

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002666.D
 Acq On : 16 Jun 2018 23:50
 Operator : JC/MD
 Sample : J3485-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-8-10.0-061318

Quant Time: Jun 18 01:41:55 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	213985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	159710	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	147251	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
35) Dibromofluoromethane	5.51	113	114090	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	8.72	98	434582	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	11.14	95	150654	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

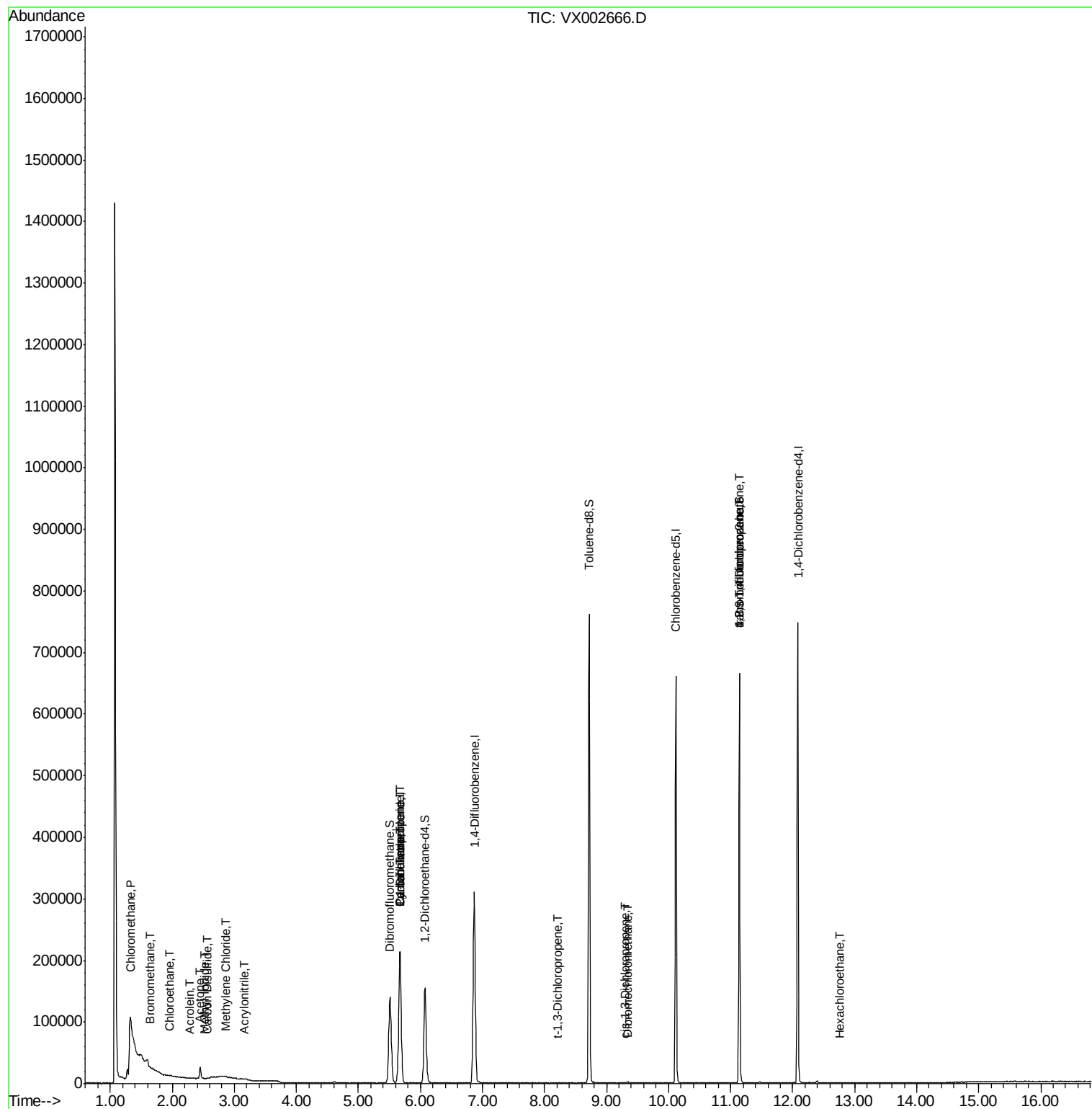
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5731	2.121	ug/l #	55
5) Bromomethane	1.65	94	656	0.388	ug/l	86
6) Chloroethane	1.95	64	1512	0.818	ug/l #	43
10) Methyl Iodide	2.52	142	833	5.398	ug/l #	61
13) Acrolein	2.29	56	347	7.934	ug/l #	83
15) Acrylonitrile	3.16	53	326	0.222	ug/l #	71
16) Acetone	2.45	43	20485	14.279	ug/l	99
17) Carbon Disulfide	2.57	76	2005	0.354	ug/l #	47
20) Methylene Chloride	2.86	84	772	0.262	ug/l #	78
31) Cyclohexane	5.67	56	4647	1.211	ug/l #	6
36) 1,1-Dichloropropene	5.67	75	14659	4.516	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19654	6.081	ug/l #	16
53) t-1,3-Dichloropropene	8.21	75	20	2.398	ug/l #	43
54) cis-1,3-Dichloropropene	9.31	75	38	3.222	ug/l #	16
60) Dibromochloromethane	9.34	129	264	3.847	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	79786	26.474	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	79786	81.807	ug/l #	6
90) Hexachloroethane	12.76	117	191	2.743	ug/l #	1

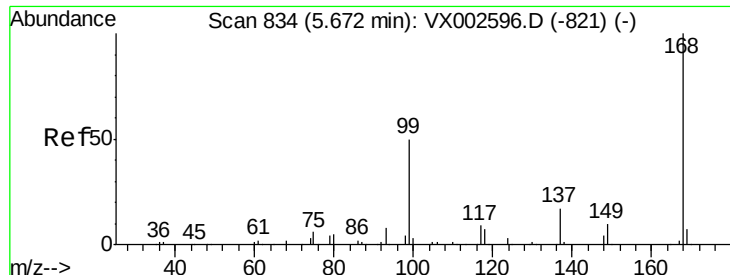
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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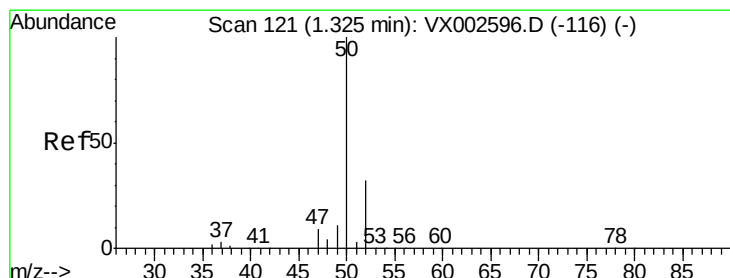
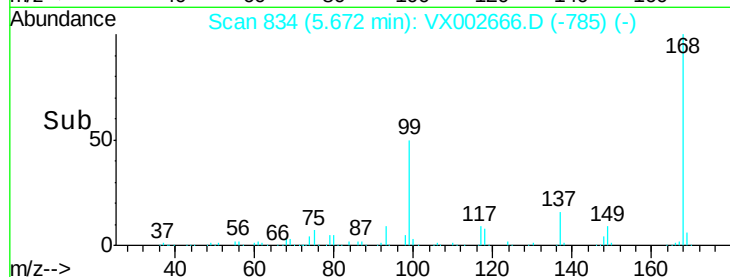
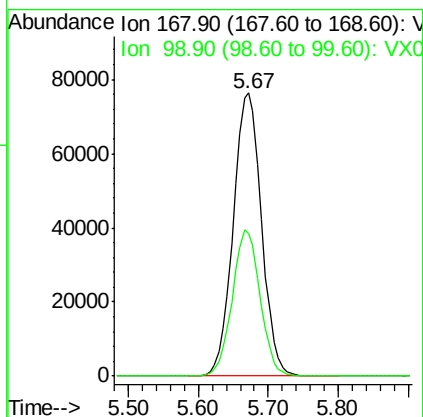
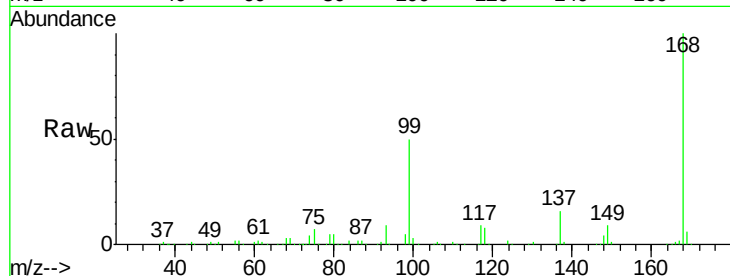




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

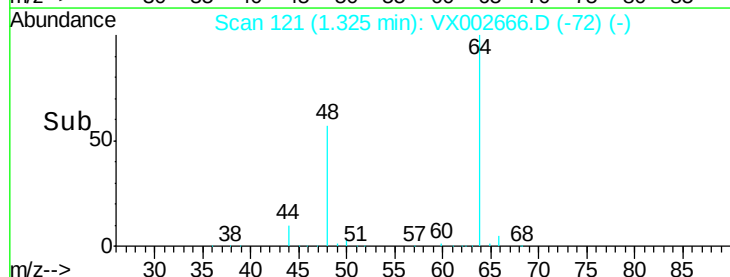
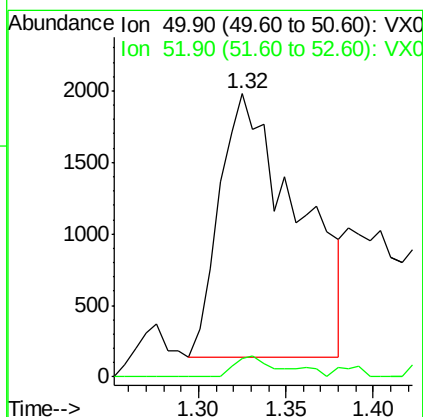
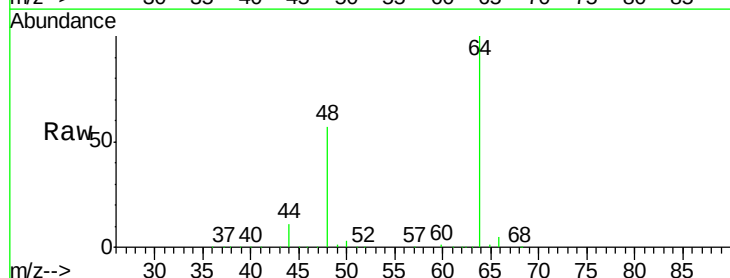
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-8-10.0-061318

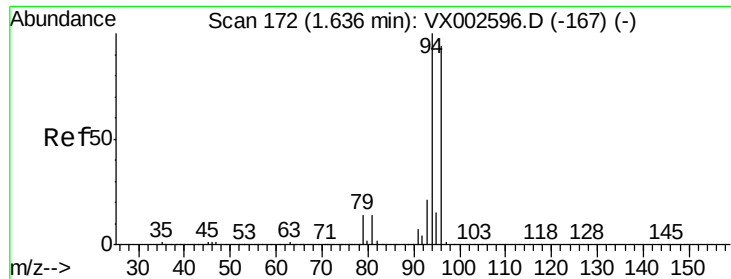
Tot Ion:168 Resp: 213985
Ion Ratio Lower Upper
168 100
99 50.4 39.3 58.9



#3
Chloromethane
Concen: 2.121 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

Tgt Ion: 50 Resp: 5731
Ion Ratio Lower Upper
50 100
52 7.1 25.7 38.5#





#5

Bromomethane

Concen: 0.388 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

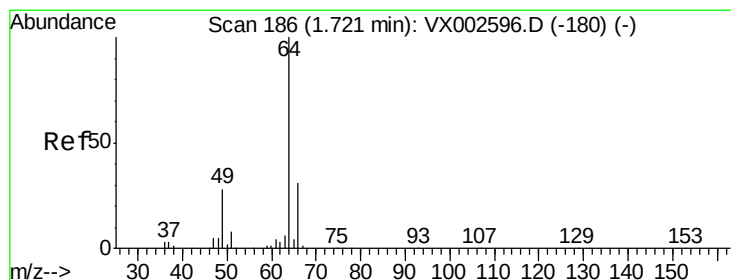
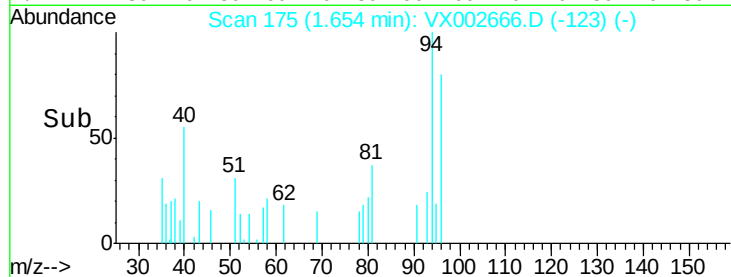
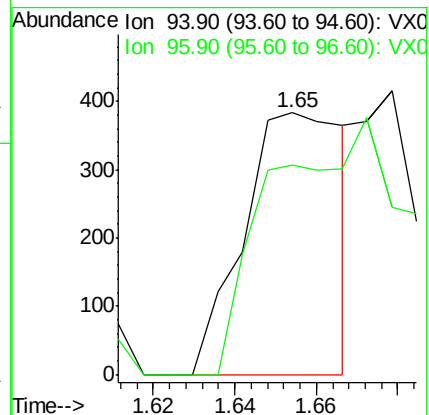
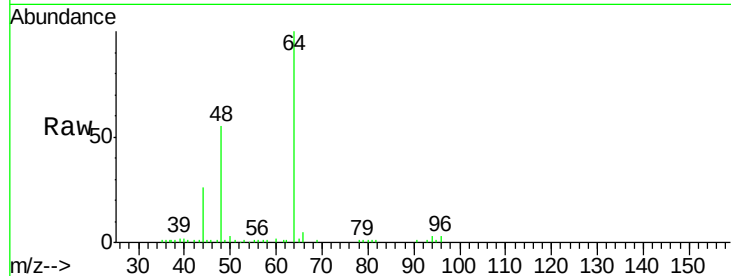
T11-MW-8-10.0-061318

Tot Ion: 94 Resp: 656

Ion Ratio Lower Upper

94 100

96 79.9 74.9 112.3



#6

Chloroethane

Concen: 0.818 ug/l

RT: 1.95 min Scan# 224

Delta R.T. 0.23 min

Lab File: VX002666.D

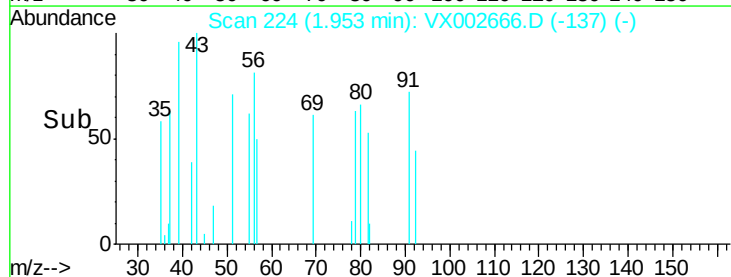
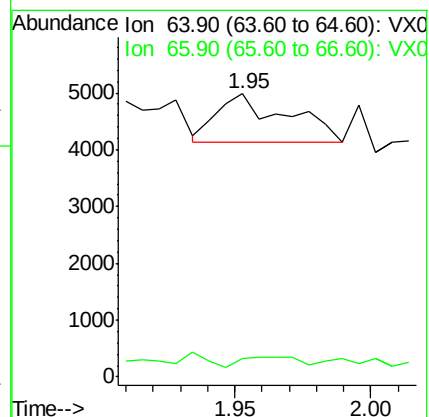
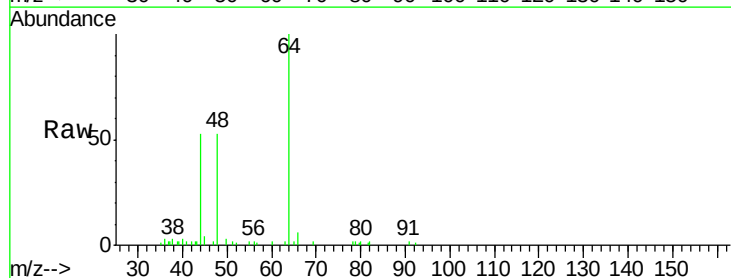
Acq: 16 Jun 2018 23:50

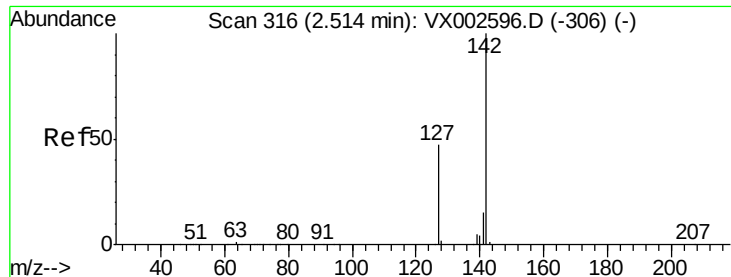
Tgt Ion: 64 Resp: 1512

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

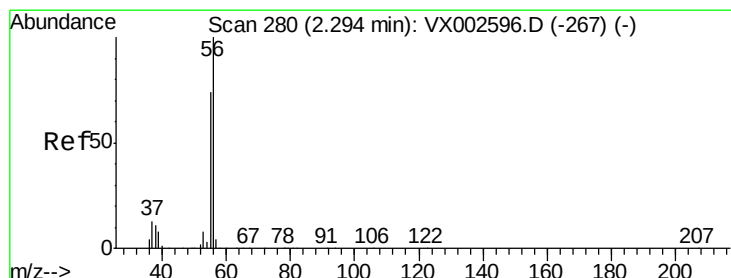
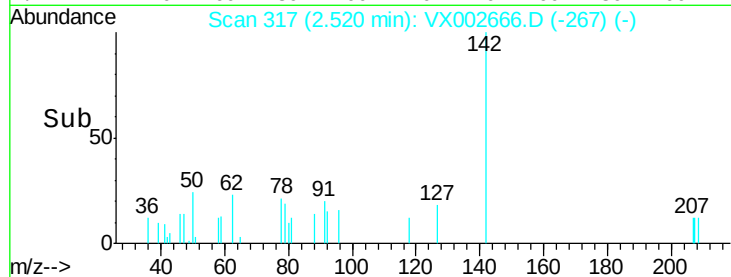
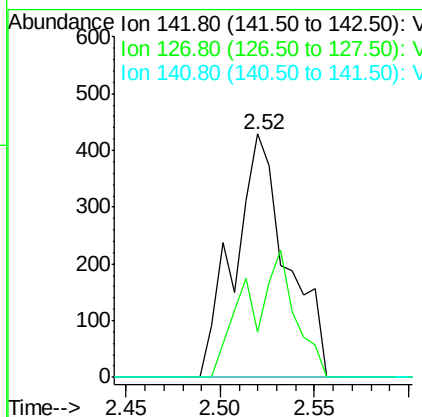
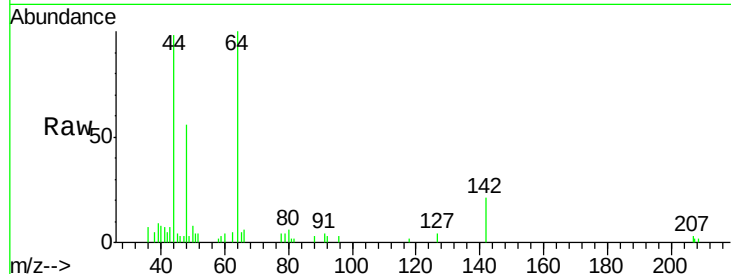




#10
Methvl Iodide
Concen: 5.398 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

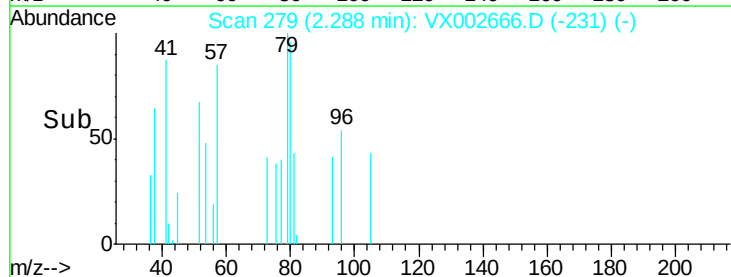
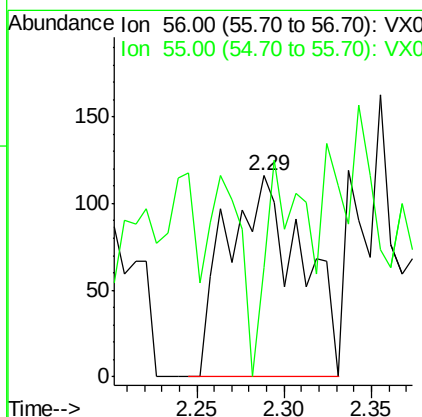
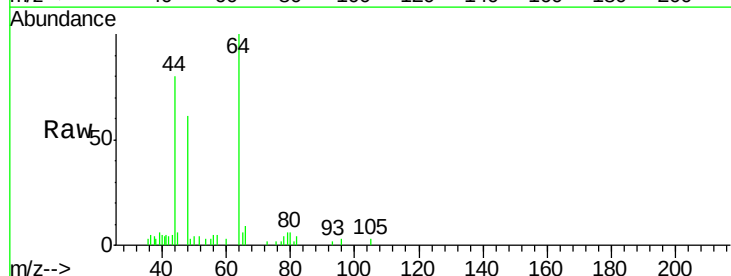
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-8-10.0-061318

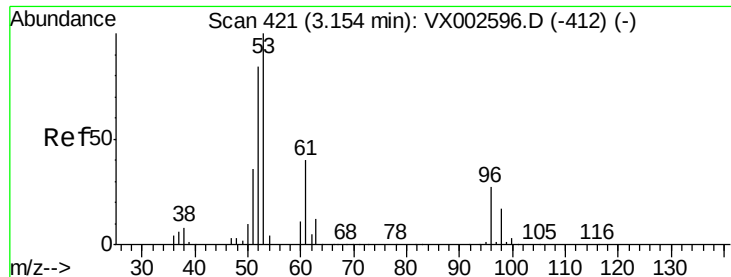
Tot Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
127 18.8 36.6 55.0#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 7.934 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 56.8 57.0 85.4#





#15

Acrylonitrile

Concen: 0.222 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-8-10.0-061318

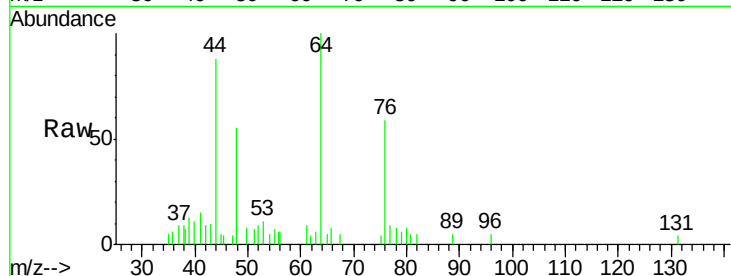
Tot Ion: 53 Resp: 326

Ion Ratio Lower Upper

53 100

52 52.8 66.7 100.1#

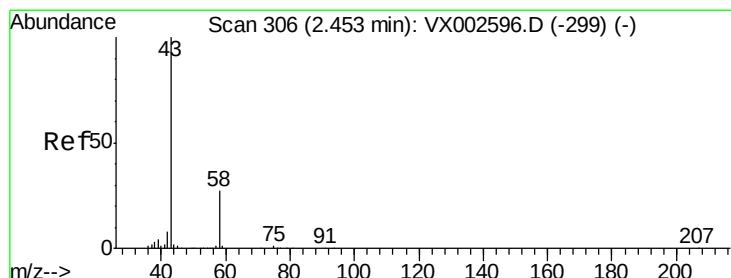
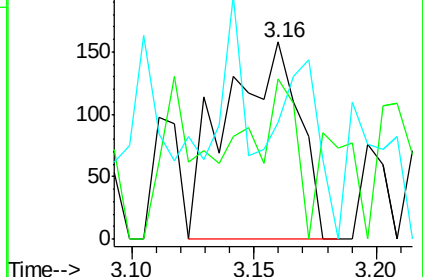
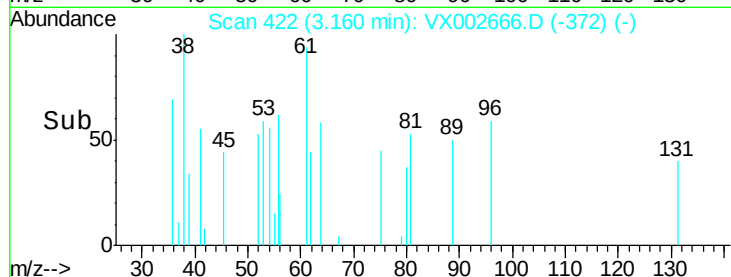
51 47.5 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 14.279 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002666.D

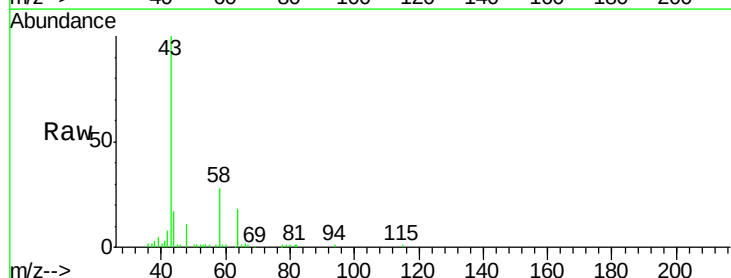
Acq: 16 Jun 2018 23:50

Tgt Ion: 43 Resp: 20485

Ion Ratio Lower Upper

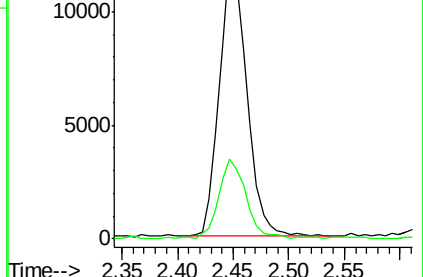
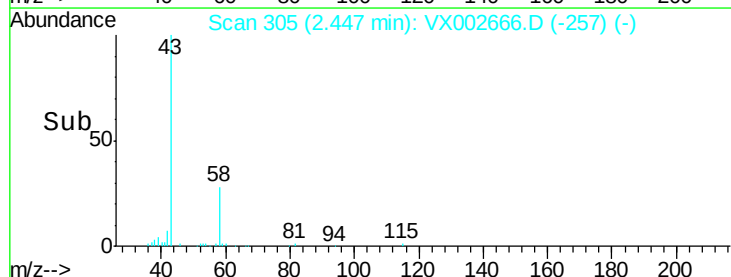
43 100

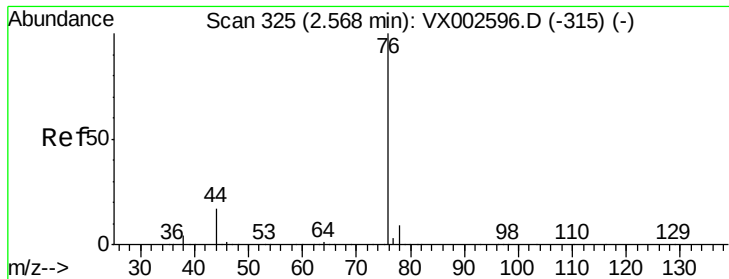
58 27.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.354 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

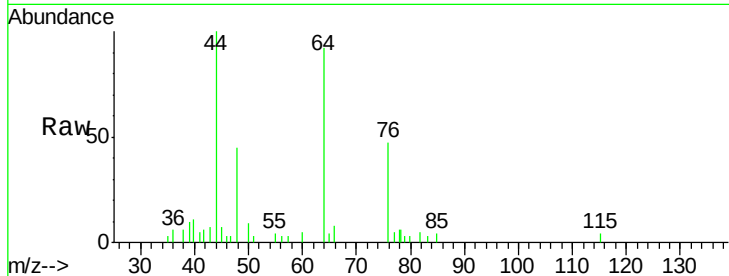
T11-MW-8-10.0-061318

Tot Ion: 76 Resp: 2005

Ion Ratio Lower Upper

76 100

78 27.4 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1200

1000

800

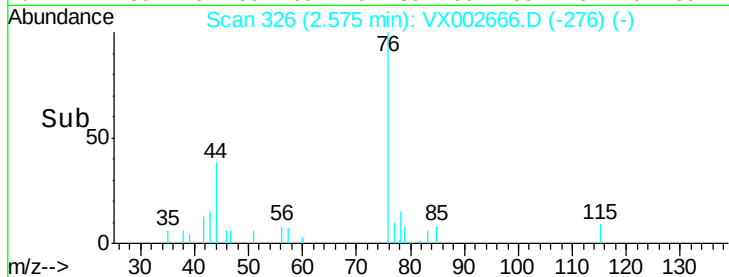
600

400

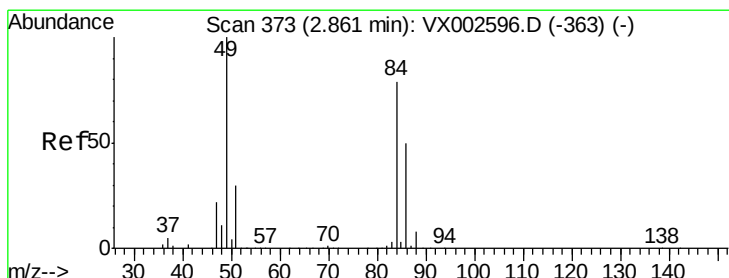
200

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

Tgt Ion: 84 Resp: 772

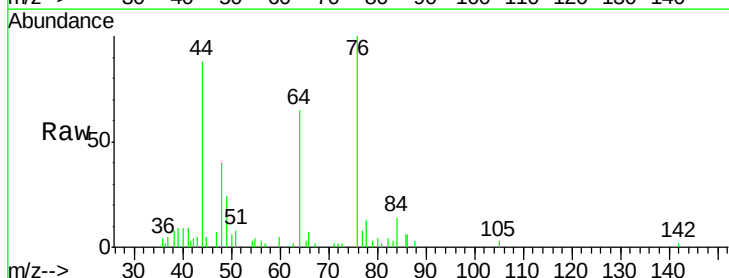
Ion Ratio Lower Upper

84 100

49 165.8 107.8 161.6#

51 37.3 32.8 49.2

86 84.9 52.5 78.7#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

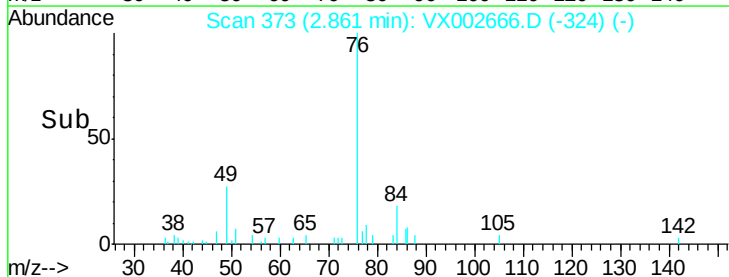
600

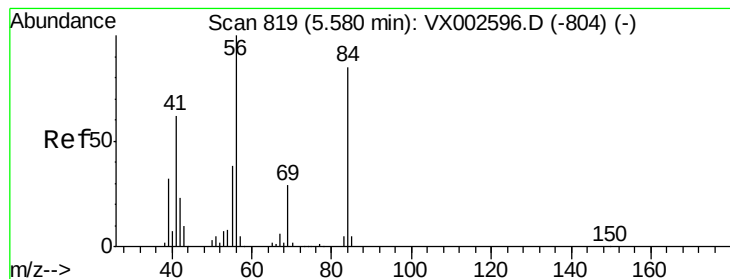
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

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ClientSampleId :

T11-MW-8-10.0-061318

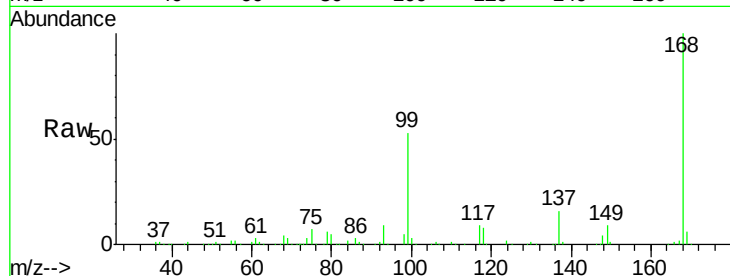
Tot Ion: 56 Resp: 4647

Ion Ratio Lower Upper

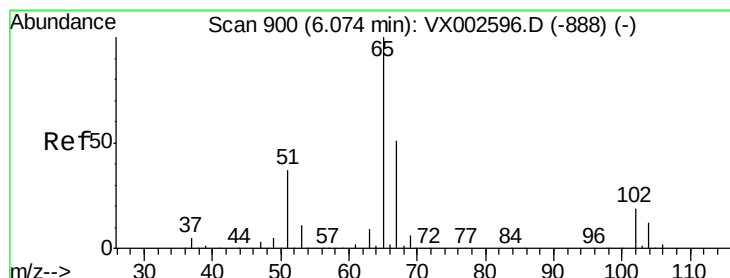
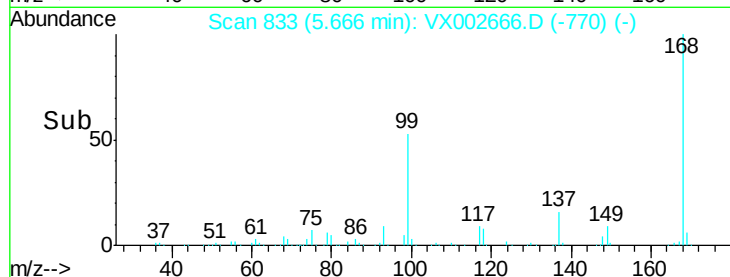
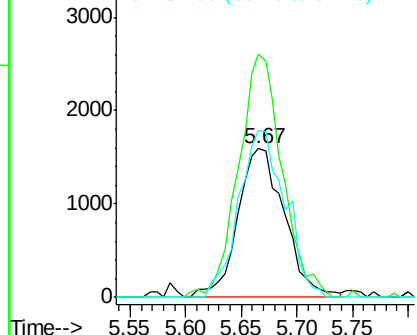
56 100

69 163.7 23.7 35.5#

84 112.3 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.283 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002666.D

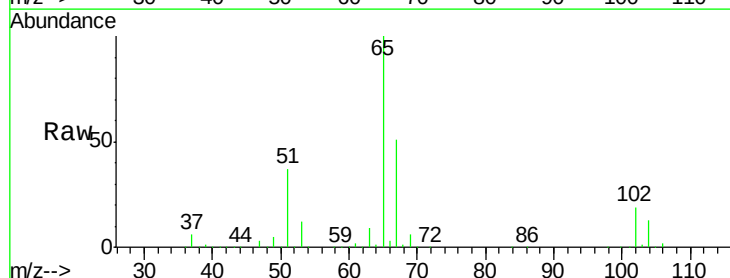
Acq: 16 Jun 2018 23:50

Tgt Ion: 65 Resp: 147251

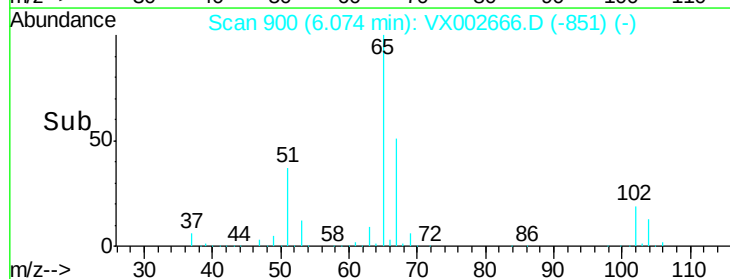
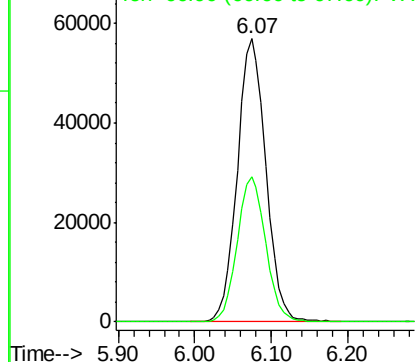
Ion Ratio Lower Upper

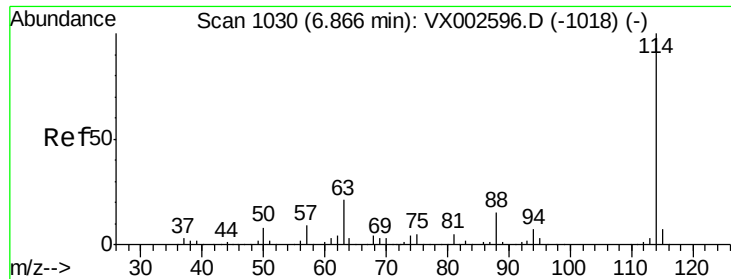
65 100

67 51.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

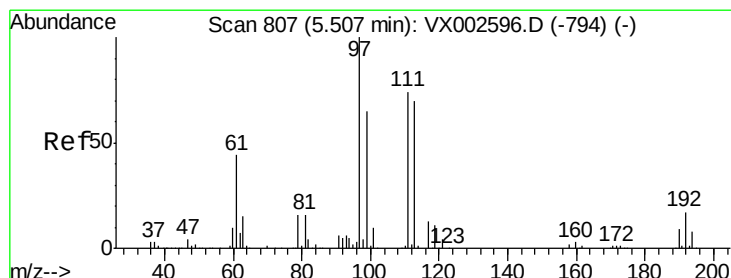
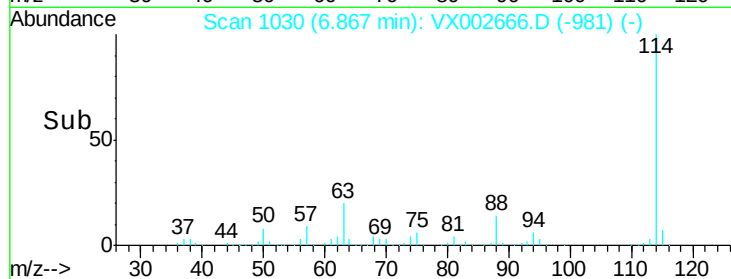
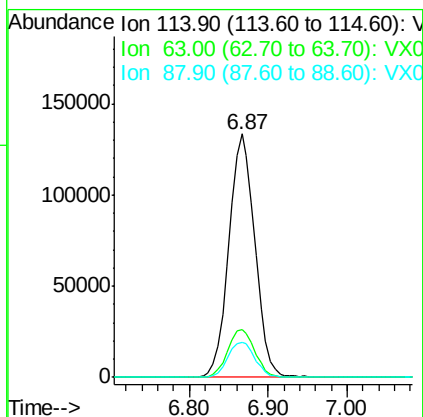
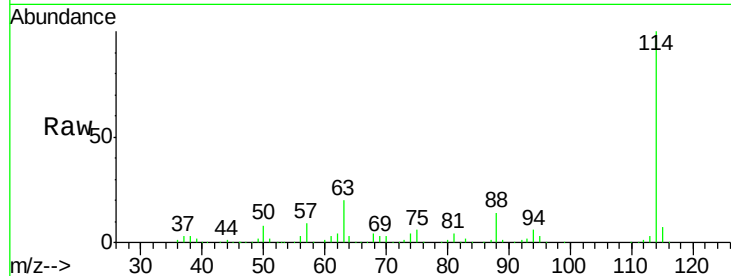




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

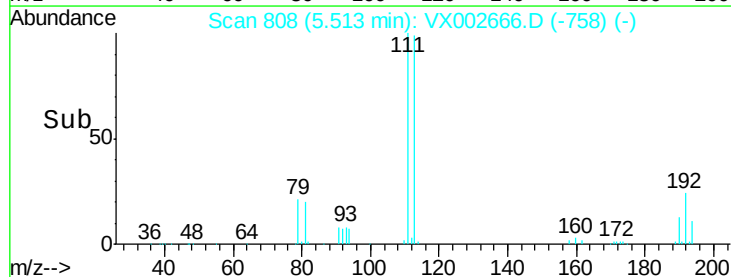
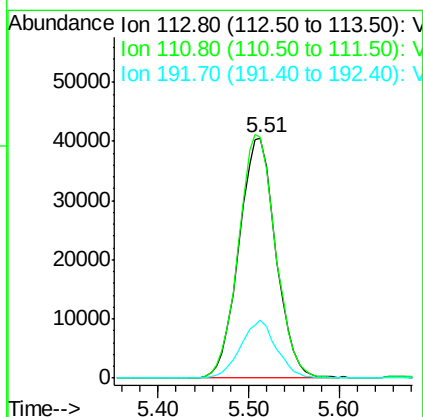
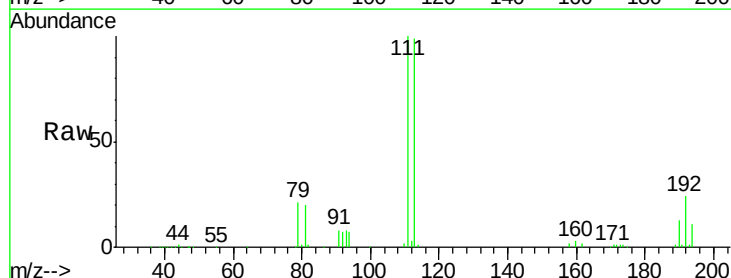
Instrument :
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 T11-MW-8-10.0-061318

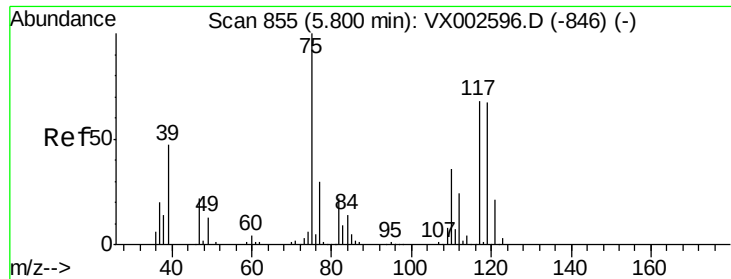
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	14.1	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 46.777 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	23.3	19.1	28.7

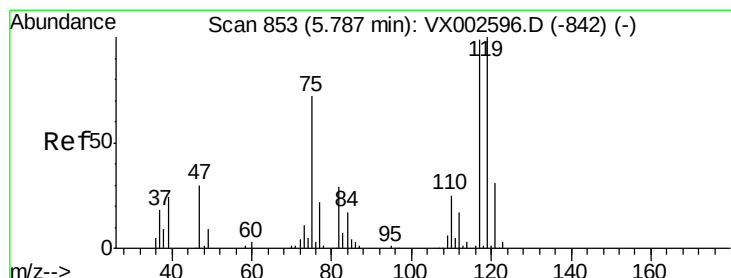
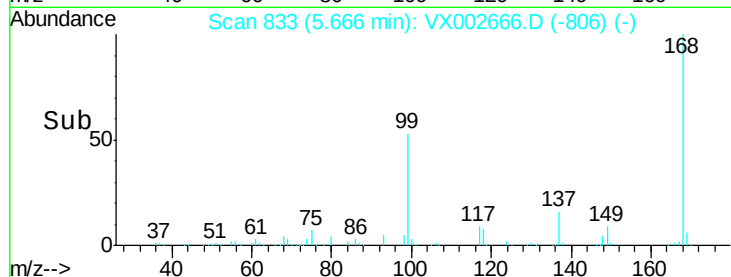
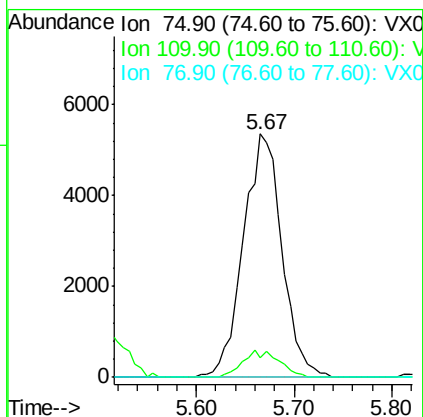
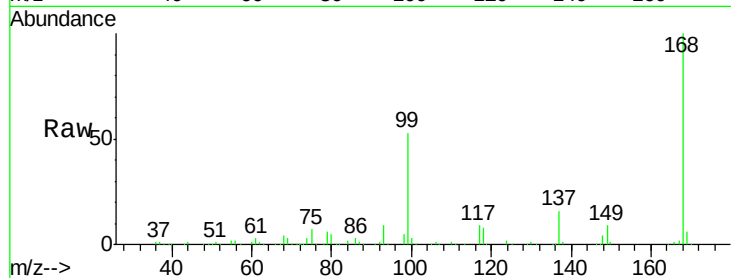




#36
 1,1-Dichloropropene
 Concen: 4.516 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

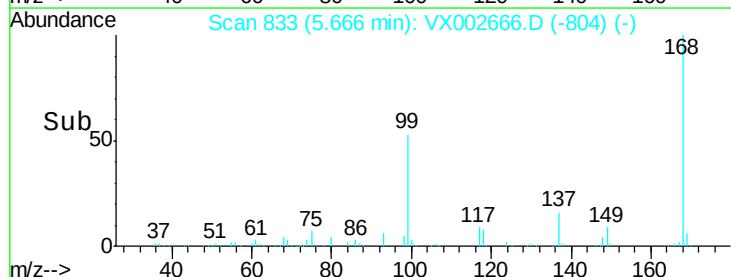
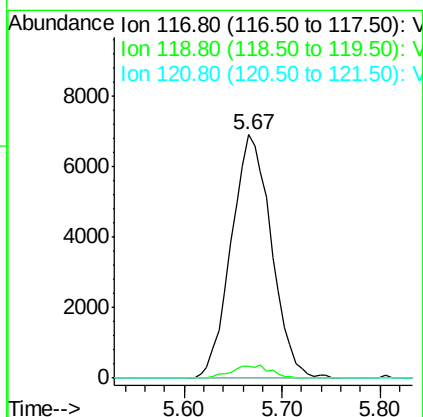
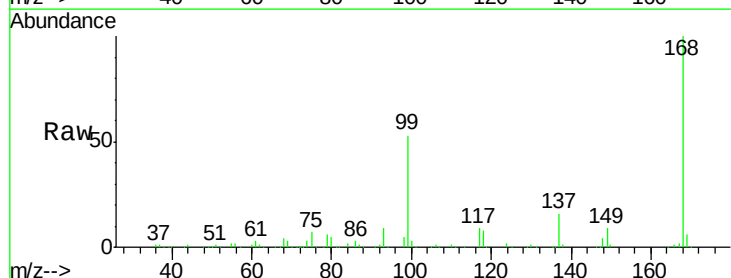
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-8-10.0-061318

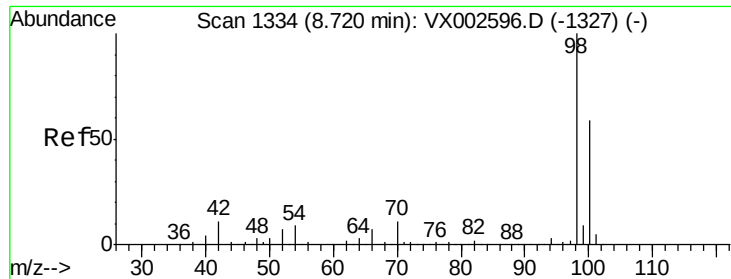
Tot Ion	75	Resp	14659
Ion Ratio	100	Lower	Upper
75	100		
110	10.3	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.081 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

Tgt Ion	117	Resp	19654
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	77.4	116.0#
121	0.0	24.4	36.6#

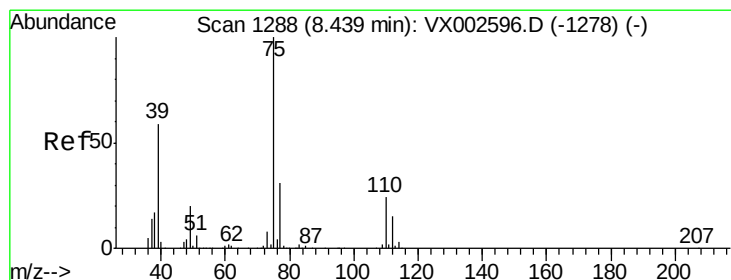
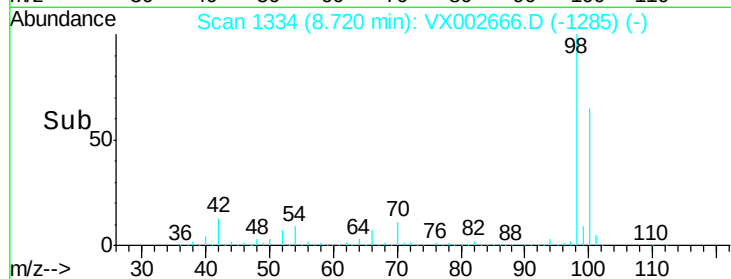
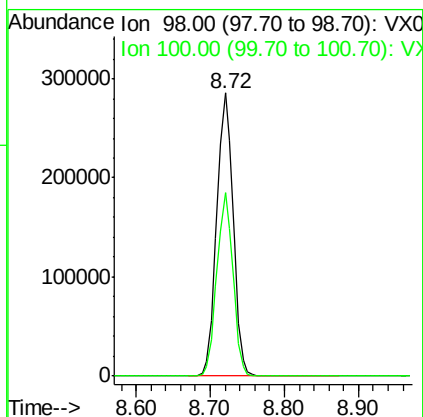
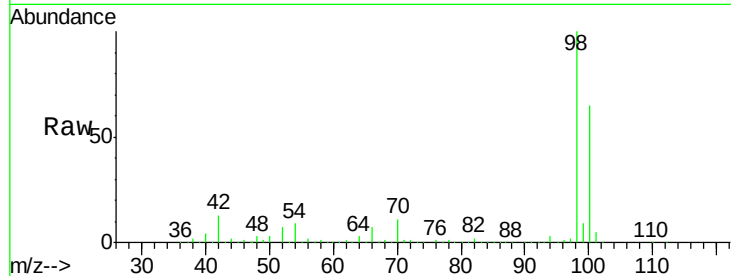




#50
Toluene-d8
Concen: 46.927 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

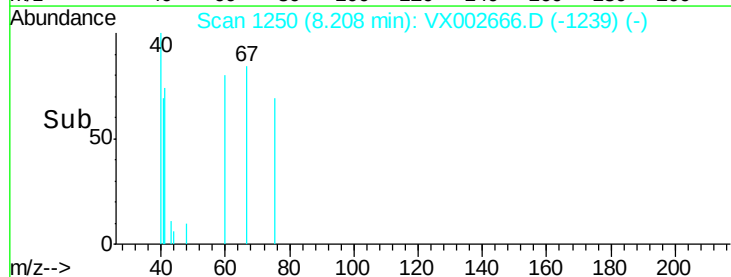
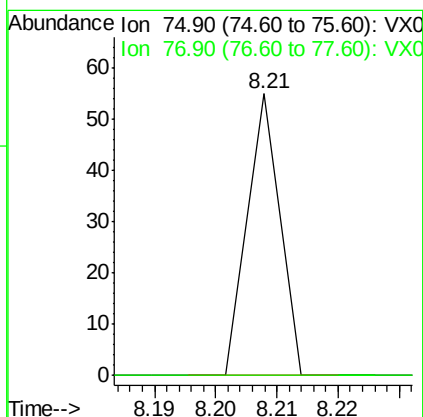
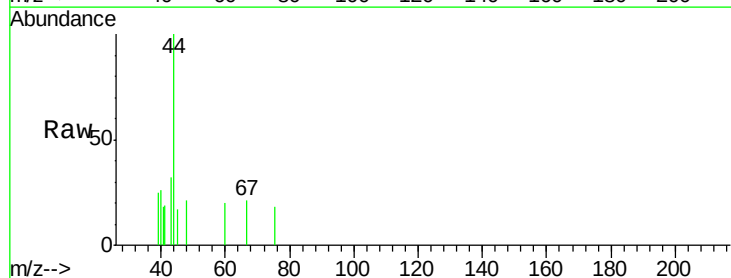
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-8-10.0-061318

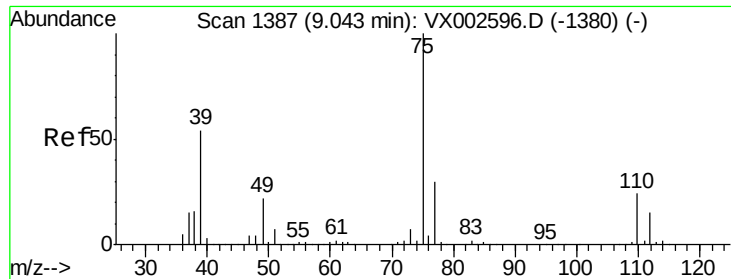
Tot Ion: 98 Resp: 434582
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.398 ug/l
RT: 8.21 min Scan# 1250
Delta R.T. -0.23 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

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



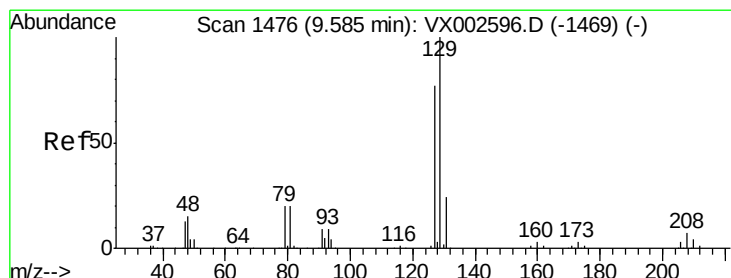
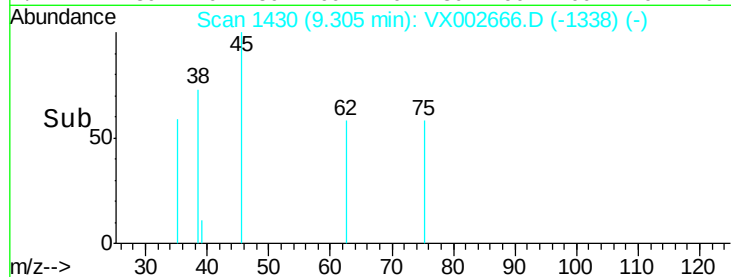
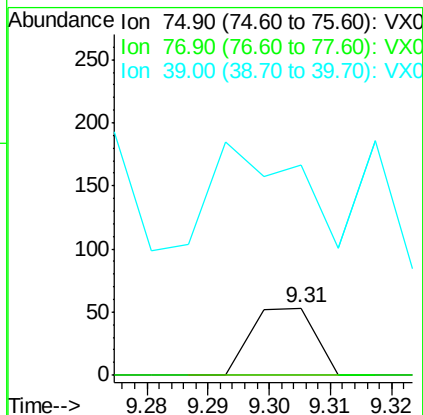
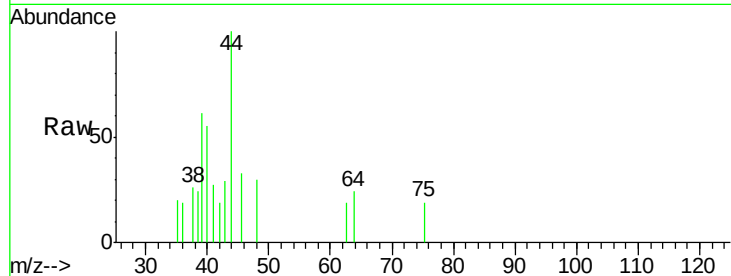


#54

cis-1,3-Dichloropropene
 Concen: 3.222 ug/l
 RT: 9.31 min Scan# 1430
 Delta R.T. 0.26 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-8-10.0-061318

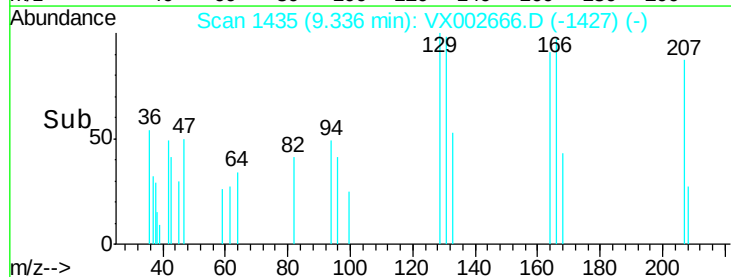
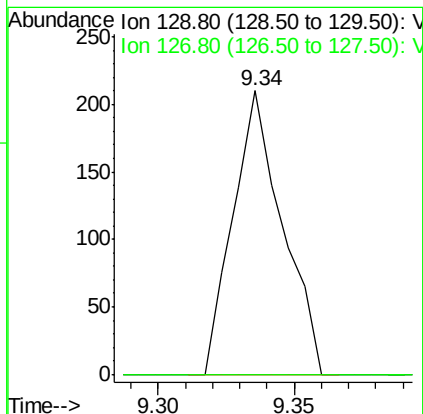
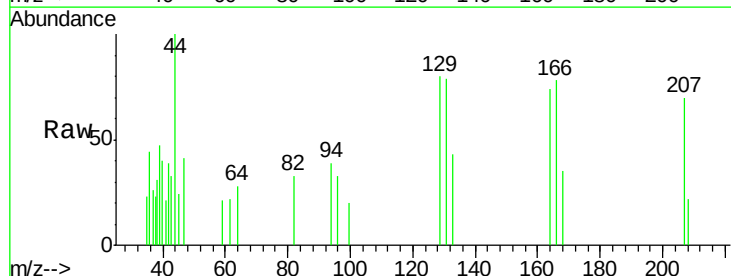
Tot Ion: 75 Resp: 38
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 124.5 42.4 63.6#

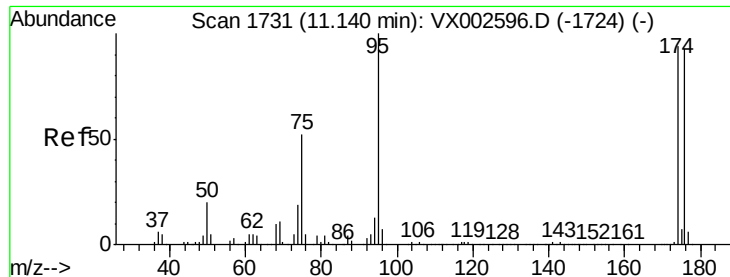


#60

Dibromochloromethane
 Concen: 3.847 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX002666.D
 Acq: 16 Jun 2018 23:50

Tgt Ion: 129 Resp: 264
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

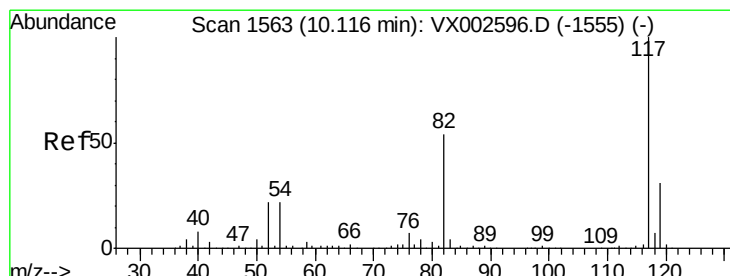
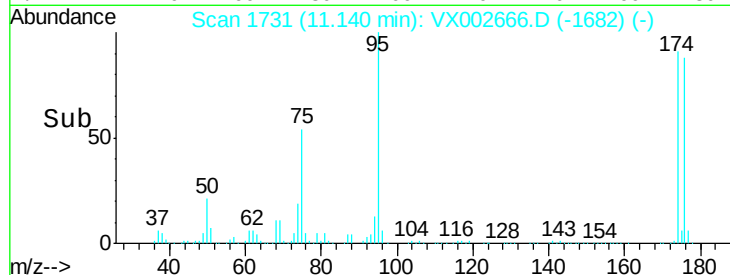
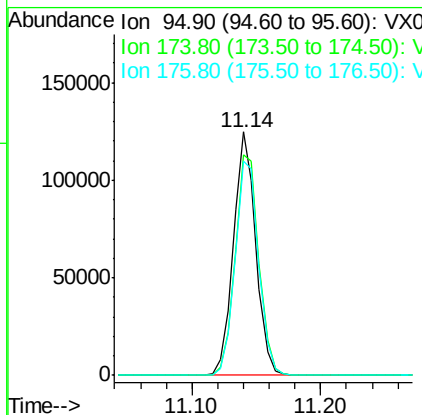
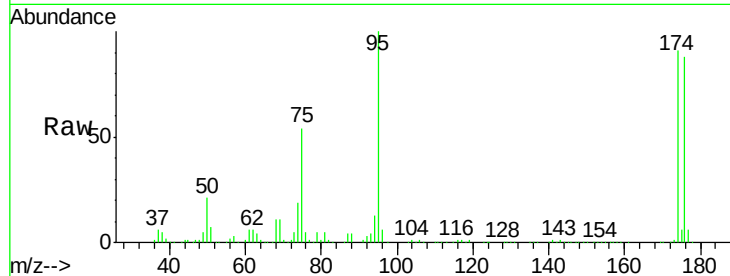




#62
4-Bromofluorobenzene
Concen: 42.931 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

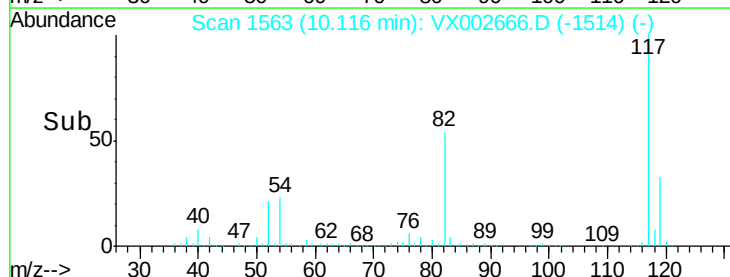
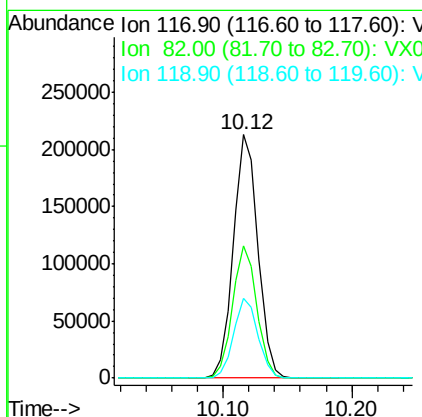
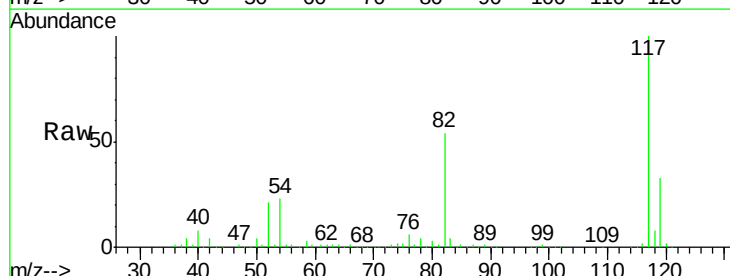
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-8-10.0-061318

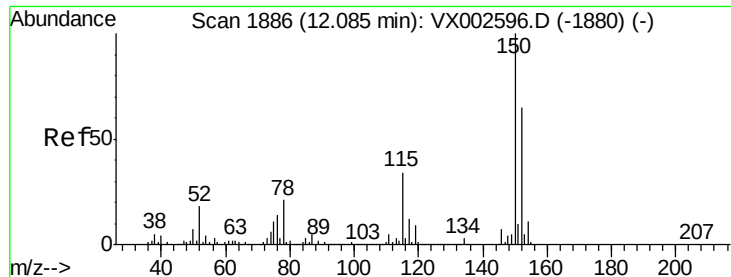
Tot Ion: 95 Resp: 150654
Ion Ratio Lower Upper
95 100
174 95.9 0.0 187.4
176 92.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002666.D
Acq: 16 Jun 2018 23:50

Tgt Ion: 117 Resp: 283326
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.6 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: VX002666.D

Acq: 16 Jun 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-8-10.0-061318

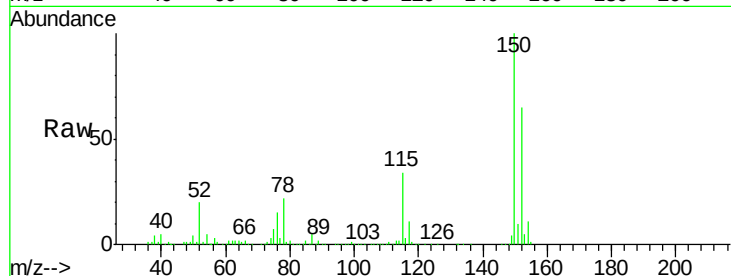
Tot Ion:152 Resp: 159710

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

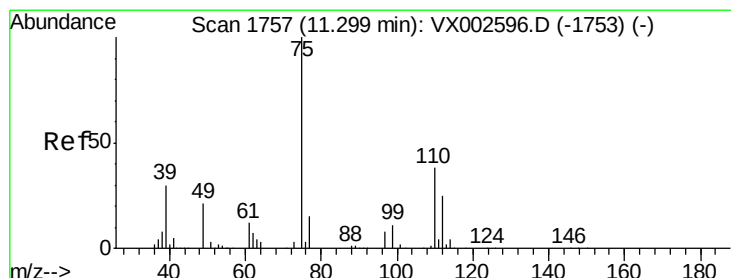
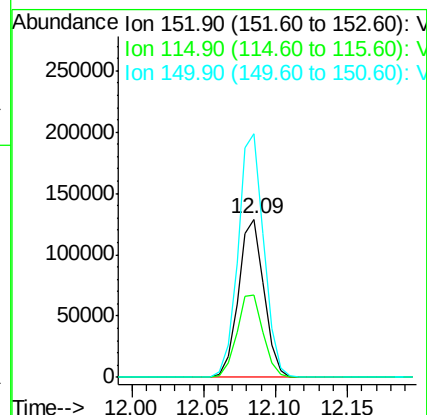
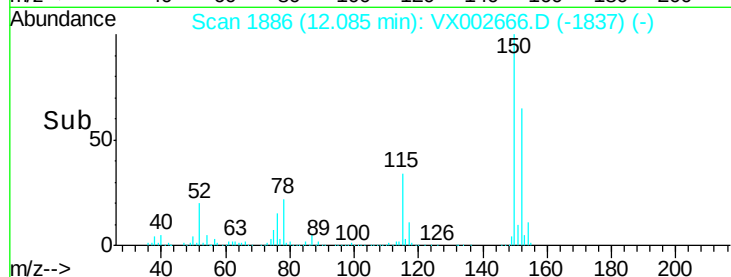
150 155.0 0.0 347.2



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: 26.474 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002666.D

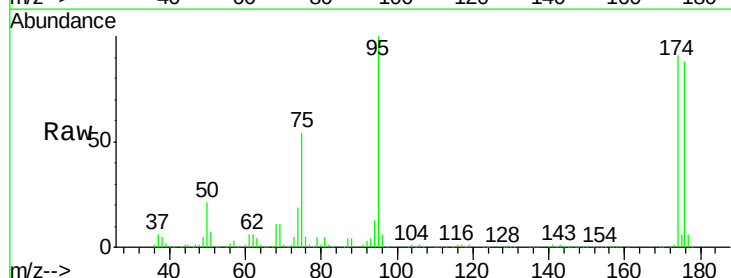
Acq: 16 Jun 2018 23:50

Tgt Ion: 75 Resp: 79786

Ion Ratio Lower Upper

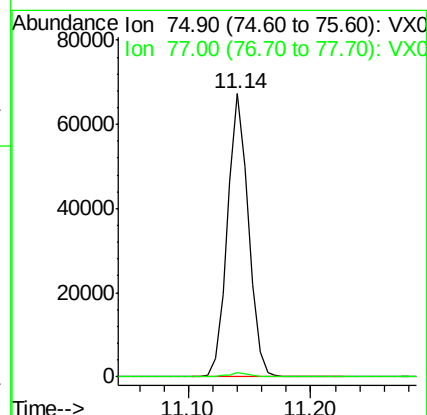
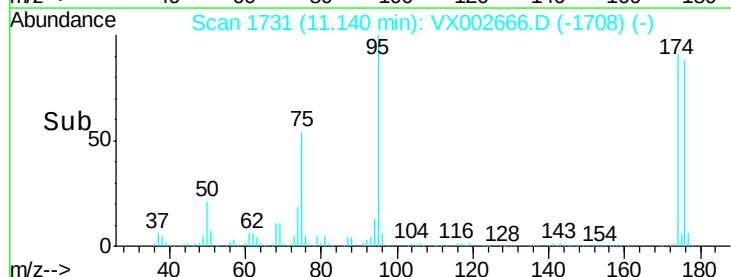
75 100

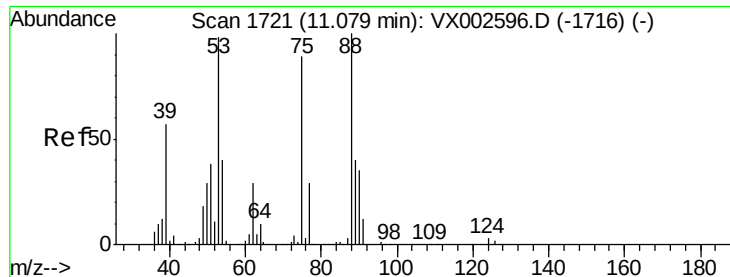
77 1.4 22.8 68.3#



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: 81.807 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002666.D

Acq: 16 Jun 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-8-10.0-061318

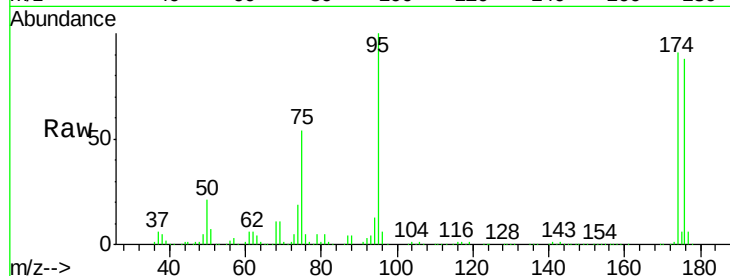
Tot Ion: 75 Resp: 79786

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

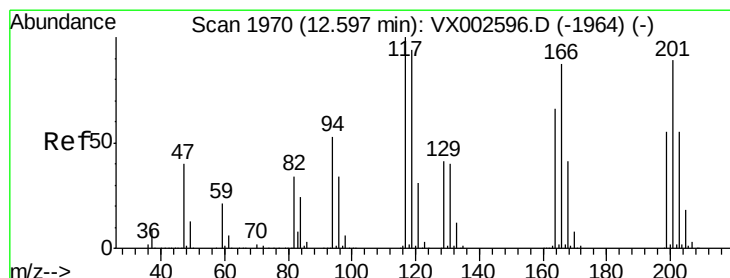
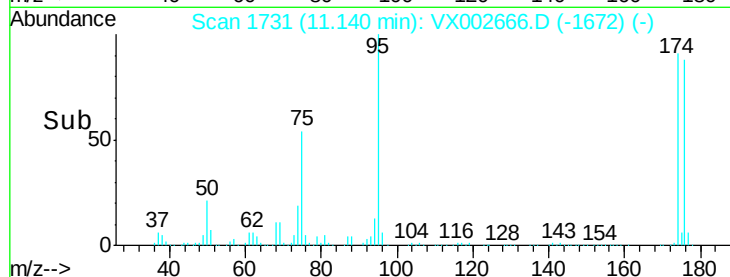
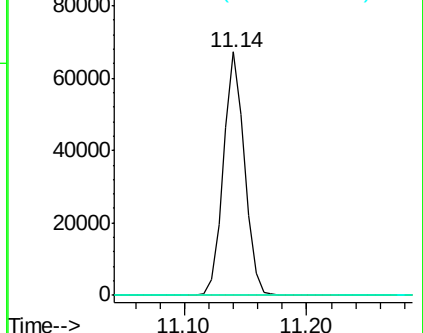
89 0.0 38.2 57.2#



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: 2.743 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX002666.D

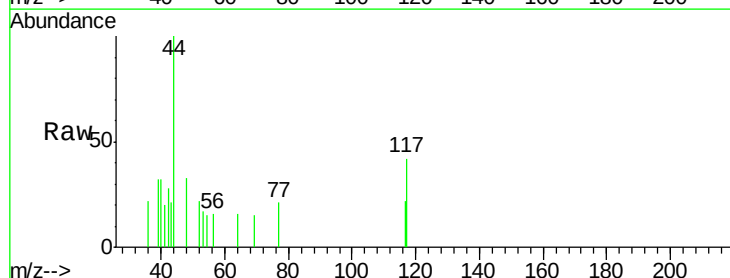
Acq: 16 Jun 2018 23:50

Tgt Ion: 117 Resp: 191

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

