

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061219\
 Data File : VX010240.D
 Acq On : 12 Jun 2019 10:27
 Operator : JC/SP
 Sample : VX0612WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:24:28 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	332123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	507415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	450083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211583	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	157438	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	5.49	113	164384	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	8.71	98	624402	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.13	95	214279	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

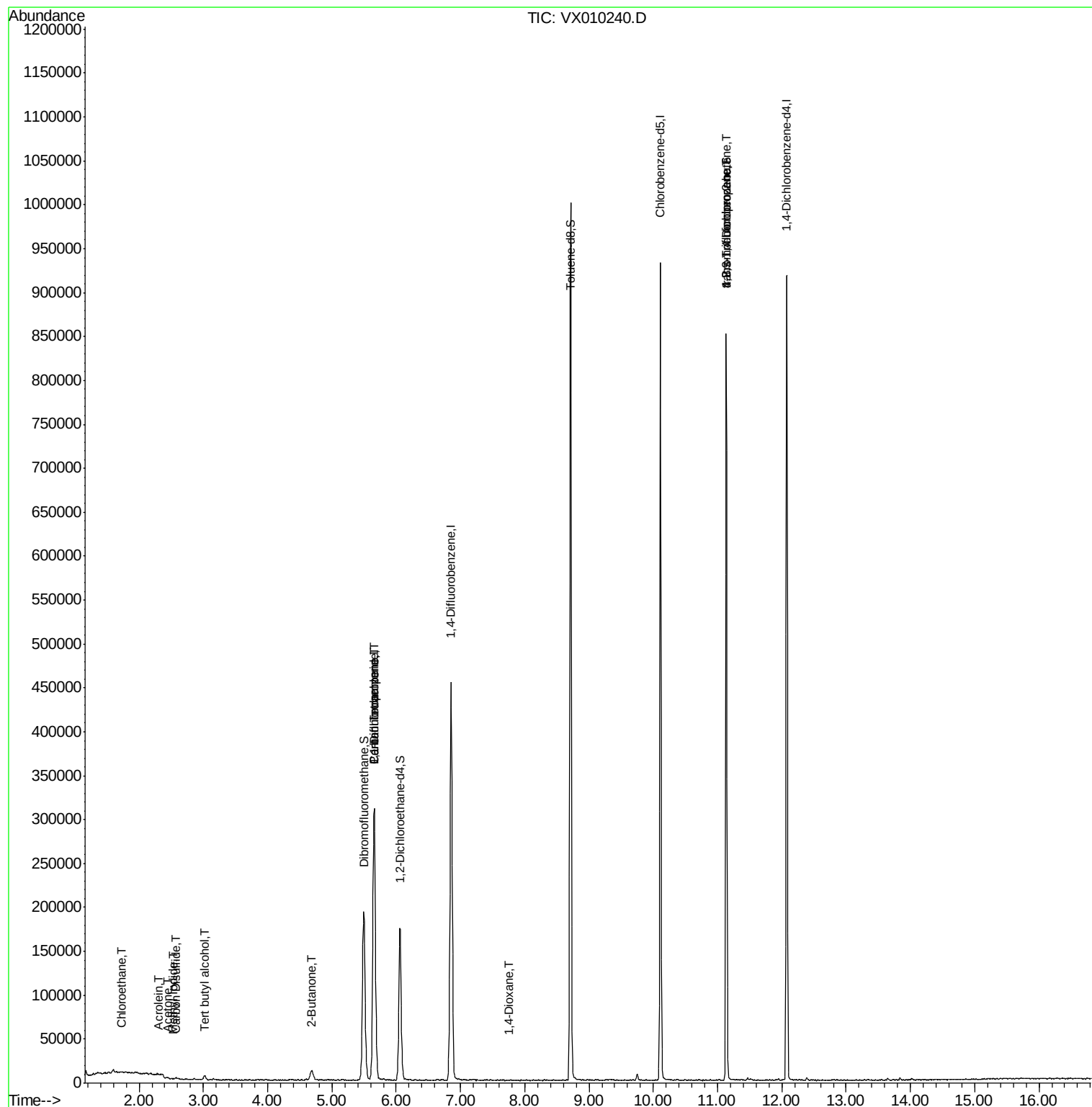
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	546	0.380	ug/l #	43
10) Methyl Iodide	2.52	142	974	0.215	ug/l #	90
11) Tert butyl alcohol	3.01	59	2880	3.626	ug/l #	77
13) Acrolein	2.29	56	193	1.333	ug/l	86
16) Acetone	2.44	43	460	0.302	ug/l #	41
17) Carbon Disulfide	2.57	76	1741	0.202	ug/l	97
25) 2-Butanone	4.68	43	725	0.319	ug/l #	65
36) 1,1-Dichloropropene	5.65	75	19796	4.782	ug/l #	52
38) Carbon Tetrachloride	5.65	117	29256	6.244	ug/l #	15
49) 1,4-Dioxane	7.76	88	37	0.385	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	98142	23.190	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	98142	51.237	ug/l #	10

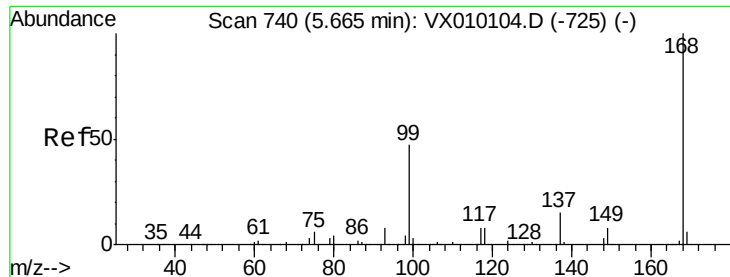
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
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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: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

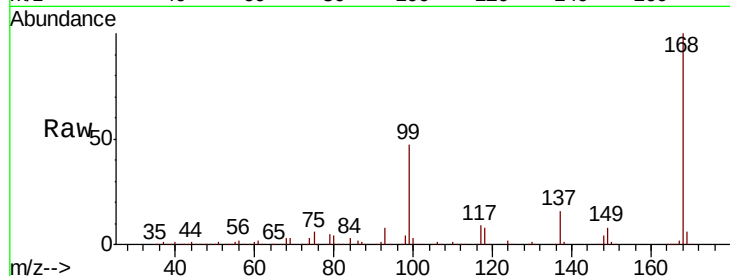
ClientSampleId :

Tot Ion:168 Resp: 332123

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

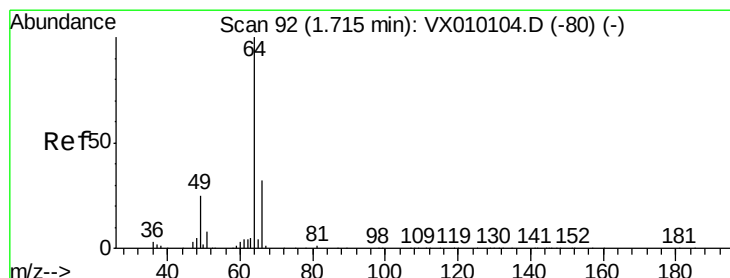
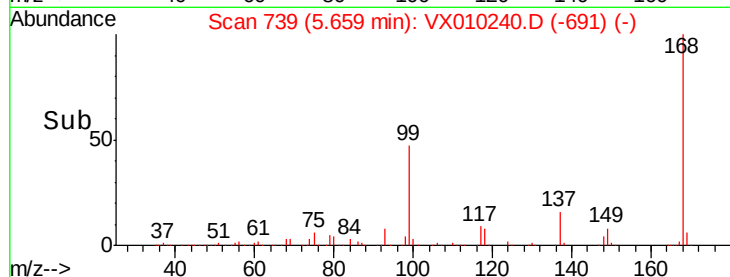
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.380 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010240.D

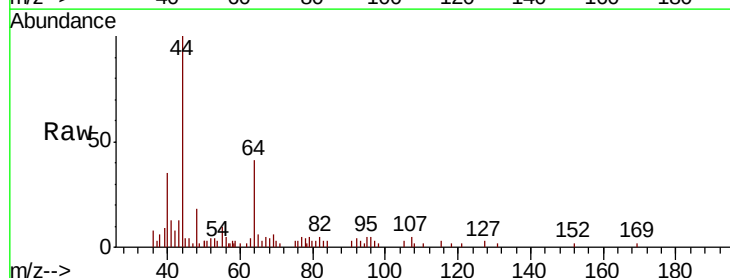
Acq: 12 Jun 2019 10:27

Tgt Ion: 64 Resp: 546

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

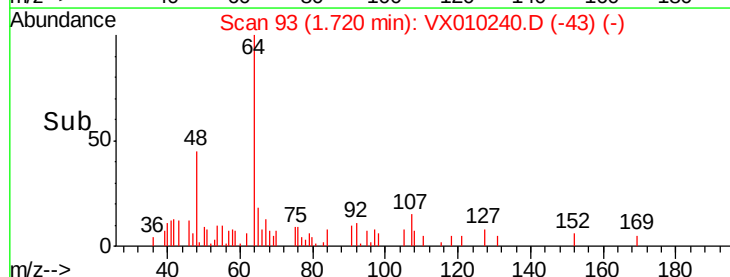
1.72

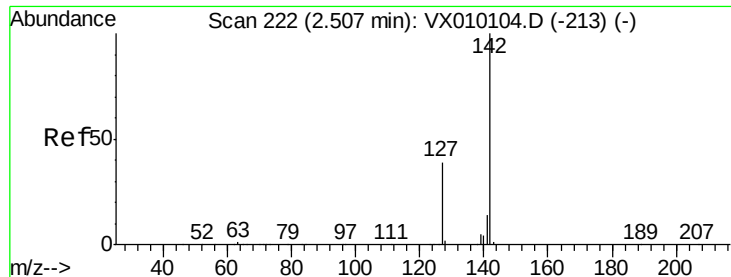
1000

500

0

Time--> 1.70 1.72 1.74 1.76

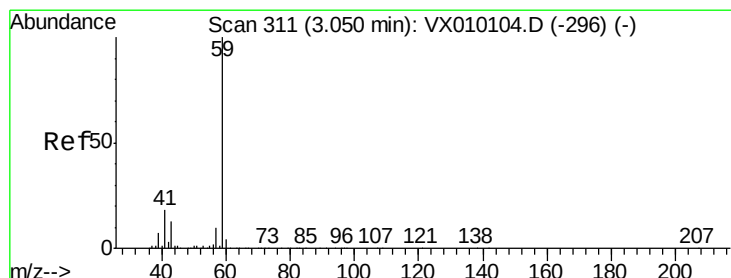
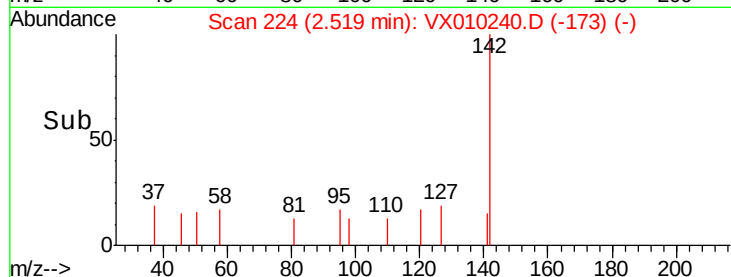
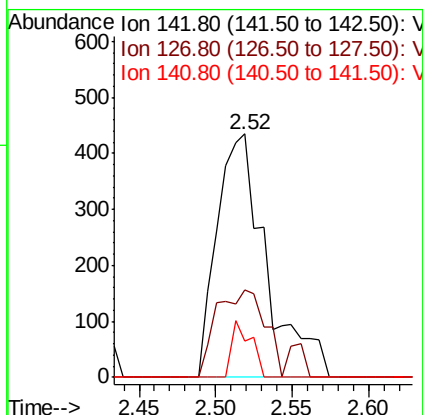
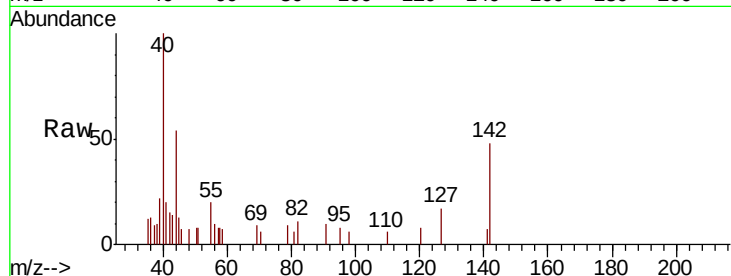




#10
Methvl Iodide
Concen: 0.215 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010240.D
Acq: 12 Jun 2019 10:27

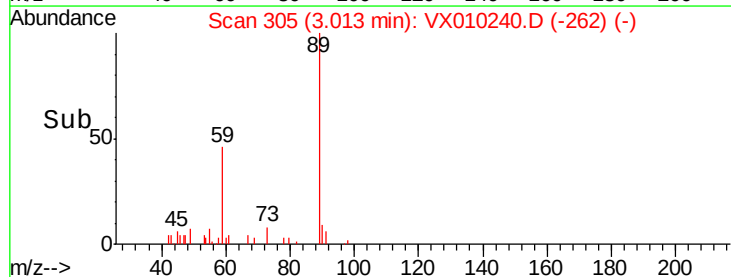
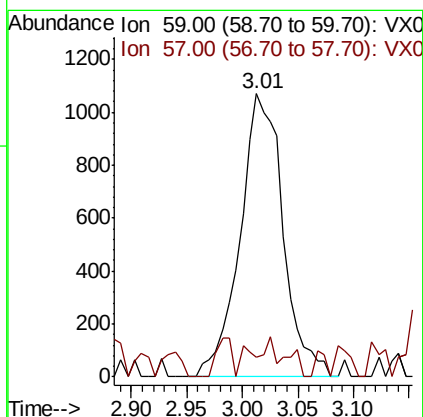
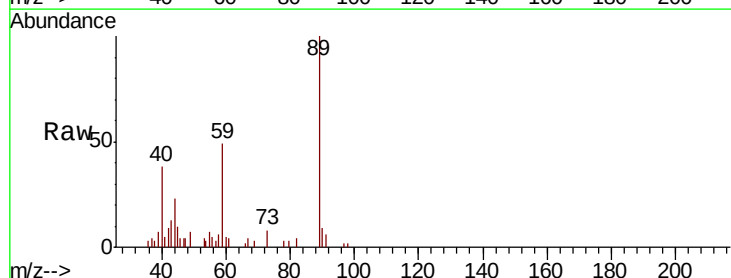
Instrument :
MSVOA_X
ClientSampleId :

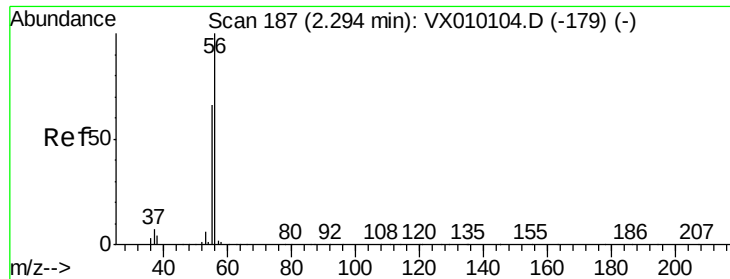
Tot Ion:142 Resp: 974
Ion Ratio Lower Upper
142 100
127 35.6 33.0 49.4
141 8.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.626 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010240.D
Acq: 12 Jun 2019 10:27

Tgt Ion: 59 Resp: 2880
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#





#13

Acrolein

Concen: 1.333 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

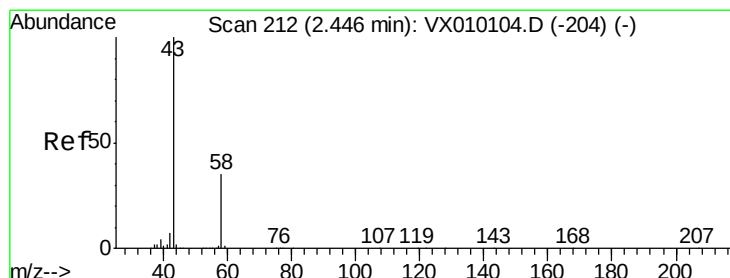
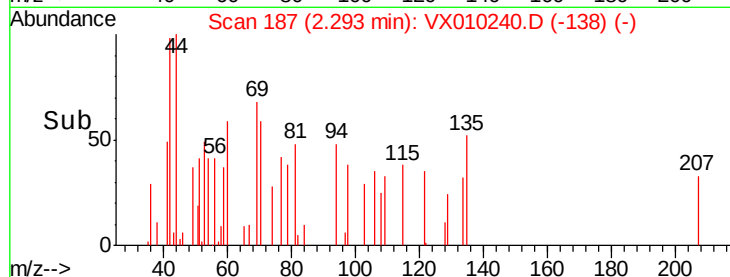
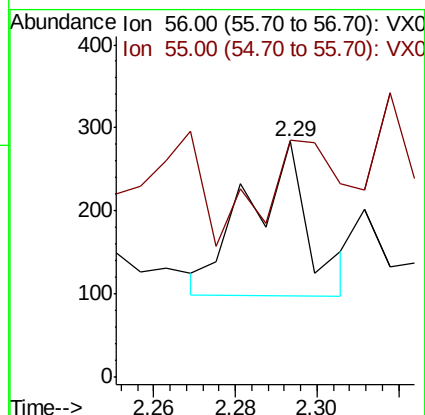
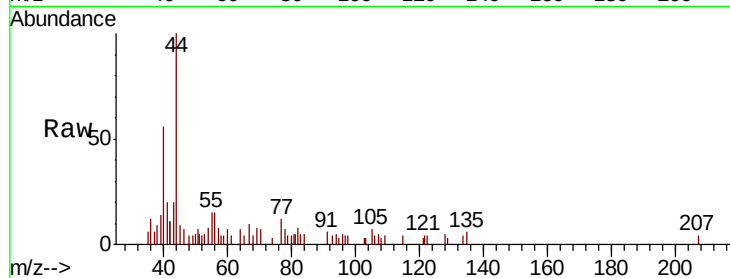
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 59.6 57.0 85.4



#16

Acetone

Concen: 0.302 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010240.D

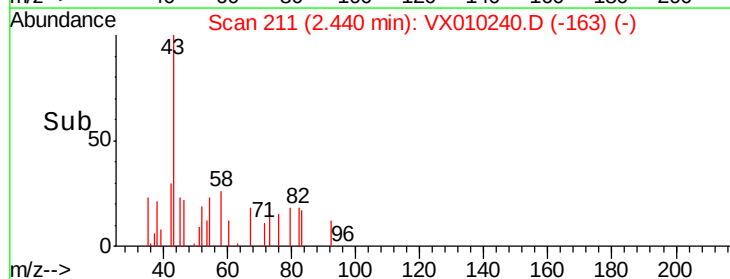
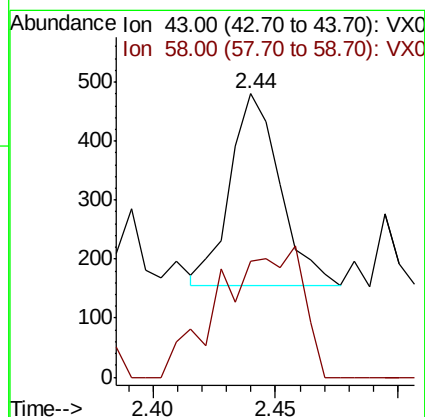
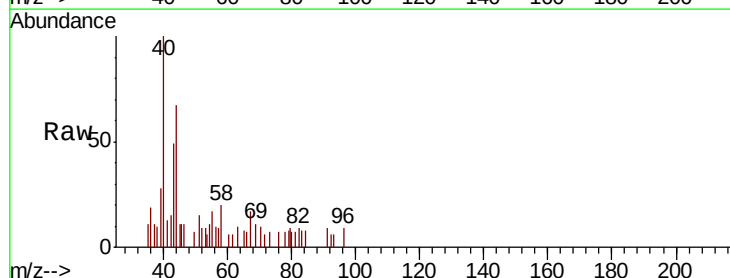
Acq: 12 Jun 2019 10:27

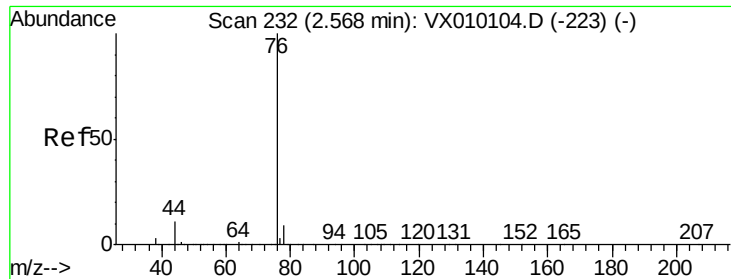
Tgt Ion: 43 Resp: 460

Ion Ratio Lower Upper

43 100

58 60.3 23.2 34.8#





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

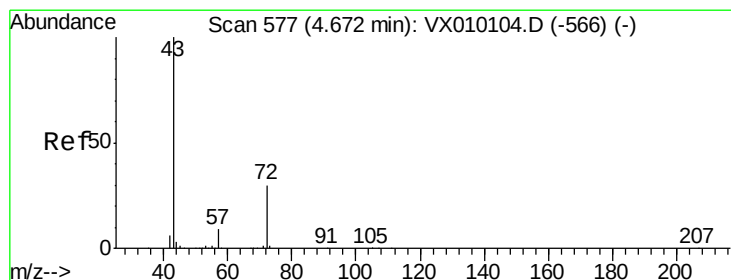
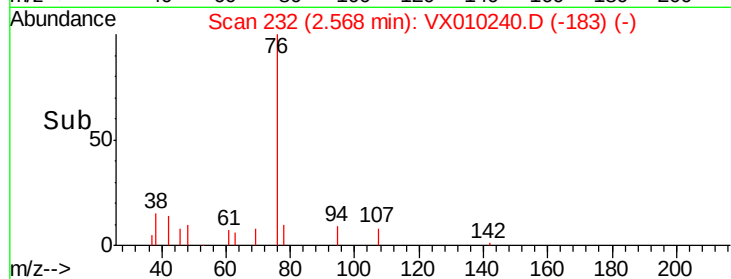
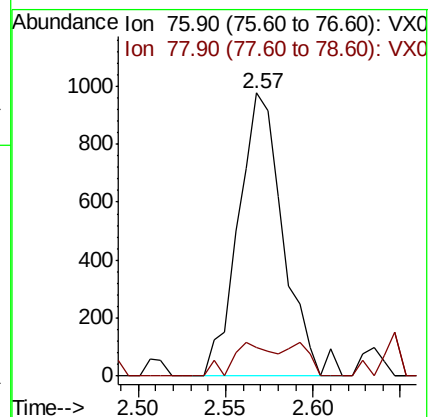
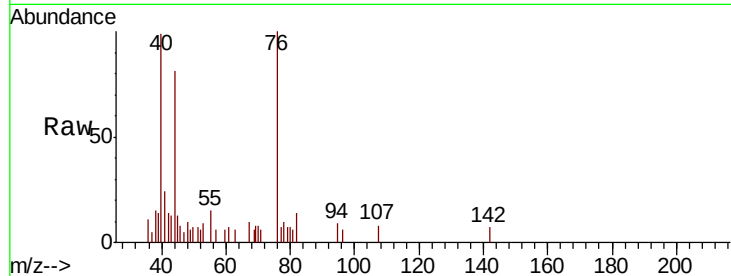
ClientSampled :

Tot Ion: 76 Resp: 1741

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.6



#25

2-Butanone

Concen: 0.319 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010240.D

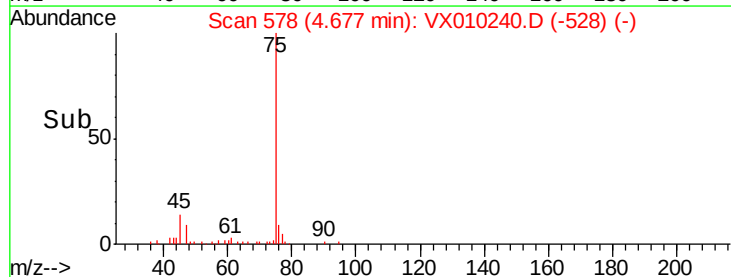
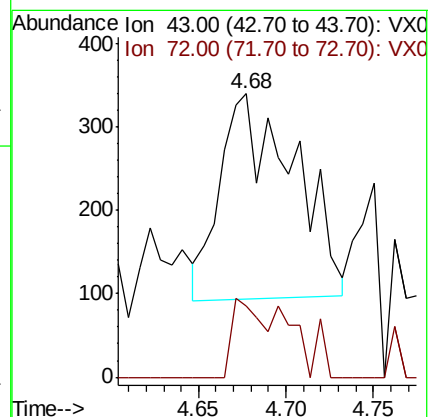
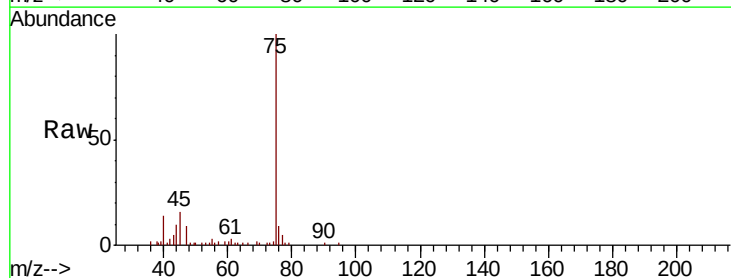
Acq: 12 Jun 2019 10:27

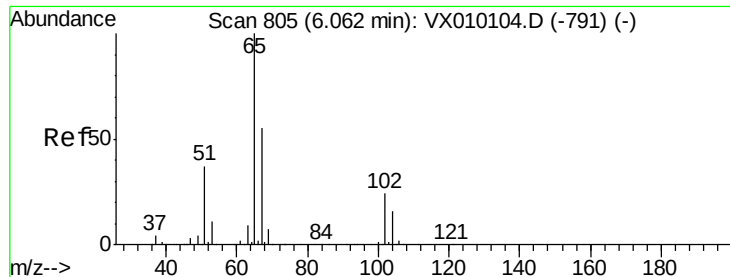
Tgt Ion: 43 Resp: 725

Ion Ratio Lower Upper

43 100

72 38.5 17.5 26.3#





#33

1,2-Dichloroethane-d4

Concen: 48.564 ug/l

RT: 6.05 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

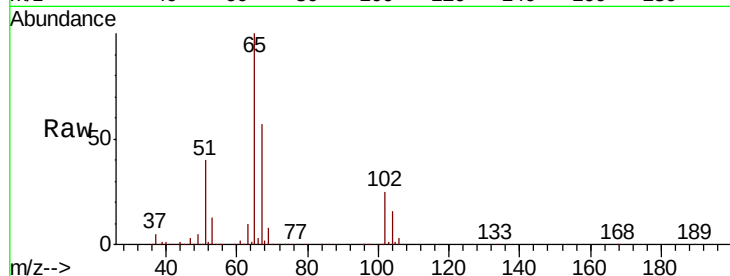
ClientSampleId :

Tot Ion: 65 Resp: 157438

Ion Ratio Lower Upper

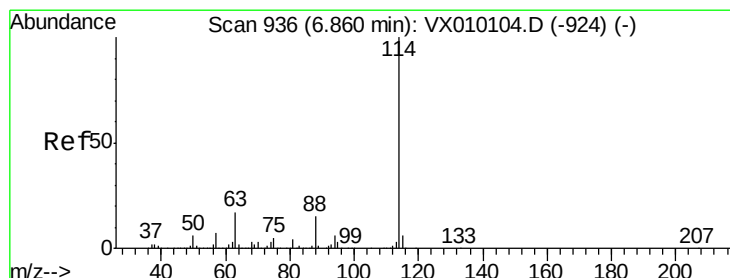
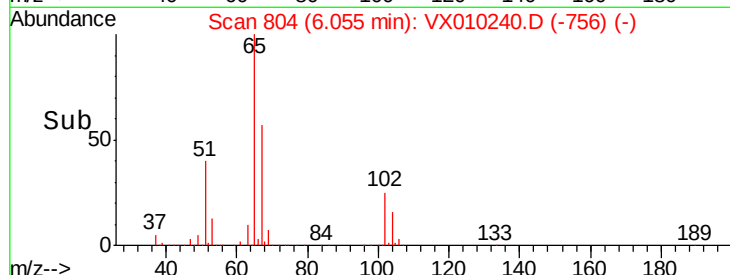
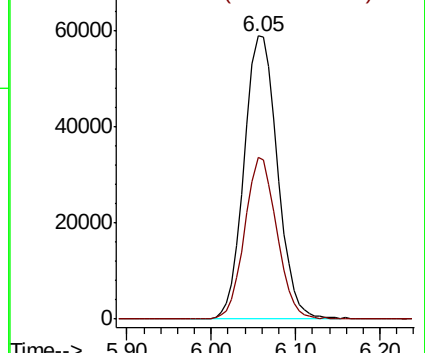
65 100

67 55.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

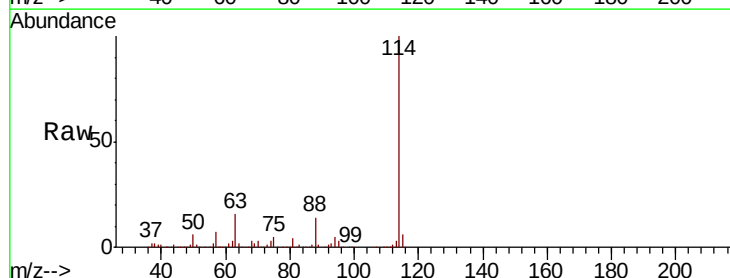
Tgt Ion: 114 Resp: 507415

Ion Ratio Lower Upper

114 100

63 16.4 0.0 47.4

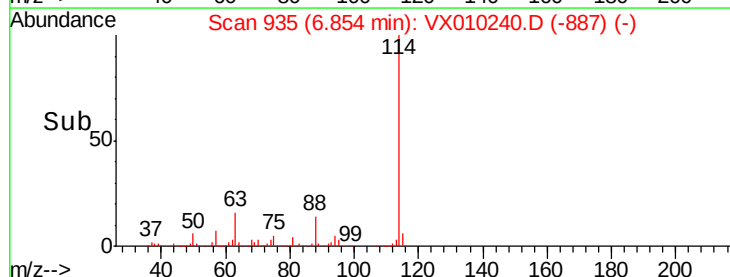
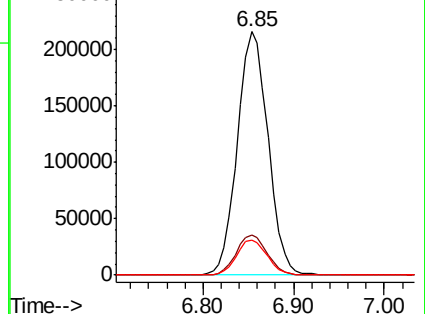
88 14.3 0.0 33.0

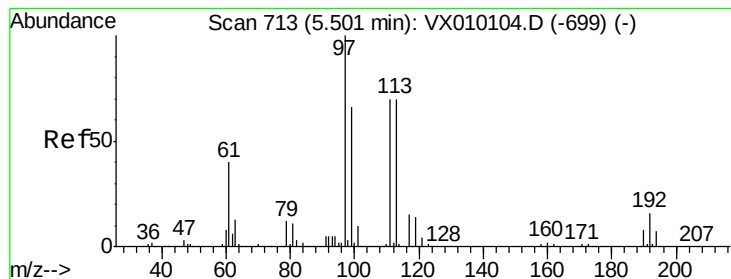


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.521 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

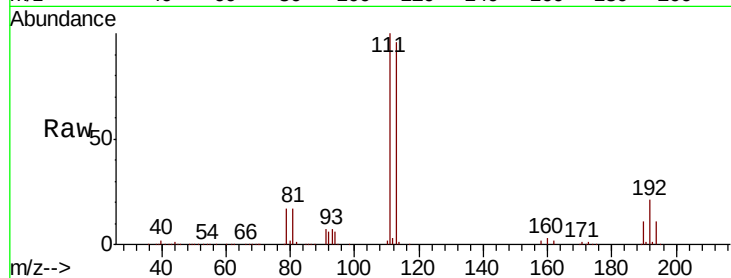
Tot Ion:113 Resp: 164384

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

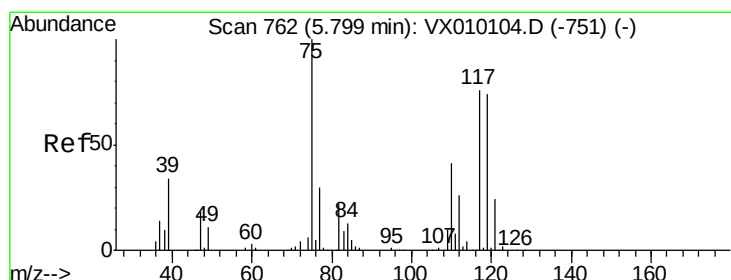
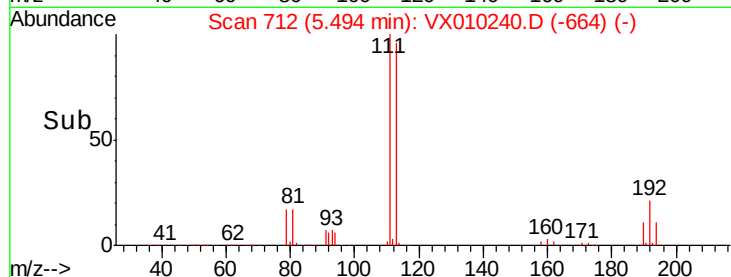
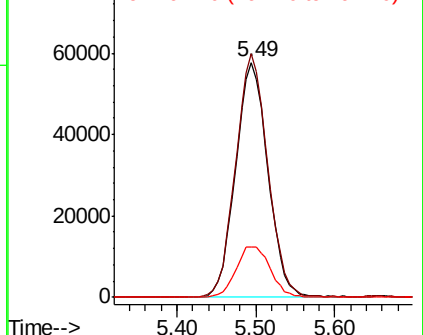
192 23.0 17.1 25.7



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: 4.782 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

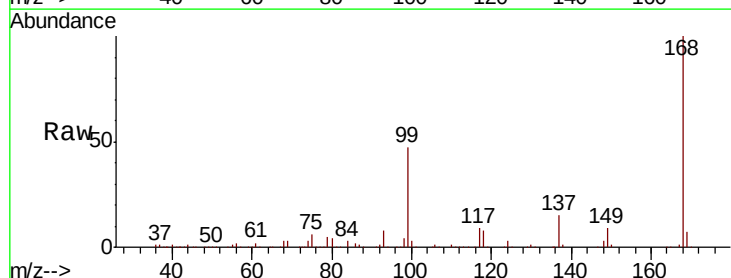
Tgt Ion: 75 Resp: 19796

Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

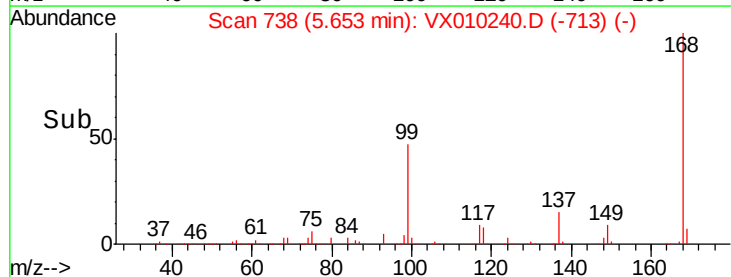
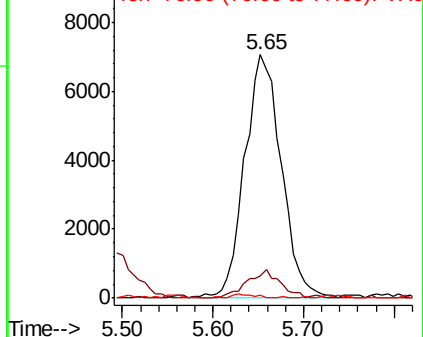
77 0.0 25.0 37.4#

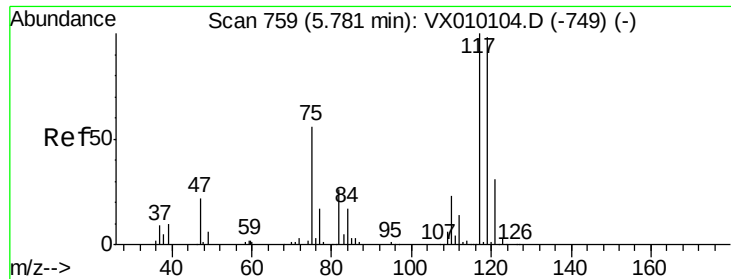


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.244 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

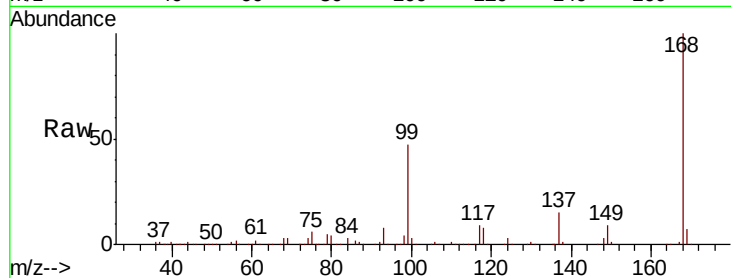
Tot Ion:117 Resp: 29256

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

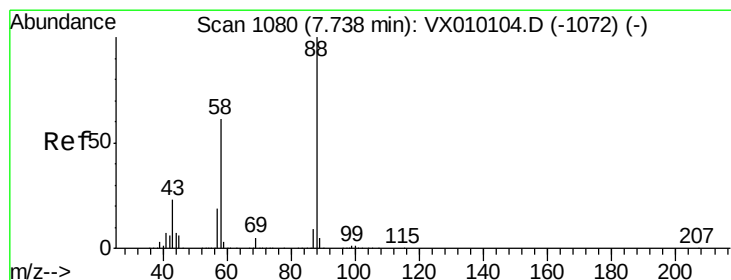
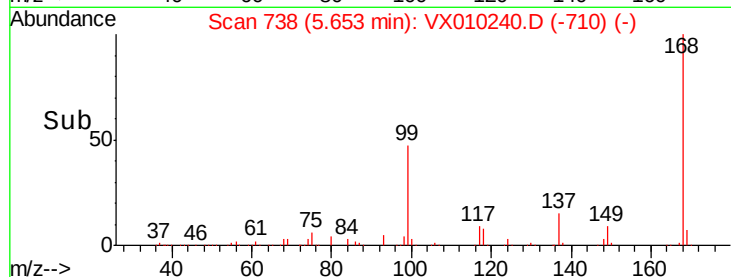
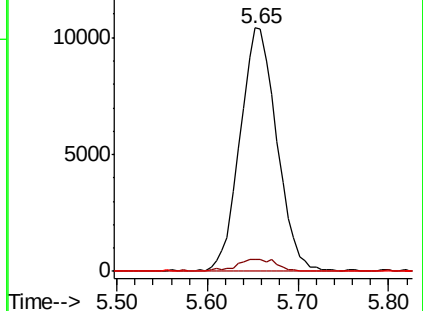
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.385 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

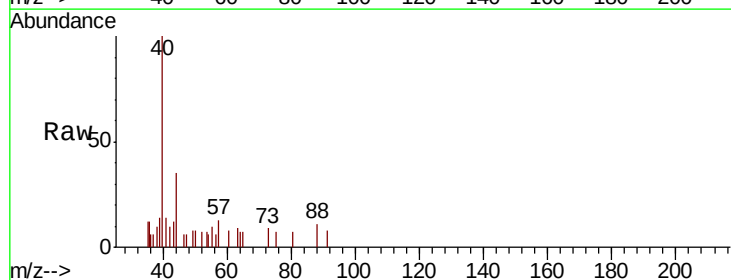
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 470.3 30.2 45.4#

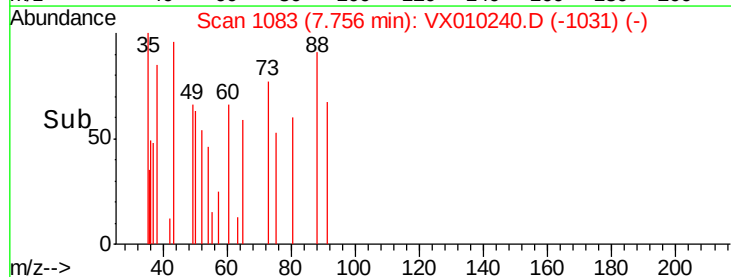
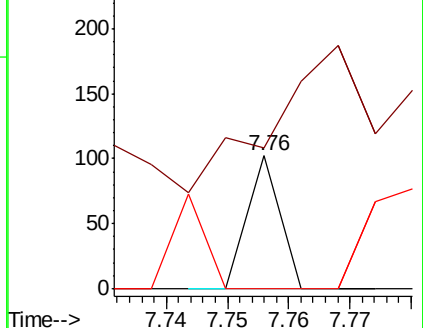
58 0.0 64.0 96.0#

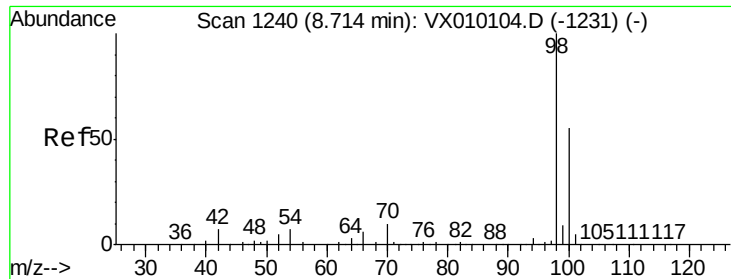


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 53.230 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

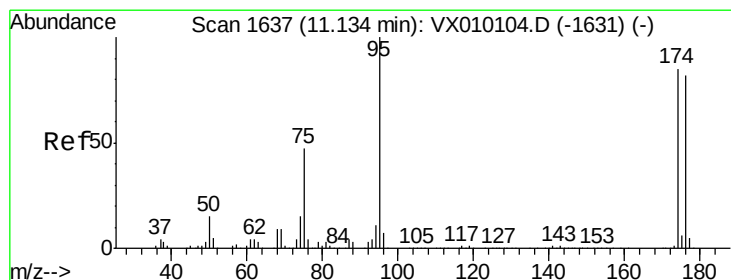
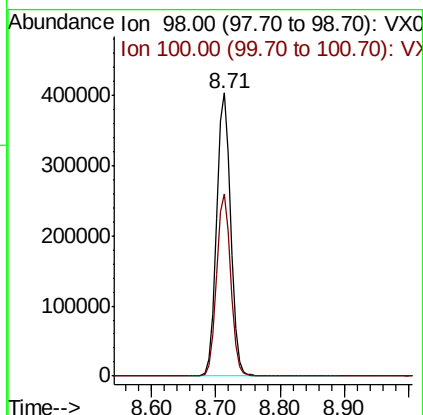
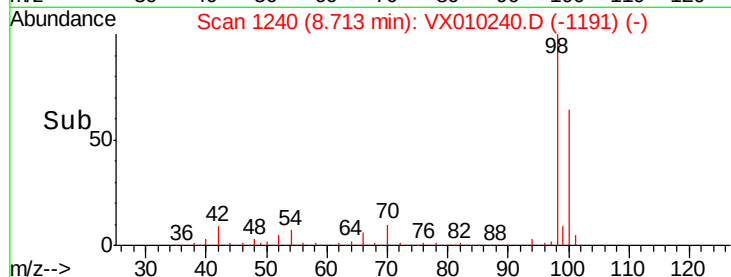
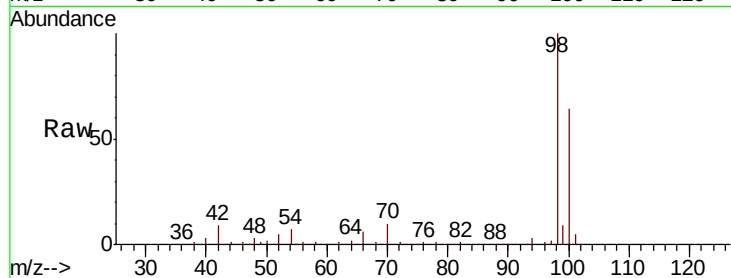
ClientSampleId :

Tot Ion: 98 Resp: 624402

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 48.914 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

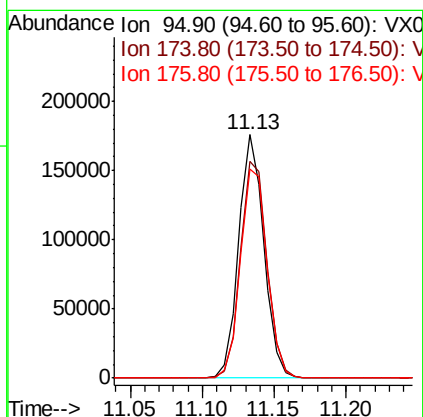
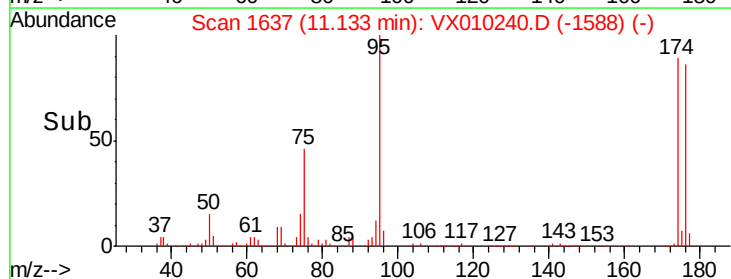
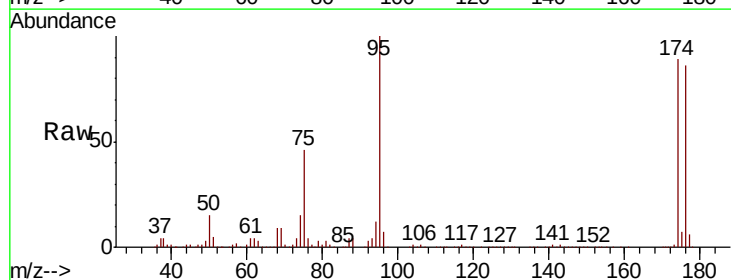
Tgt Ion: 95 Resp: 214279

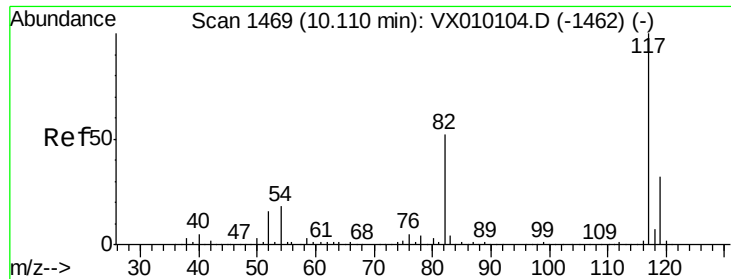
Ion Ratio Lower Upper

95 100

174 93.6 0.0 160.4

176 90.7 0.0 154.6

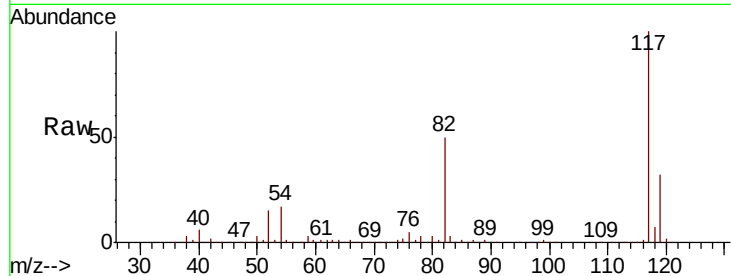




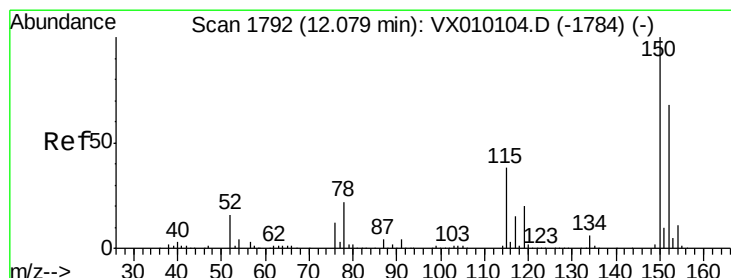
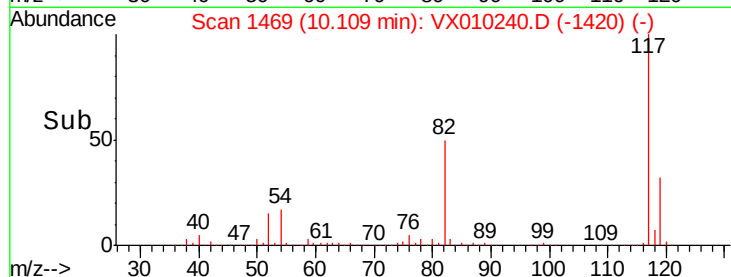
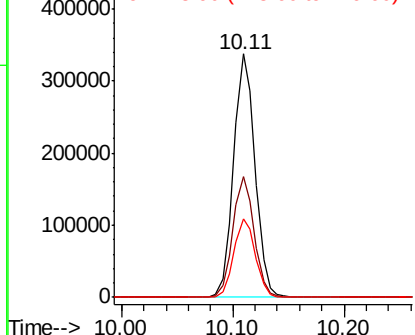
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010240.D
Acq: 12 Jun 2019 10:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 450083
Ion Ratio Lower Upper
117 100
82 49.7 49.2 73.8
119 32.4 25.2 37.8

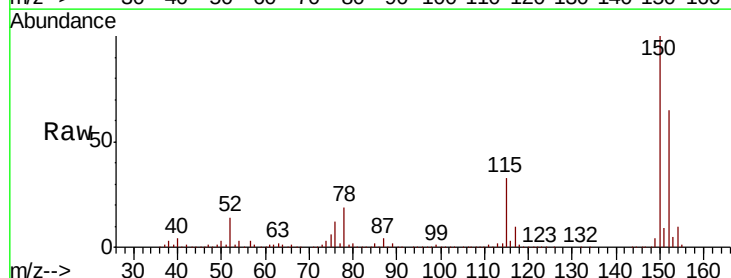


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

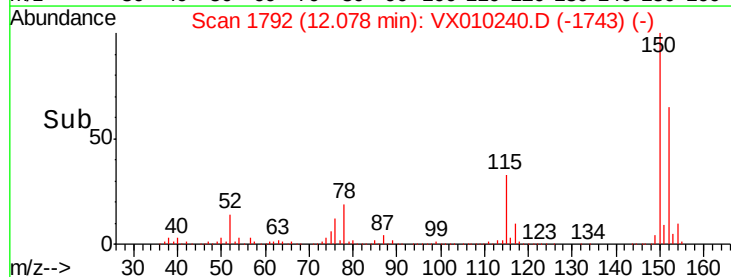
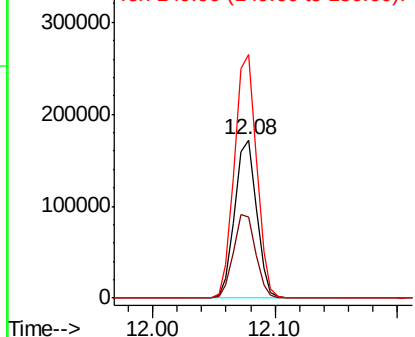


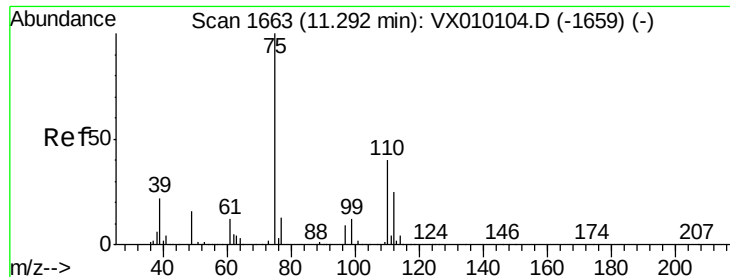
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010240.D
Acq: 12 Jun 2019 10:27

Tgt Ion:152 Resp: 211583
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 156.4 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.190 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

Instrument :

MSVOA_X

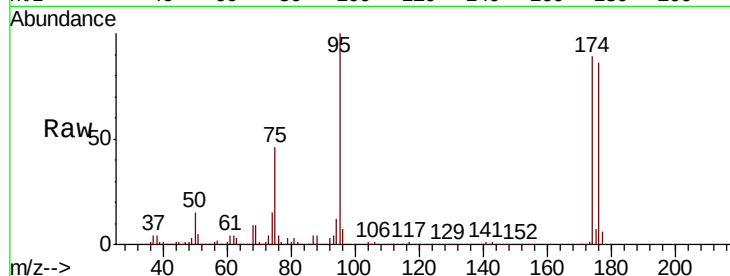
ClientSampleId :

Tot Ion: 75 Resp: 98142

Ion Ratio Lower Upper

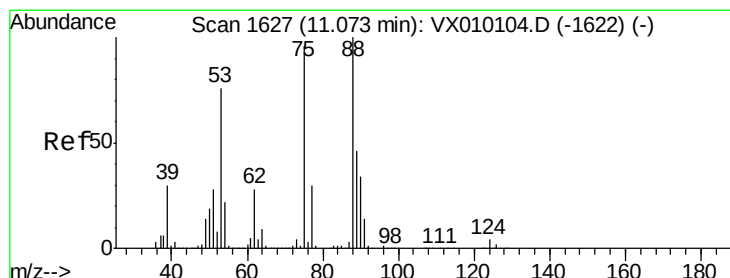
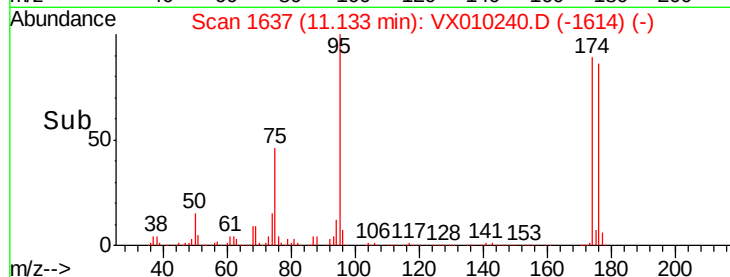
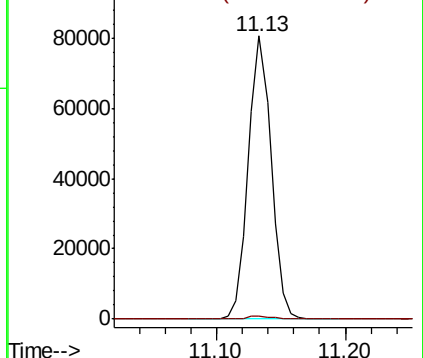
75 100

77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 51.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010240.D

Acq: 12 Jun 2019 10:27

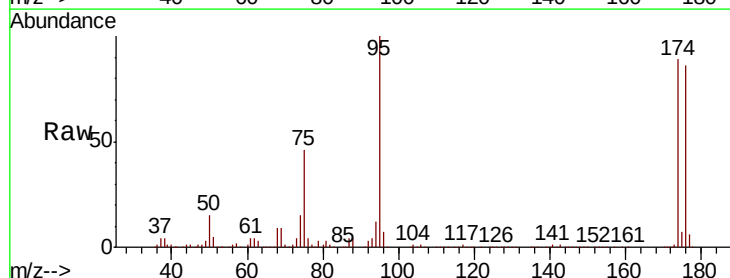
Tgt Ion: 75 Resp: 98142

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.1 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

