

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002663.D
 Acq On : 16 Jun 2018 22:31
 Operator : JC/MD
 Sample : J3509-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 18 01:41:15 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	210921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155738	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	144288	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
35) Dibromofluoromethane	5.51	113	111637	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.72	98	427687	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
62) 4-Bromofluorobenzene	11.14	95	147125	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	

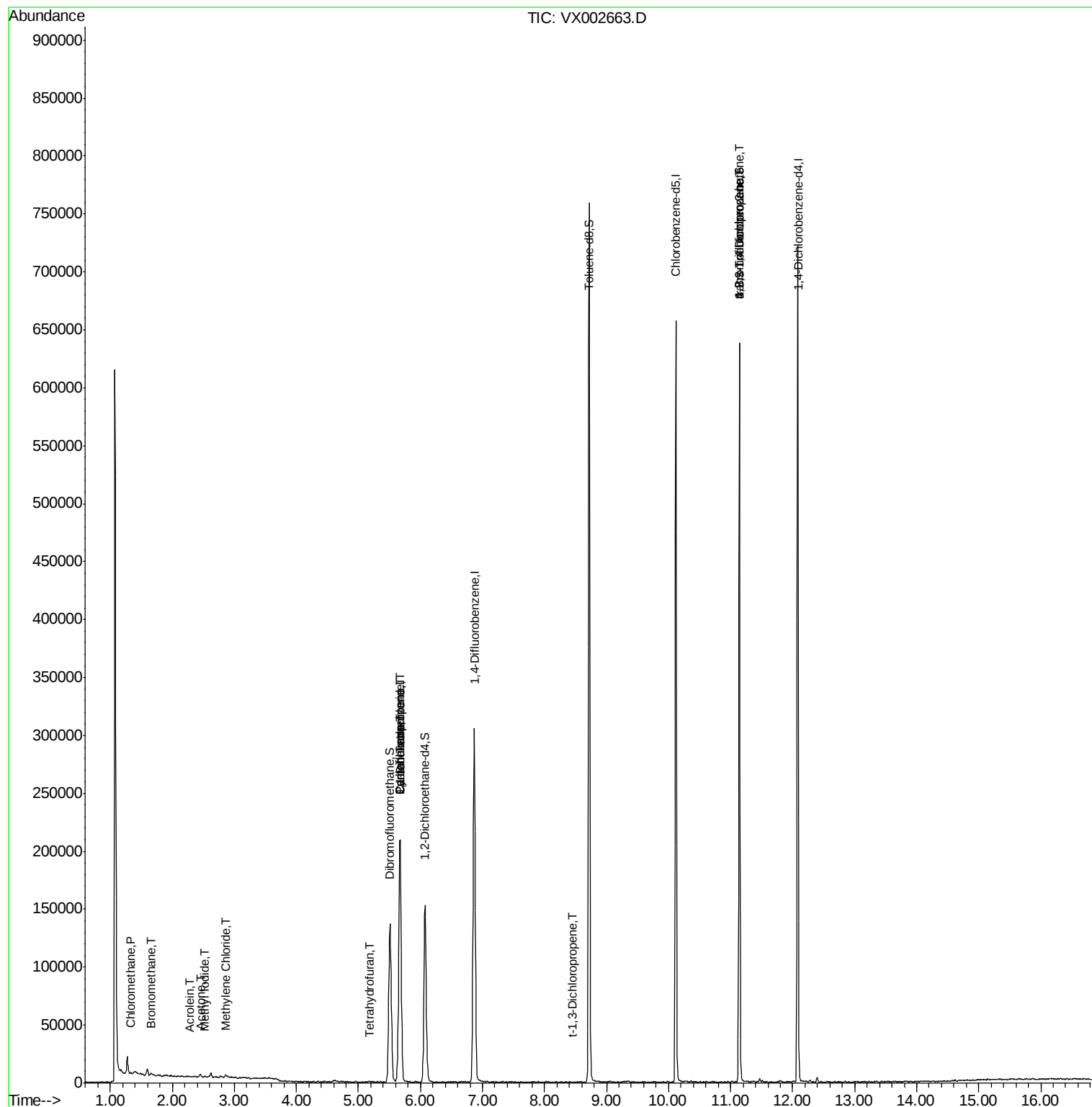
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	690	0.259	ug/l #	70
5) Bromomethane	1.67	94	1448	0.868	ug/l	85
10) Methyl Iodide	2.51	142	1056	5.461	ug/l #	89
13) Acrolein	2.27	56	160	7.364	ug/l	99
16) Acetone	2.45	43	2283	1.614	ug/l #	82
20) Methylene Chloride	2.86	84	802	0.277	ug/l #	77
29) Tetrahydrofuran	5.18	42	581	0.477	ug/l #	68
31) Cyclohexane	5.68	56	4443	1.174	ug/l #	30
36) 1,1-Dichloropropene	5.67	75	14738	4.624	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19706	6.209	ug/l #	16
53) t-1,3-Dichloropropene	8.45	75	19	2.398	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	78887	26.844	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	78887	82.890	ug/l #	7

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

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Quant Time: Jun 18 01:41:15 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# 834

Delta R.T. 0.00 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

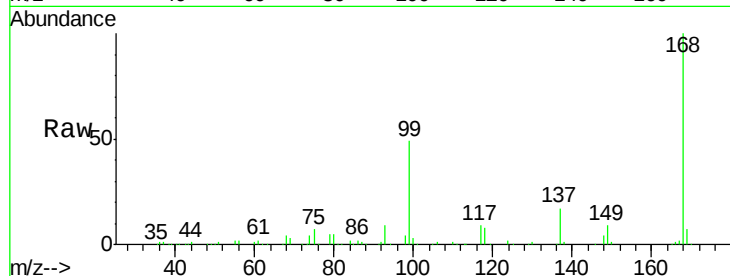
TRIP-BLANK

Tot Ion:168 Resp: 210921

Ion Ratio Lower Upper

168 100

99 48.9 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

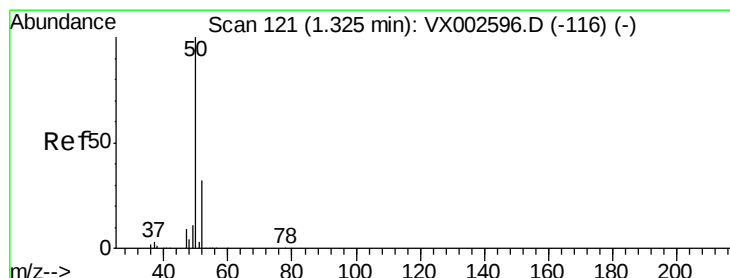
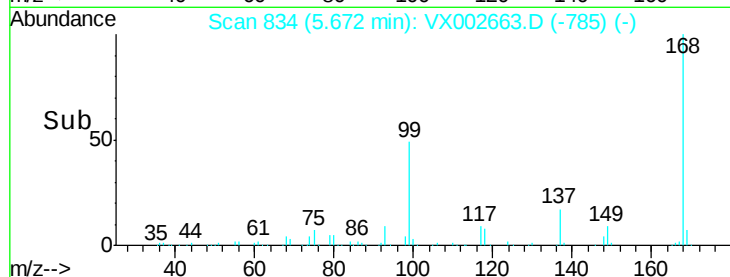
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002663.D

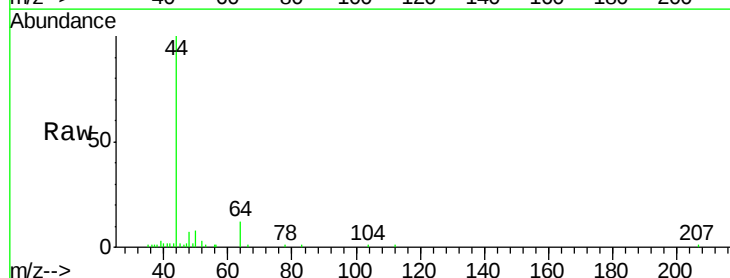
Acq: 16 Jun 2018 22:31

Tgt Ion: 50 Resp: 690

Ion Ratio Lower Upper

50 100

52 48.7 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

500

400

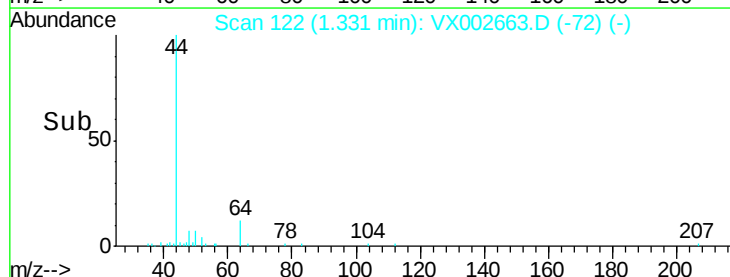
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.868 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampled :

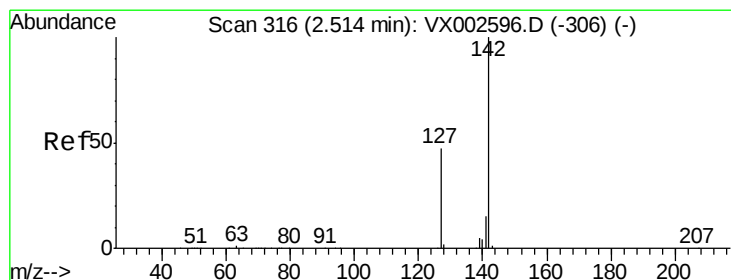
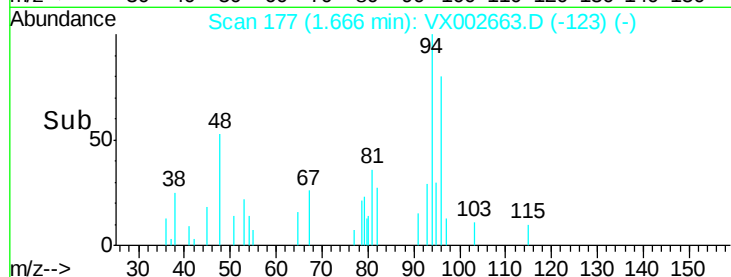
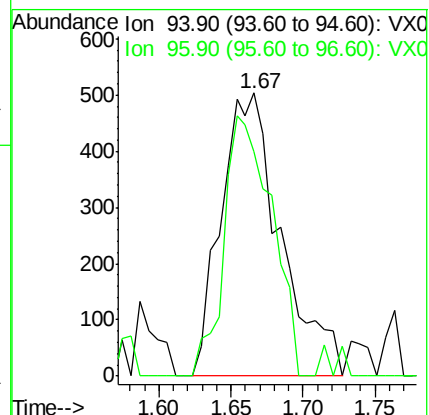
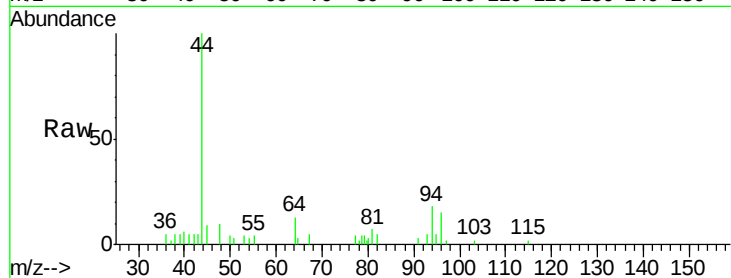
TRIP-BLANK

Tot Ion: 94 Resp: 1448

Ion Ratio Lower Upper

94 100

96 79.5 74.9 112.3



#10

Methyl Iodide

Concen: 5.461 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

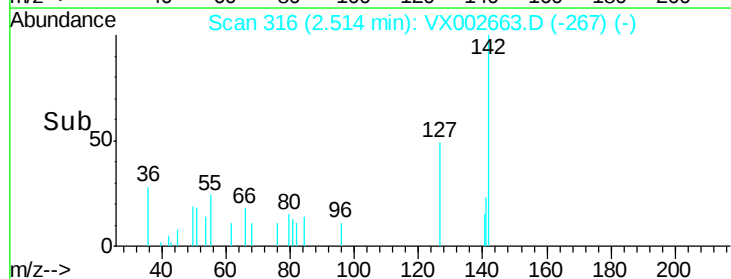
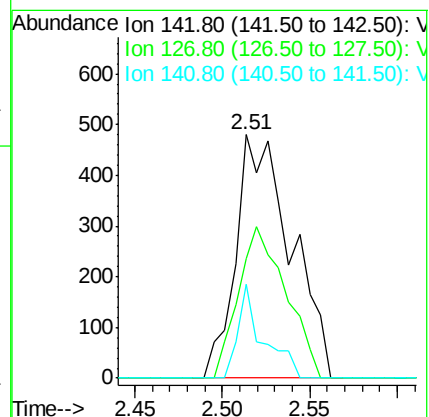
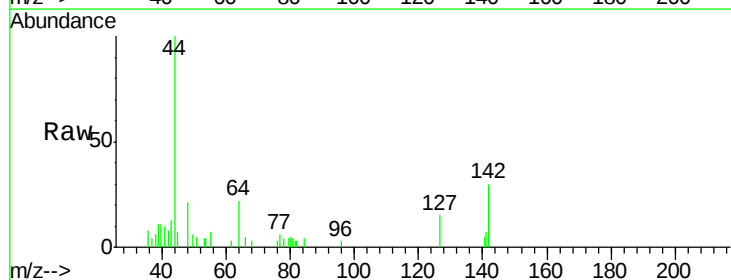
Tgt Ion: 142 Resp: 1056

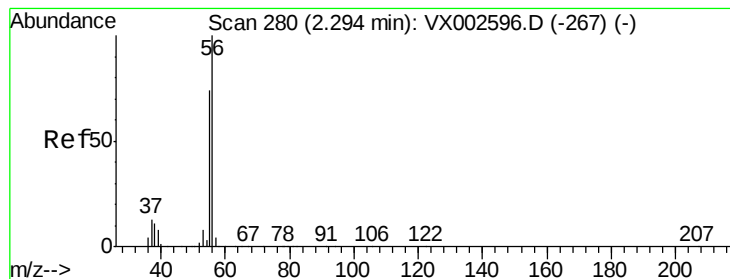
Ion Ratio Lower Upper

142 100

127 53.3 36.6 55.0

141 17.5 11.3 16.9#





#13

Acrolein

Concen: 7.364 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

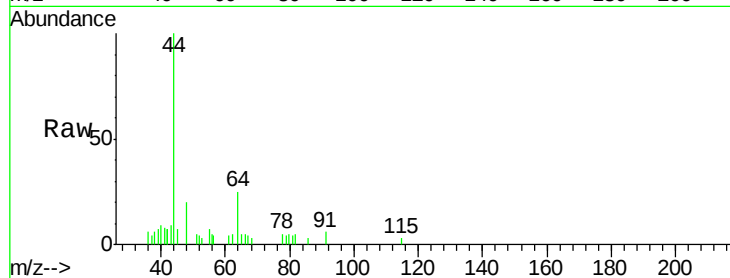
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Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

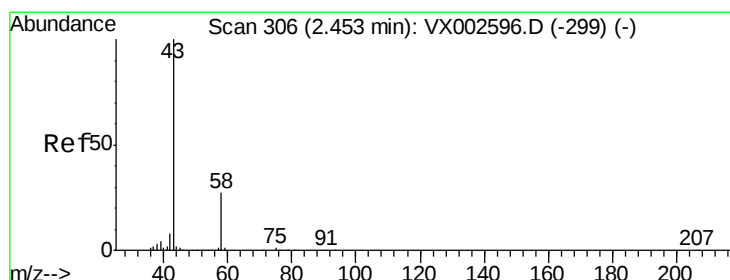
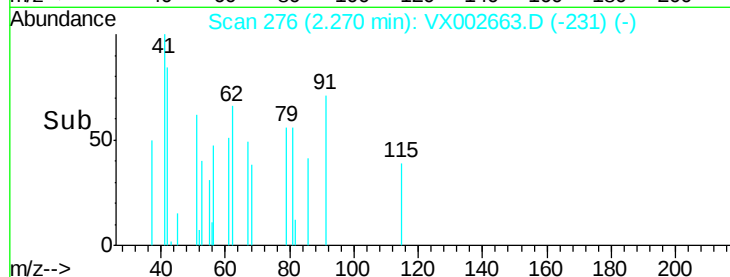
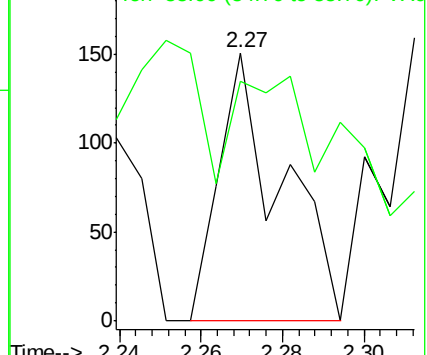
56 100

55 70.6 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.614 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002663.D

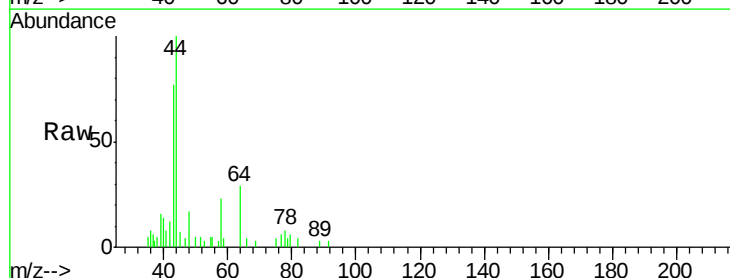
Acq: 16 Jun 2018 22:31

Tgt Ion: 43 Resp: 2283

Ion Ratio Lower Upper

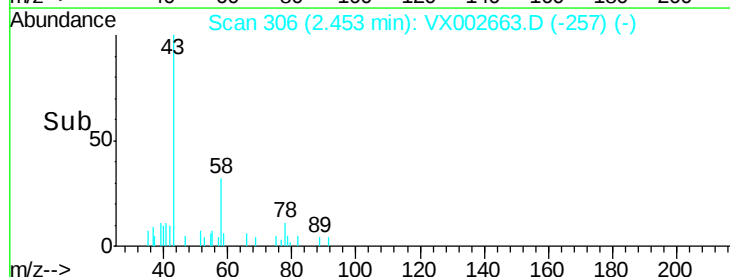
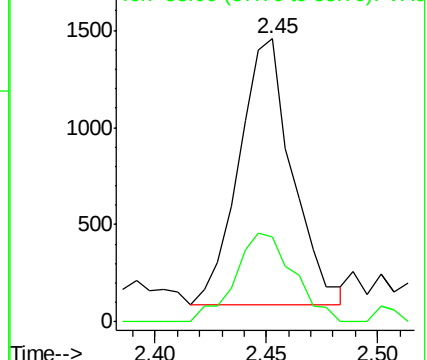
43 100

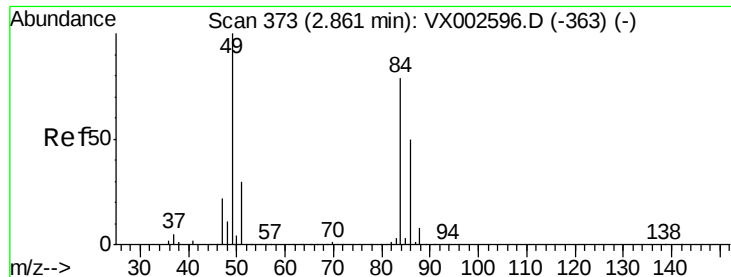
58 37.3 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

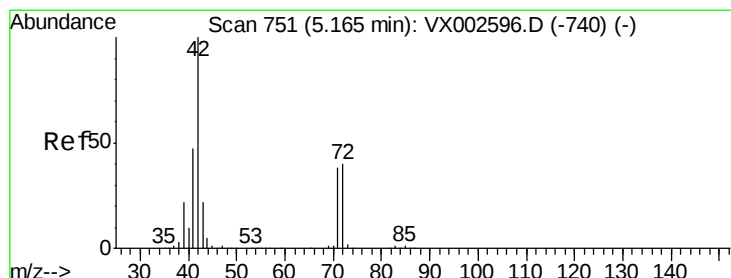
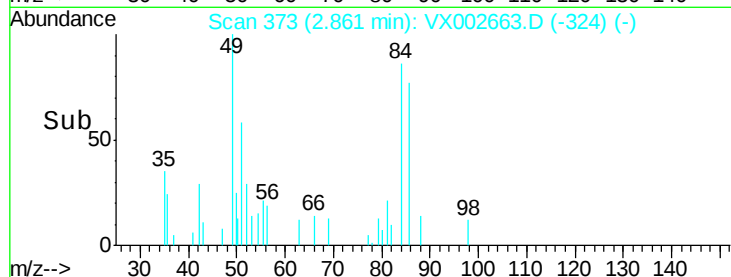
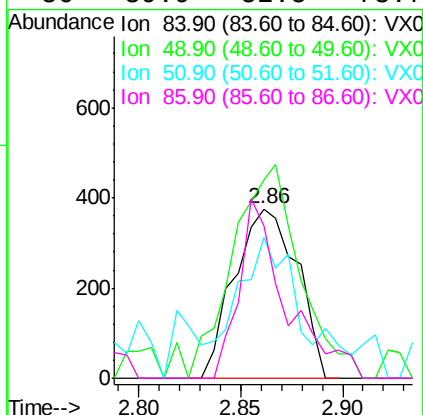
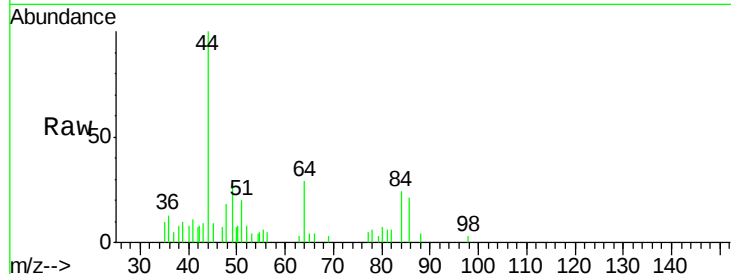




#20
Methvlene Chloride
Concen: 0.277 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

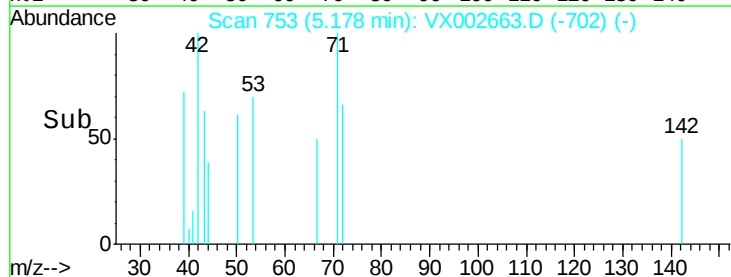
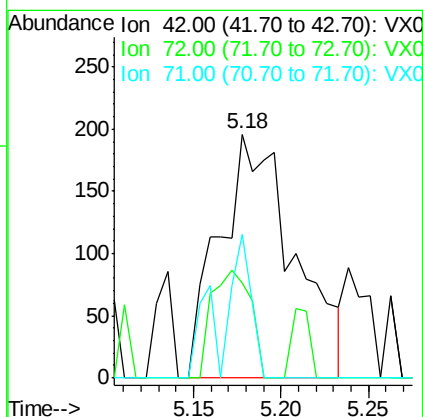
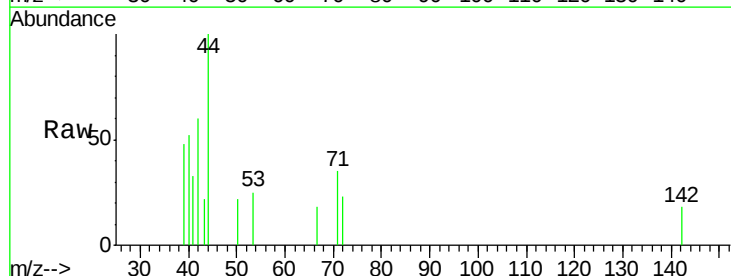
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

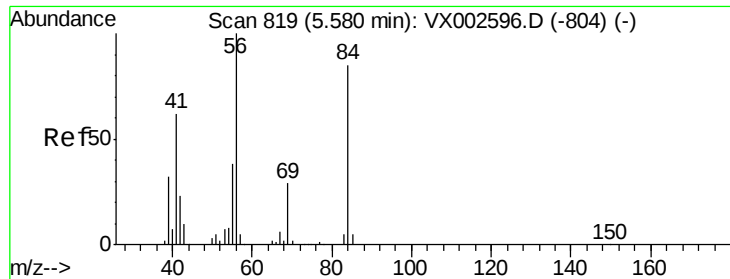
Tot Ion: 84 Resp: 802
Ion Ratio Lower Upper
84 100
49 116.8 107.8 161.6
51 63.3 32.8 49.2#
86 89.9 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.477 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

Tgt Ion: 42 Resp: 581
Ion Ratio Lower Upper
42 100
72 23.1 32.0 48.0#
71 15.7 30.1 45.1#

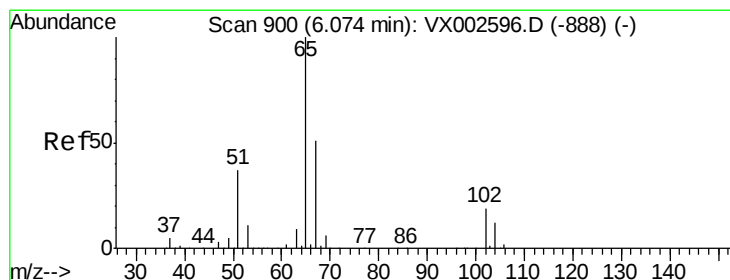
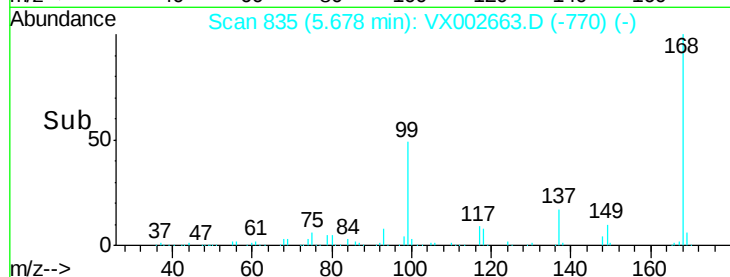
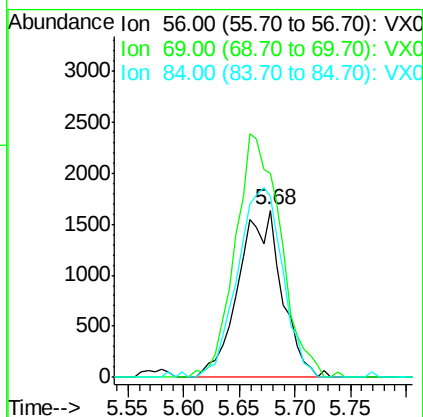
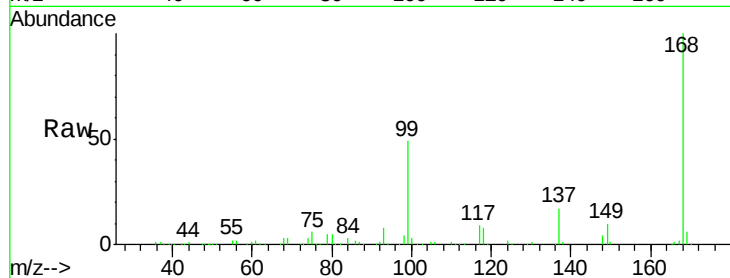




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.10 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

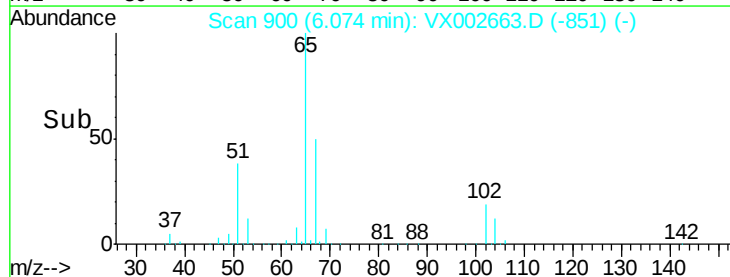
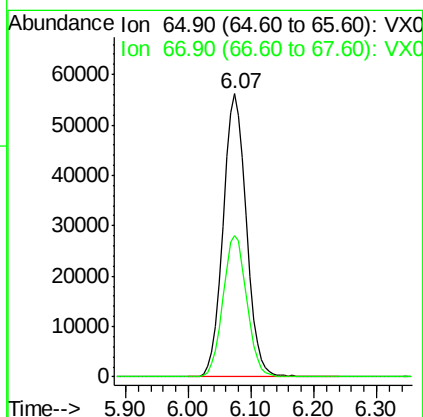
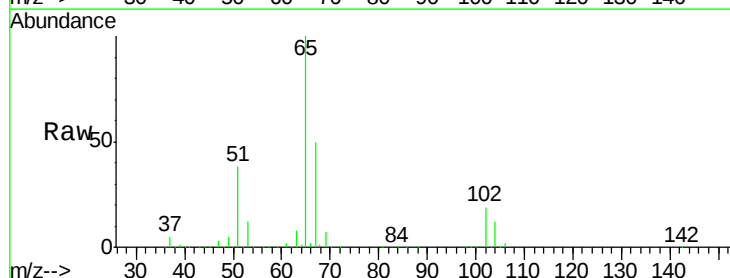
Instrument :
MSVOA_X
ClientSampleId :
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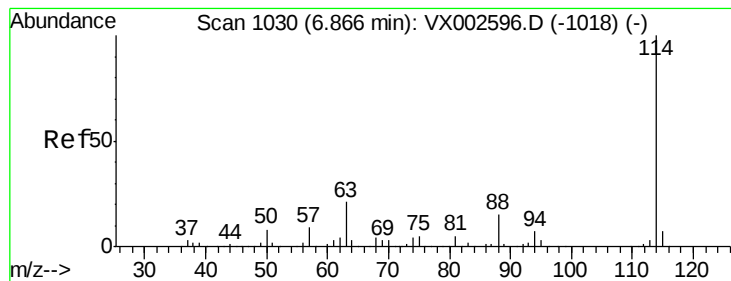
Tot Ion: 56 Resp: 4443
Ion Ratio Lower Upper
56 100
69 121.9 23.7 35.5#
84 108.3 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 45.017 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

Tgt Ion: 65 Resp: 144288
Ion Ratio Lower Upper
65 100
67 50.9 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: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

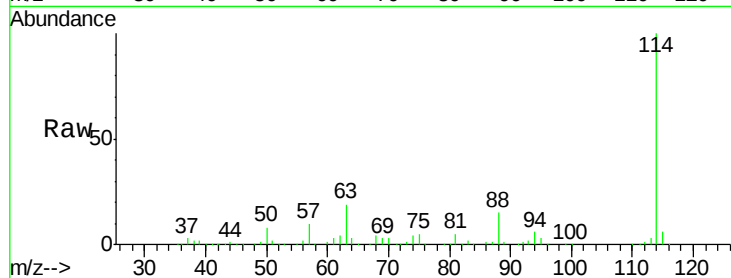
Tot Ion:114 Resp: 300110

Ion Ratio Lower Upper

114 100

63 19.1 0.0 41.4

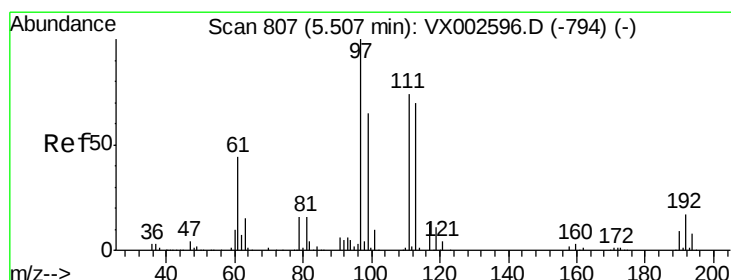
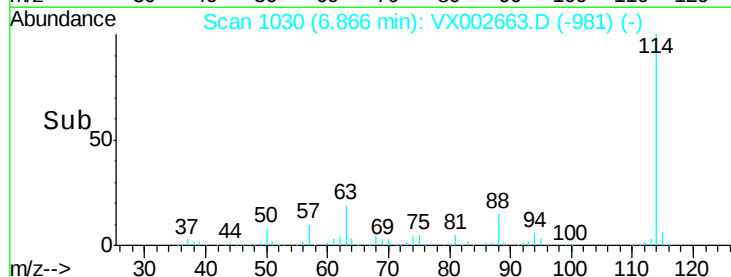
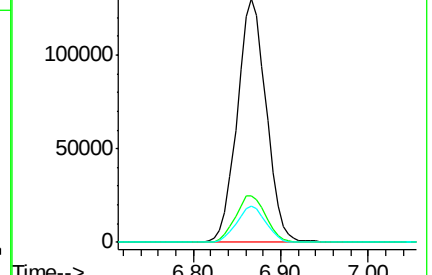
88 15.2 0.0 30.0



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: 46.609 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

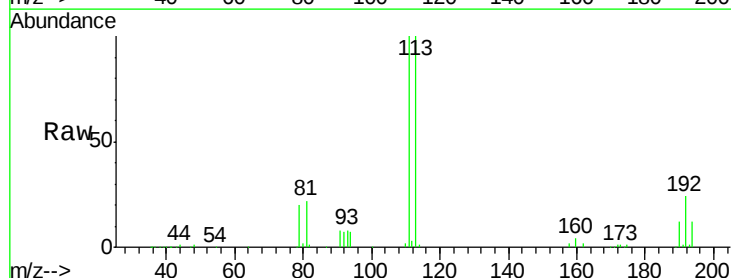
Tgt Ion:113 Resp: 111637

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

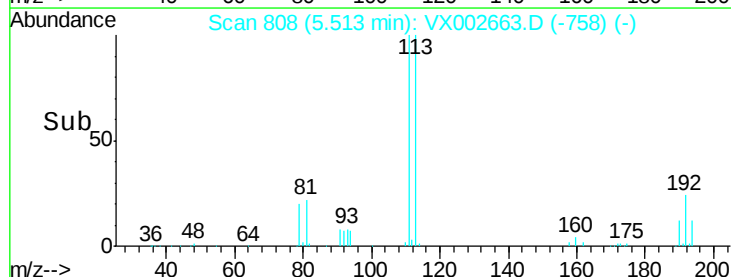
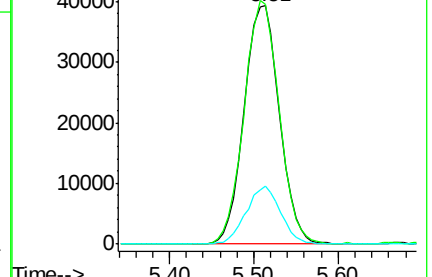
192 23.6 19.1 28.7

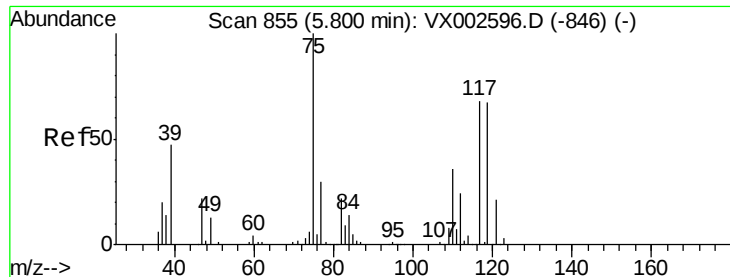


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

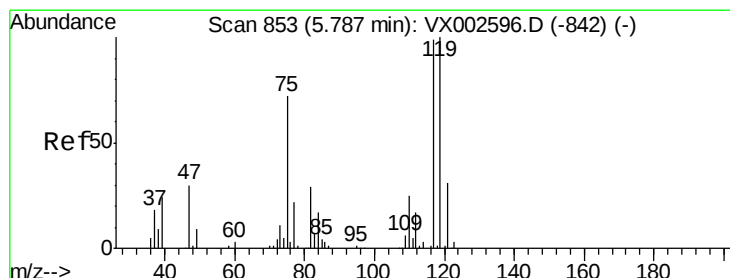
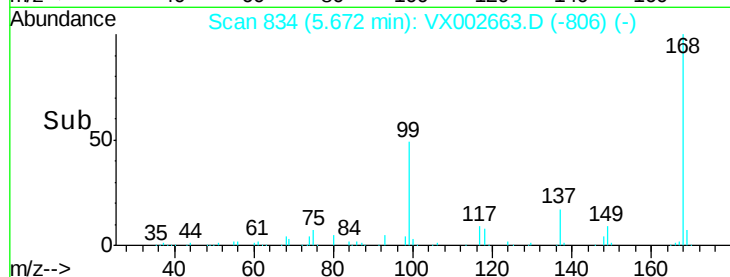
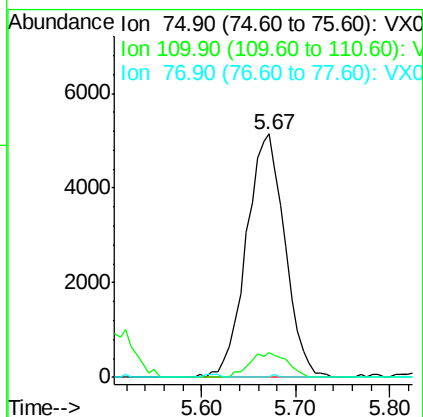
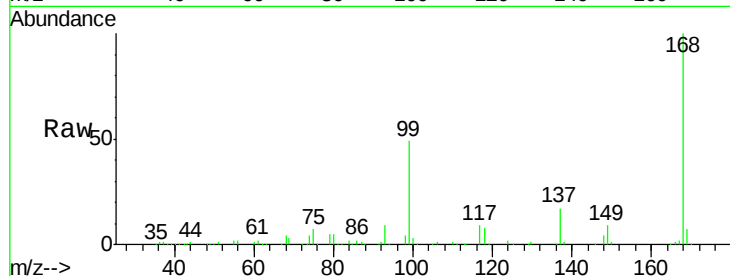




#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002663.D
 Acq: 16 Jun 2018 22:31

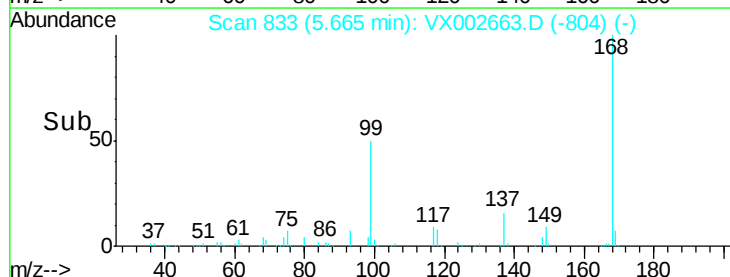
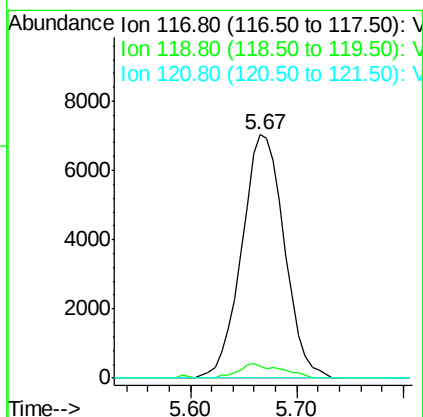
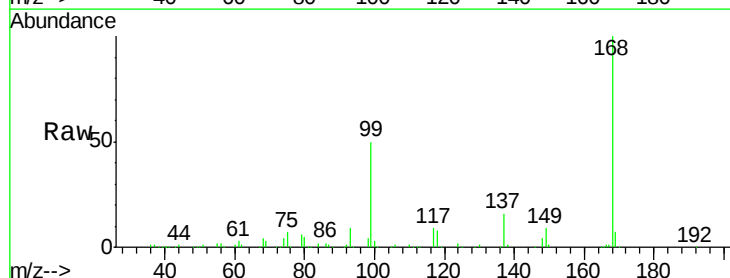
Instrument :
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 ClientSampleId :
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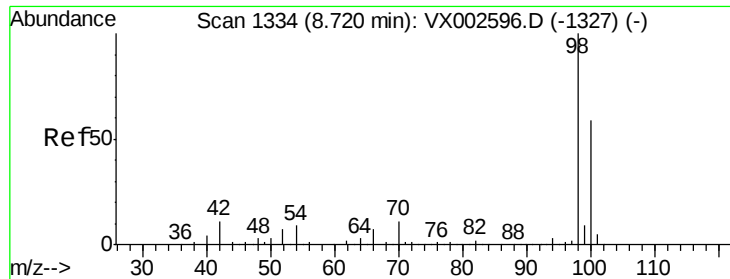
Tot Ion: 75 Resp: 14738
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.2 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.209 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002663.D
 Acq: 16 Jun 2018 22:31

Tgt Ion: 117 Resp: 19706
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.4 116.0#
 121 0.0 24.4 36.6#

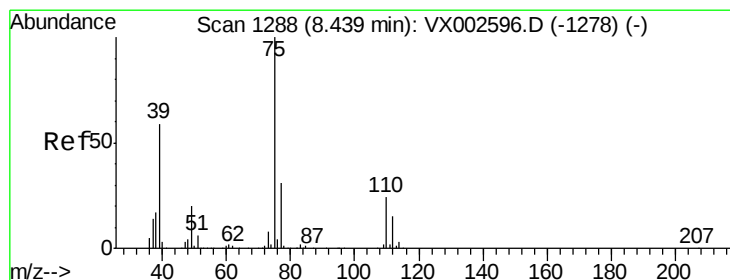
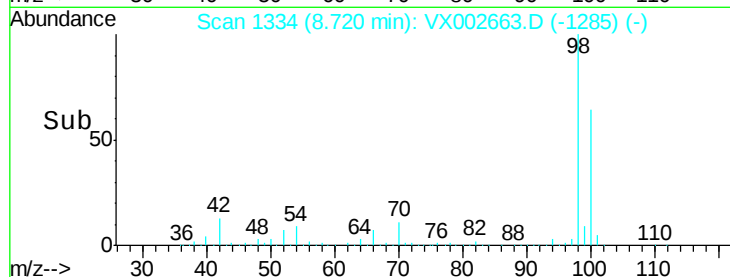
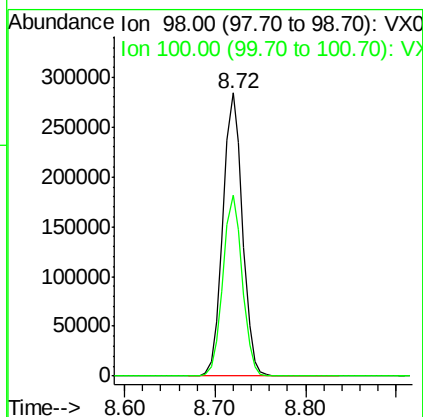
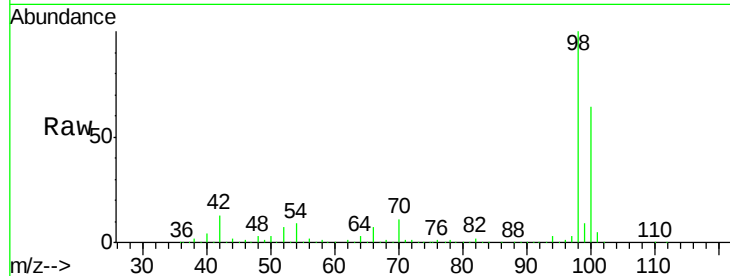




#50
Toluene-d8
Concen: 47.028 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

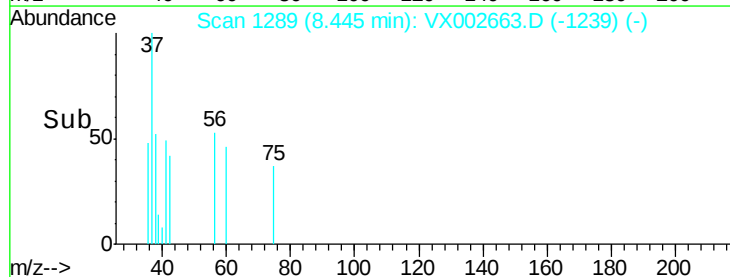
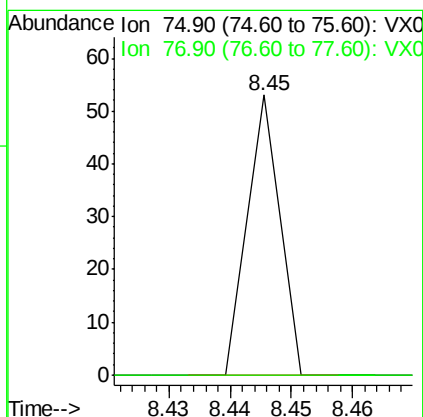
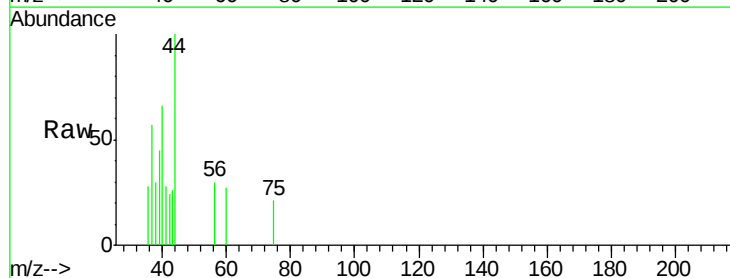
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

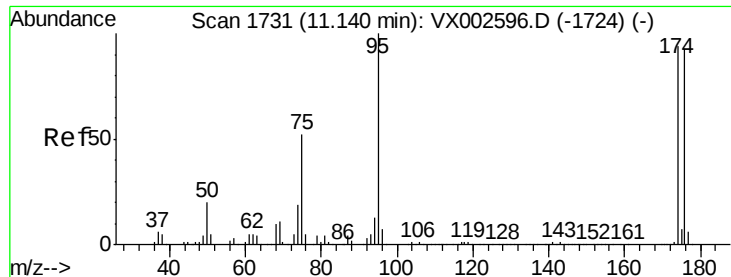
Tot Ion: 98 Resp: 427687
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.398 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX002663.D
Acq: 16 Jun 2018 22:31

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#





#62

4-Bromofluorobenzene

Concen: 42.692 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

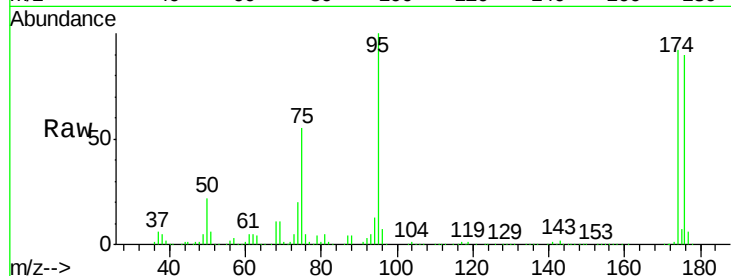
Tot Ion: 95 Resp: 147125

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

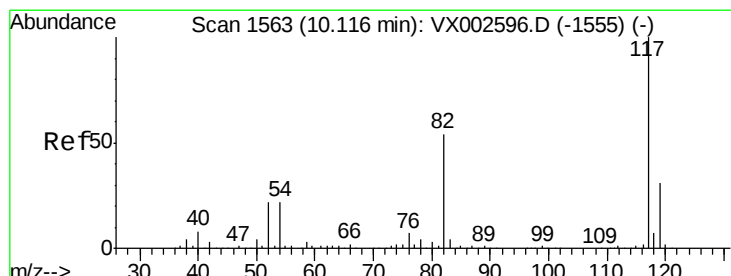
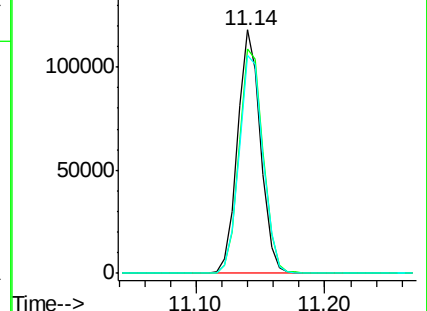
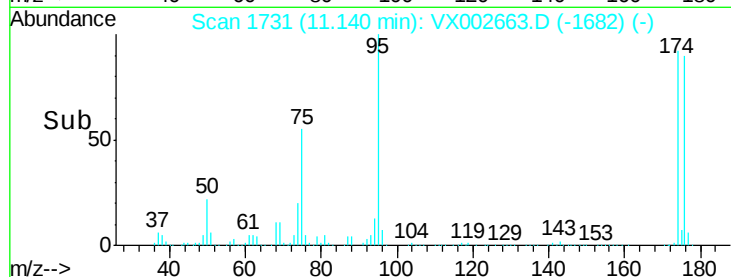
176 93.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002663.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002663.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002663.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

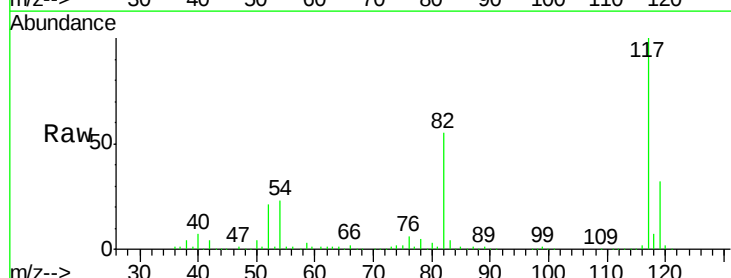
Tgt Ion: 117 Resp: 279226

Ion Ratio Lower Upper

117 100

82 54.6 45.0 67.4

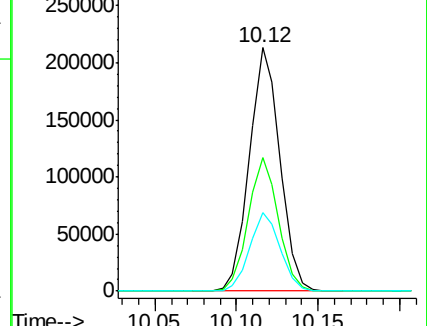
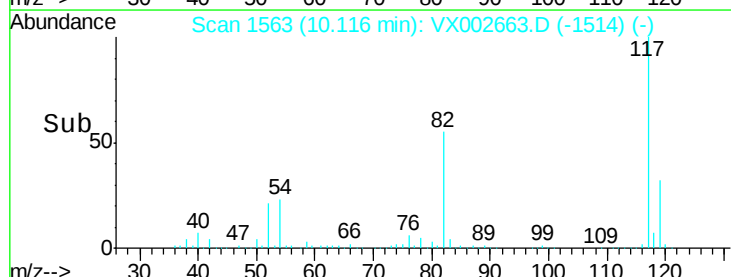
119 32.0 25.8 38.6

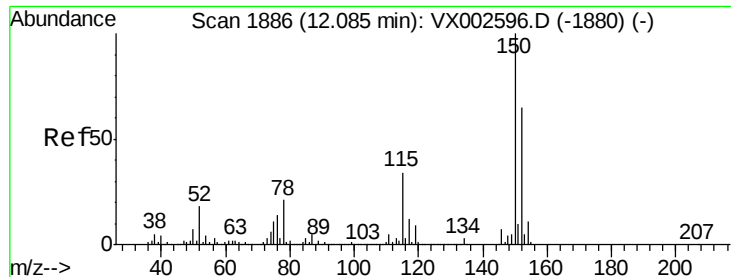


Abundance Ion 116.90 (116.60 to 117.60): VX002663.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002663.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002663.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

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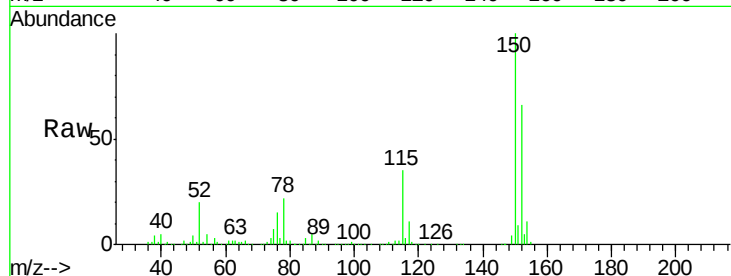
Tot Ion:152 Resp: 155738

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

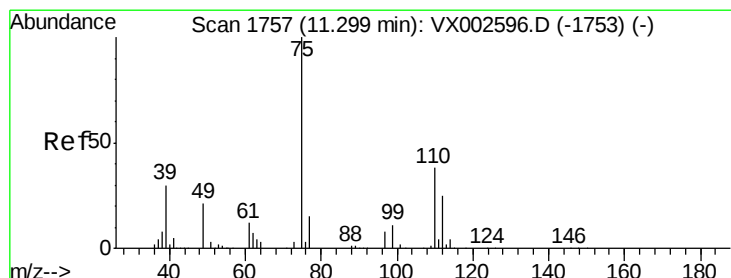
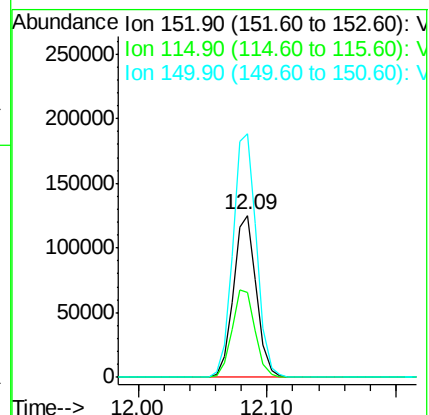
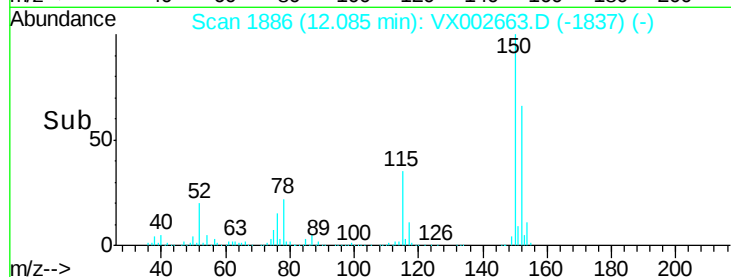
150 155.6 0.0 347.2



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: 26.844 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002663.D

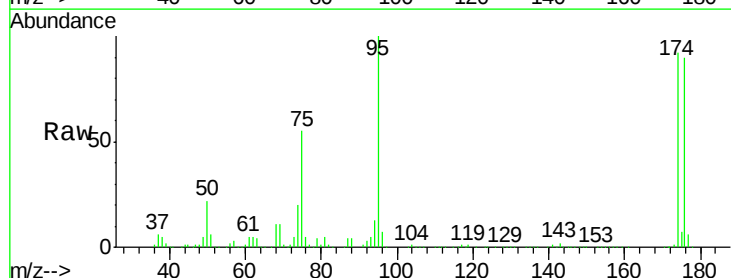
Acq: 16 Jun 2018 22:31

Tgt Ion: 75 Resp: 78887

Ion Ratio Lower Upper

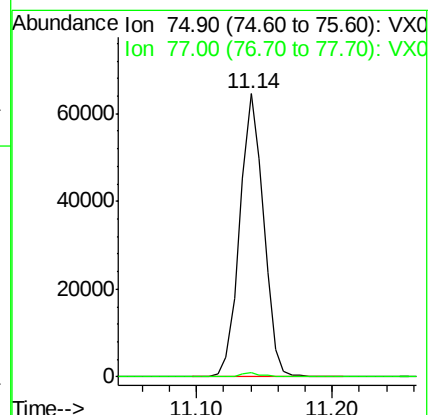
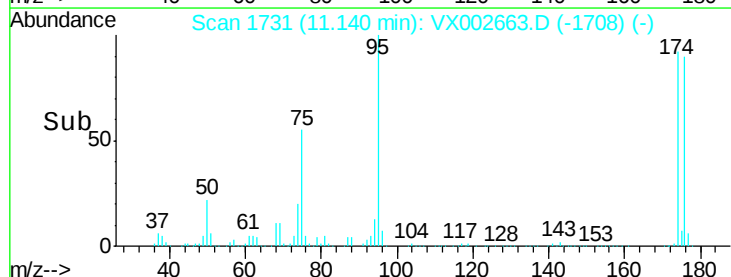
75 100

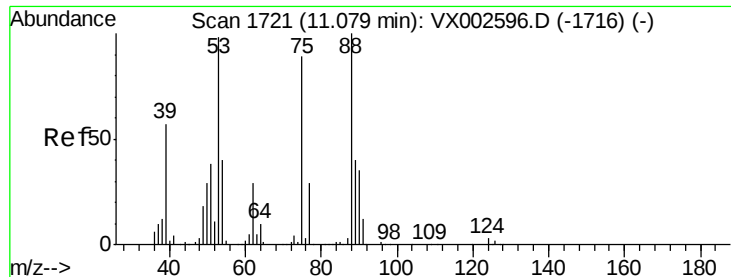
77 1.4 22.8 68.3#



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: 82.890 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002663.D

Acq: 16 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

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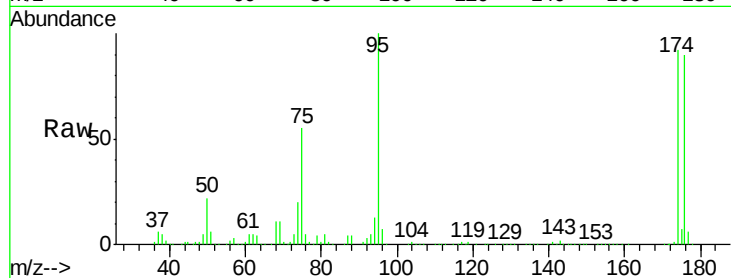
Tot Ion: 75 Resp: 78887

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

