

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010301.D
 Acq On : 14 Jun 2019 15:29
 Operator : JC/SP
 Sample : K3349-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-TB14-190612

Quant Time: Jun 15 01:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	418039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192762	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	143600	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
35) Dibromofluoromethane	5.50	113	145016	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	553678	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	182458	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	

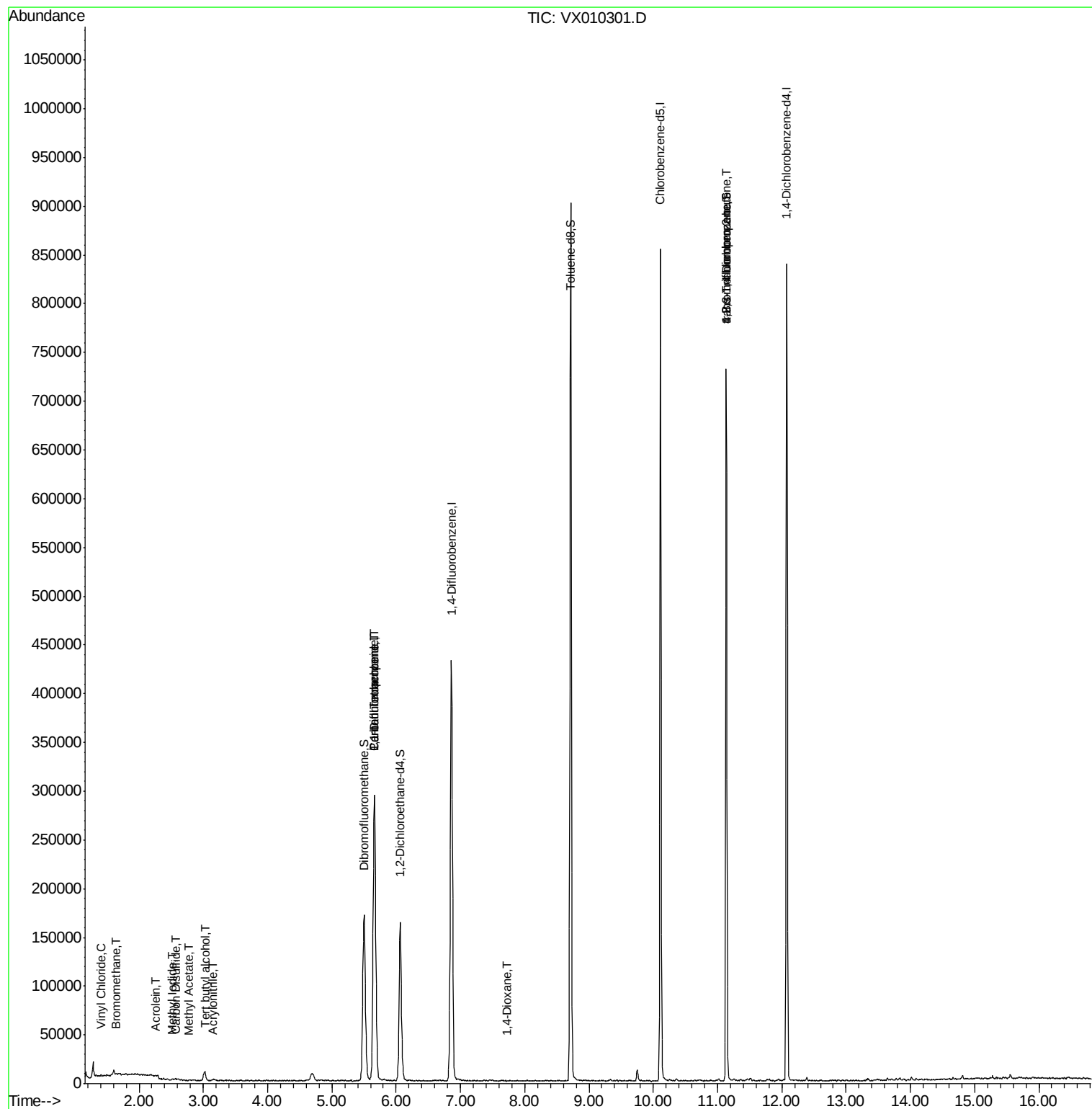
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	646	0.238	ug/l #	47
5) Bromomethane	1.65	94	914	0.891	ug/l #	70
10) Methyl Iodide	2.51	142	1150	0.267	ug/l	98
11) Tert butyl alcohol	3.02	59	5130	6.778	ug/l #	80
13) Acrolein	2.26	56	56	0.406	ug/l #	14
15) Acrylonitrile	3.15	53	571	0.369	ug/l #	61
17) Carbon Disulfide	2.57	76	1648	0.201	ug/l #	80
18) Methyl Acetate	2.78	43	839	0.263	ug/l #	70
36) 1,1-Dichloropropene	5.67	75	18927	4.843	ug/l #	53
38) Carbon Tetrachloride	5.67	117	27304	6.172	ug/l #	15
49) 1,4-Dioxane	7.73	88	19	0.210	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86056	22.320	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	86056	49.314	ug/l #	10

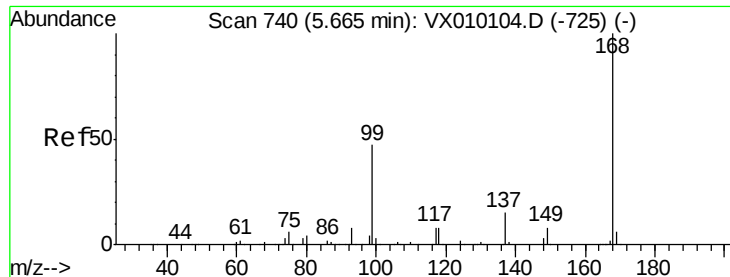
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 02:12:13 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

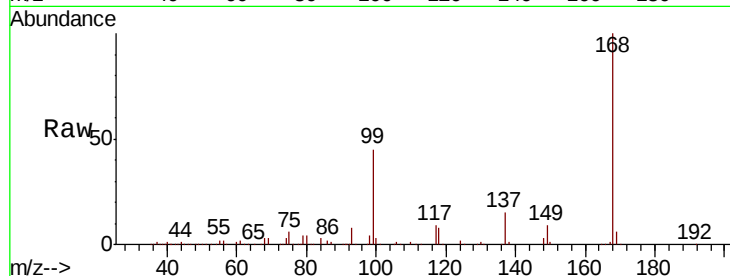
Z1-TB14-190612

Tot Ion:168 Resp: 316509

Ion Ratio Lower Upper

168 100

99 45.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

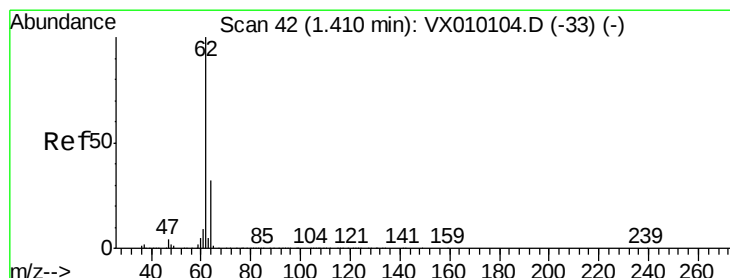
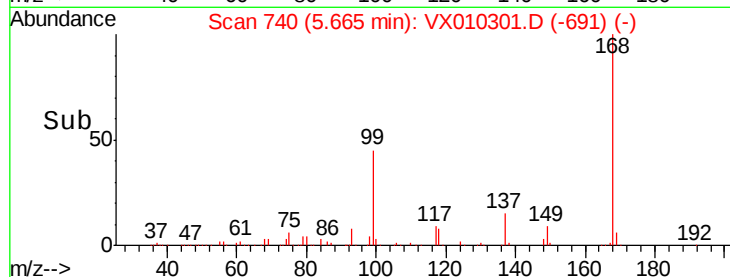
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.238 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010301.D

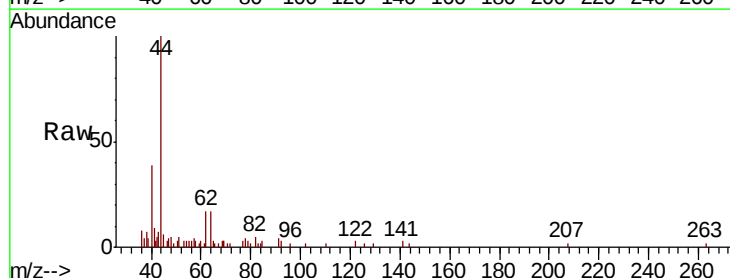
Acq: 14 Jun 2019 15:29

Tgt Ion: 62 Resp: 646

Ion Ratio Lower Upper

62 100

64 61.8 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

500

400

300

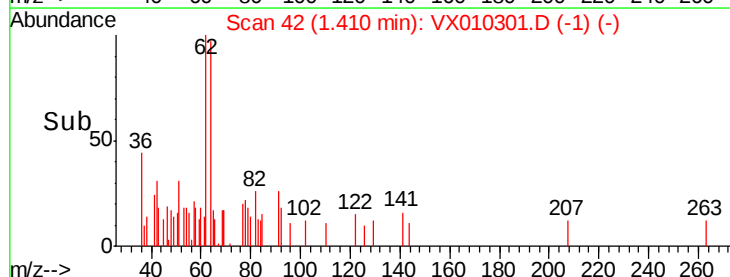
200

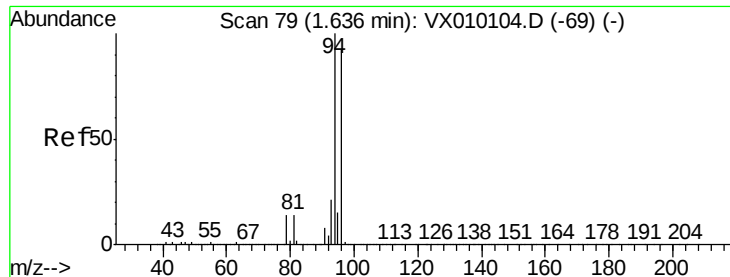
100

0

Time-->

1.40 1.45





#5

Bromomethane

Concen: 0.891 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

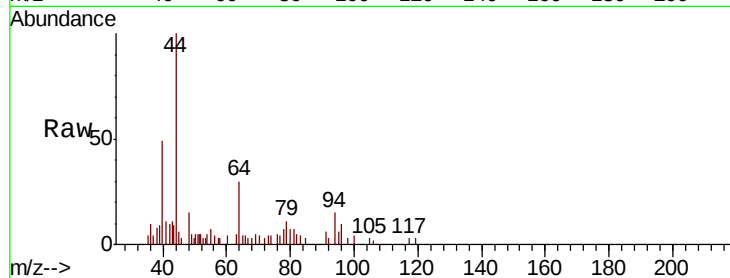
Z1-TB14-190612

Tot Ion: 94 Resp: 914

Ion Ratio Lower Upper

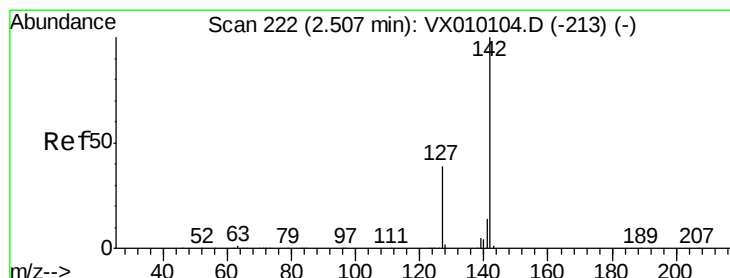
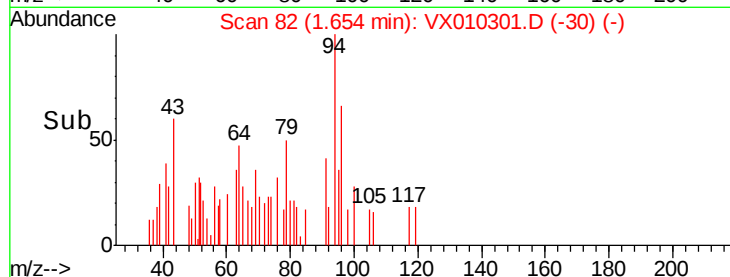
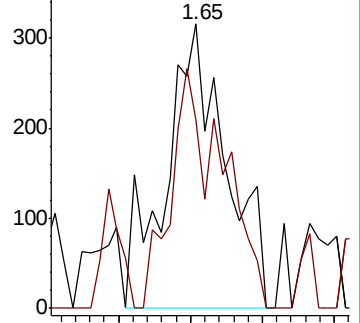
94 100

96 66.5 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.267 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

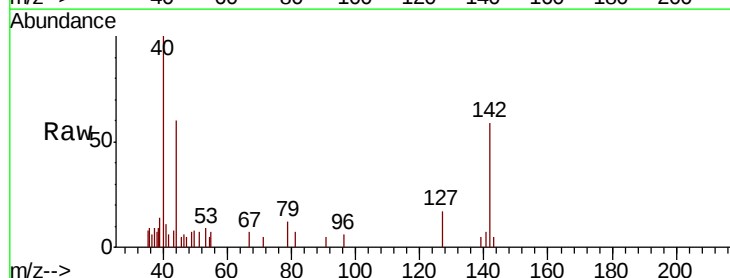
Tgt Ion: 142 Resp: 1150

Ion Ratio Lower Upper

142 100

127 40.4 33.0 49.4

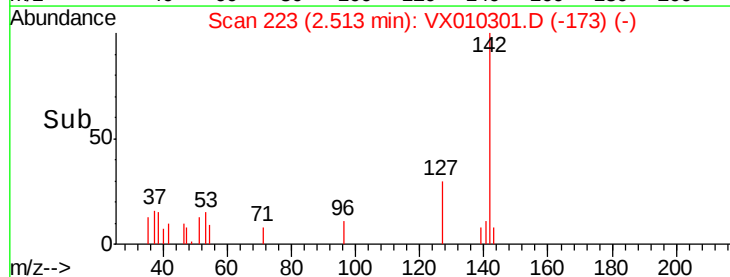
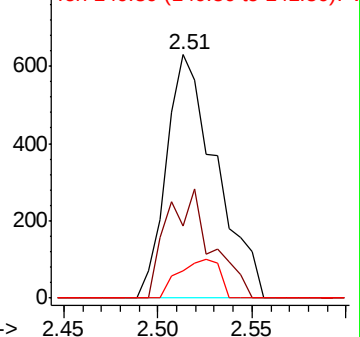
141 13.1 11.4 17.0

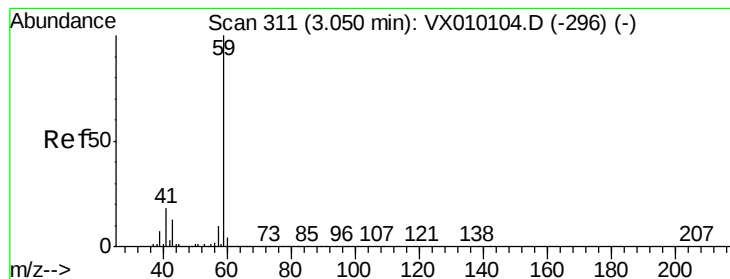


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



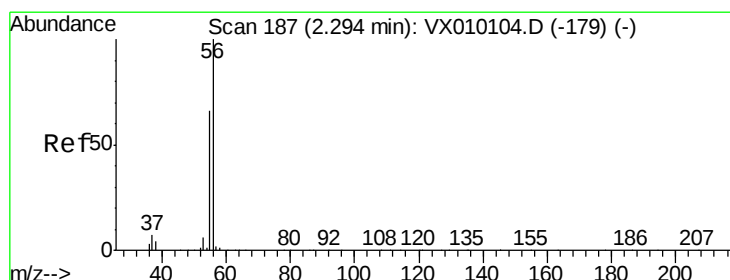
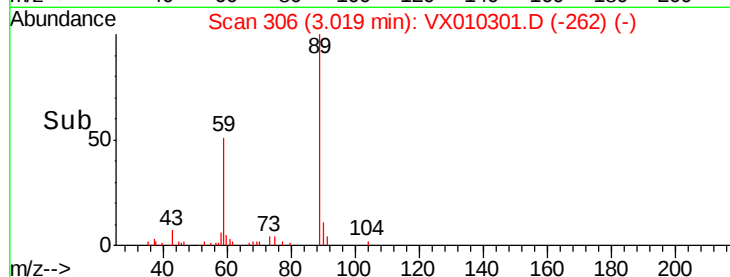
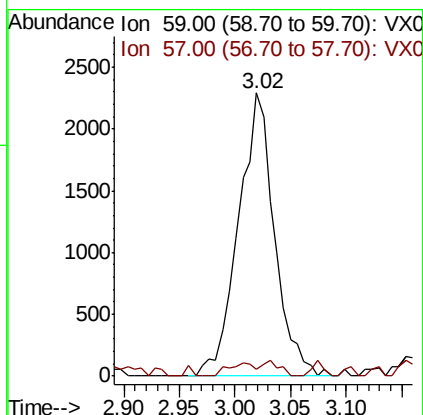
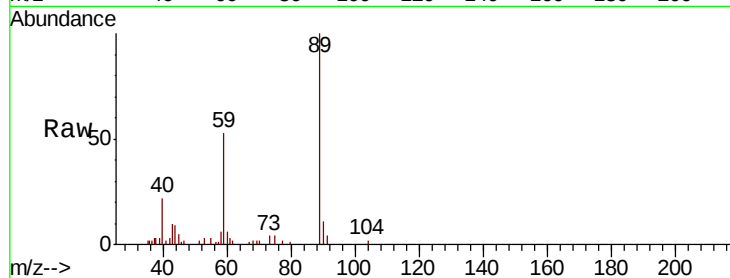


#11

Tert butyl alcohol
Concen: 6.778 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

Instrument :
MSVOA_X
ClientSampleId :
Z1-TB14-190612

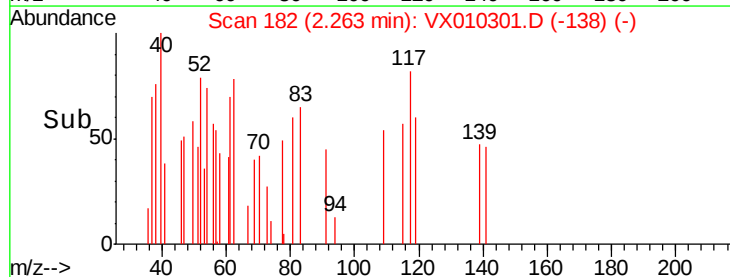
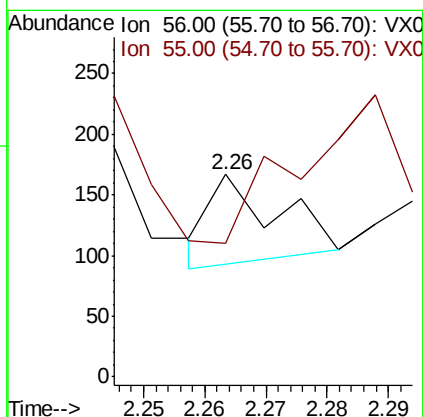
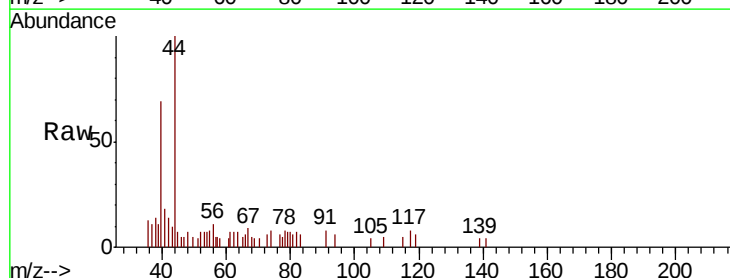
Tot Ion: 59 Resp: 5130
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#

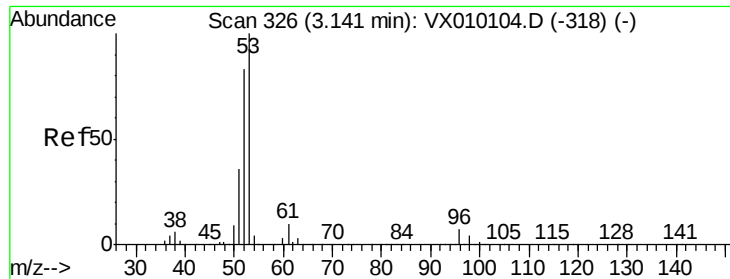


#13

Acrolein
Concen: 0.406 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

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





#15

Acrylonitrile

Concen: 0.369 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

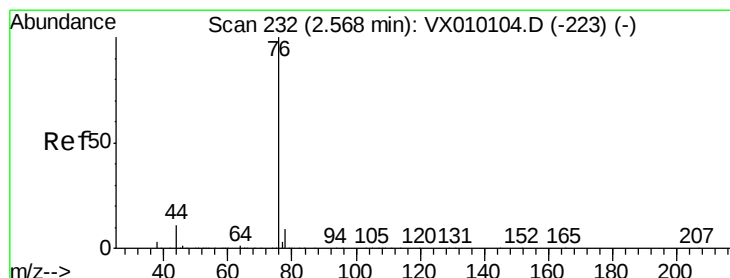
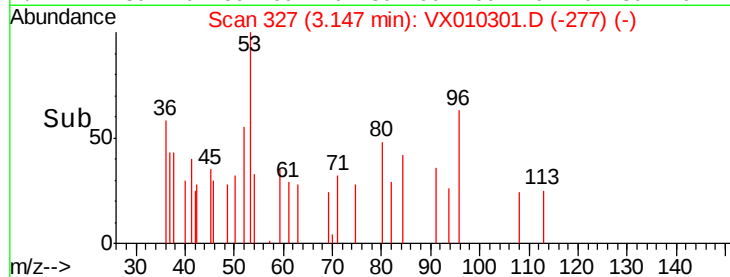
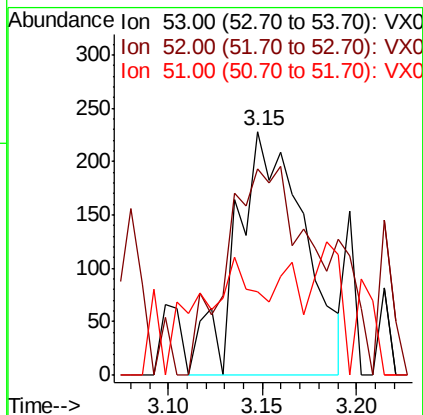
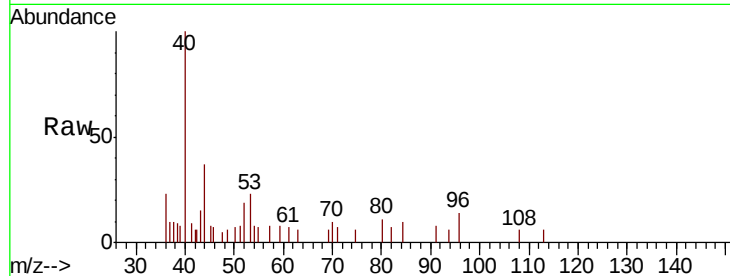
Tot Ion: 53 Resp: 571

Ion Ratio Lower Upper

53 100

52 120.5 66.7 100.1#

51 16.3 28.8 43.2#



#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010301.D

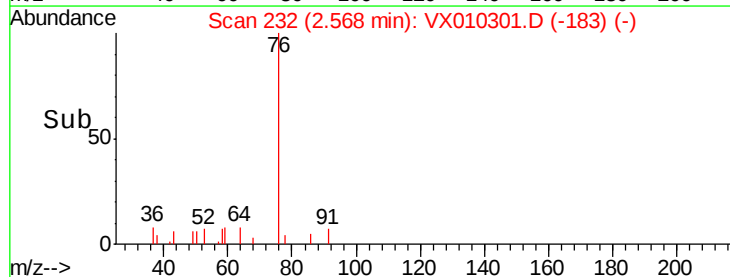
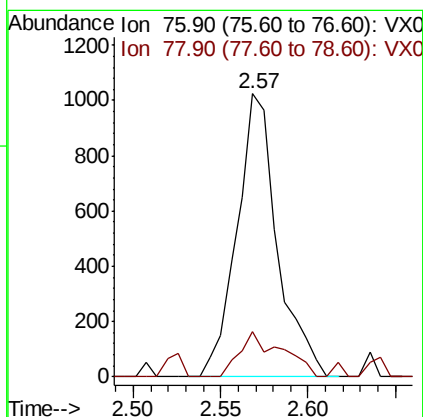
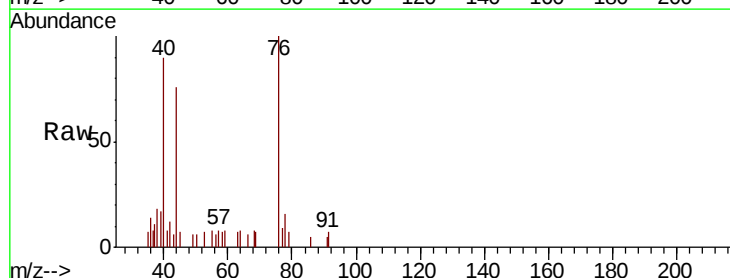
Acq: 14 Jun 2019 15:29

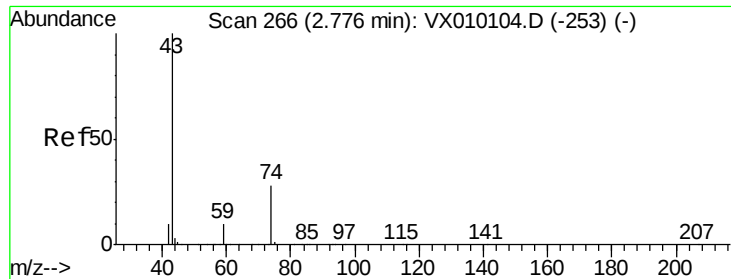
Tgt Ion: 76 Resp: 1648

Ion Ratio Lower Upper

76 100

78 15.9 7.0 10.6#

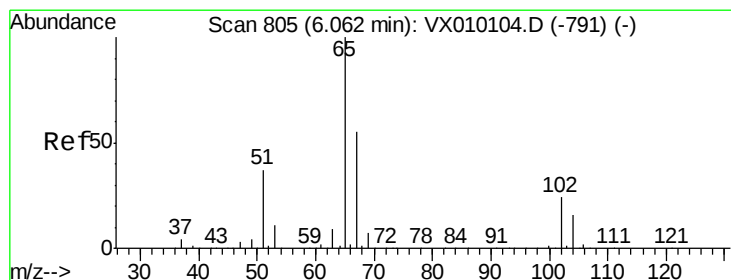
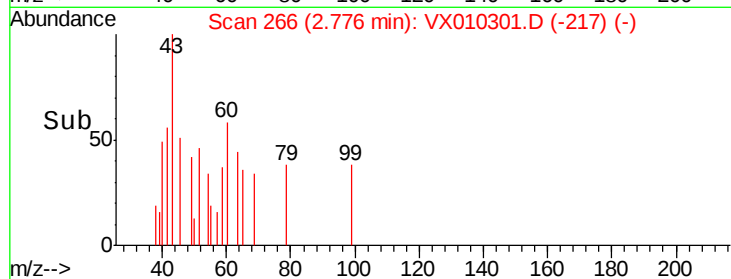
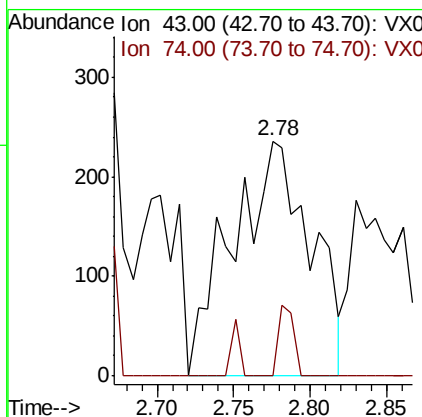
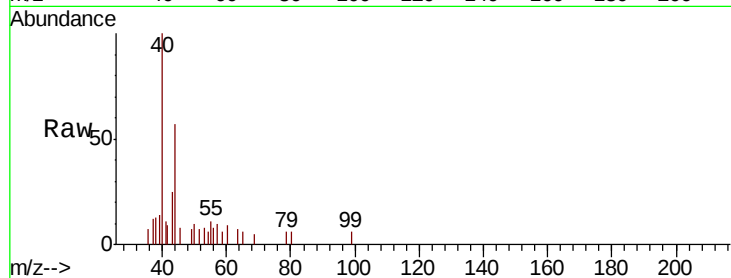




#18
Methvl Acetate
Concen: 0.263 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

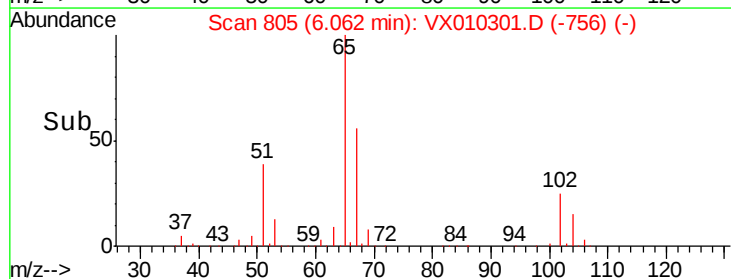
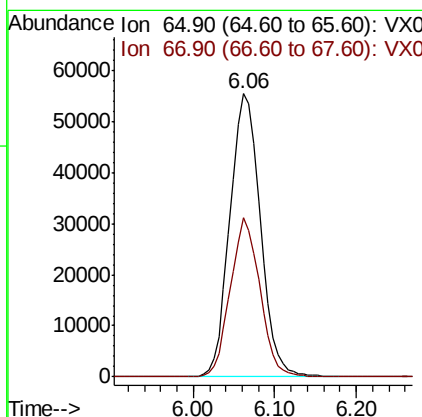
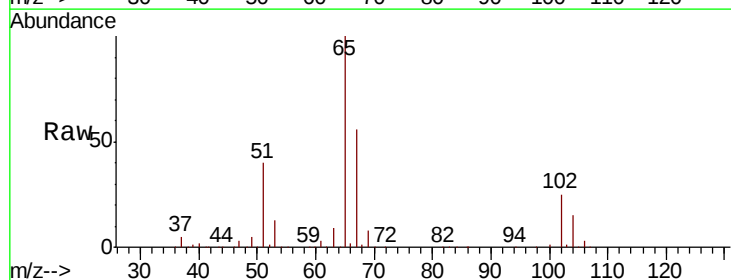
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB14-190612

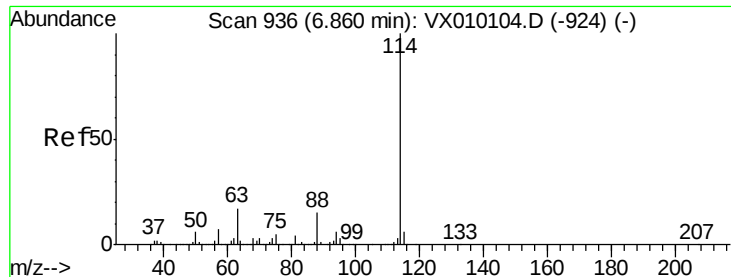
Tot Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
74 5.8 15.8 23.6#



#33
1,2-Dichloroethane-d4
Concen: 46.480 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

Tgt Ion: 65 Resp: 143600
Ion Ratio Lower Upper
65 100
67 54.5 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: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

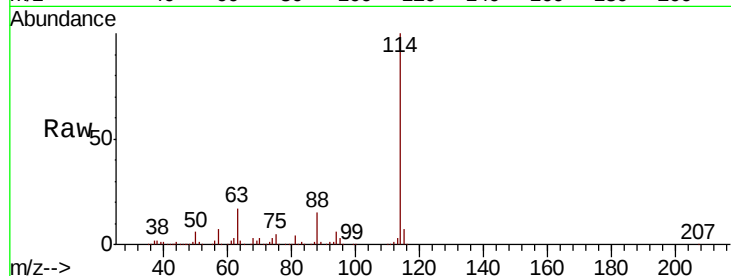
Tot Ion:114 Resp: 479069

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

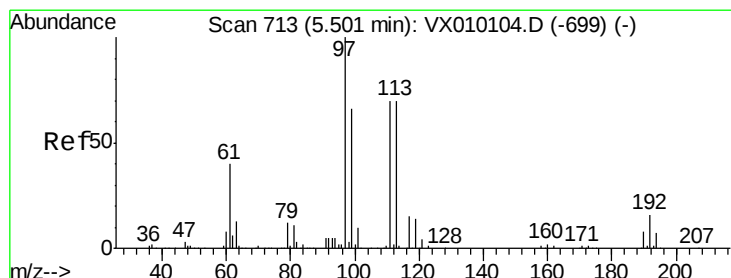
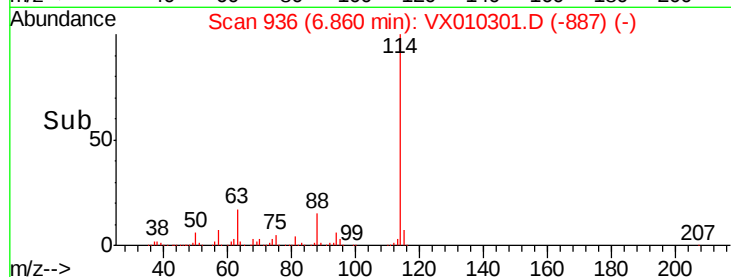
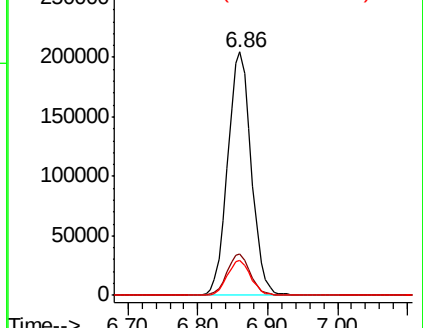
88 14.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.075 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

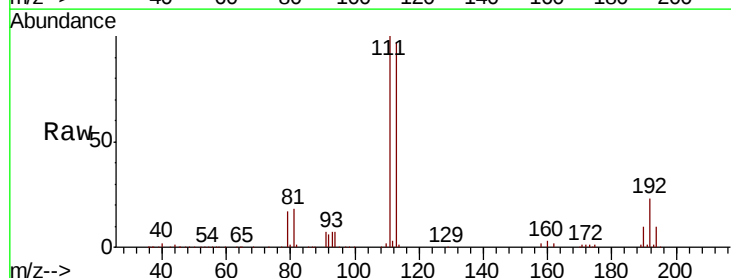
Tgt Ion:113 Resp: 145016

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

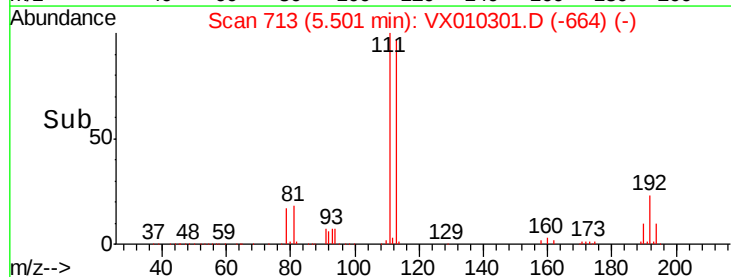
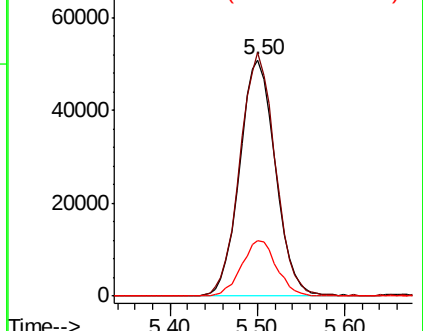
192 23.2 17.1 25.7

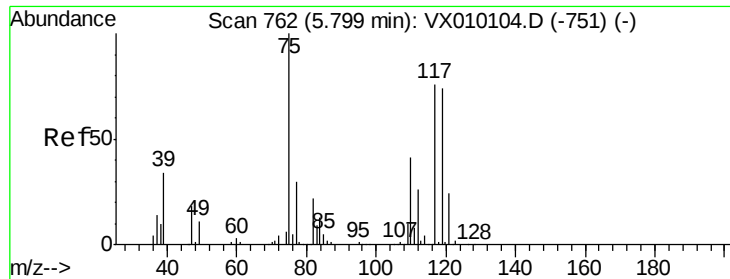


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

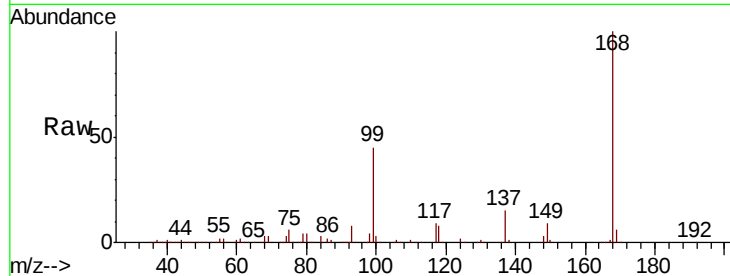
Tot Ion: 75 Resp: 18927

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.1#

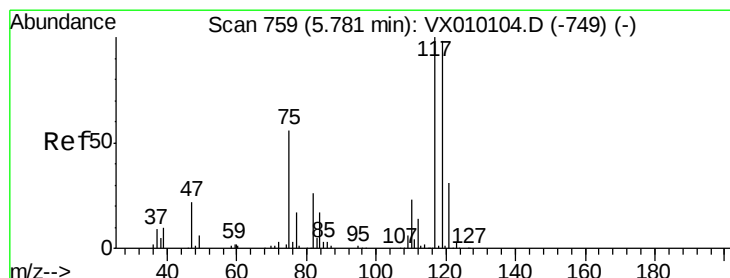
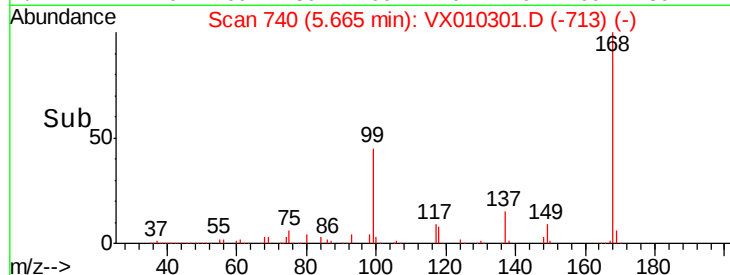
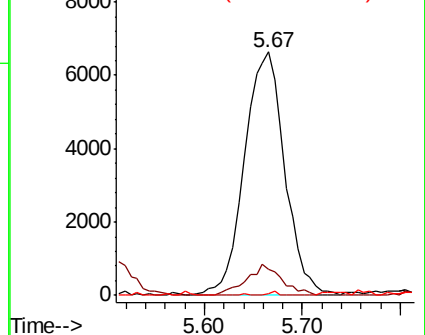
77 0.3 25.0 37.4#



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: 6.172 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

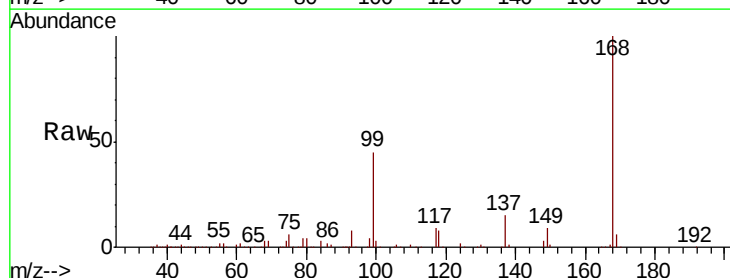
Tgt Ion: 117 Resp: 27304

Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

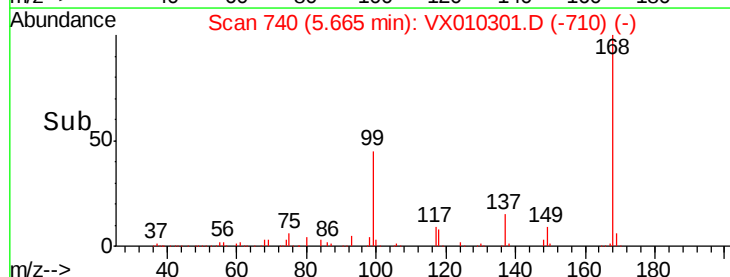
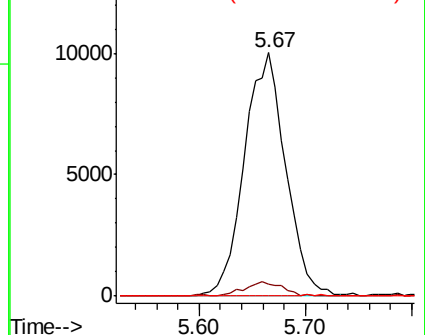
121 0.0 25.4 38.0#

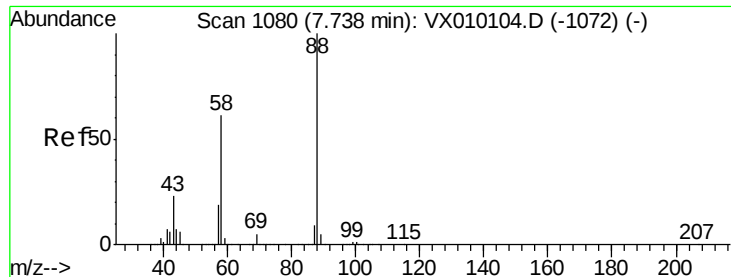


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

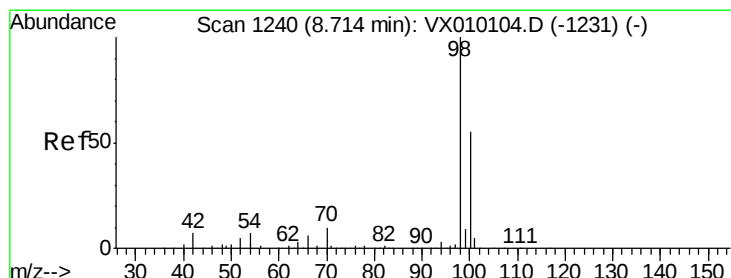
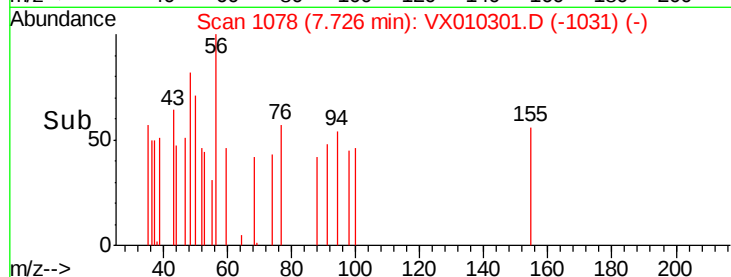
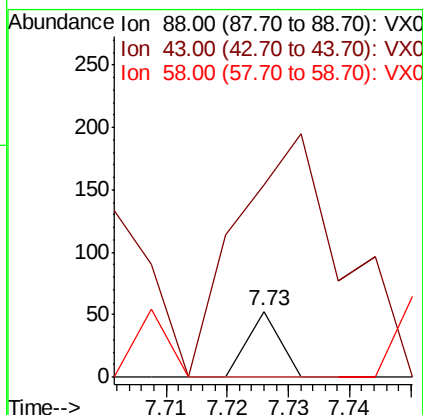
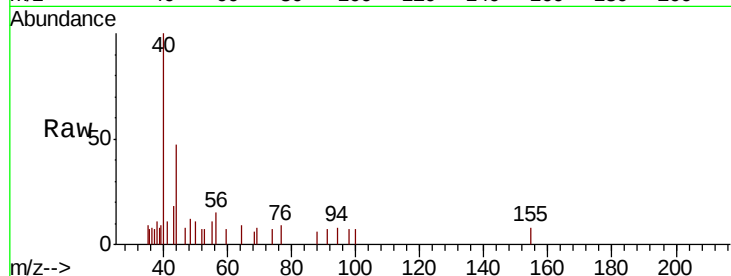




#49
1,4-Dioxane
Concen: 0.210 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

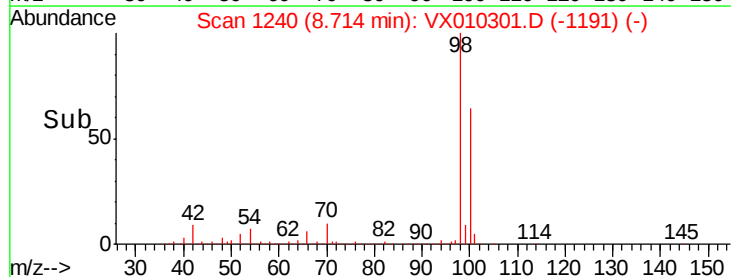
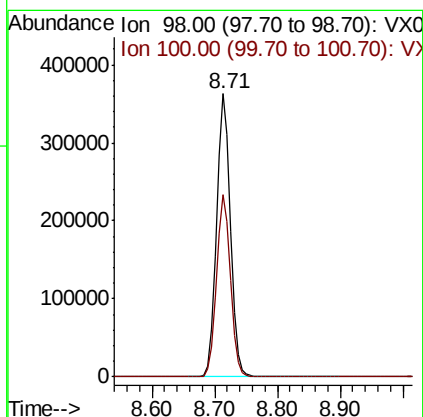
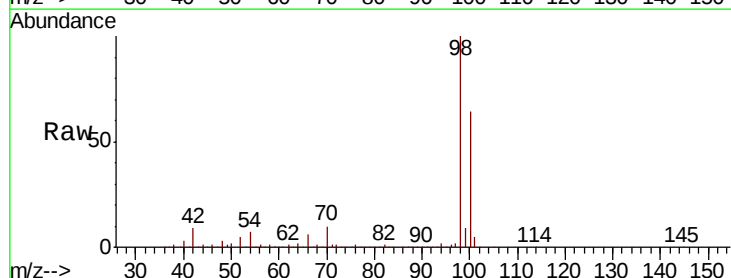
Instrument :
MSVOA_X
ClientSampleId :
Z1-TB14-190612

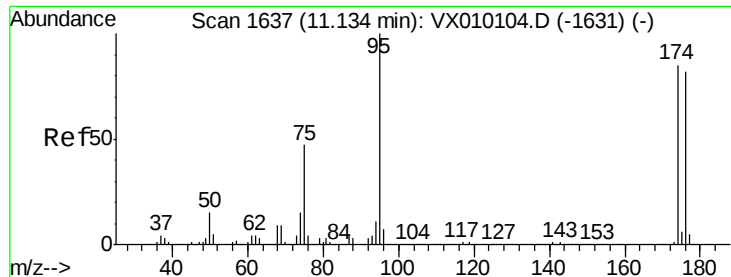
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1226.3 30.2 45.4#
58 0.0 64.0 96.0#



#50
Toluene-d8
Concen: 49.994 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010301.D
Acq: 14 Jun 2019 15:29

Tgt Ion: 98 Resp: 553678
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 44.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

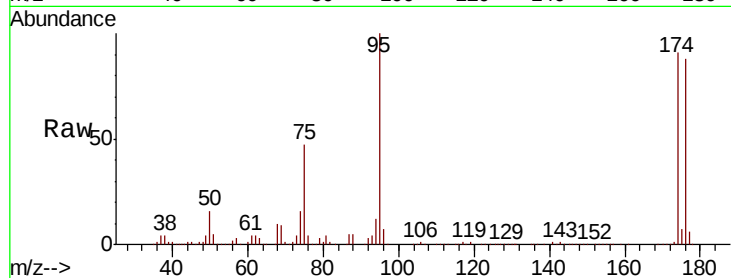
Tot Ion: 95 Resp: 182458

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

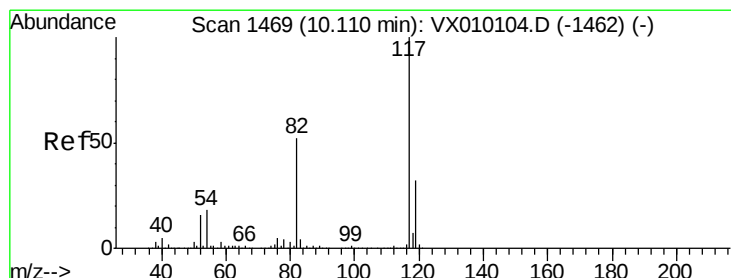
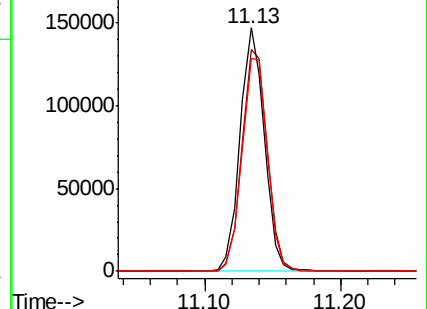
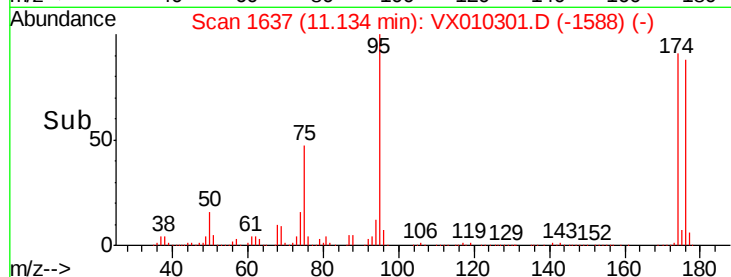
176 92.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010301.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010301.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010301.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

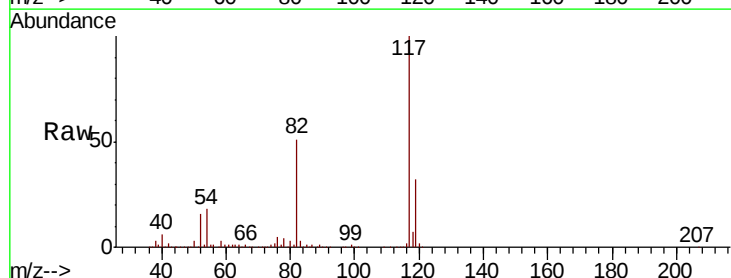
Tgt Ion: 117 Resp: 418039

Ion Ratio Lower Upper

117 100

82 50.7 49.2 73.8

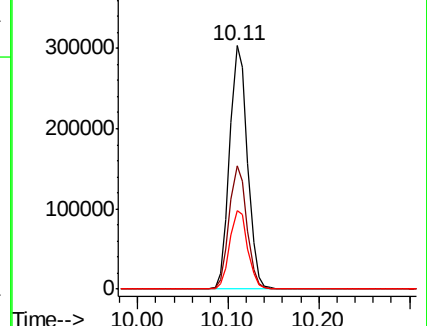
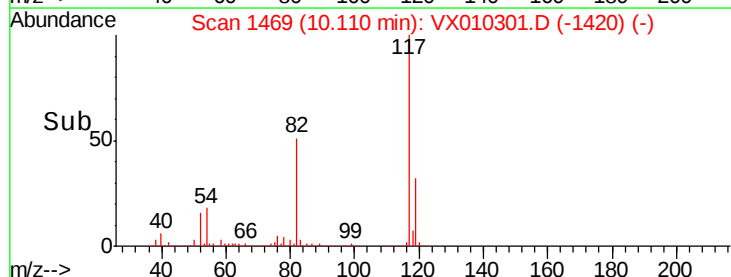
119 32.3 25.2 37.8

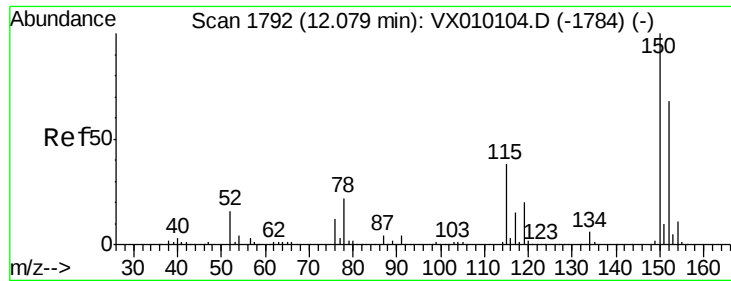


Abundance Ion 116.90 (116.60 to 117.60): VX010301.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010301.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010301.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

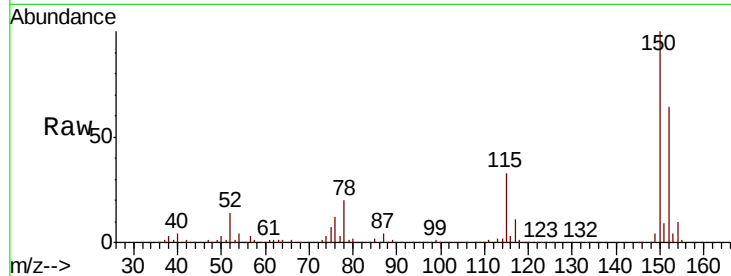
Tot Ion:152 Resp: 192762

Ion Ratio Lower Upper

152 100

115 53.3 41.4 124.2

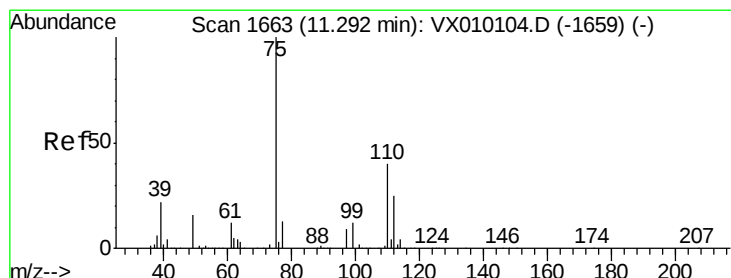
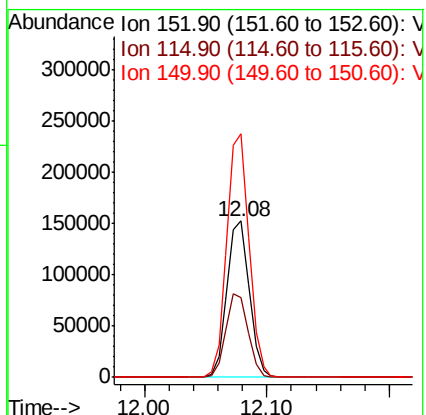
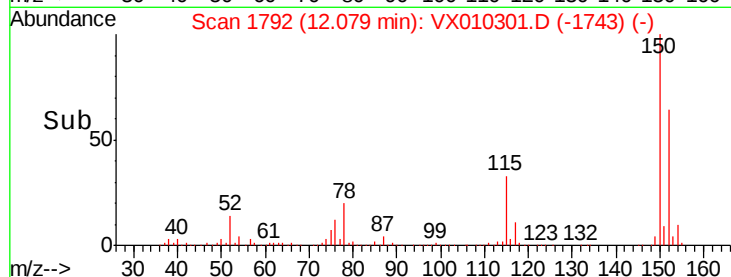
150 155.0 0.0 345.2



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: 22.320 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010301.D

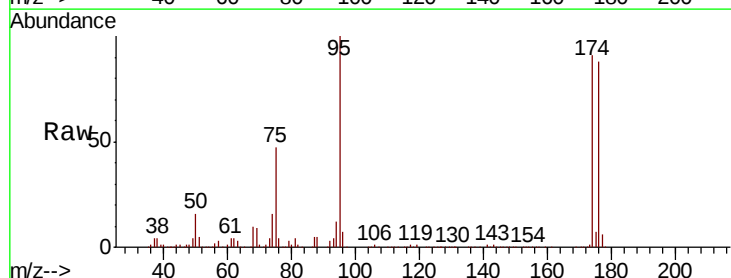
Acq: 14 Jun 2019 15:29

Tgt Ion: 75 Resp: 86056

Ion Ratio Lower Upper

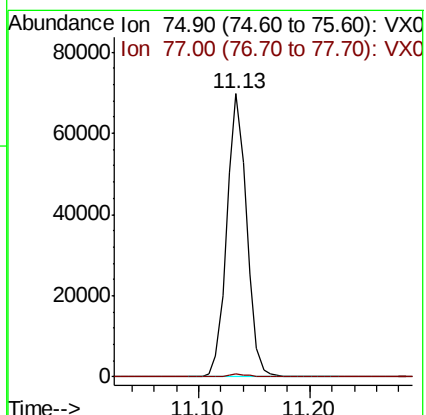
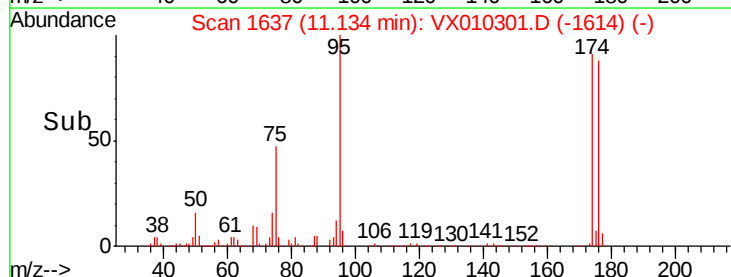
75 100

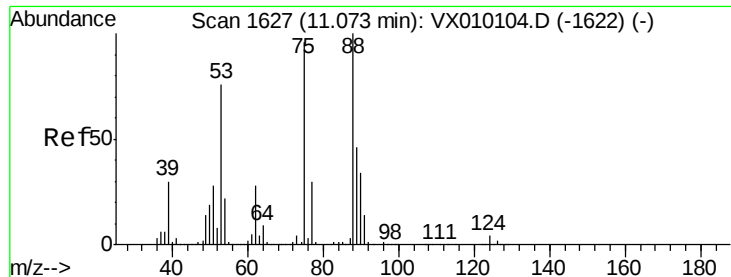
77 1.2 22.1 66.1#



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: 49.314 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010301.D

Acq: 14 Jun 2019 15:29

Instrument :

MSVOA_X

ClientSampleId :

Z1-TB14-190612

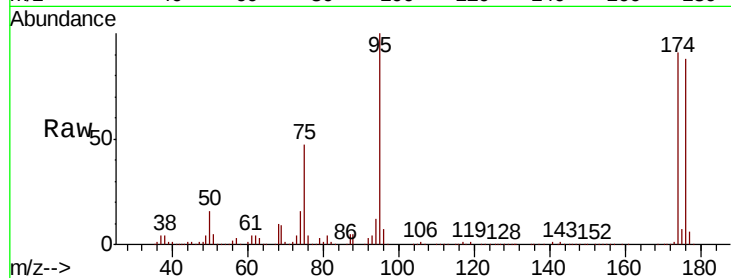
Tot Ion: 75 Resp: 86056

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

