

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002660.D
 Acq On : 16 Jun 2018 21:11
 Operator : JC/MD
 Sample : J3462-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01_061218

Quant Time: Jun 18 01:40:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	154887	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146022	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	
35) Dibromofluoromethane	5.51	113	111500	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
50) Toluene-d8	8.72	98	435055	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
62) 4-Bromofluorobenzene	11.14	95	148720	42.19	ug/l	0.00
Spiked Amount			Recovery	=	84.38%	

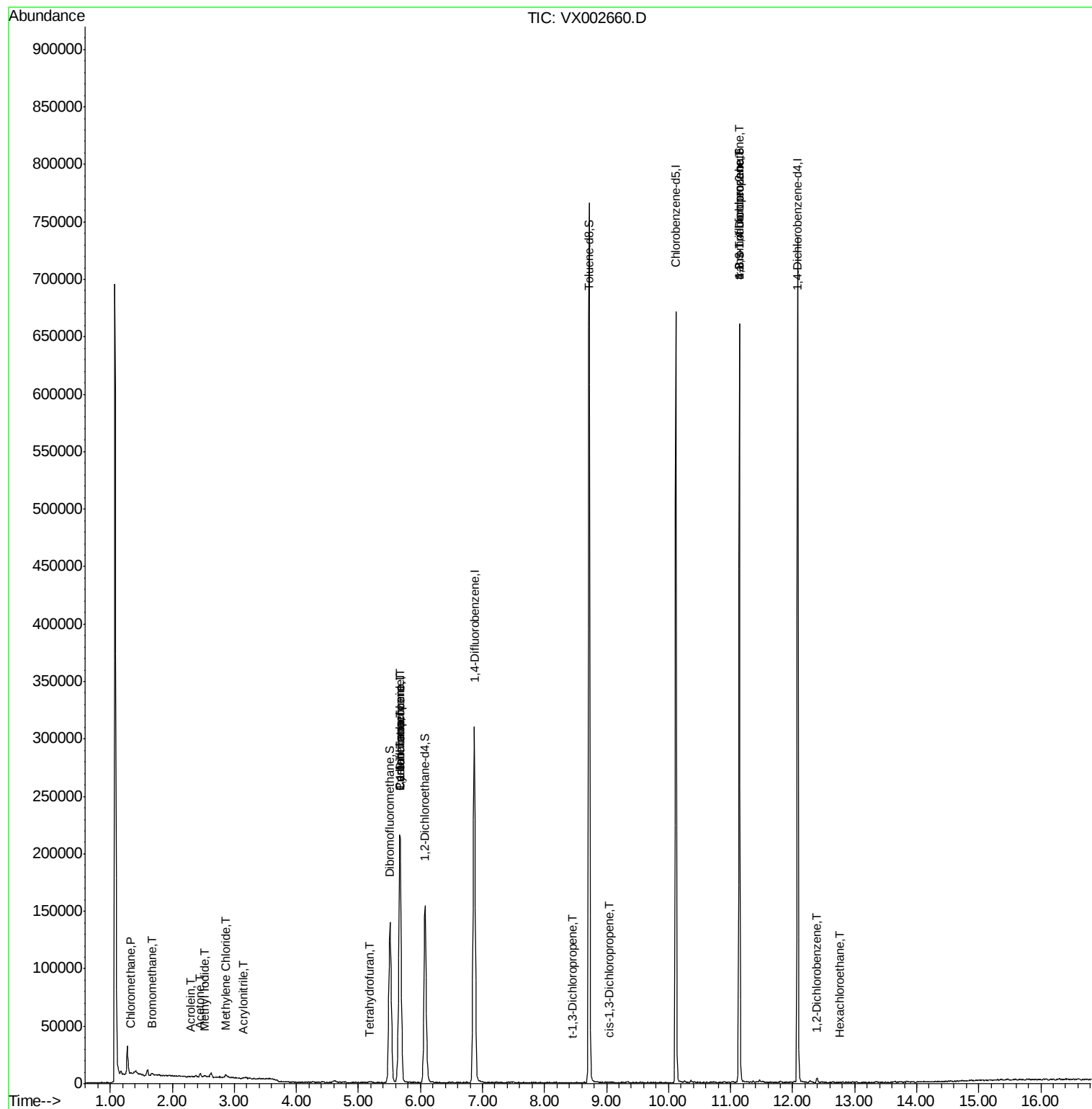
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	906	0.335	ug/l	91
5) Bromomethane	1.67	94	1424	0.842	ug/l	96
10) Methyl Iodide	2.53	142	1517	5.577	ug/l	94
13) Acrolein	2.29	56	157	7.348	ug/l	98
15) Acrylonitrile	3.14	53	318	0.217	ug/l #	77
16) Acetone	2.45	43	3400	2.371	ug/l	98
20) Methylene Chloride	2.86	84	1155	0.393	ug/l #	92
29) Tetrahydrofuran	5.17	42	566	0.459	ug/l #	82
31) Cyclohexane	5.67	56	4574	1.192	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	14521	4.454	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20396	6.283	ug/l #	15
53) t-1,3-Dichloropropene	8.45	75	20	2.398	ug/l #	43
54) cis-1,3-Dichloropropene	9.06	75	47	3.224	ug/l #	53
76) 1,2,3-Trichloropropane	11.14	75	79669	27.259	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79669	84.107	ug/l #	6
90) Hexachloroethane	12.76	117	48	2.656	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1210	0.227	ug/l	94

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

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Quant Time: Jun 18 01:40:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

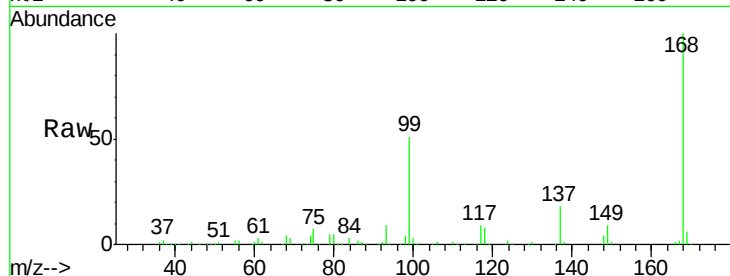
TB-01_061218

Tot Ion:168 Resp: 213922

Ion Ratio Lower Upper

168 100

99 50.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

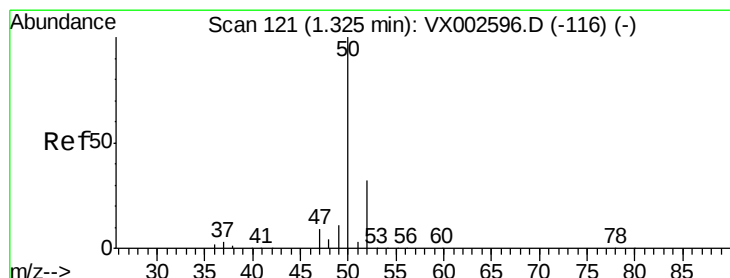
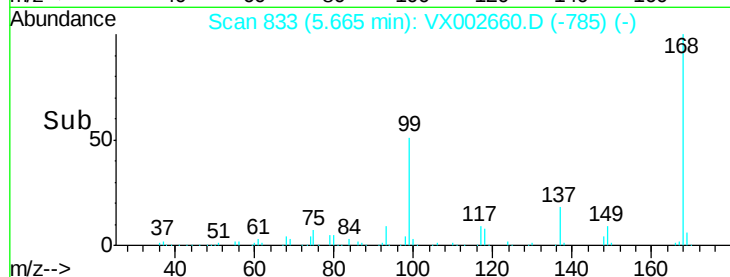
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.335 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002660.D

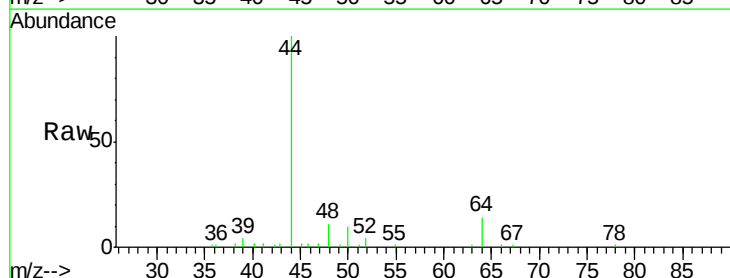
Acq: 16 Jun 2018 21:11

Tgt Ion: 50 Resp: 906

Ion Ratio Lower Upper

50 100

52 37.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

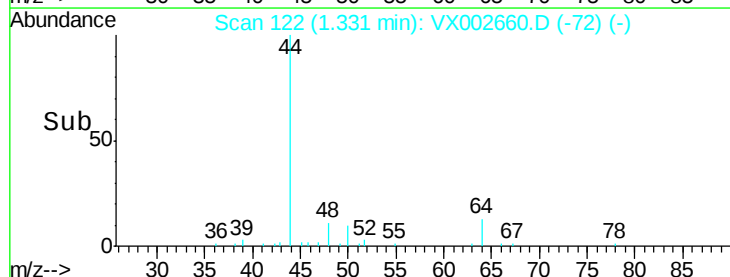
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.842 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

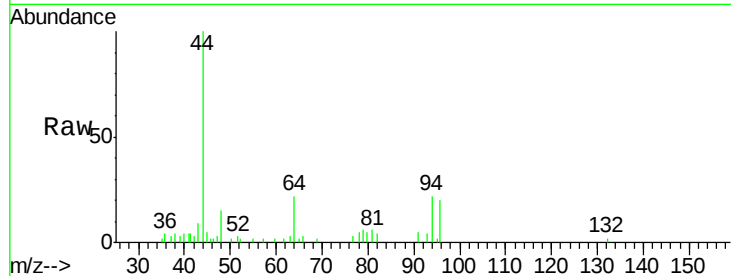
TB-01_061218

Tot Ion: 94 Resp: 1424

Ion Ratio Lower Upper

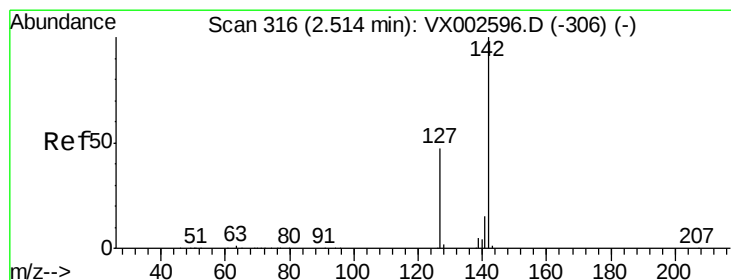
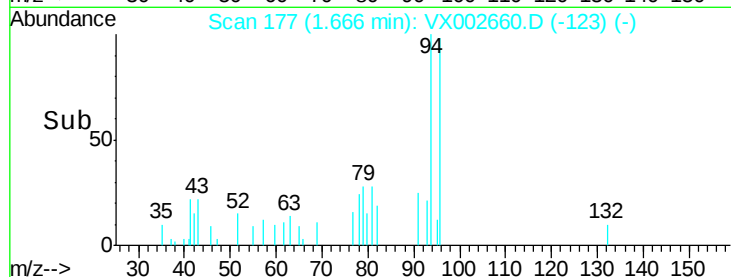
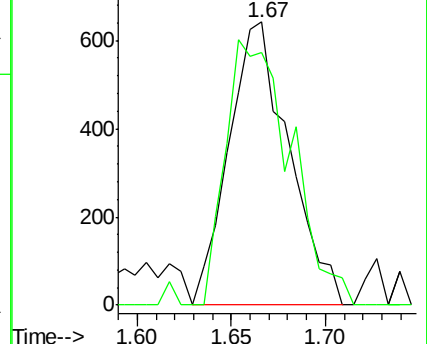
94 100

96 89.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.577 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

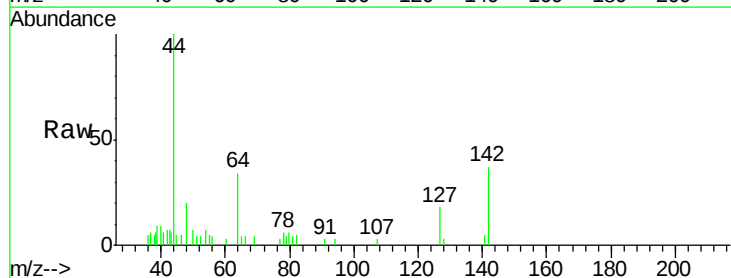
Tgt Ion:142 Resp: 1517

Ion Ratio Lower Upper

142 100

127 51.1 36.6 55.0

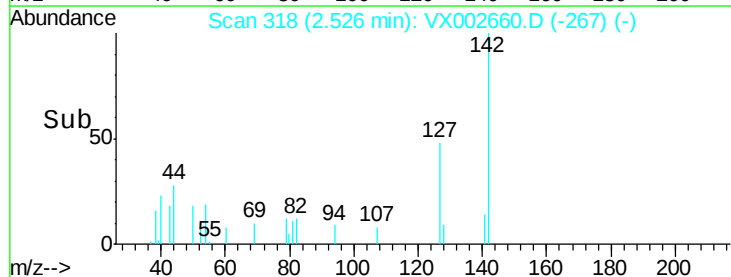
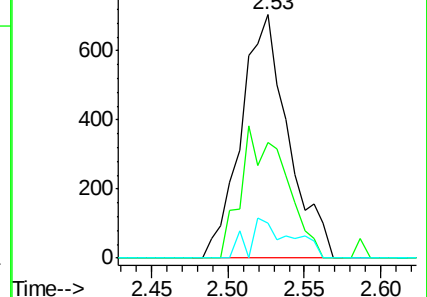
141 14.2 11.3 16.9

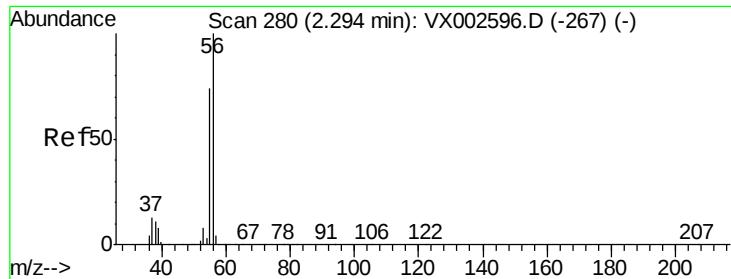


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 7.348 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

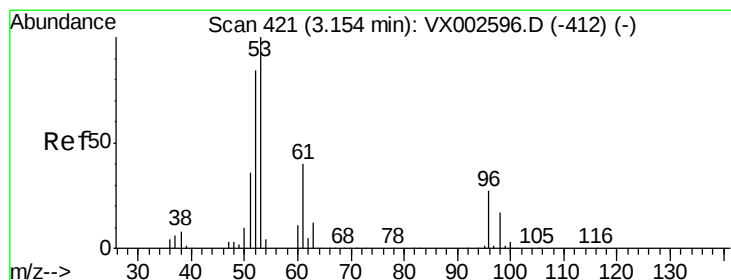
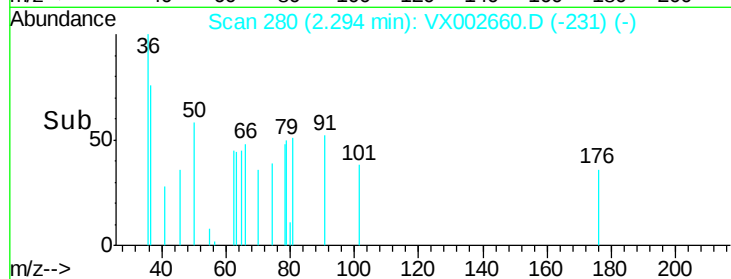
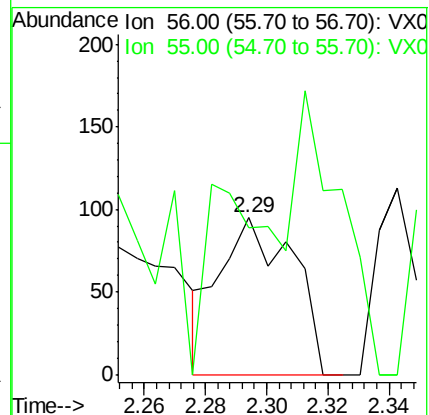
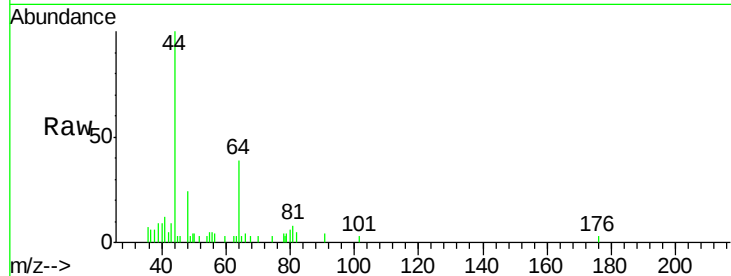
TB-01_061218

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 73.2 57.0 85.4



#15

Acrylonitrile

Concen: 0.217 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

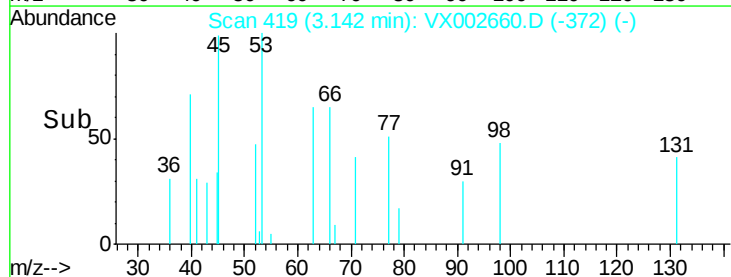
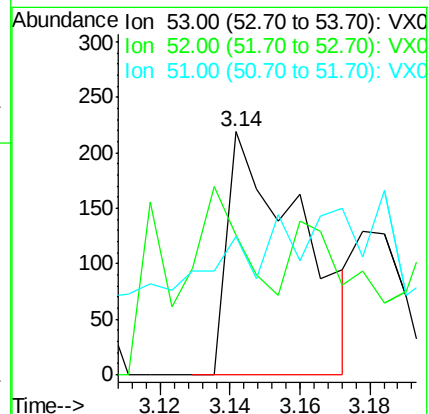
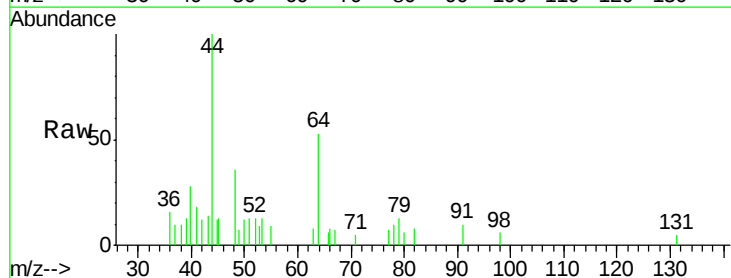
Tgt Ion: 53 Resp: 318

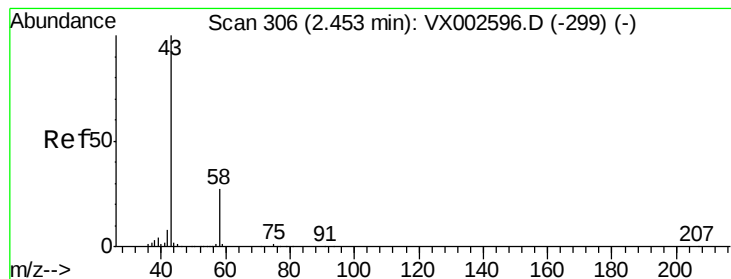
Ion Ratio Lower Upper

53 100

52 88.7 66.7 100.1

51 0.0 29.9 44.9#





#16

Acetone

Concen: 2.371 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

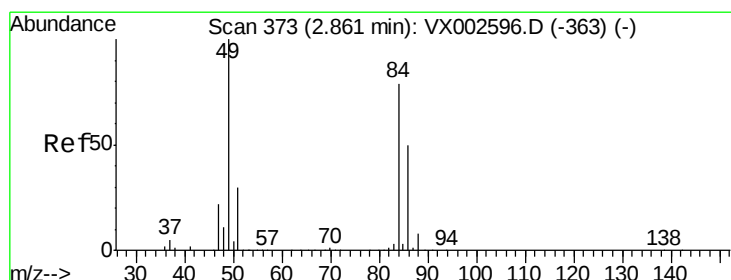
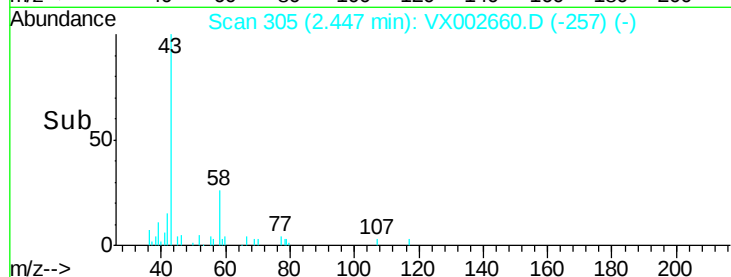
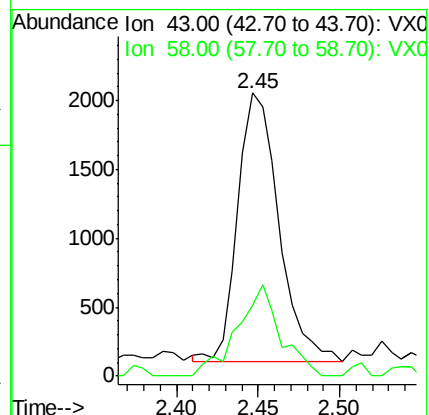
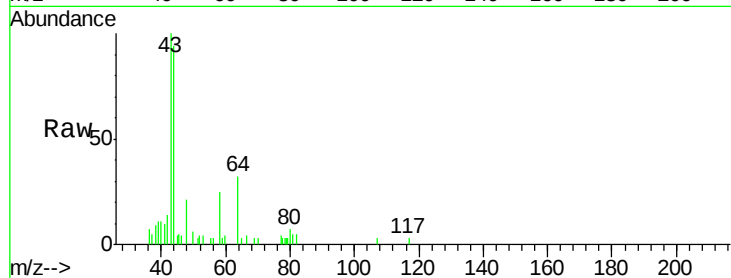
TB-01_061218

Tot Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1



#20

Methylene Chloride

Concen: 0.393 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Tgt Ion: 84 Resp: 1155

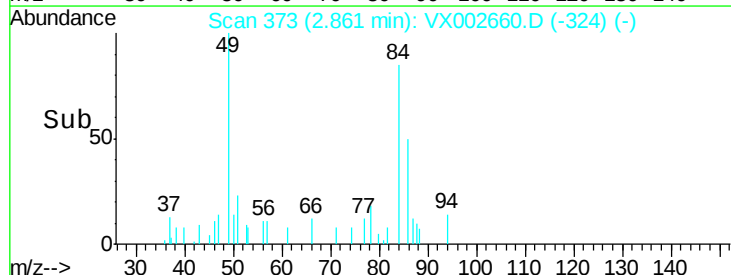
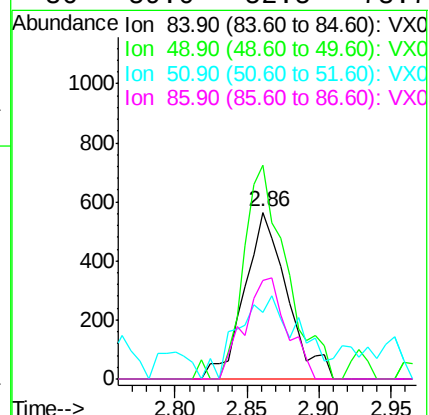
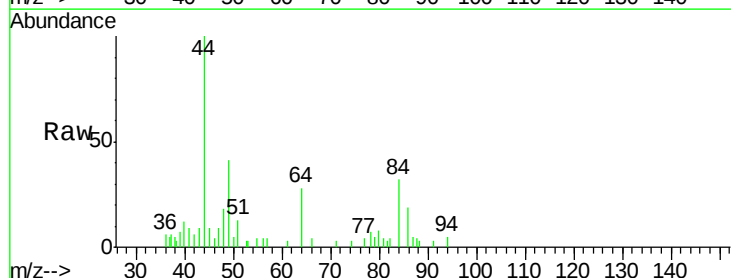
Ion Ratio Lower Upper

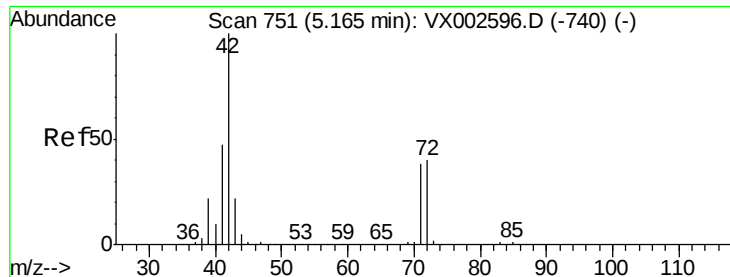
84 100

49 128.4 107.8 161.6

51 30.3 32.8 49.2#

86 59.0 52.5 78.7

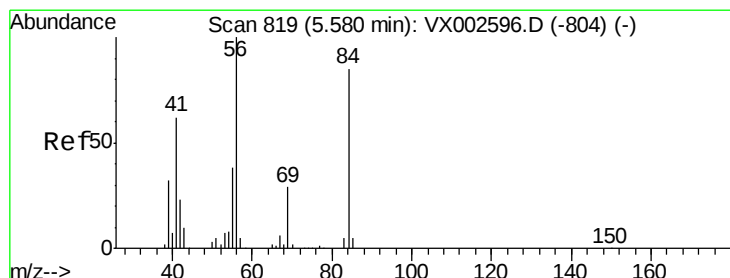
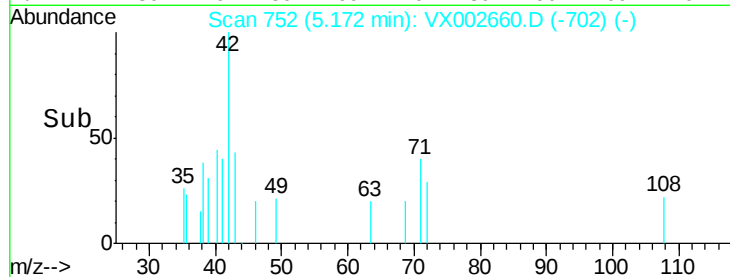
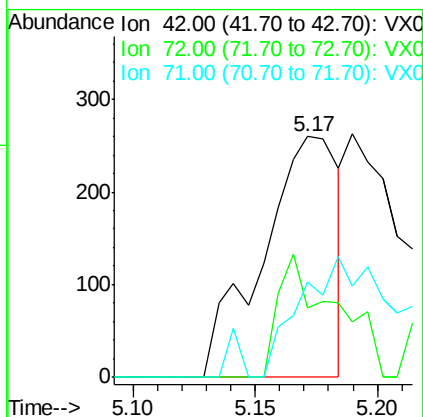
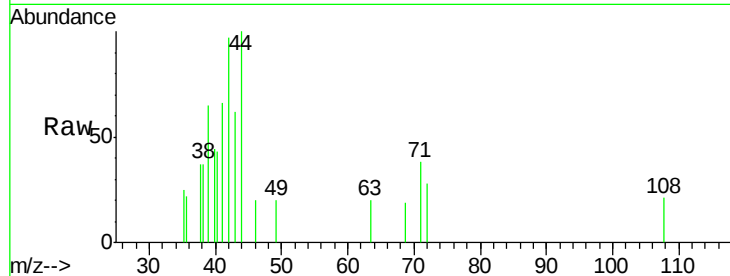




#29
Tetrahydrofuran
Concen: 0.459 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

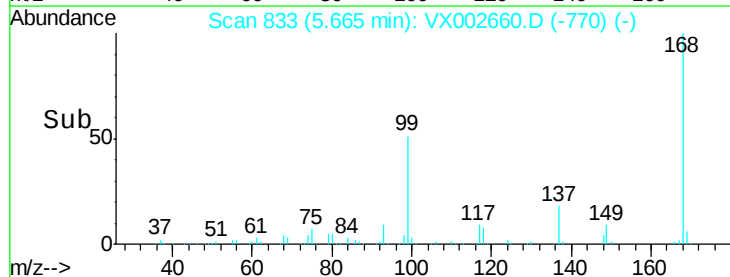
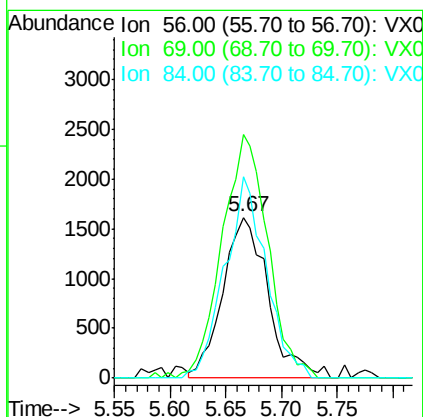
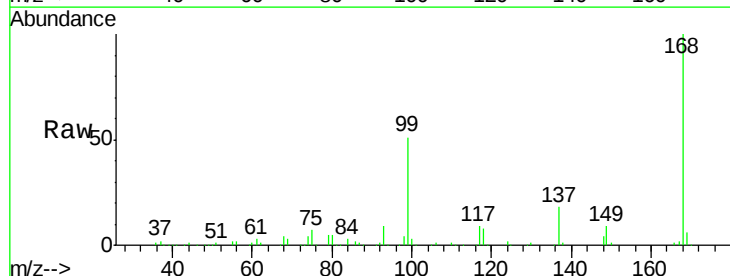
Instrument :
MSVOA_X
ClientSampled :
TB-01_061218

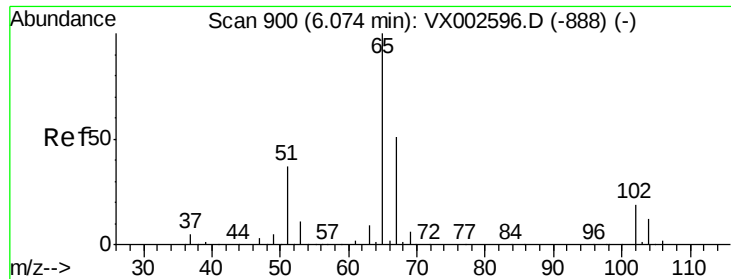
Tot Ion: 42 Resp: 566
Ion Ratio Lower Upper
42 100
72 38.2 32.0 48.0
71 57.6 30.1 45.1#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

Tgt Ion: 56 Resp: 4574
Ion Ratio Lower Upper
56 100
69 151.2 23.7 35.5#
84 125.1 64.1 96.1#

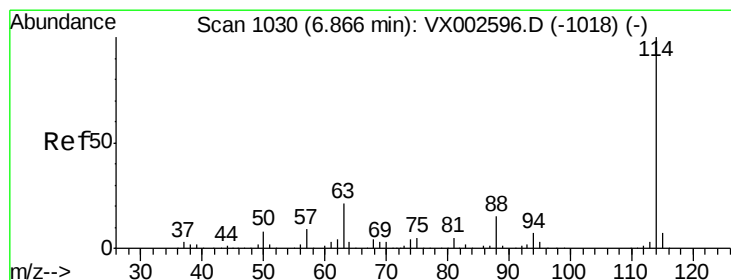
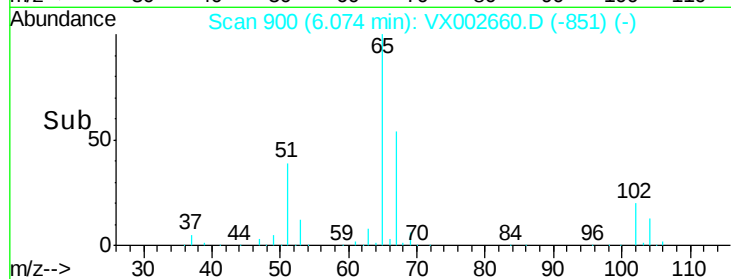
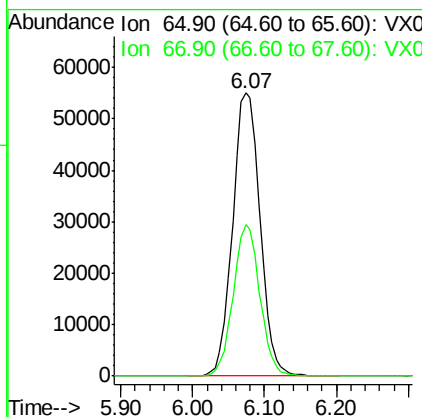
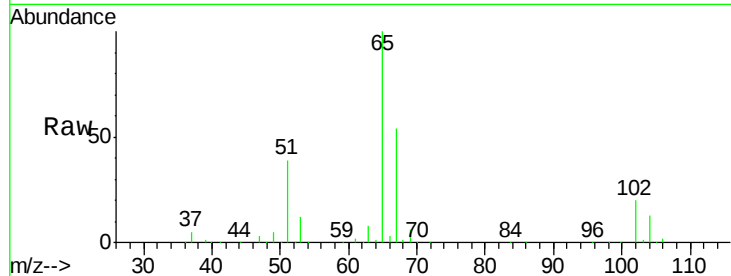




#33
 1,2-Dichloroethane-d4
 Concen: 44.919 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002660.D
 Acq: 16 Jun 2018 21:11

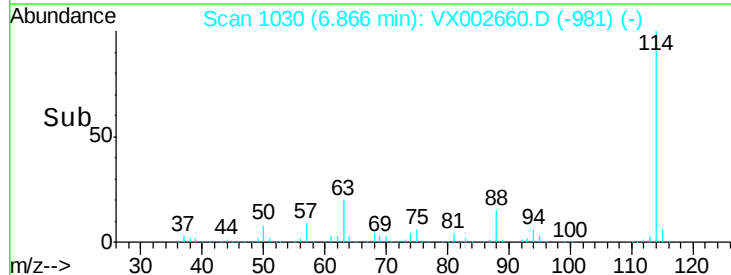
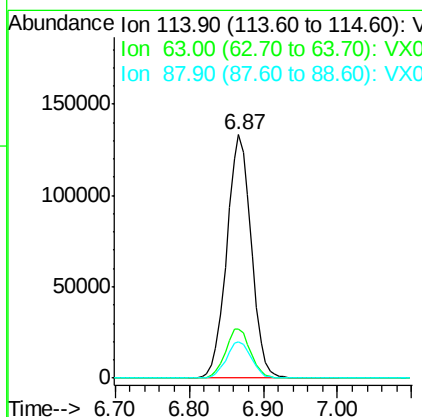
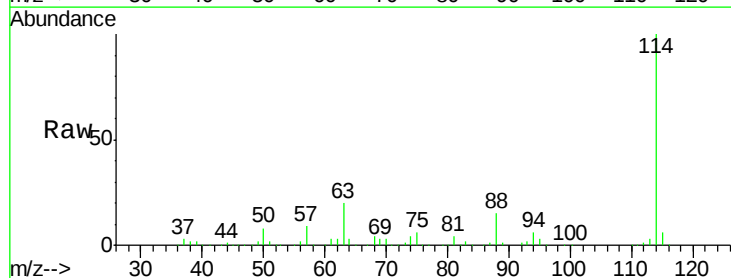
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01_061218

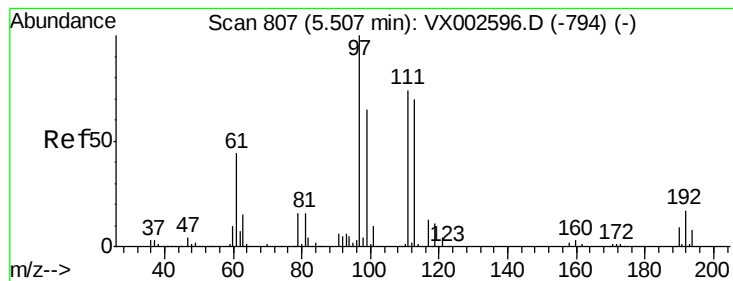
Tot Ion: 65 Resp: 146022
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002660.D
 Acq: 16 Jun 2018 21:11

Tgt Ion: 114 Resp: 306964
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.513 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01_061218

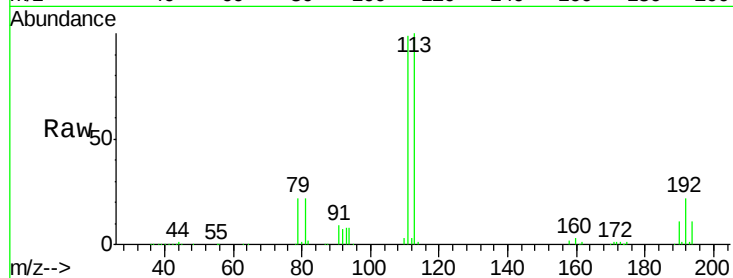
Tot Ion:113 Resp: 111500

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

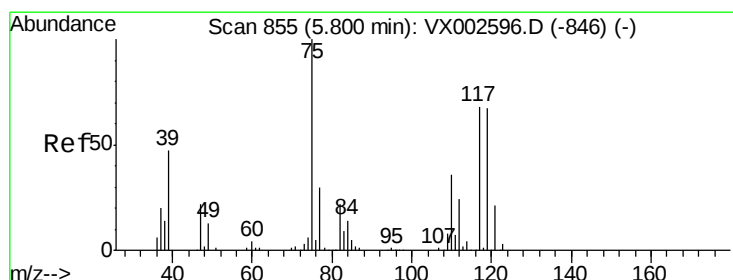
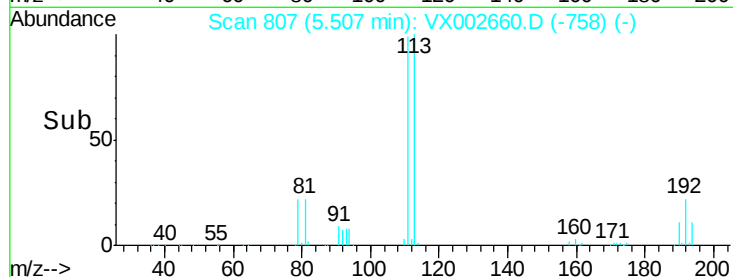
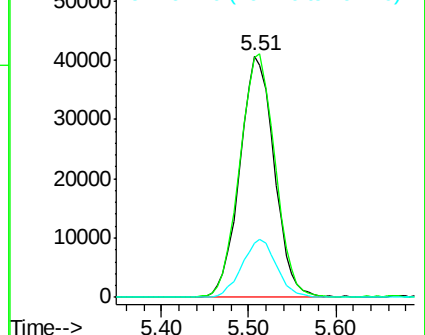
192 24.0 19.1 28.7



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: 4.454 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

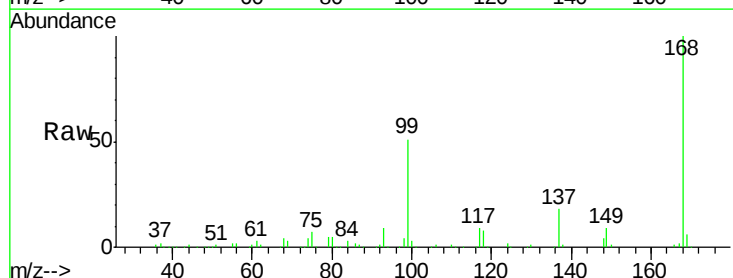
Tgt Ion: 75 Resp: 14521

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

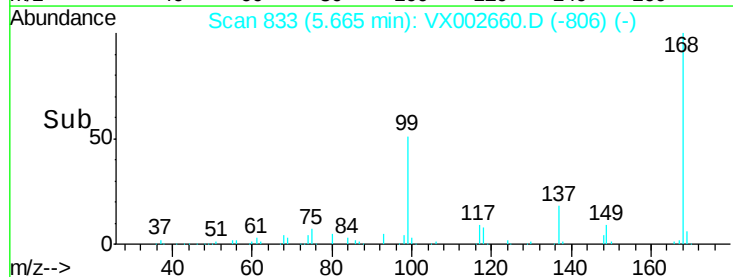
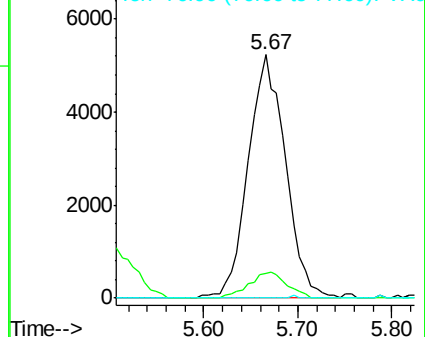
77 0.0 24.3 36.5#

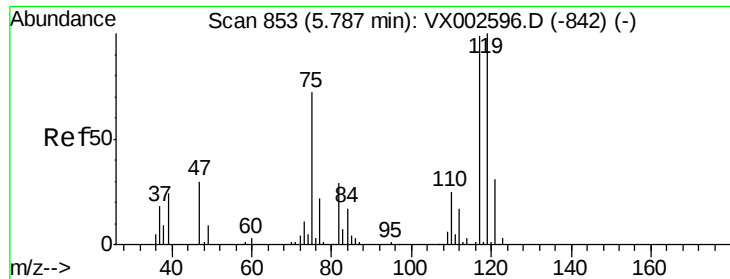


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

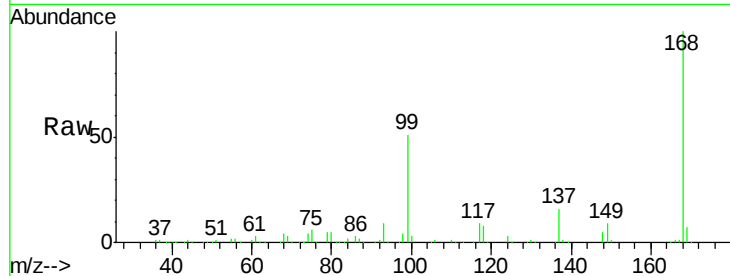




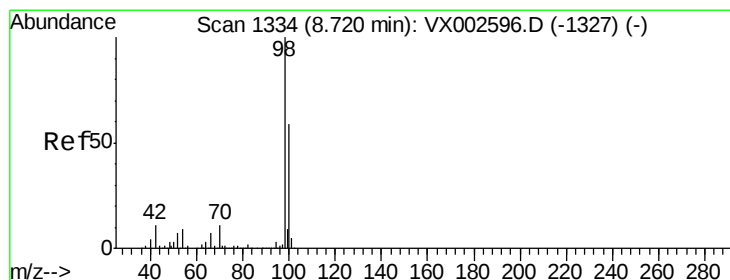
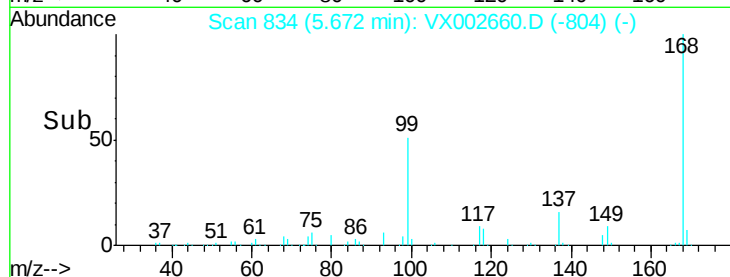
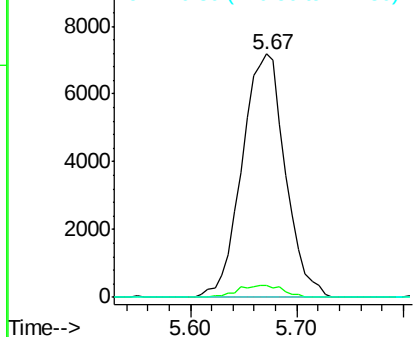
#38
Carbon Tetrachloride
Concen: 6.283 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
TB-01_061218

Tot Ion:117 Resp: 20396
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#

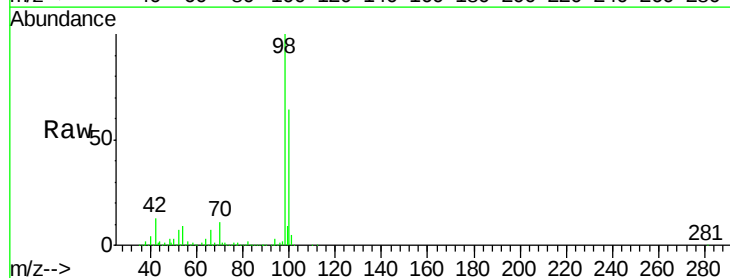


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

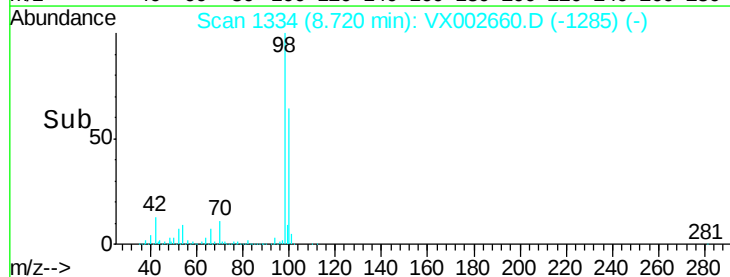
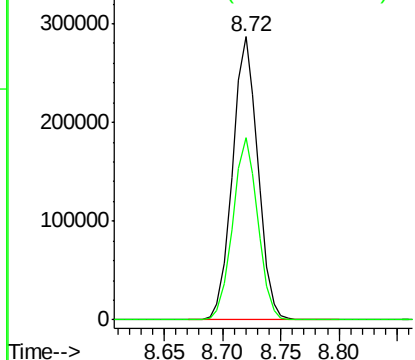


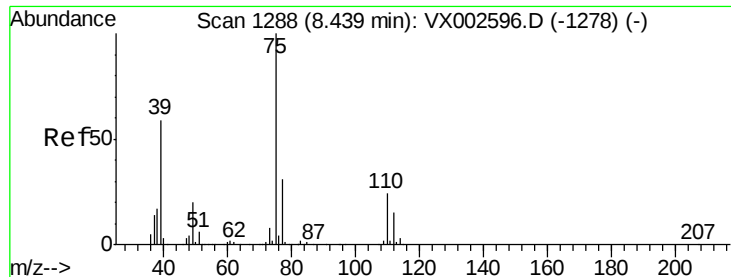
#50
Toluene-d8
Concen: 46.770 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

Tgt Ion: 98 Resp: 435055
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

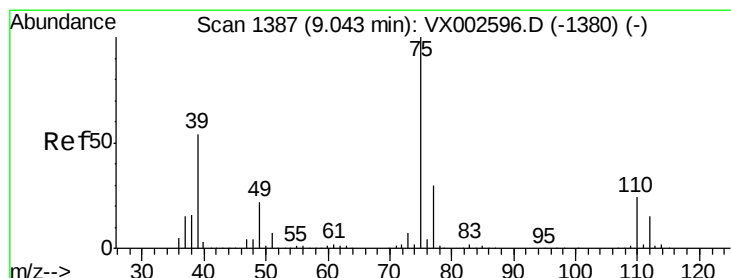
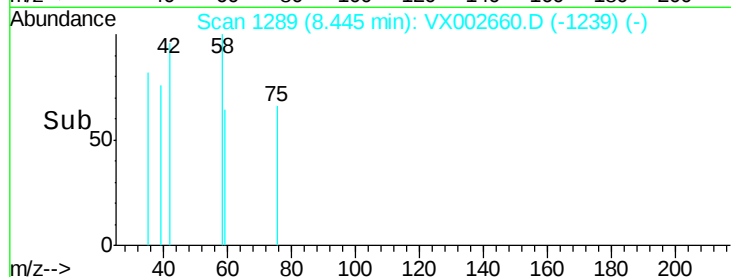
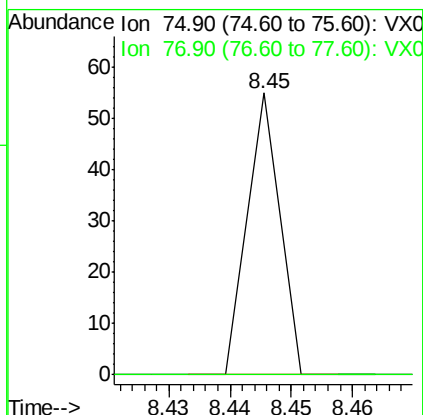
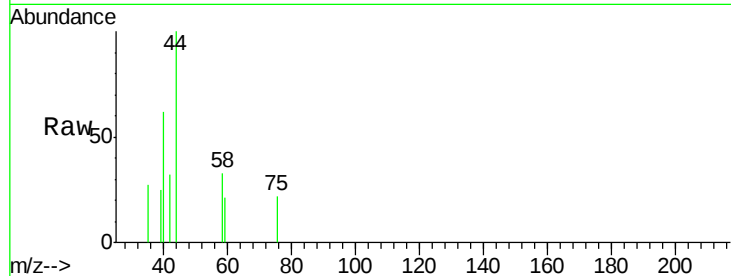




#53
 t-1,3-Dichloropropene
 Concen: 2.398 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX002660.D
 Acq: 16 Jun 2018 21:11

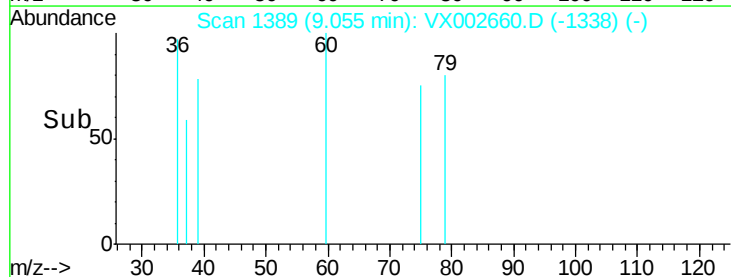
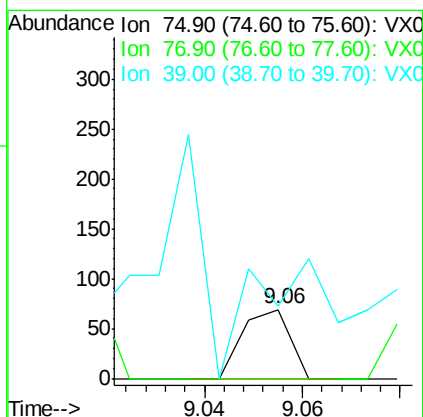
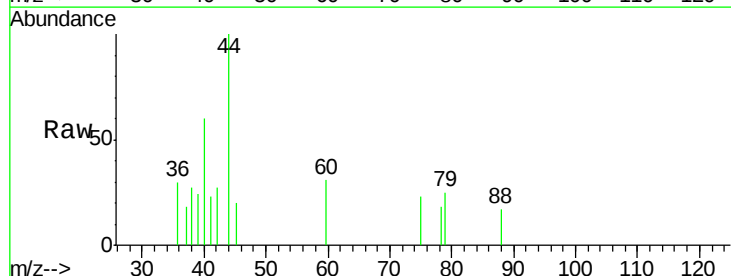
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01_061218

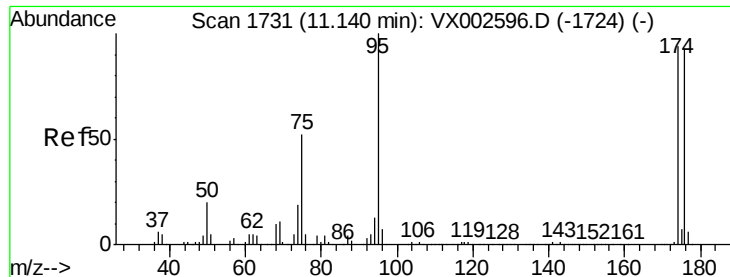
Tot Ion: 75 Resp: 20
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 3.224 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX002660.D
 Acq: 16 Jun 2018 21:11

Tgt Ion: 75 Resp: 47
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 23.2 42.4 63.6#

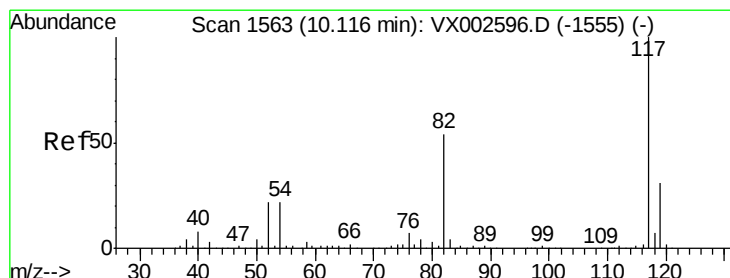
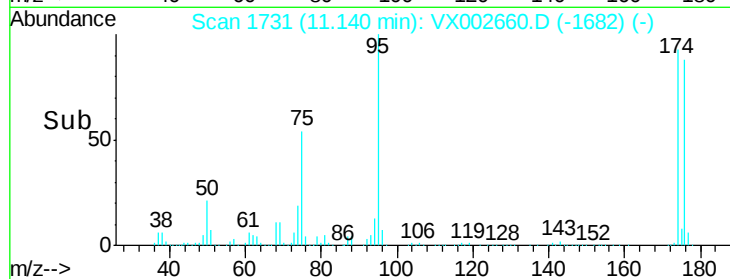
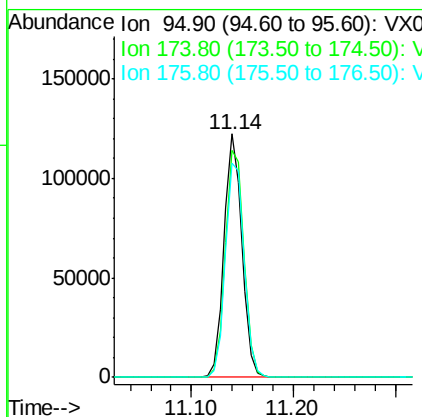
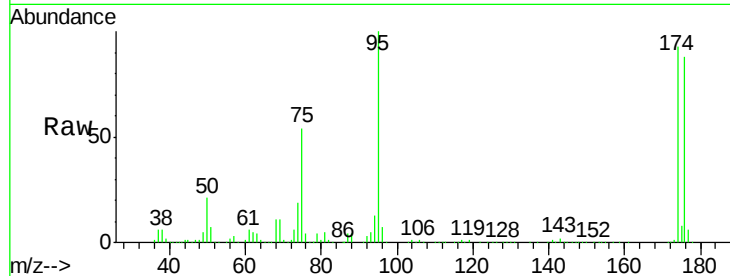




#62
4-Bromofluorobenzene
Concen: 42.192 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

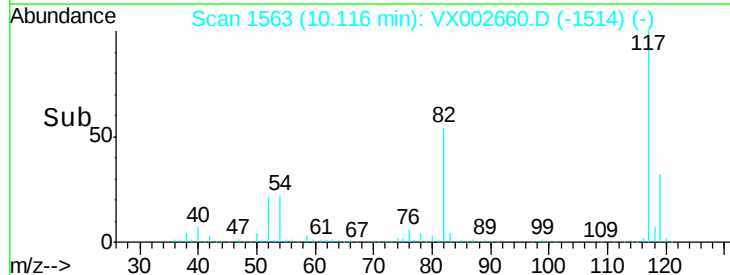
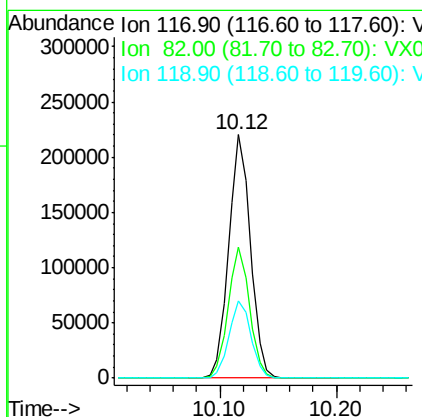
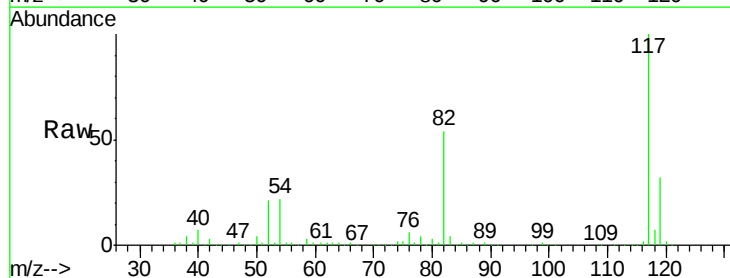
Instrument :
MSVOA_X
ClientSampleId :
TB-01_061218

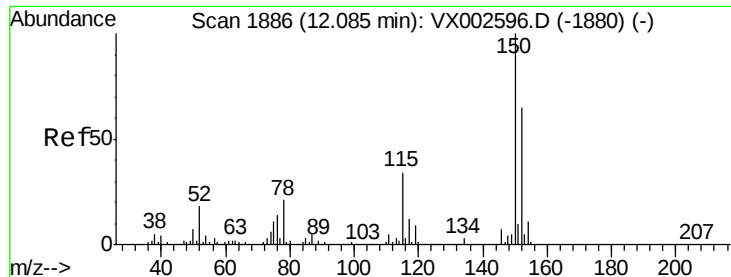
Tot Ion: 95 Resp: 148720
Ion Ratio Lower Upper
95 100
174 97.3 0.0 187.4
176 91.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002660.D
Acq: 16 Jun 2018 21:11

Tgt Ion: 117 Resp: 286839
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01_061218

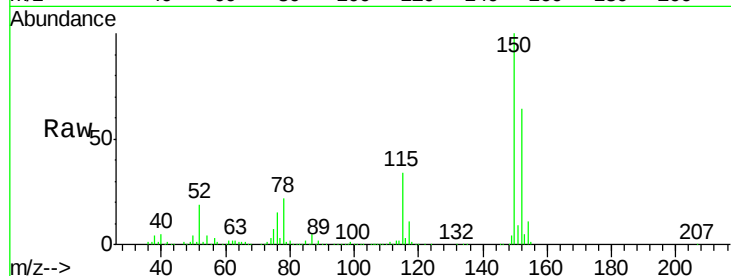
Tot Ion:152 Resp: 154887

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

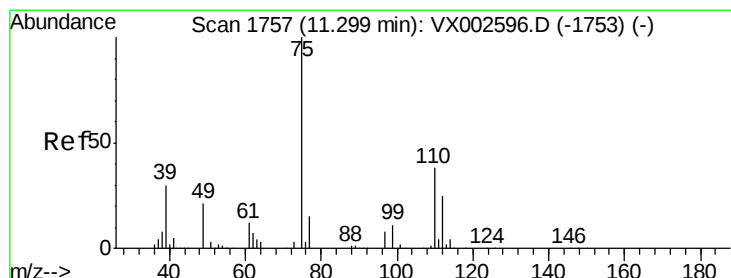
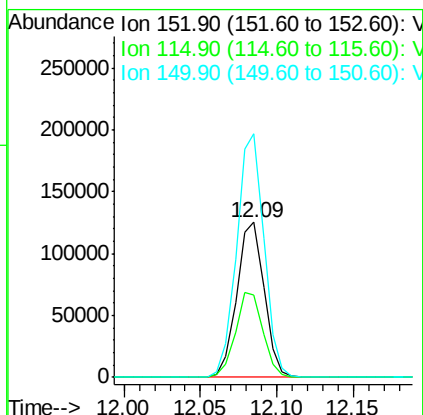
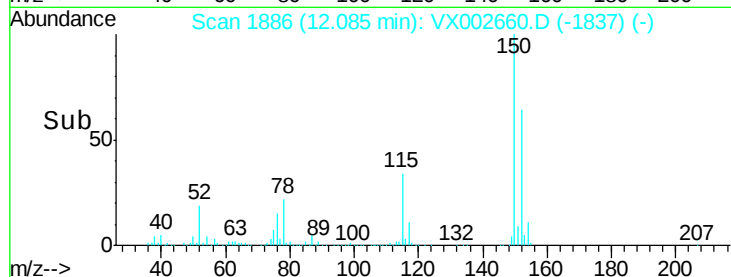
150 157.1 0.0 347.2



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: 27.259 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002660.D

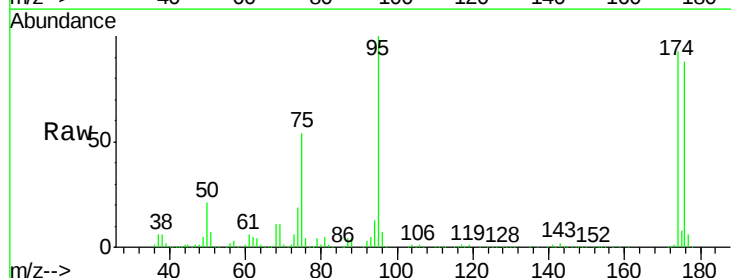
Acq: 16 Jun 2018 21:11

Tgt Ion: 75 Resp: 79669

Ion Ratio Lower Upper

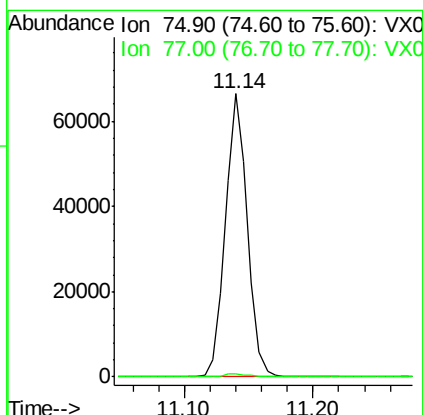
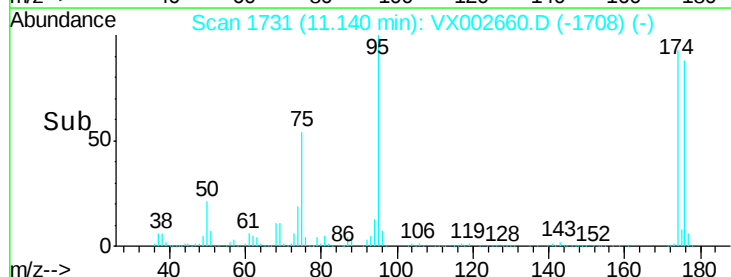
75 100

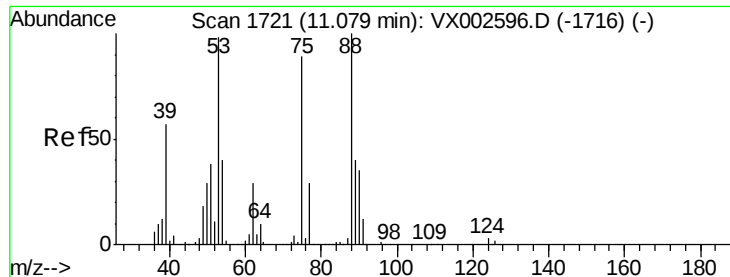
77 1.2 22.8 68.3#



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: 84.107 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01_061218

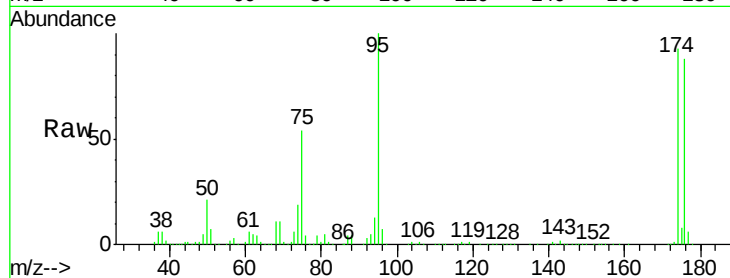
Tot Ion: 75 Resp: 79669

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

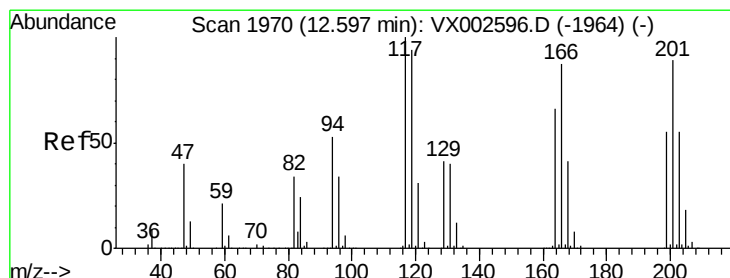
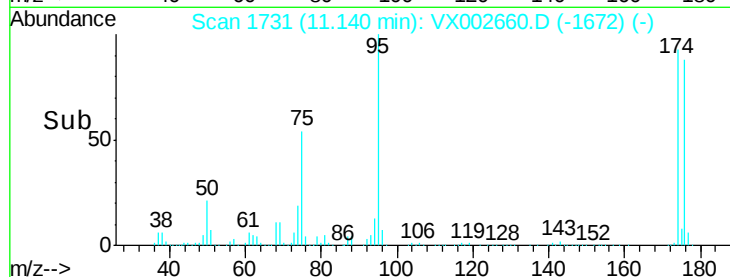
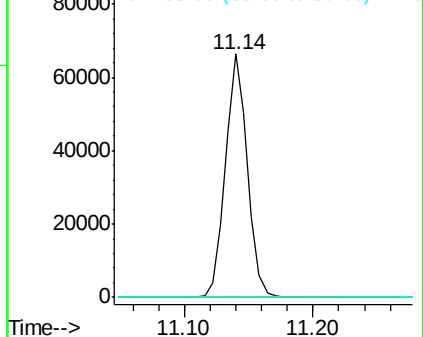
89 0.0 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.656 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX002660.D

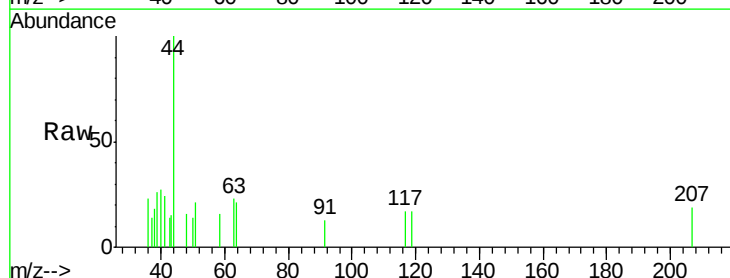
Acq: 16 Jun 2018 21:11

Tgt Ion: 117 Resp: 48

Ion Ratio Lower Upper

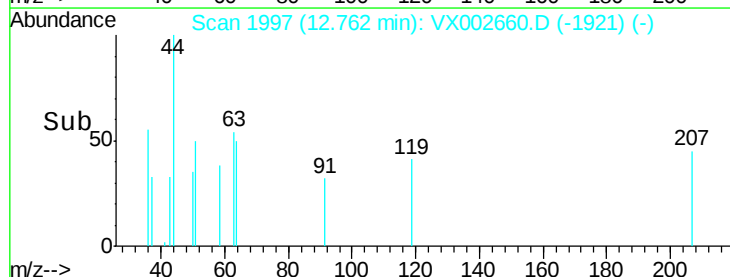
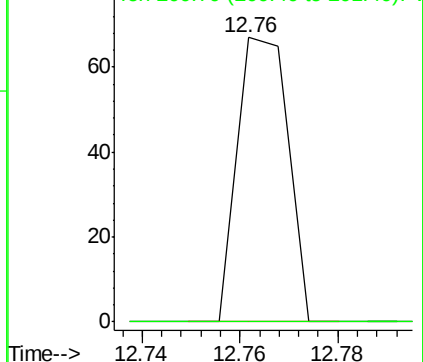
117 100

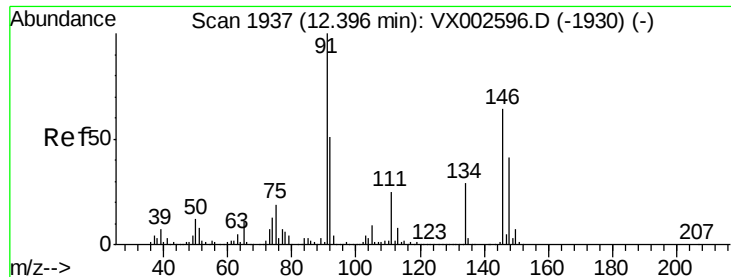
201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.227 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002660.D

Acq: 16 Jun 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01_061218

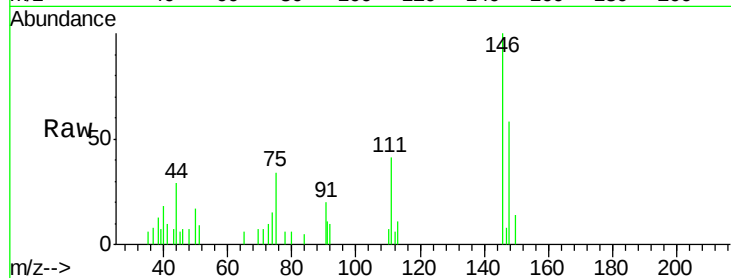
Tot Ion:146 Resp: 1210

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.1

148 69.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

