

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002667.D
 Acq On : 17 Jun 2018 00:17
 Operator : JC/MD
 Sample : J3485-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-16-10.5-061318

Quant Time: Jun 18 01:42:04 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	210940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304077	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157200	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	146196	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	5.51	113	113717	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	8.72	98	432553	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.14	95	149892	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

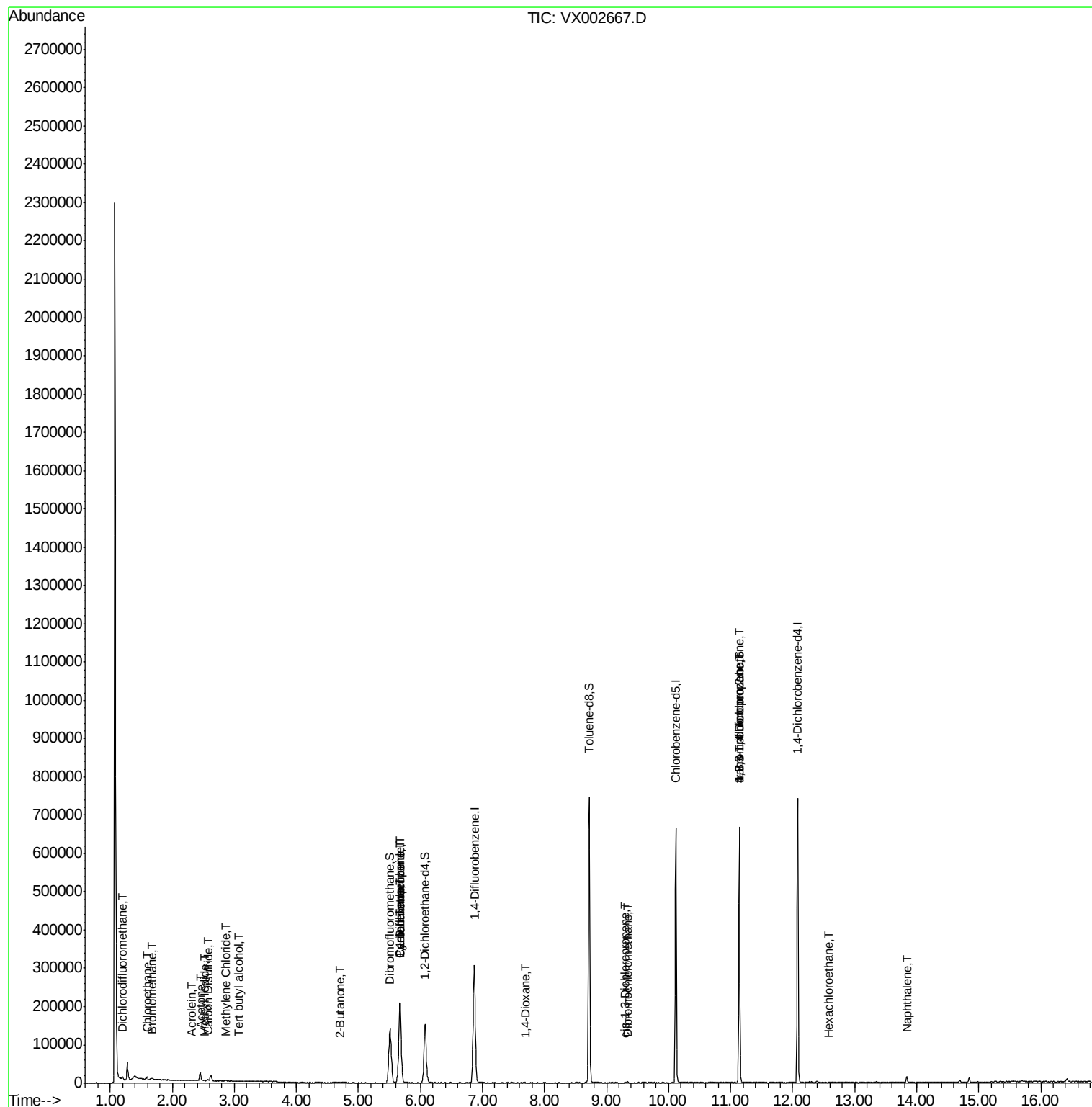
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3147	1.405	ug/l	99
5) Bromomethane	1.66	94	978	0.586	ug/l	86
6) Chloroethane	1.59	64	1383	0.759	ug/l #	57
10) Methyl Iodide	2.51	142	1027	5.453	ug/l #	87
11) Tert butyl alcohol	3.07	59	417	0.629	ug/l #	62
13) Acrolein	2.31	56	321	7.868	ug/l #	14
16) Acetone	2.45	43	21785	15.404	ug/l	99
17) Carbon Disulfide	2.57	76	4087	0.731	ug/l	99
20) Methylene Chloride	2.86	84	700	0.241	ug/l #	88
25) 2-Butanone	4.70	43	543	0.292	ug/l	93
31) Cyclohexane	5.67	56	4347	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14629	4.530	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19761	6.145	ug/l #	16
49) 1,4-Dioxane	7.70	88	21	0.358	ug/l #	1
54) cis-1,3-Dichloropropene	9.29	75	19	3.217	ug/l #	32
60) Dibromochloromethane	9.34	129	446	3.907	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	80866	27.261	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	80866	84.114	ug/l #	7
90) Hexachloroethane	12.57	117	21	2.638	ug/l #	1
95) Naphthalene	13.84	128	9037	0.856	ug/l	98

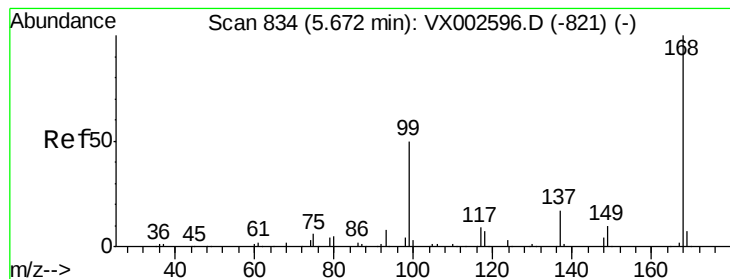
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061618\
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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# 834

Delta R.T. 0.00 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

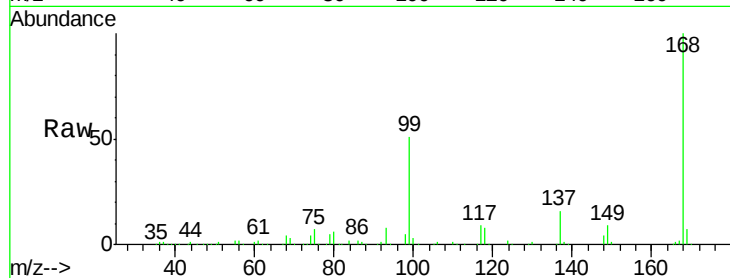
T11-MW-16-10.5-061318

Tot Ion:168 Resp: 210940

Ion Ratio Lower Upper

168 100

99 51.0 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

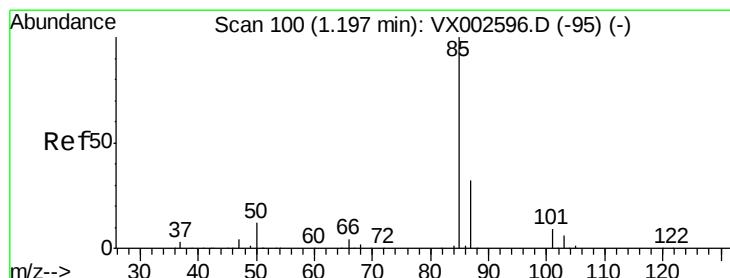
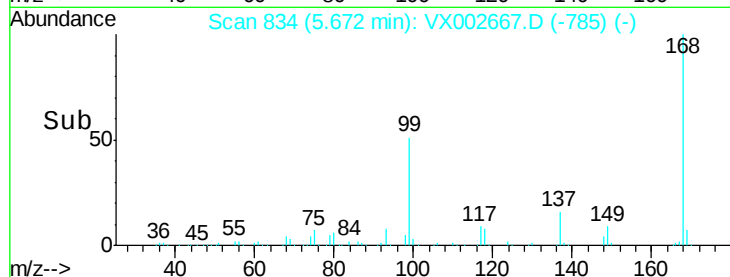
40000

20000

0

Time-->

5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.405 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002667.D

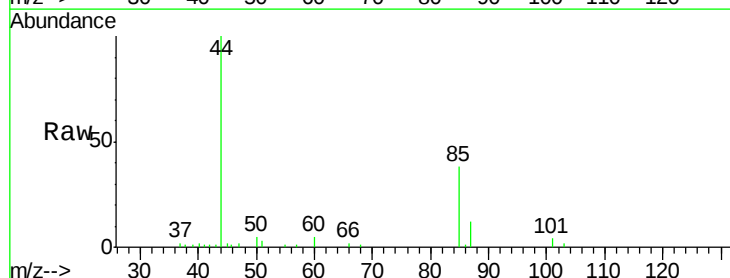
Acq: 17 Jun 2018 00:17

Tgt Ion: 85 Resp: 3147

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

3000

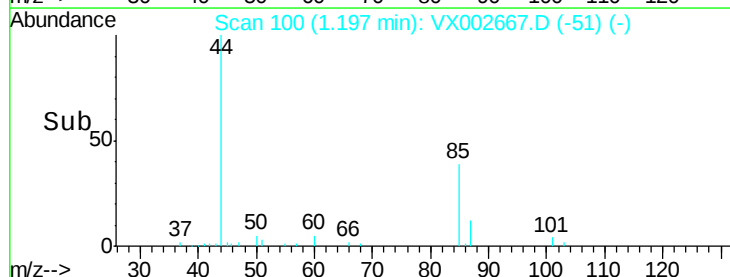
2000

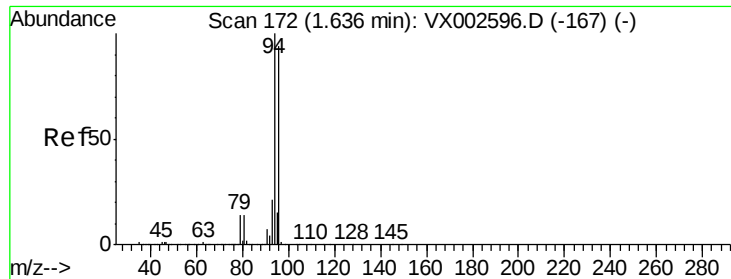
1000

0

Time-->

1.15 1.20 1.25





#5

Bromomethane

Concen: 0.586 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

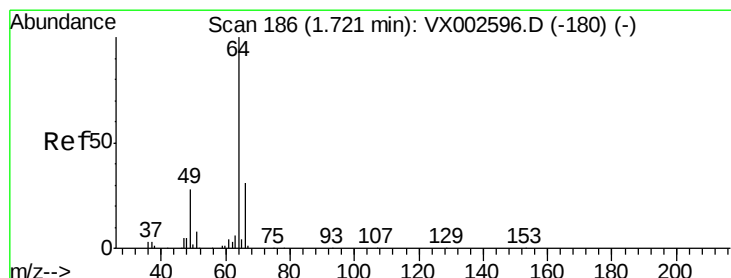
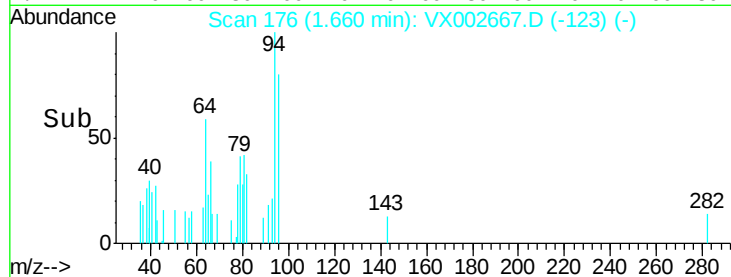
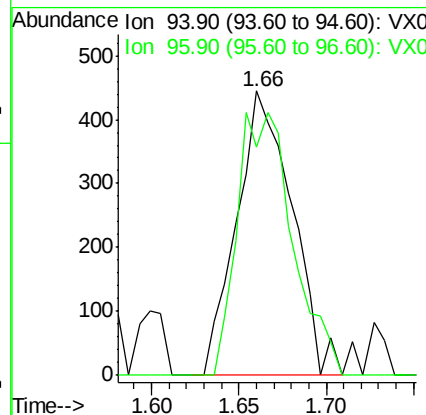
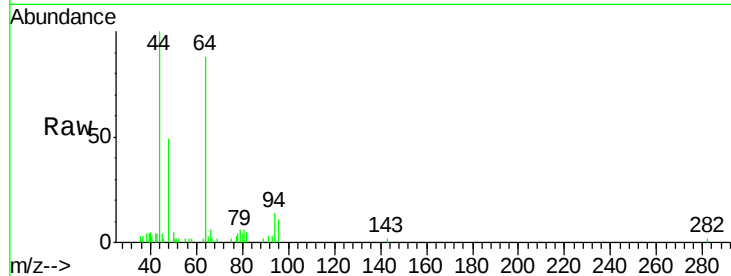
T11-MW-16-10.5-061318

Tot Ion: 94 Resp: 978

Ion Ratio Lower Upper

94 100

96 80.4 74.9 112.3



#6

Chloroethane

Concen: 0.759 ug/l

RT: 1.59 min Scan# 165

Delta R.T. -0.13 min

Lab File: VX002667.D

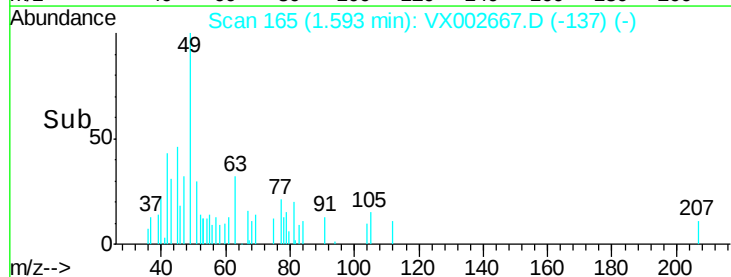
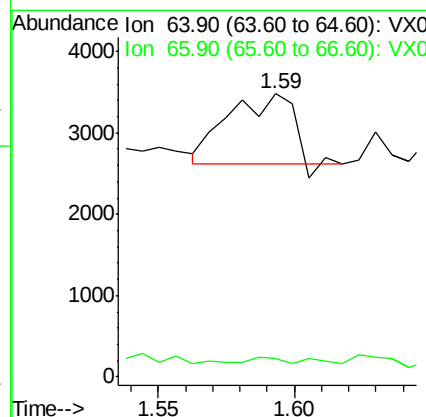
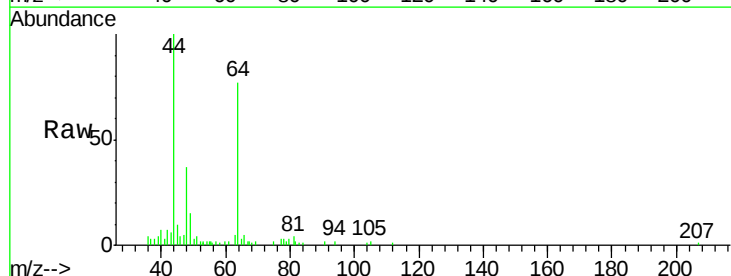
Acq: 17 Jun 2018 00:17

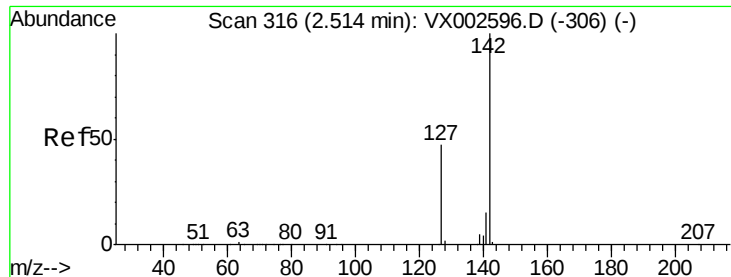
Tgt Ion: 64 Resp: 1383

Ion Ratio Lower Upper

64 100

66 8.1 25.5 38.3#

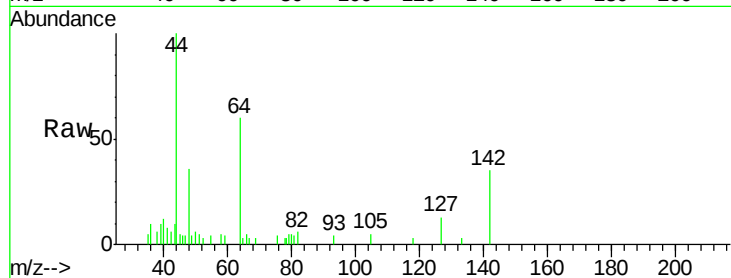




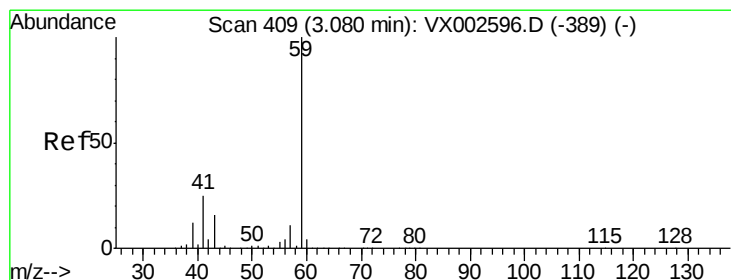
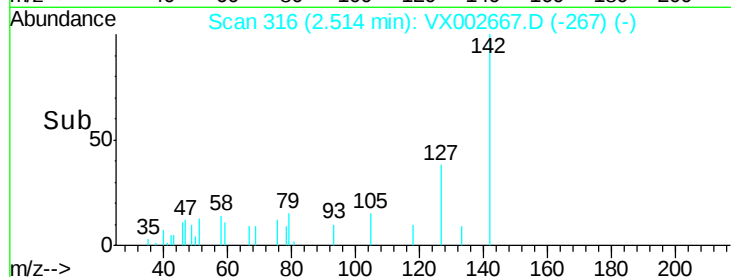
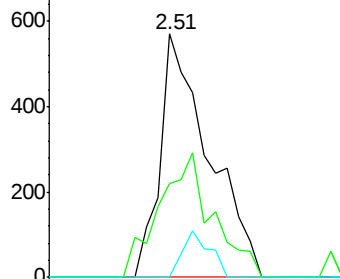
#10
Methvl Iodide
Concen: 5.453 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-061318

Tot Ion:142 Resp: 1027
Ion Ratio Lower Upper
142 100
127 55.7 36.6 55.0#
141 10.6 11.3 16.9#

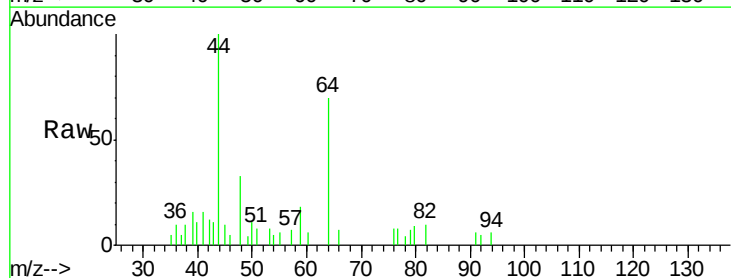


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

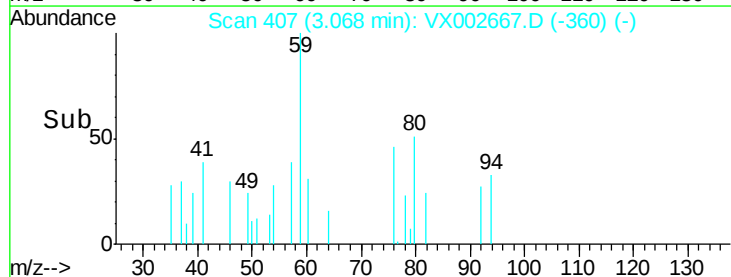
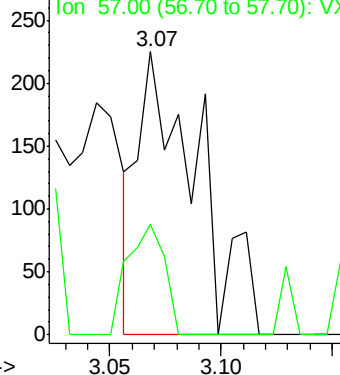


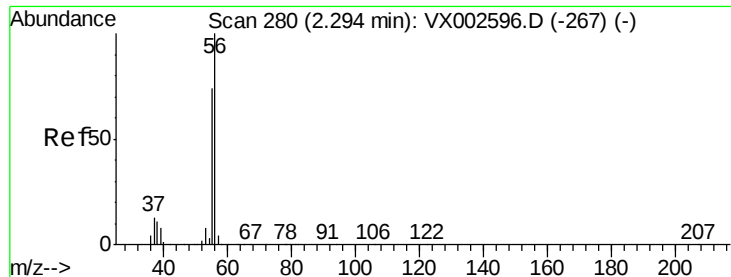
#11
Tert butyl alcohol
Concen: 0.629 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 24.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.868 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

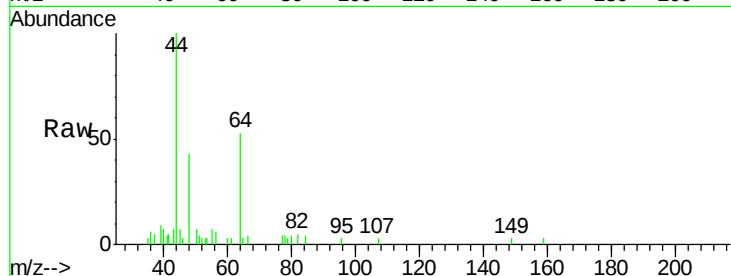
T11-MW-16-10.5-061318

Tot Ion: 56 Resp: 321

Ion Ratio Lower Upper

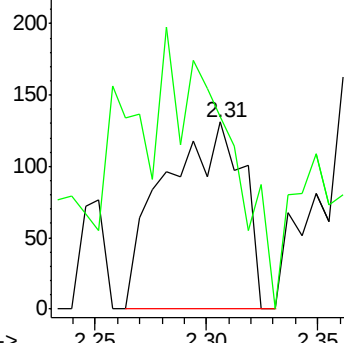
56 100

55 0.0 57.0 85.4#

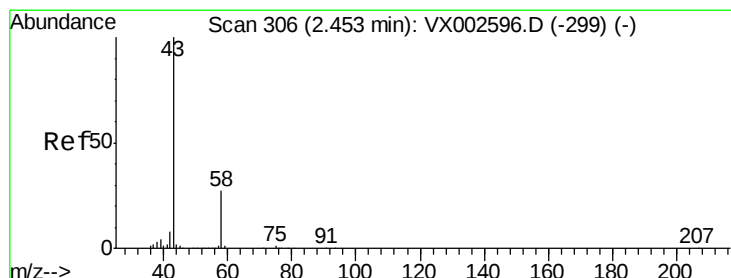
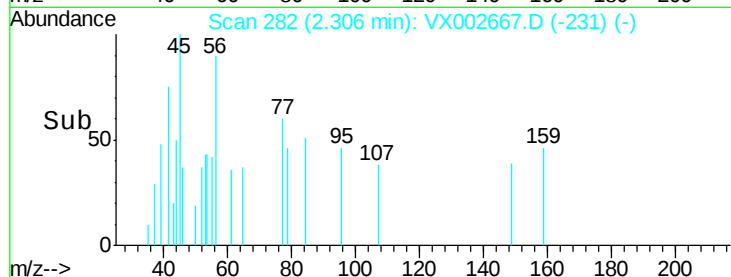


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 15.404 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002667.D

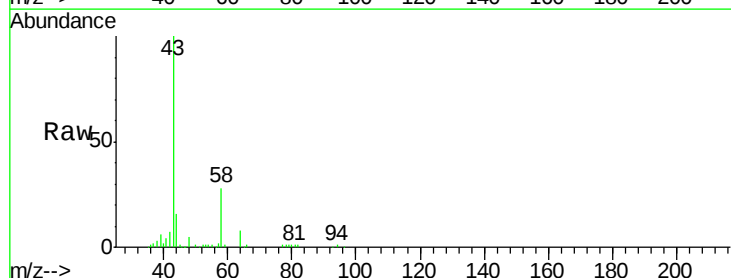
Acq: 17 Jun 2018 00:17

Tgt Ion: 43 Resp: 21785

Ion Ratio Lower Upper

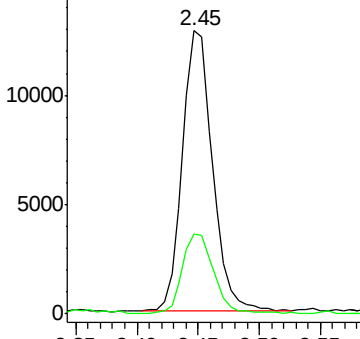
43 100

58 28.3 22.1 33.1

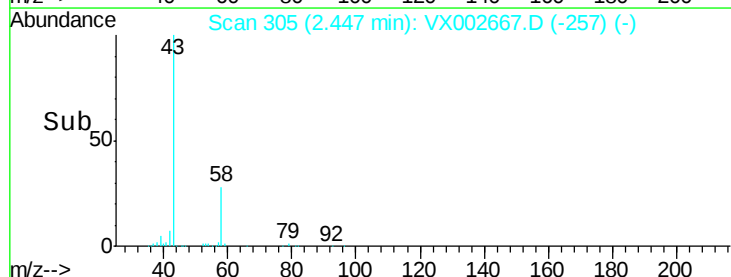


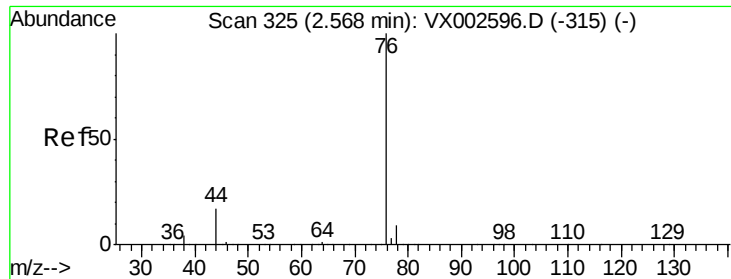
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.731 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

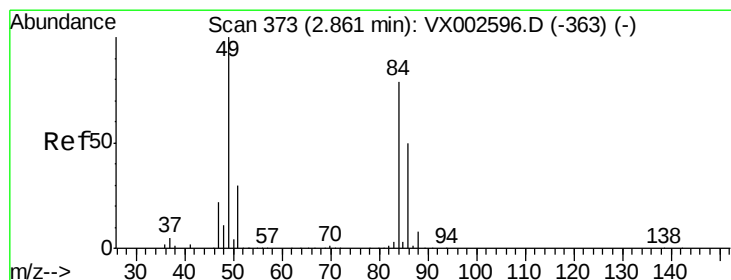
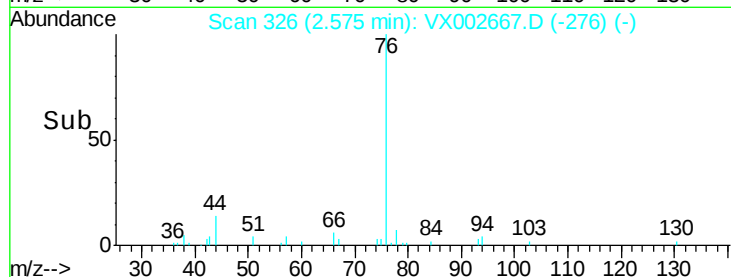
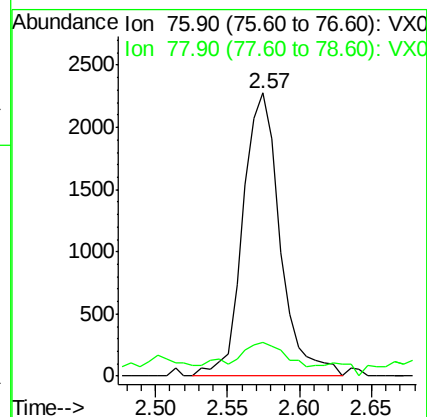
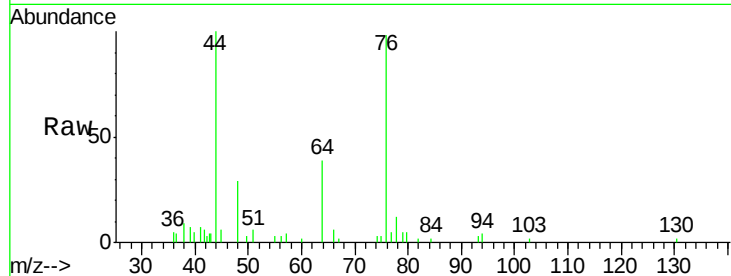
T11-MW-16-10.5-061318

Tot Ion: 76 Resp: 4087

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Tgt Ion: 84 Resp: 700

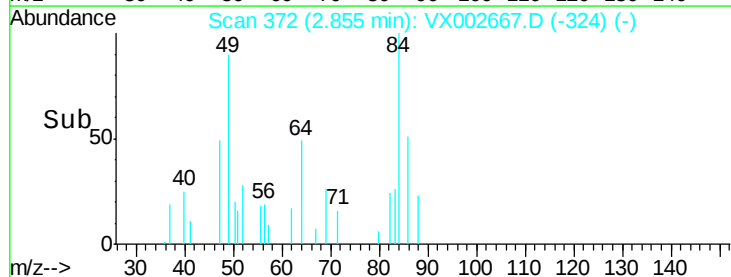
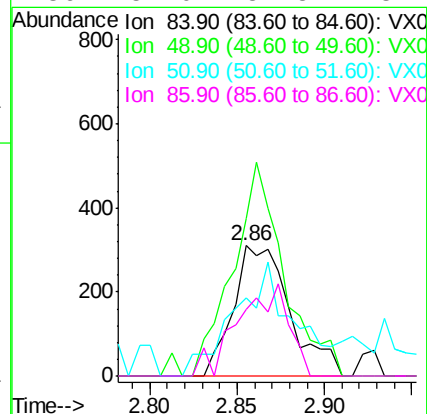
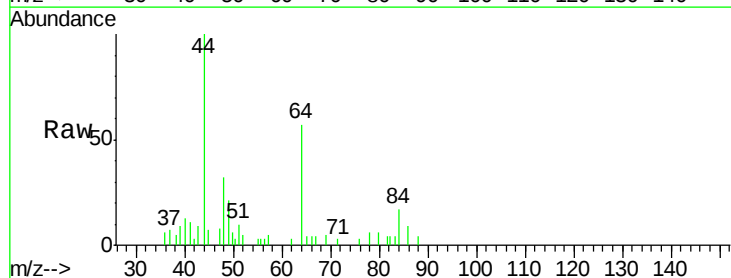
Ion Ratio Lower Upper

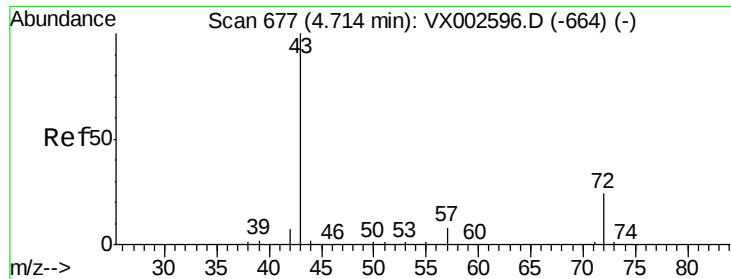
84 100

49 121.0 107.8 161.6

51 42.6 32.8 49.2

86 51.0 52.5 78.7#

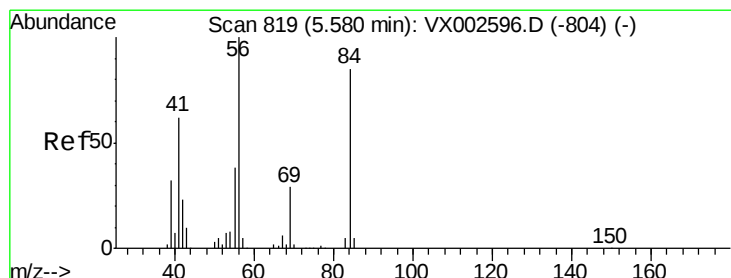
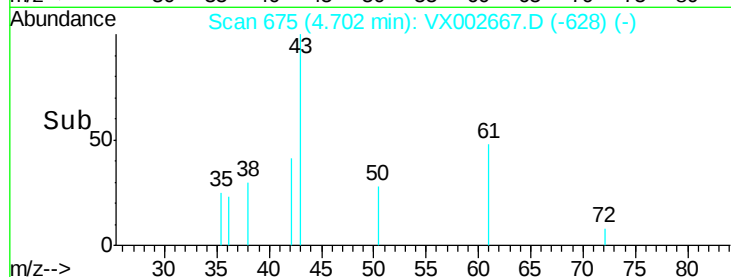
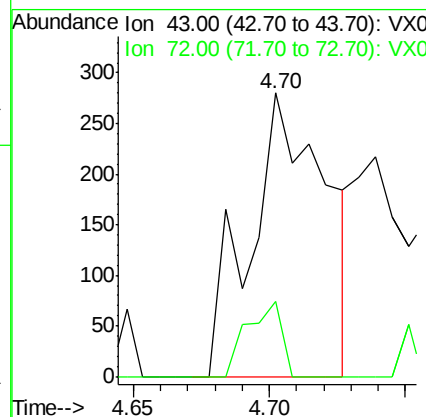
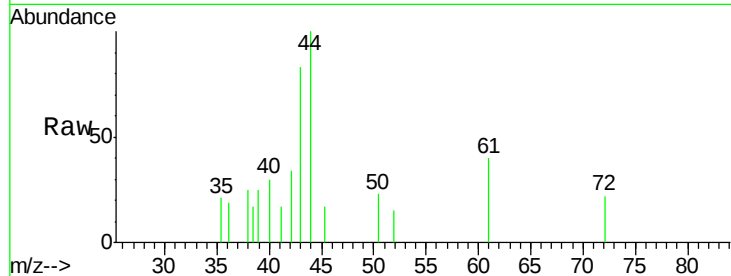




#25
2-Butanone
Concen: 0.292 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

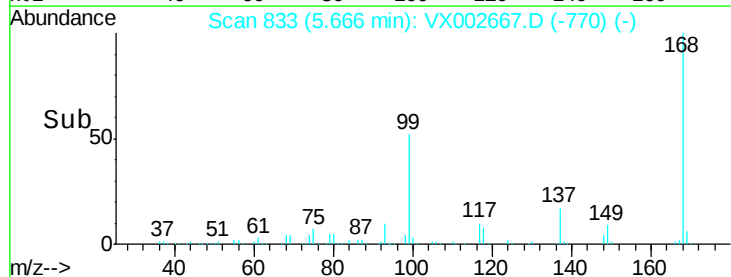
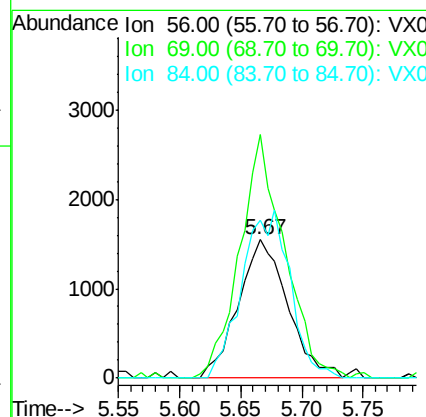
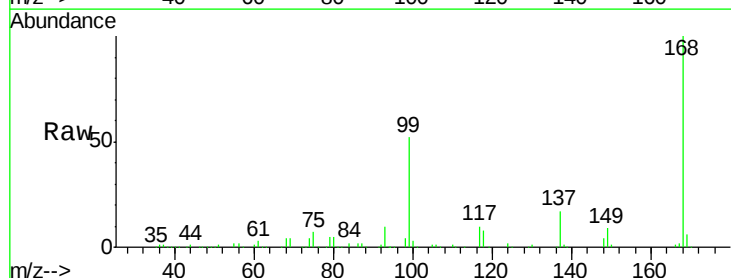
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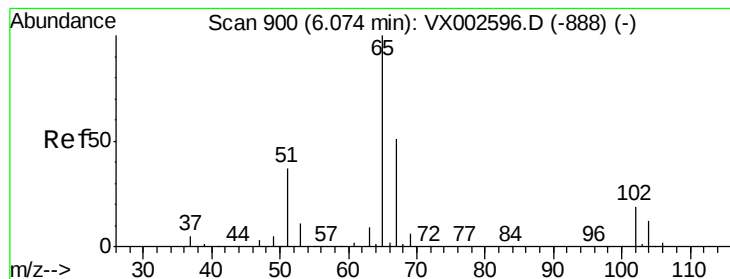
Tot Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
72 26.4 18.5 27.7



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Tgt Ion: 56 Resp: 4347
Ion Ratio Lower Upper
56 100
69 176.3 23.7 35.5#
84 114.4 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 45.608 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

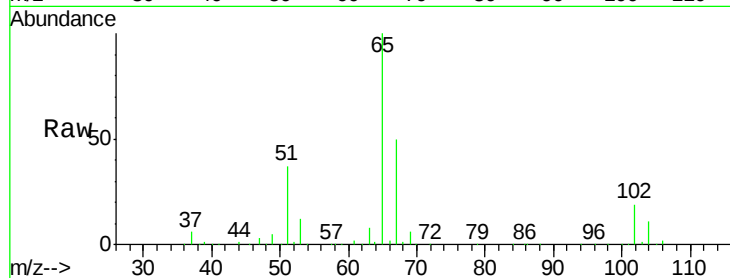
T11-MW-16-10.5-061318

Tot Ion: 65 Resp: 146196

Ion Ratio Lower Upper

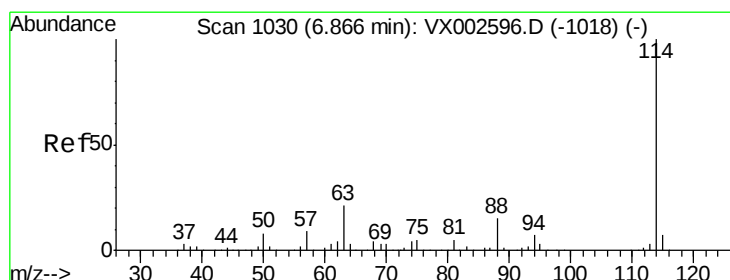
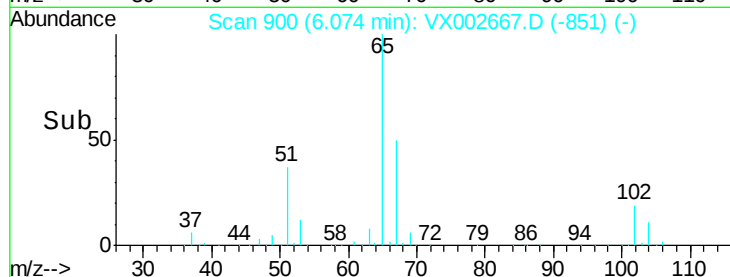
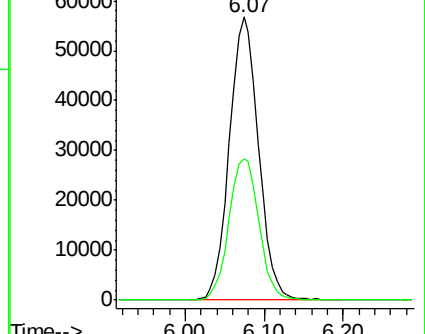
65 100

67 51.6 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: VX002667.D

Acq: 17 Jun 2018 00:17

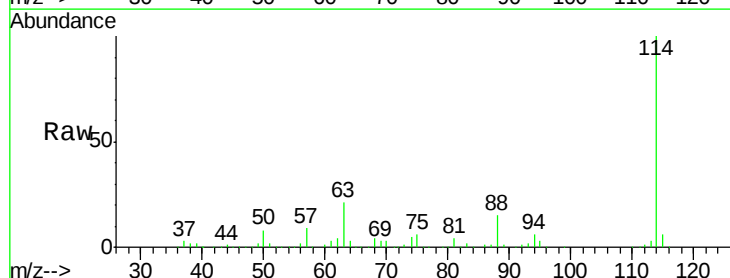
Tgt Ion: 114 Resp: 304077

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

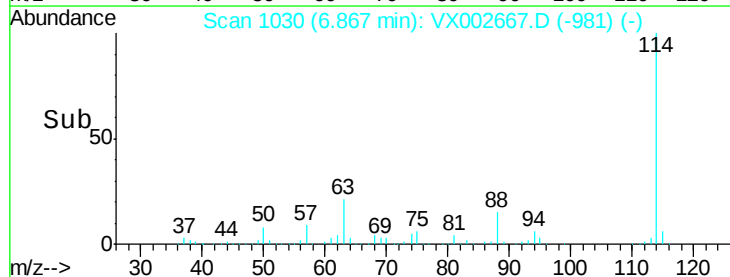
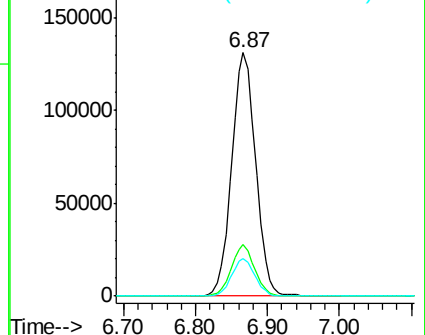
88 15.2 0.0 30.0

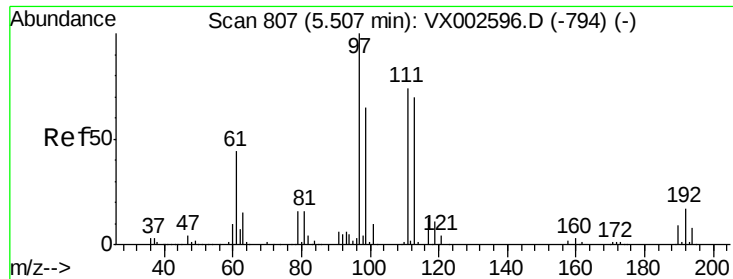


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.858 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-16-10.5-061318

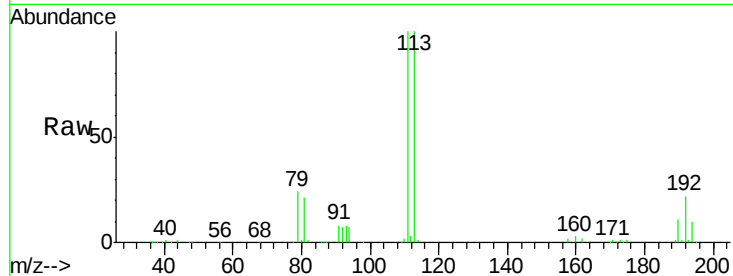
Tot Ion:113 Resp: 113717

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

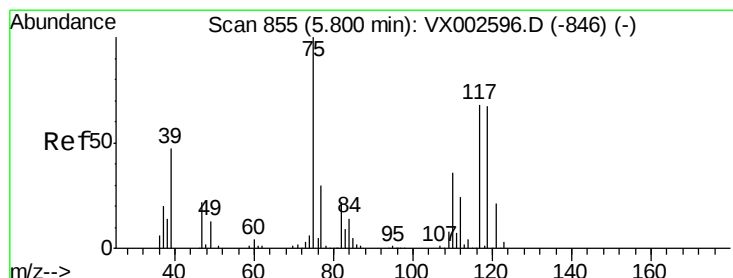
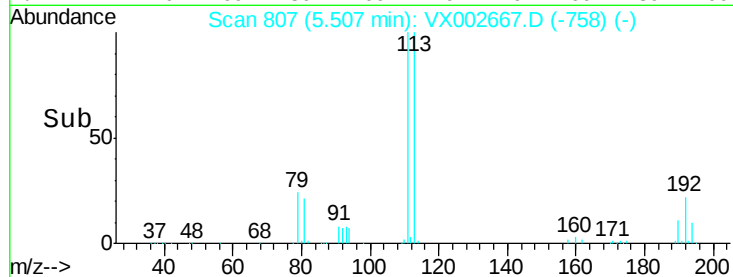
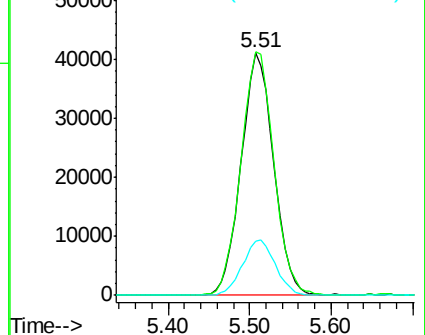
192 23.2 19.1 28.7



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: 4.530 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

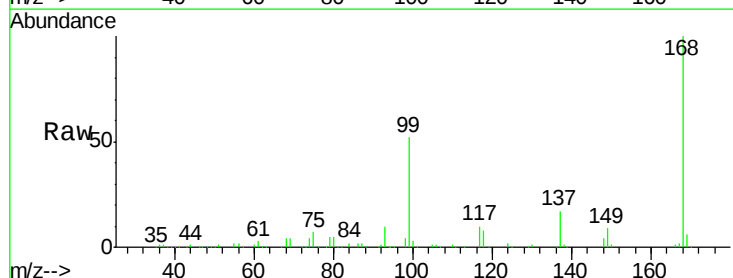
Tgt Ion: 75 Resp: 14629

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

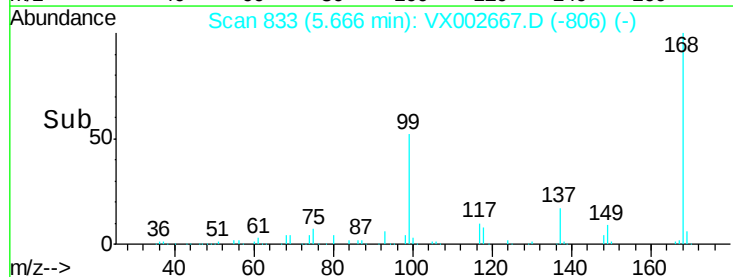
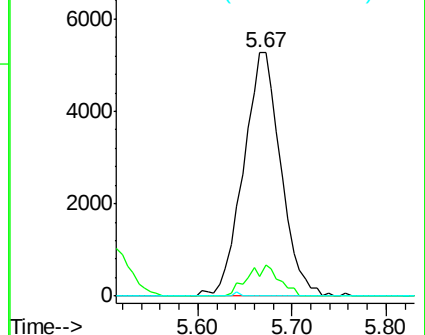
77 0.0 24.3 36.5#

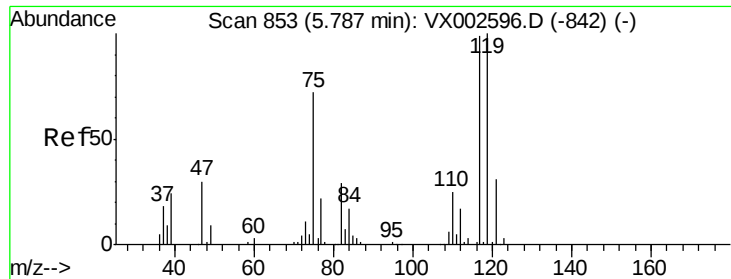


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

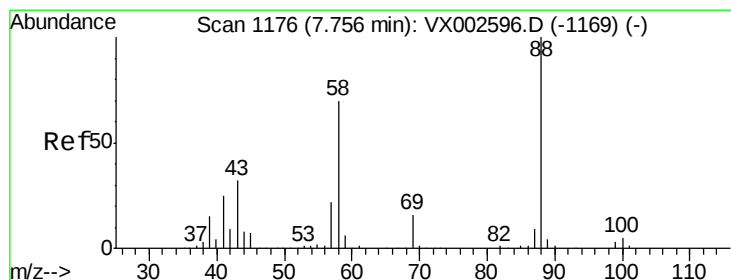
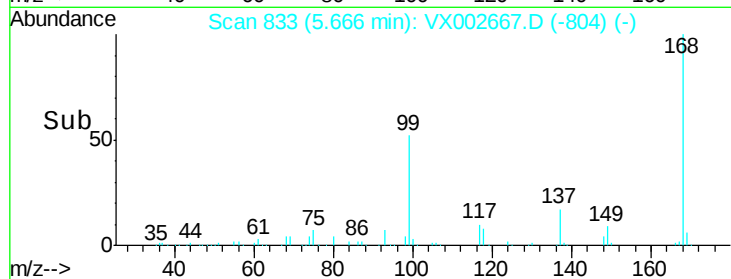
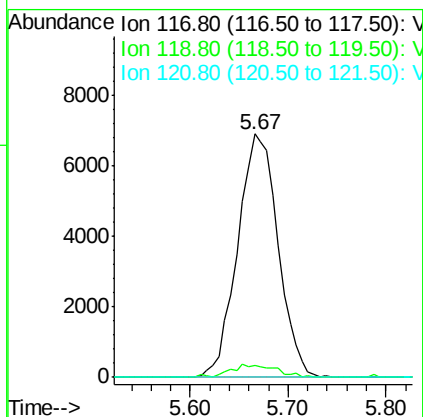
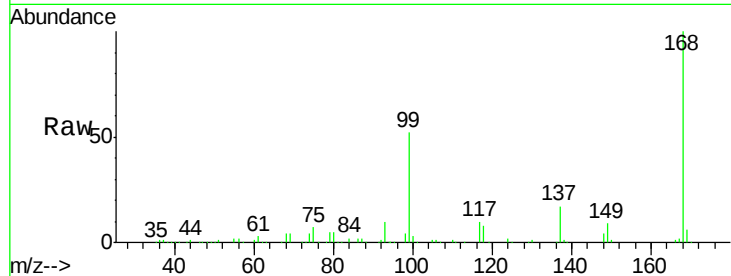




#38
Carbon Tetrachloride
Concen: 6.145 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

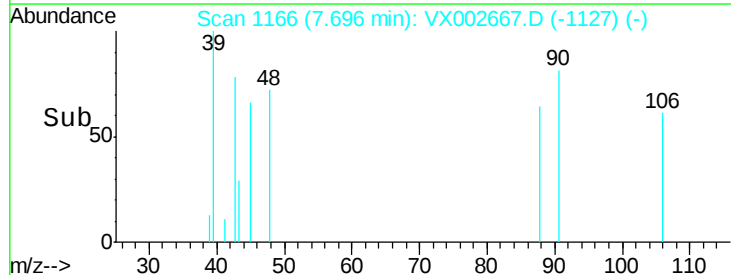
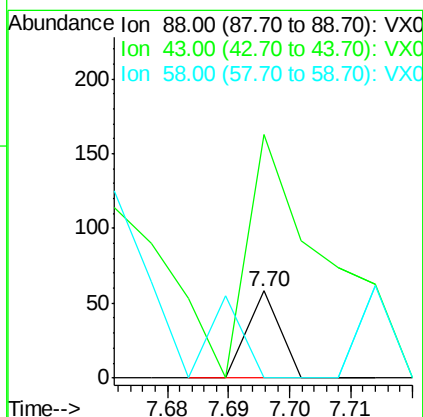
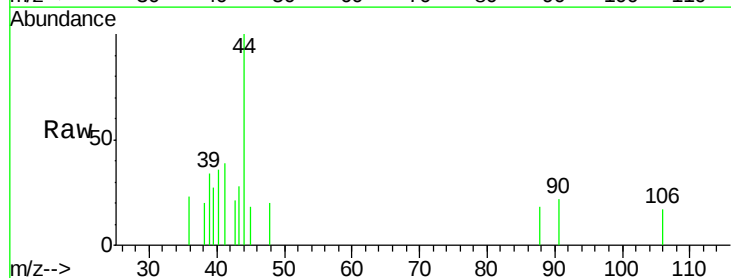
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-061318

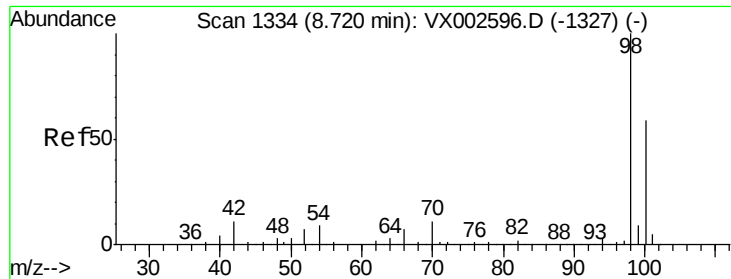
Tot Ion:117 Resp: 19761
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.358 ug/l
RT: 7.70 min Scan# 1166
Delta R.T. -0.06 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 681.0 29.8 44.6#
58 109.5 57.1 85.7#





#50

Toluene-d8

Concen: 46.942 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

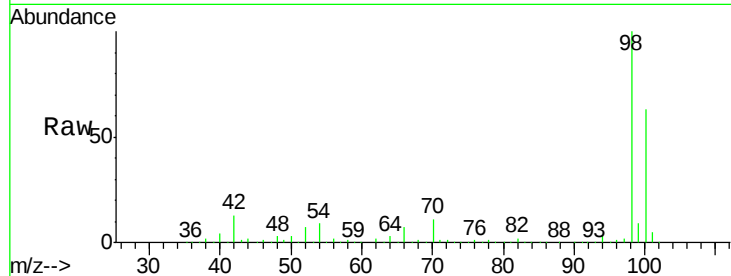
T11-MW-16-10.5-061318

Tot Ion: 98 Resp: 432553

Ion Ratio Lower Upper

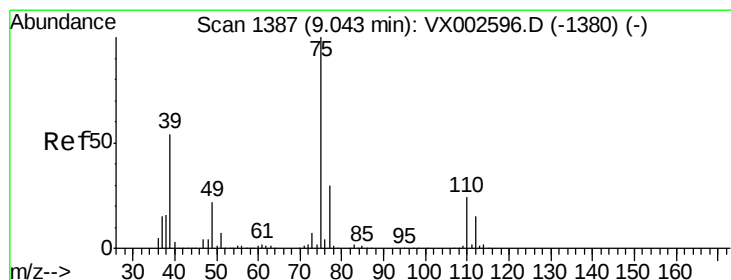
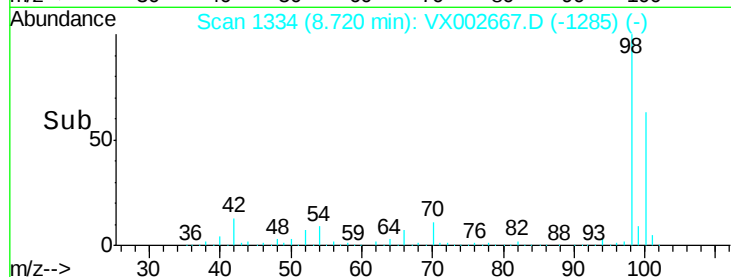
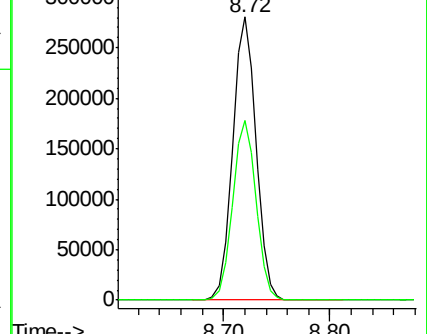
98 100

100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.217 ug/l

RT: 9.29 min Scan# 1427

Delta R.T. 0.24 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

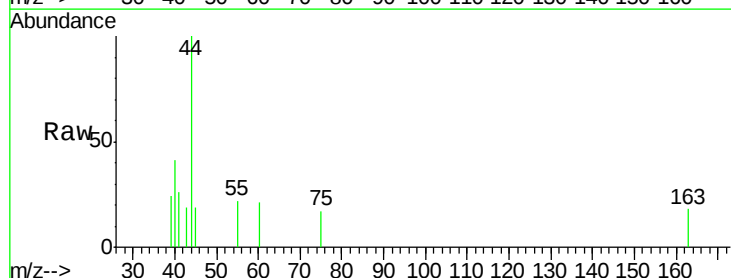
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

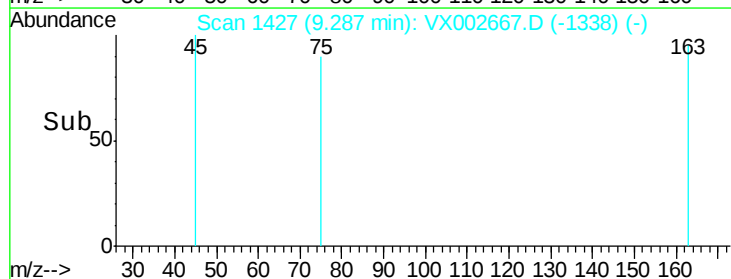
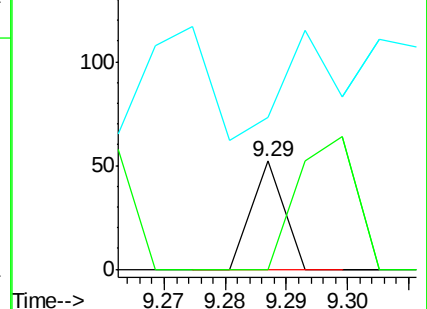
39 0.0 42.4 63.6#

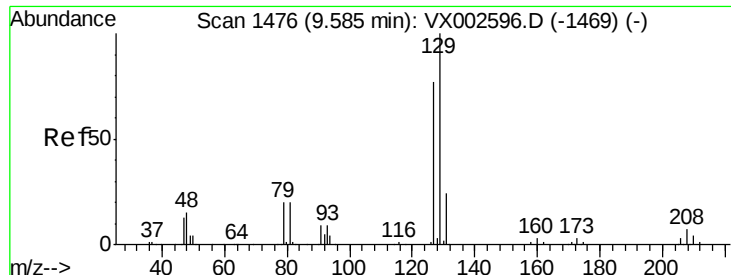


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

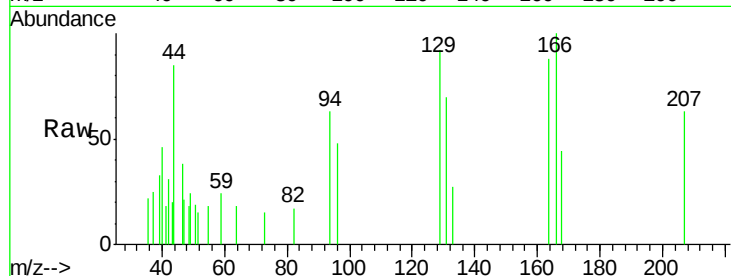




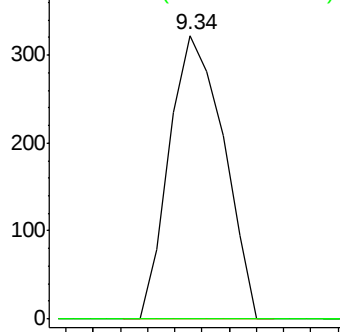
#60
Dibromochloromethane
Concen: 3.907 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-061318

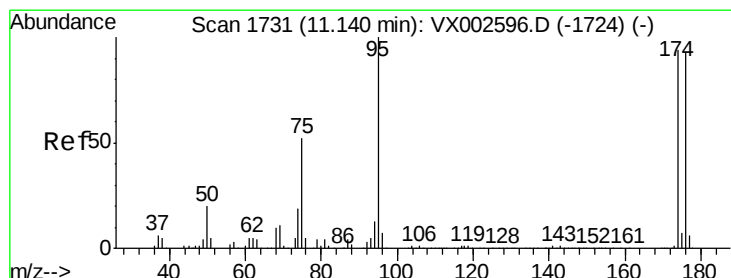
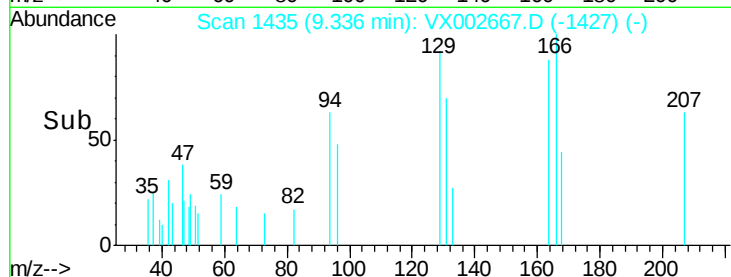
Tot Ion:129 Resp: 446
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

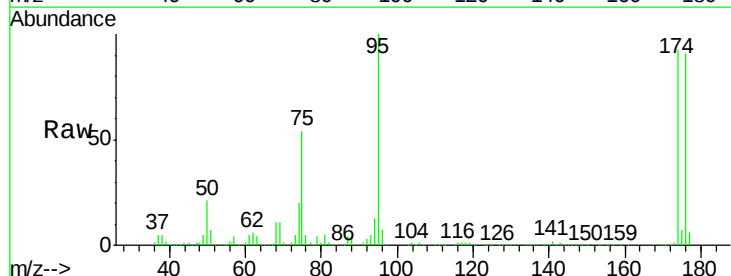


Time-->

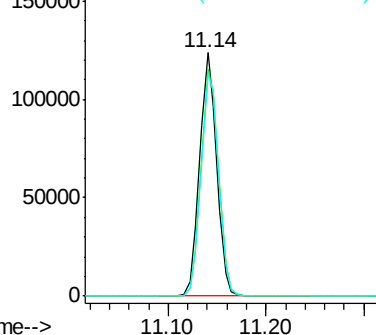


#62
4-Bromofluorobenzene
Concen: 42.928 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

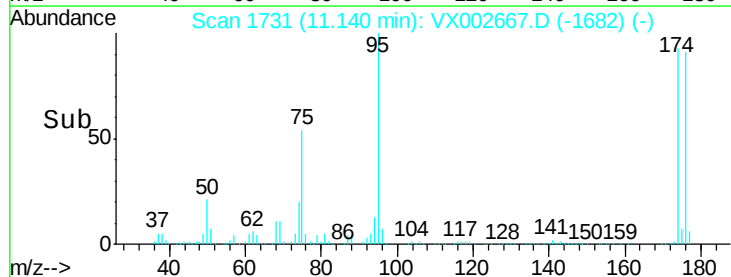
Tgt Ion: 95 Resp: 149892
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 94.3 0.0 181.0

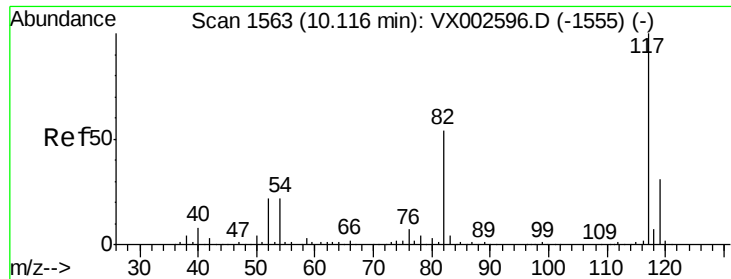


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

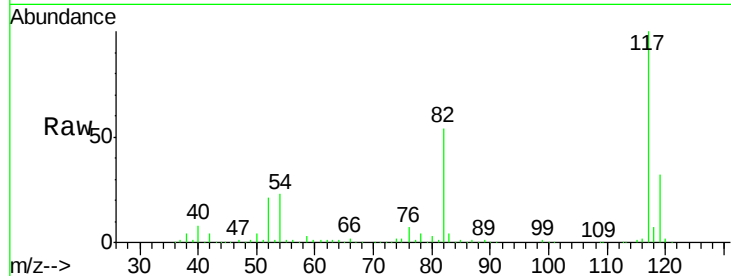




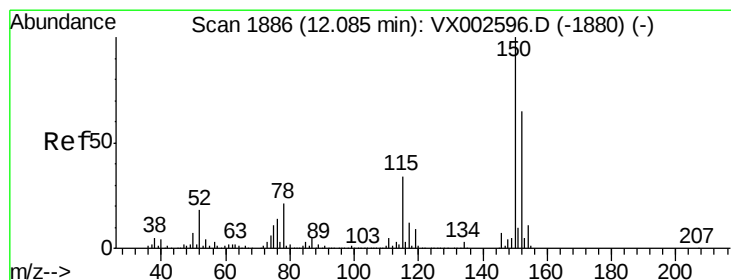
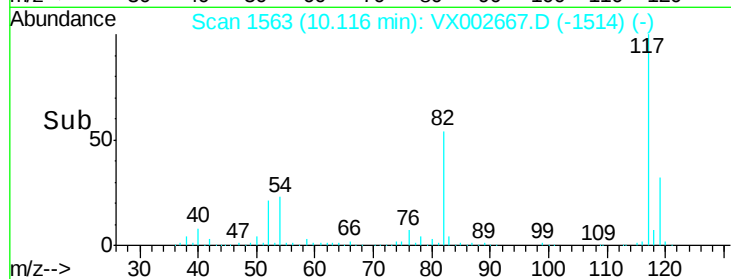
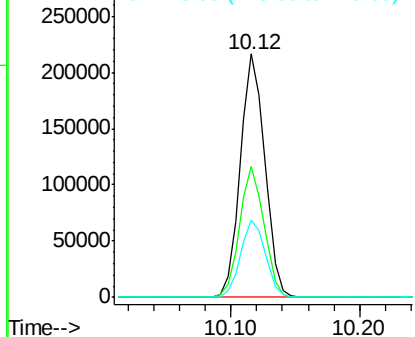
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-16-10.5-061318

Tot Ion:117 Resp: 284582
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 31.9 25.8 38.6

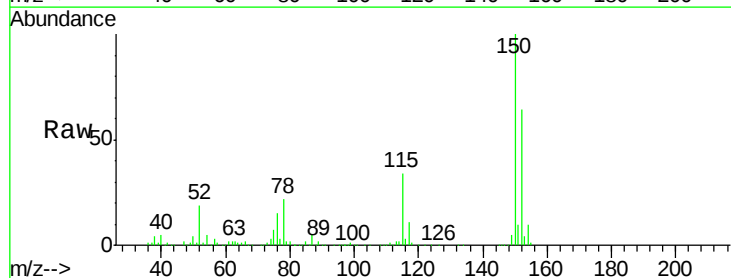


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

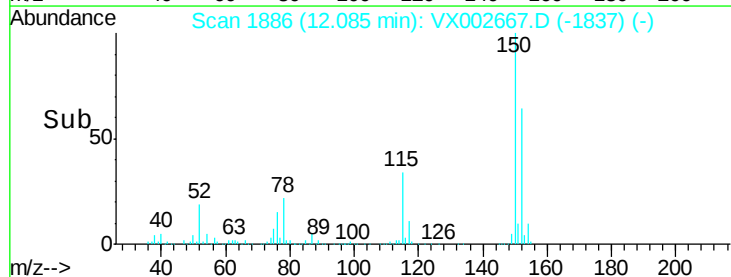
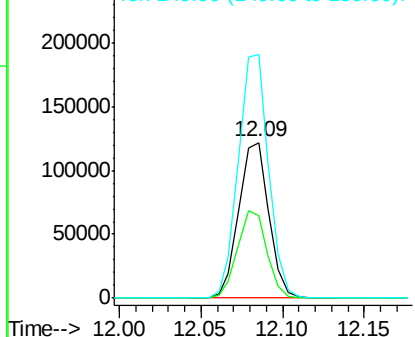


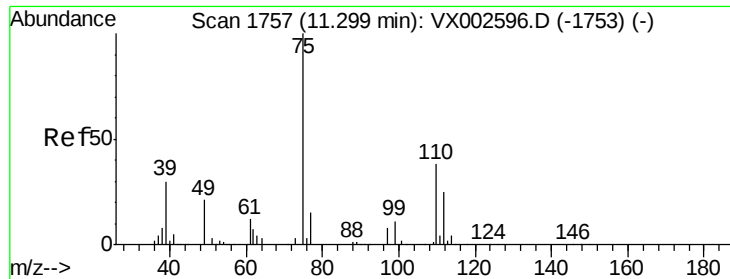
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002667.D
Acq: 17 Jun 2018 00:17

Tgt Ion:152 Resp: 157200
Ion Ratio Lower Upper
152 100
115 55.0 40.1 120.2
150 157.6 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: 27.261 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

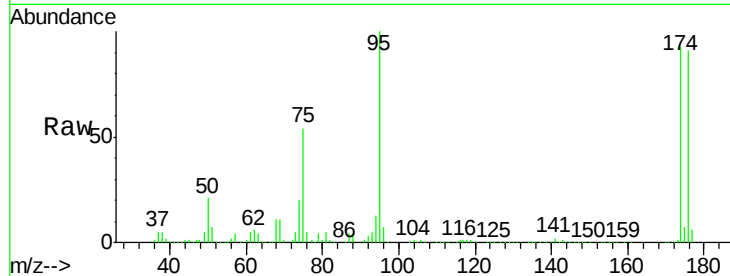
T11-MW-16-10.5-061318

Tot Ion: 75 Resp: 80866

Ion Ratio Lower Upper

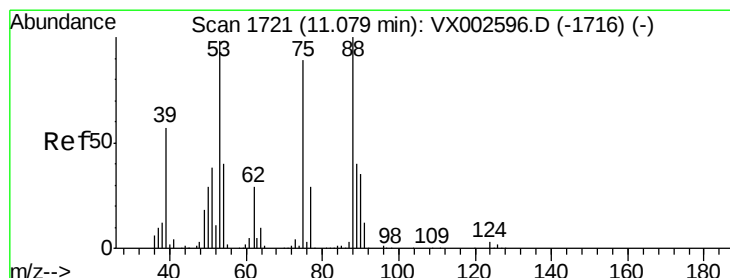
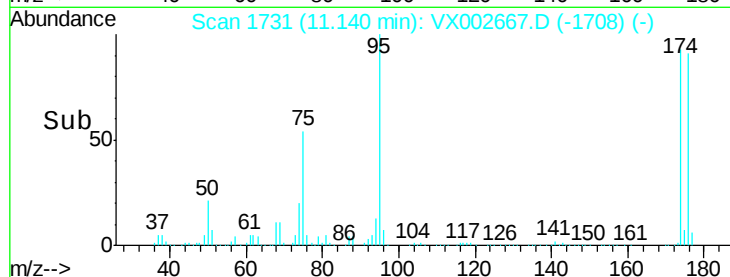
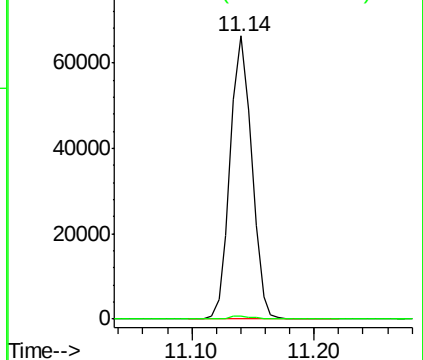
75 100

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: 84.114 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

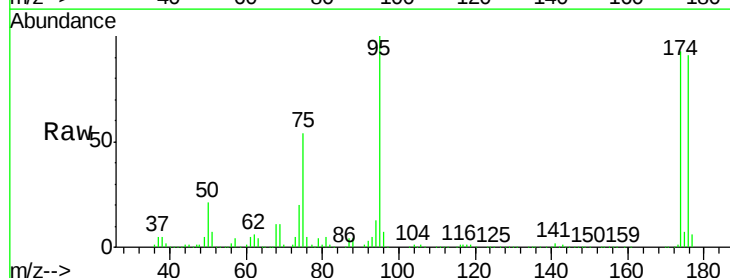
Tgt Ion: 75 Resp: 80866

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

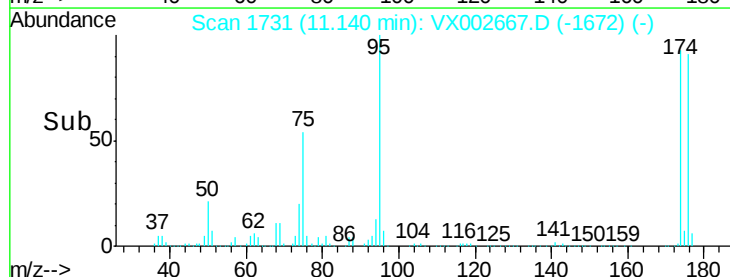
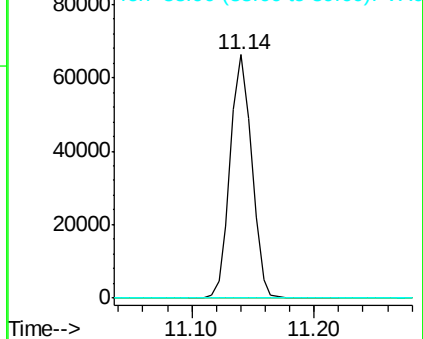
89 0.0 38.2 57.2#

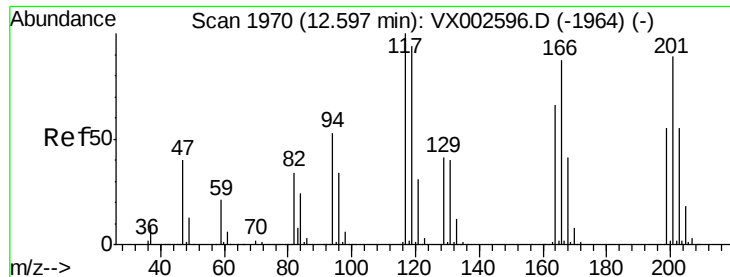


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 2.638 ug/l

RT: 12.57 min Scan# 1966

Delta R.T. -0.02 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

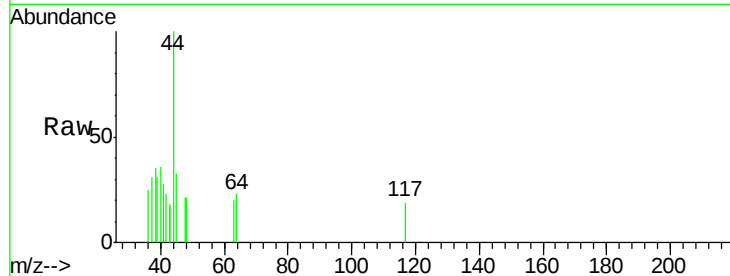
T11-MW-16-10.5-061318

Tot Ion:117 Resp: 21

Ion Ratio Lower Upper

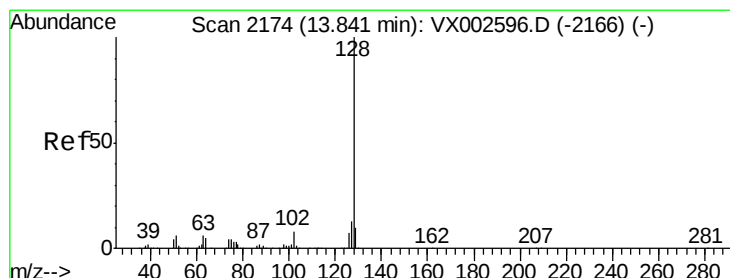
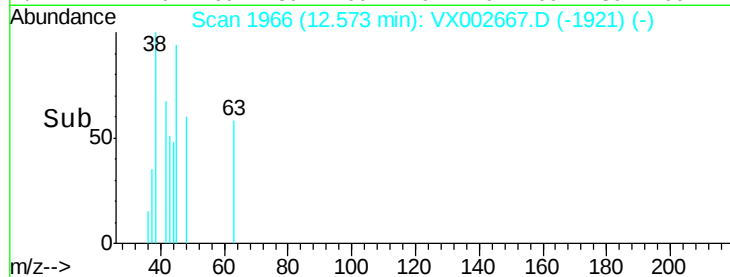
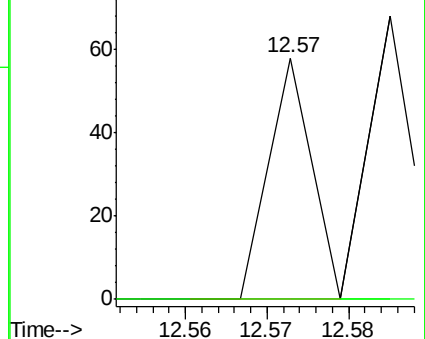
117 100

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



#95

Naphthalene

Concen: 0.856 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002667.D

Acq: 17 Jun 2018 00:17

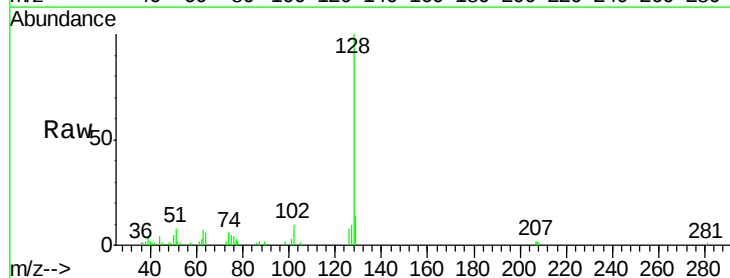
Tgt Ion:128 Resp: 9037

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 12.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

