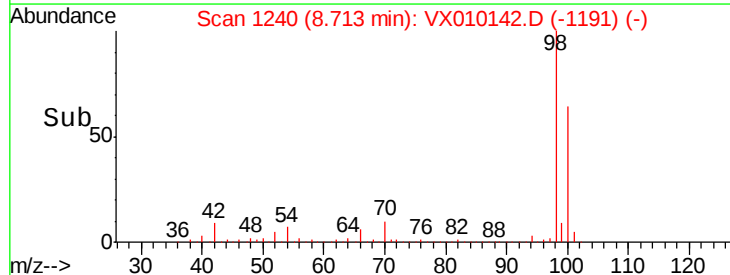
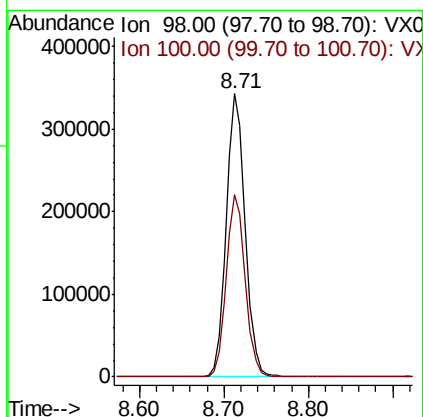
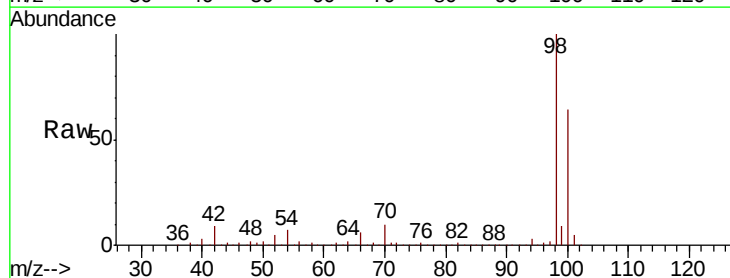
Instrument :
MSVOA_X
ClientSampleId :
EB01-20190606

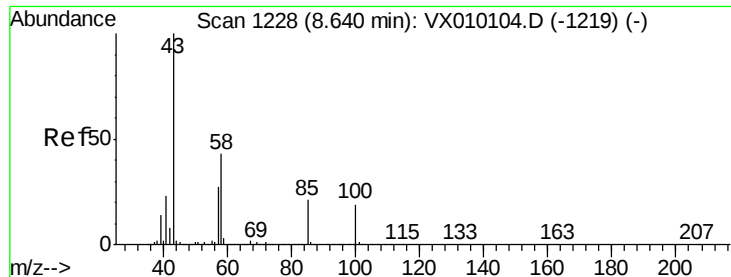
Tgt Ion:117 Resp: 25935
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.548 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

Tgt Ion: 98 Resp: 529478
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

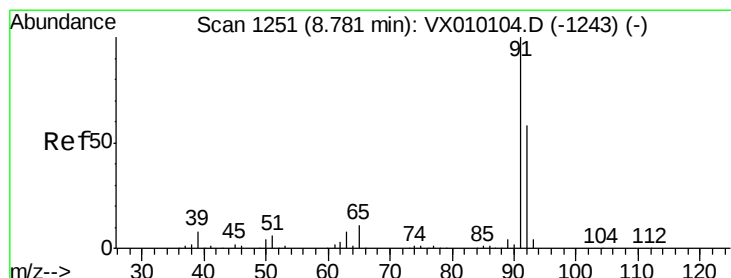
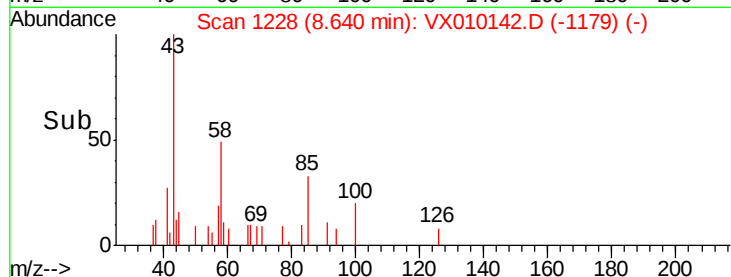
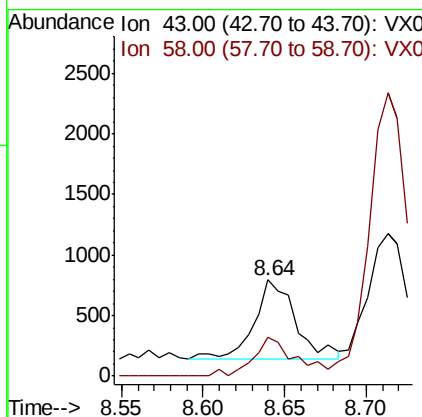
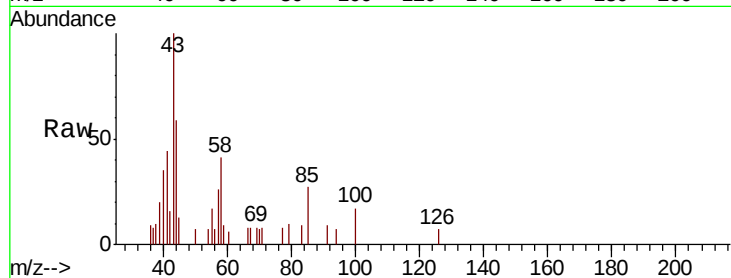




#51
 4-Methyl-2-Pentanone
 Concen: 0.297 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

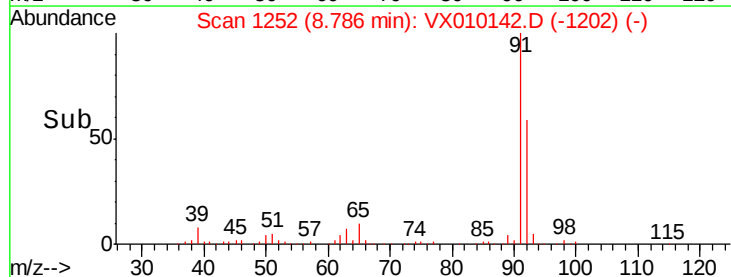
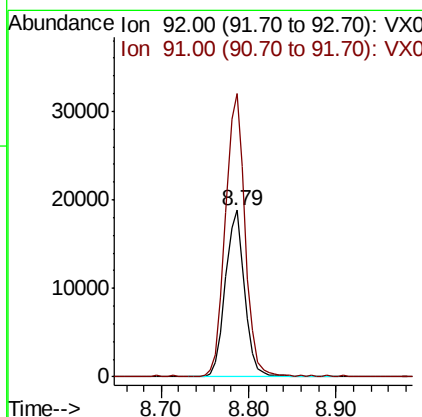
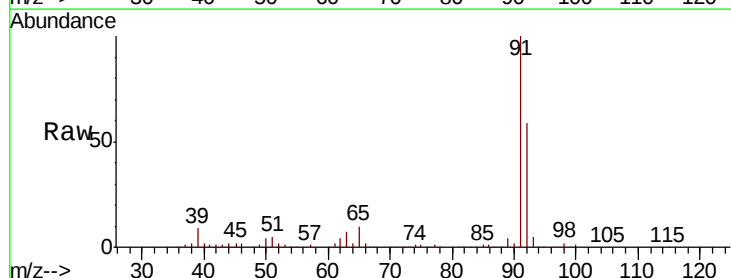
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190606

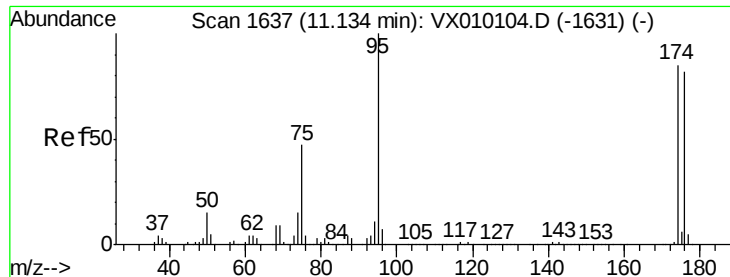
Tgt Ion: 43 Resp: 1141
 Ion Ratio Lower Upper
 43 100
 58 50.6 28.8 43.2#



#52
 Toluene
 Concen: 3.823 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

Tgt Ion: 92 Resp: 28728
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 46.987 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190606

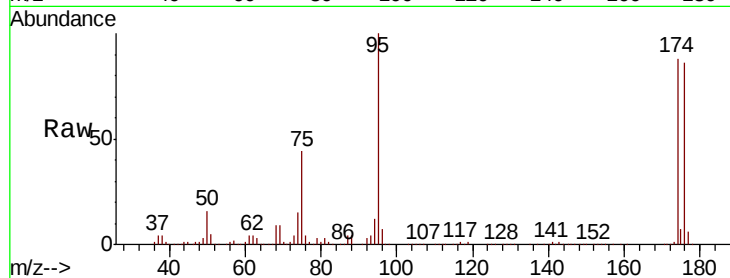
Tgt Ion: 95 Resp: 183807

Ion Ratio Lower Upper

95 100

174 93.1 0.0 160.4

176 91.2 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)

11.13

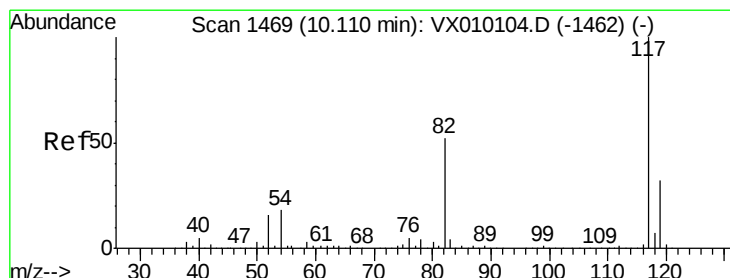
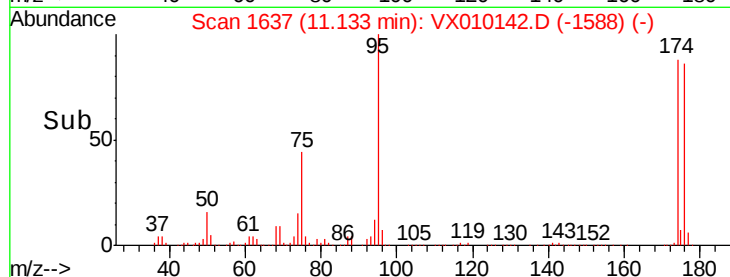
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

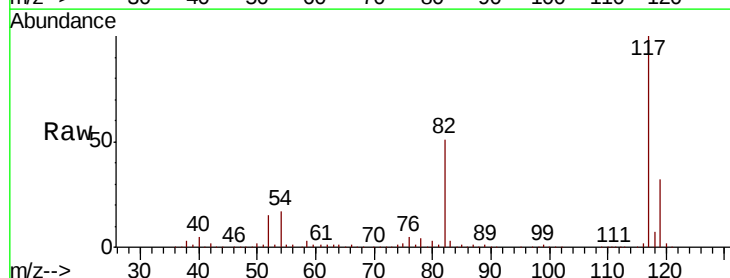
Tgt Ion: 117 Resp: 408395

Ion Ratio Lower Upper

117 100

82 50.6 49.2 73.8

119 31.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

10.11

400000

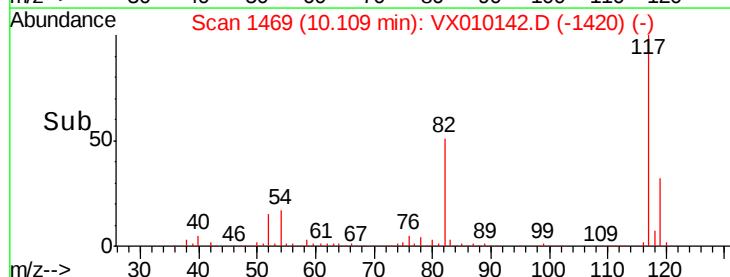
300000

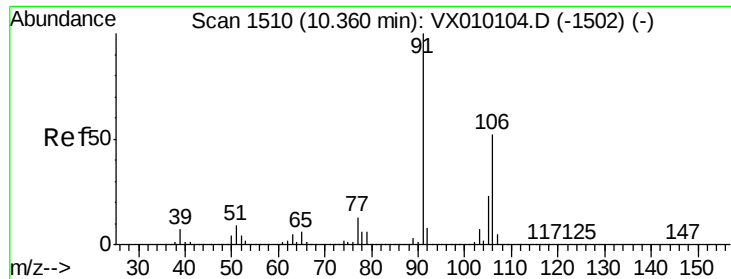
200000

100000

0

Time-->

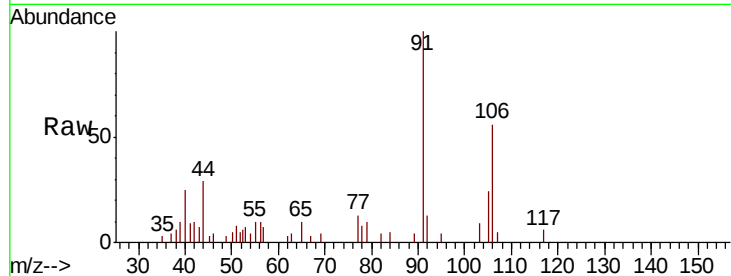




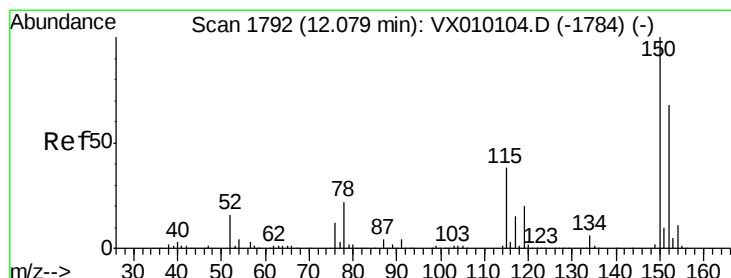
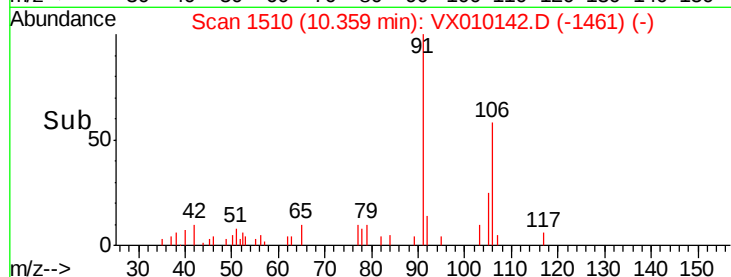
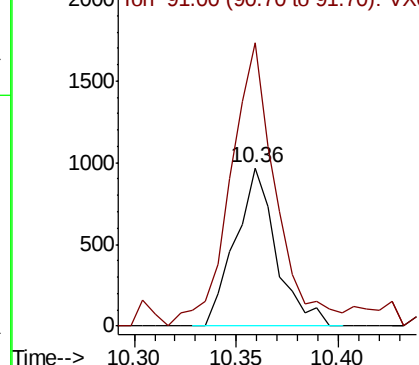
#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

Instrument :
MSVOA_X
ClientSampleId :
EB01-20190606

Tgt Ion:106 Resp: 1350
Ion Ratio Lower Upper
106 100
91 198.2 167.3 250.9

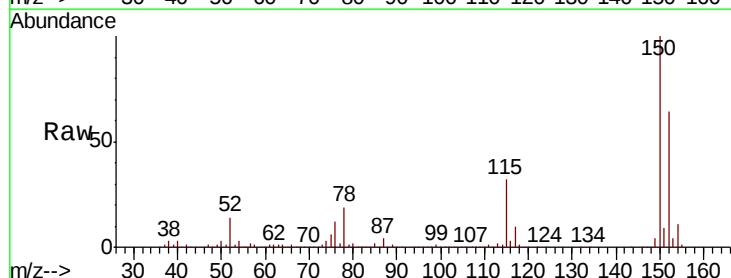


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

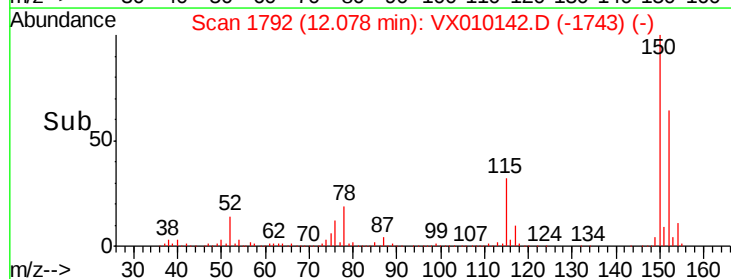
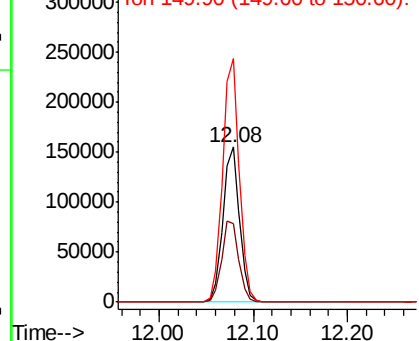


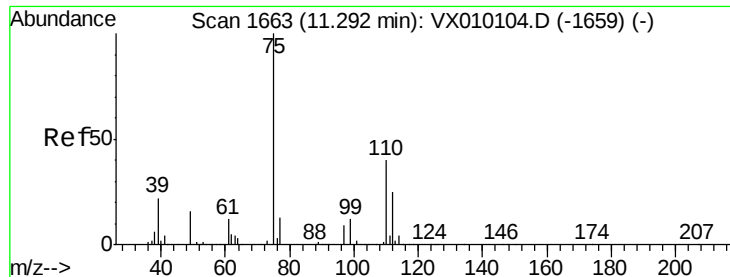
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010142.D
Acq: 08 Jun 2019 16:43

Tgt Ion:152 Resp: 188530
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 157.8 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

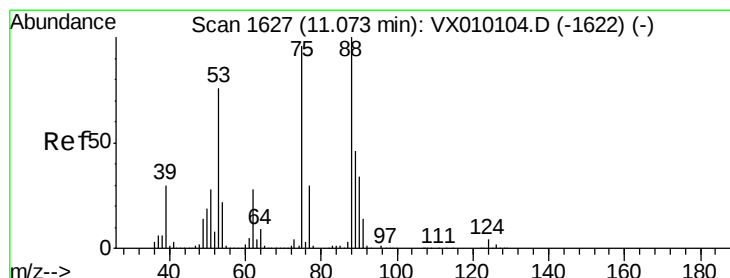
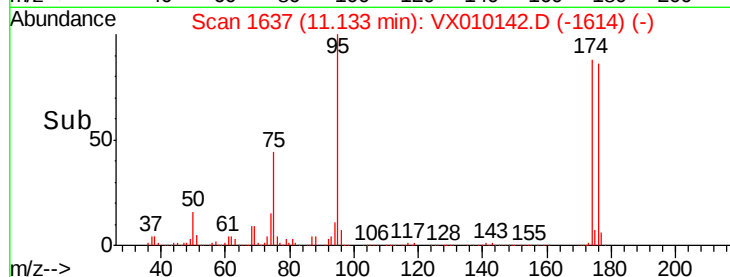
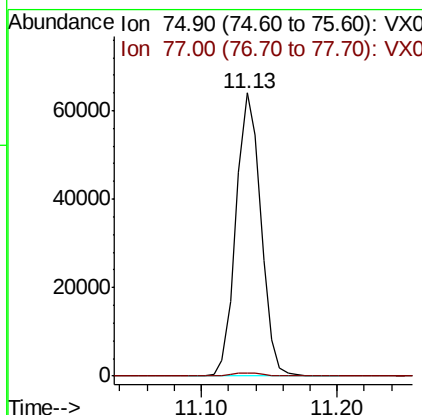
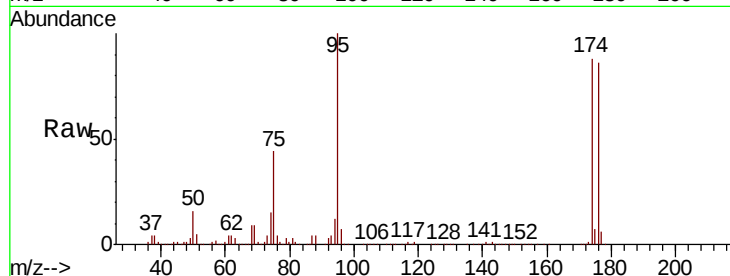




#76
 1,2,3-Trichloropropane
 Concen: 21.628 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

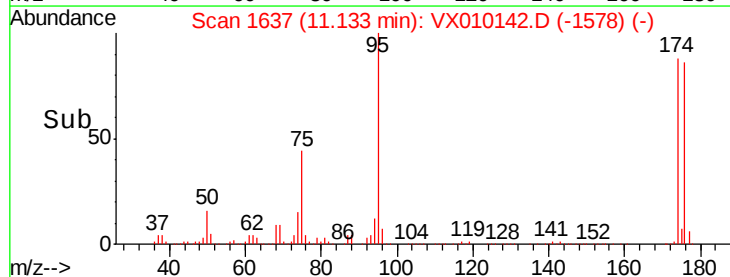
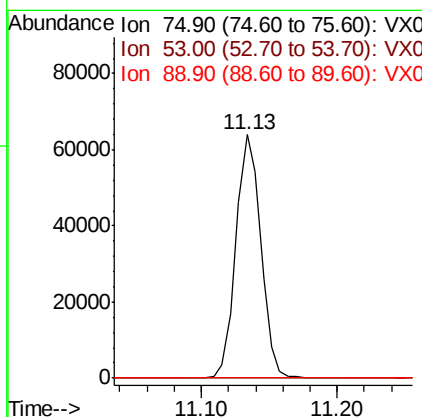
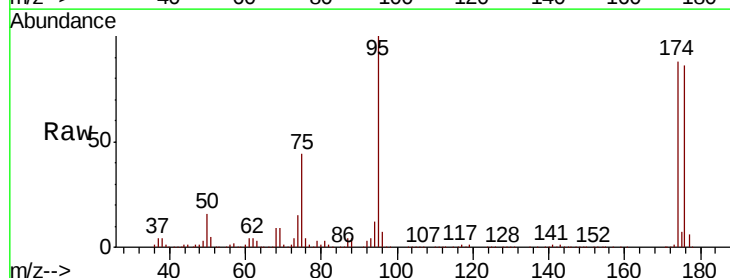
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-20190606

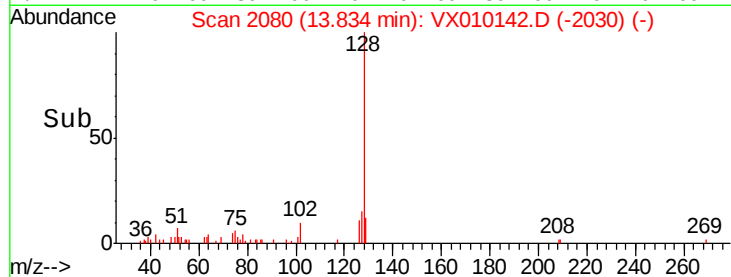
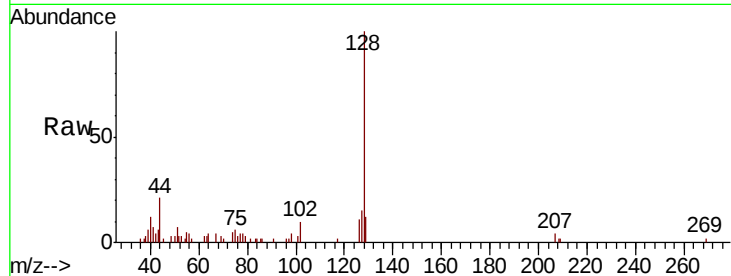
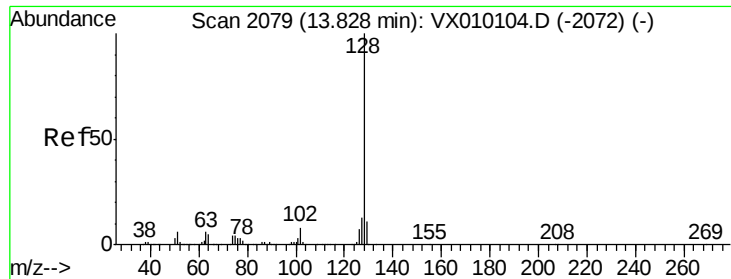
Tgt Ion: 75 Resp: 81557
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.785 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010142.D
 Acq: 08 Jun 2019 16:43

Tgt Ion: 75 Resp: 81557
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 0.276 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010142.D

Acq: 08 Jun 2019 16:43

Instrument :

MSVOA_X

ClientSampleId :

EB01-20190606

Tgt Ion:128 Resp: 3945

Ion Ratio Lower Upper

128 100

127 14.8 10.6 16.0

129 11.6 8.8 13.2

