

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005460.D
 Acq On : 19 Oct 2018 16:06
 Operator : JC/MD
 Sample : J5597-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Oct 20 04:21:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

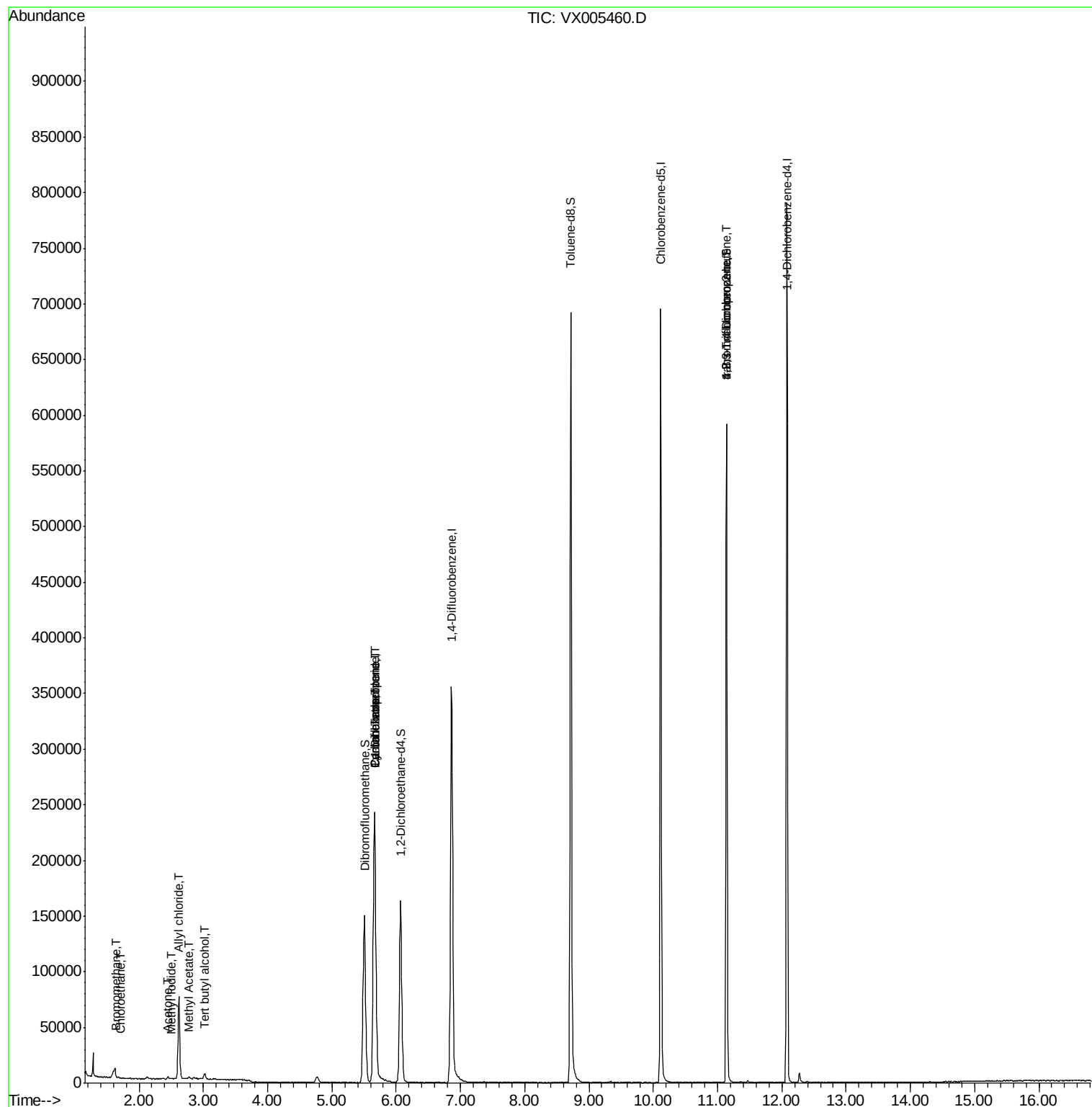
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	261261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163713	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	154710	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
35) Dibromofluoromethane	5.51	113	123013	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	443050	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.14	95	143911	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	
Target Compounds				Qvalue		
5) Bromomethane	1.64	94	412	0.825	ug/l	99
6) Chloroethane	1.70	64	22	0.346	ug/l #	44
10) Methyl Iodide	2.51	142	149	2.545	ug/l #	79
11) Tert butyl alcohol	3.02	59	3238	3.959	ug/l #	78
13) Acrolein	2.30	56	87	Below Cal	#	1
14) Allyl chloride	2.62	41	7098	1.413	ug/l #	66
16) Acetone	2.45	43	2091	1.247	ug/l #	87
18) Methyl Acetate	2.78	43	1885	0.395	ug/l	93
20) Methylene Chloride	2.85	84	554	Below Cal		86
31) Cyclohexane	5.67	56	4468	1.121	ug/l #	20
36) 1,1-Dichloropropene	5.67	75	16329	4.488	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22708	6.211	ug/l #	15
44) Trichloroethene	7.21	130	40	Below Cal		72
76) 1,2,3-Trichloropropane	11.14	75	70637	22.244	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	70637	67.588	ug/l #	10

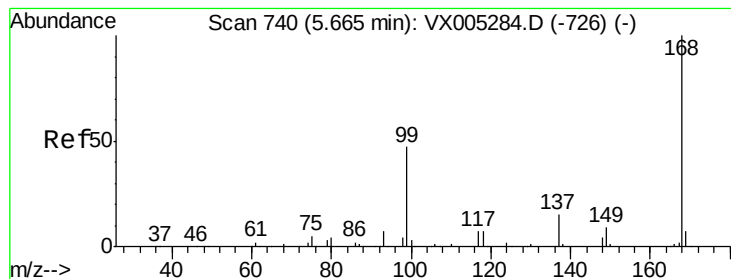
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

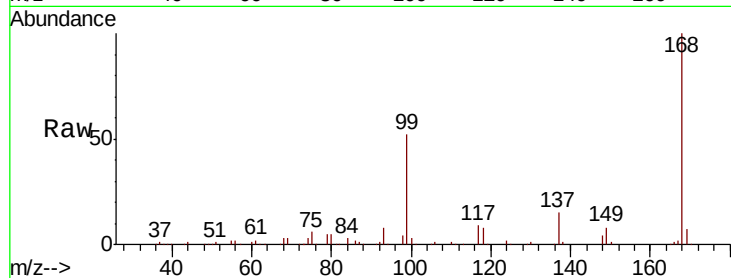
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 261261

Ion Ratio Lower Upper

168 100

99 51.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

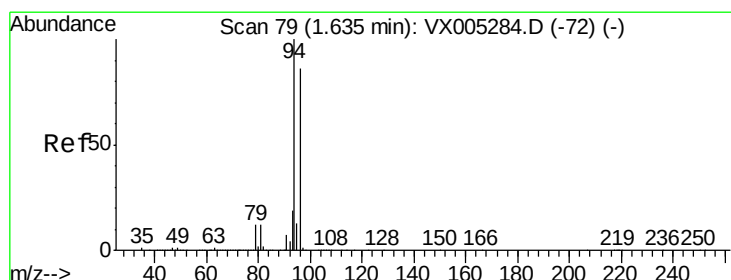
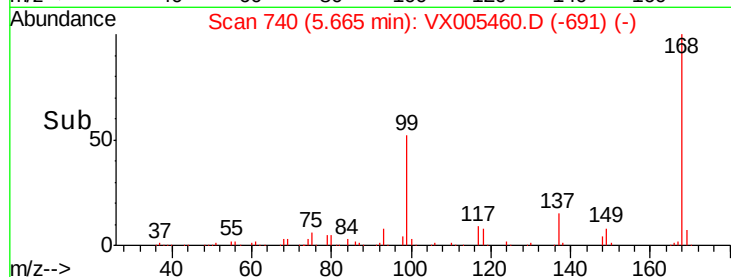
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.825 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005460.D

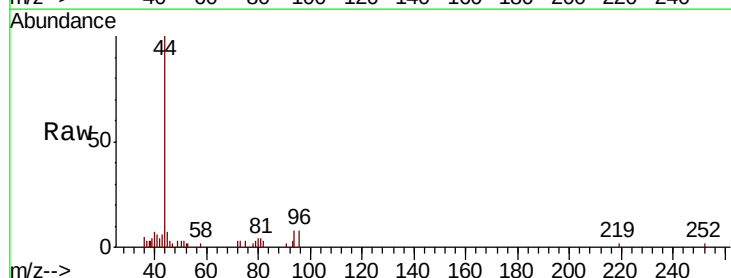
Acq: 19 Oct 2018 16:06

Tgt Ion: 94 Resp: 412

Ion Ratio Lower Upper

94 100

96 94.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

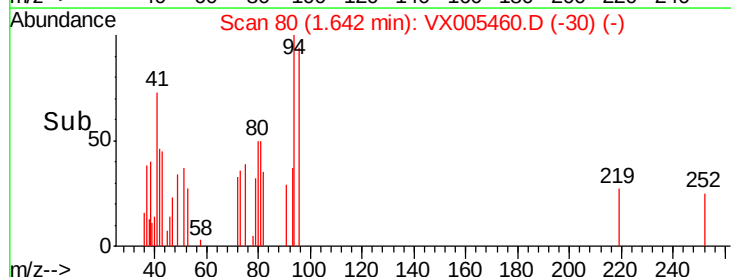
100

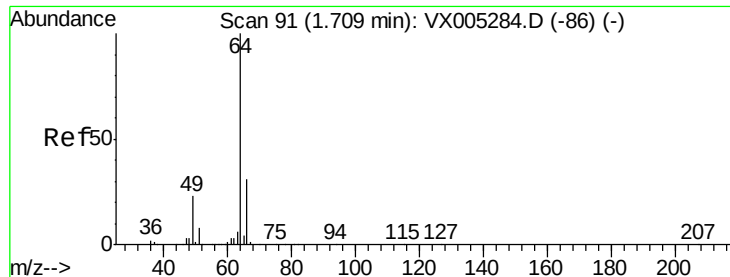
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.346 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

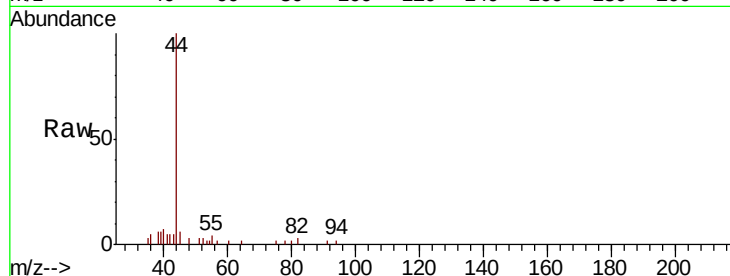
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 64 Resp: 22

Ion Ratio Lower Upper

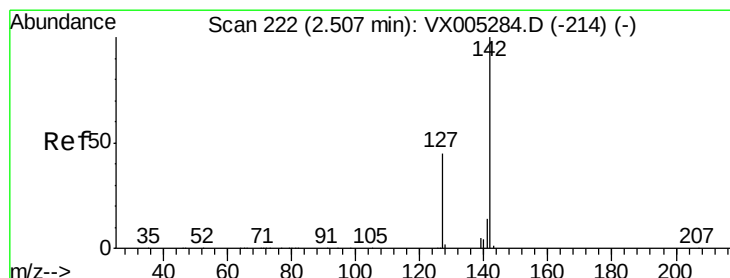
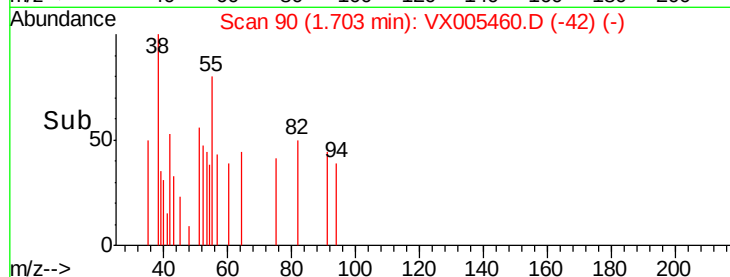
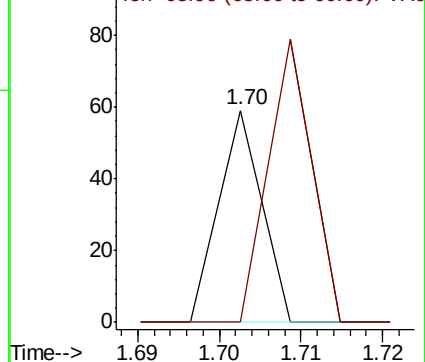
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.545 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

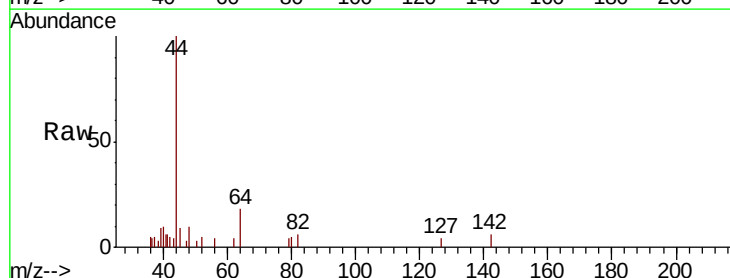
Tgt Ion: 142 Resp: 149

Ion Ratio Lower Upper

142 100

127 32.2 33.8 50.6#

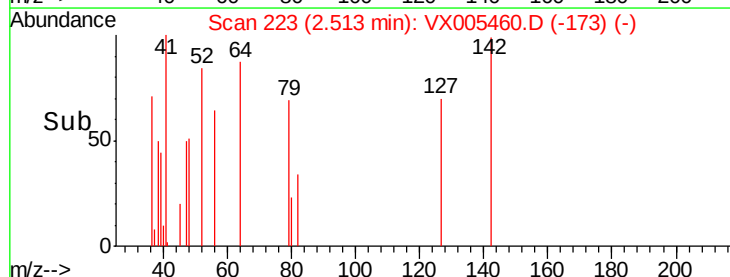
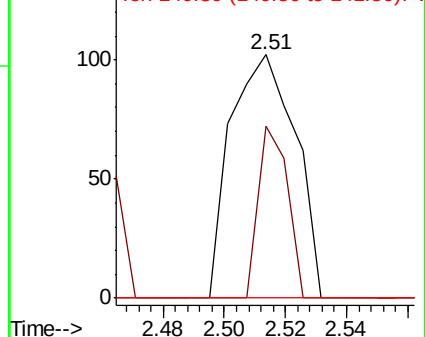
141 0.0 11.4 17.0#

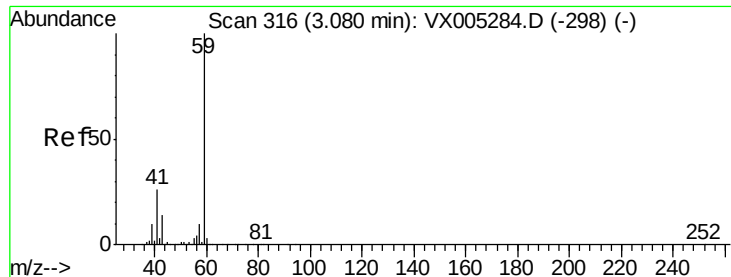


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

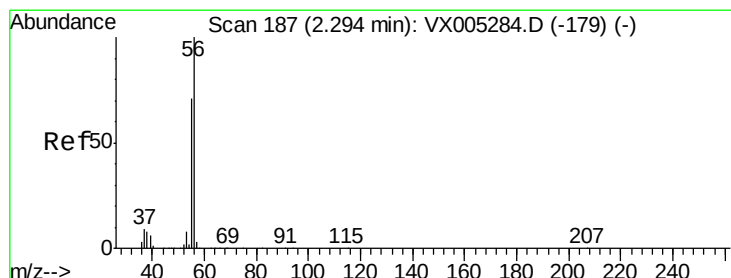
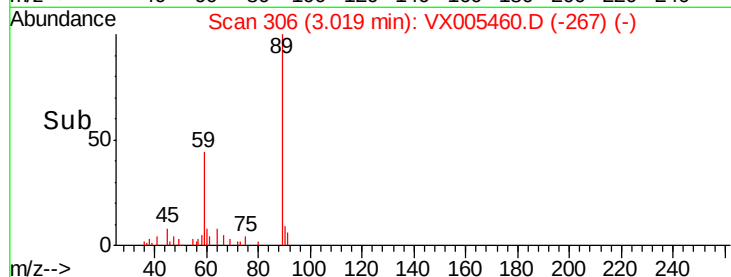
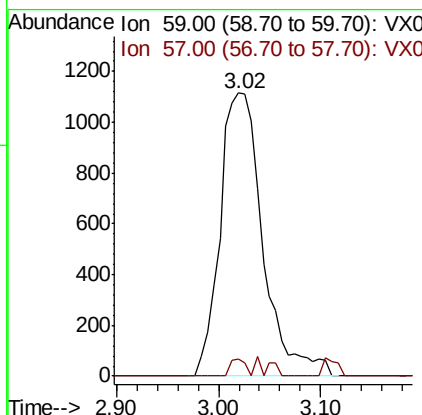
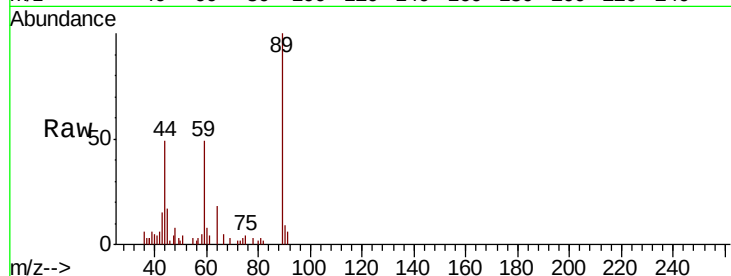




#11
Tert butyl alcohol
Concen: 3.959 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

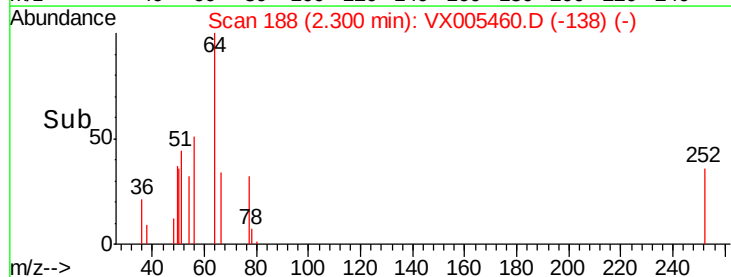
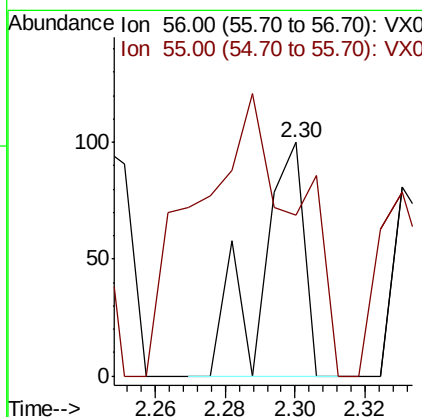
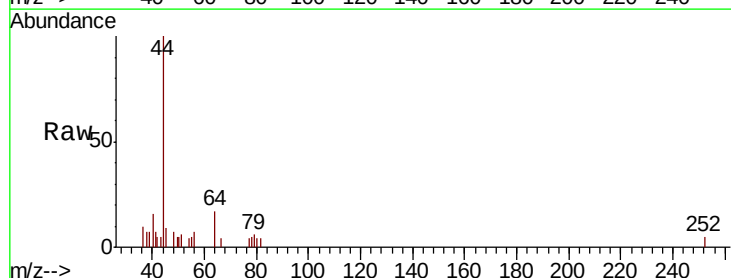
Instrument :
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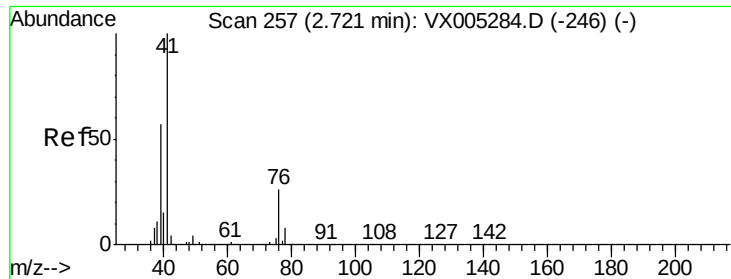
Tot Ion: 59 Resp: 3238
Ion Ratio Lower Upper
59 100
57 2.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 275.9 54.7 82.1#

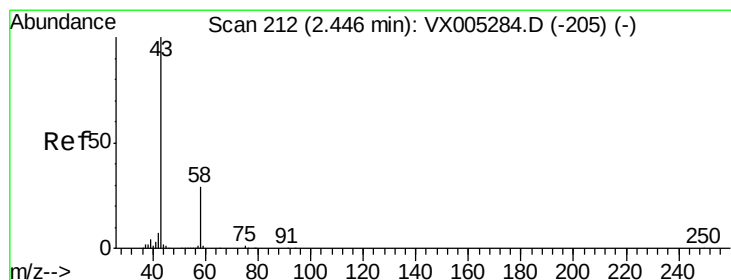
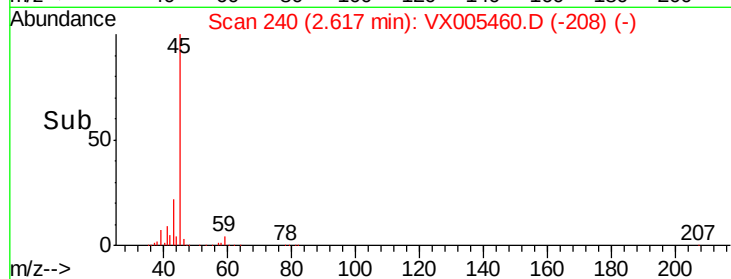
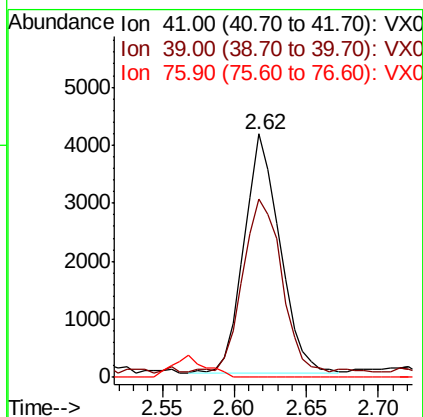
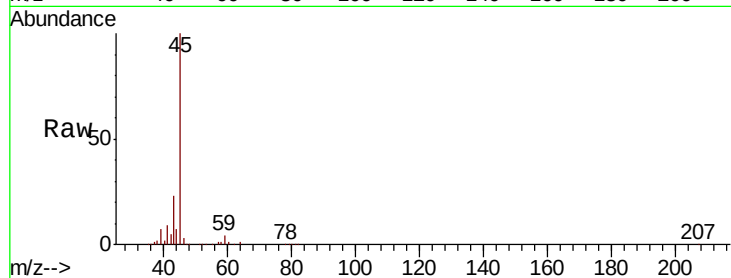




#14
Allvl chloride
Concen: 1.413 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

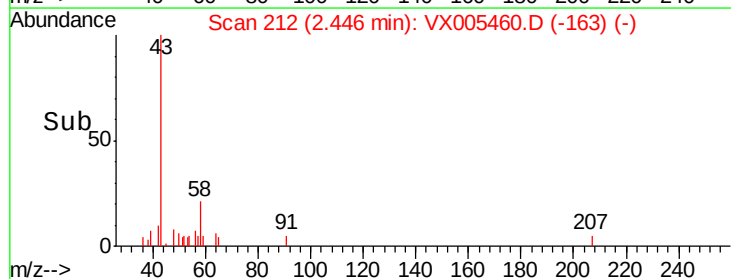
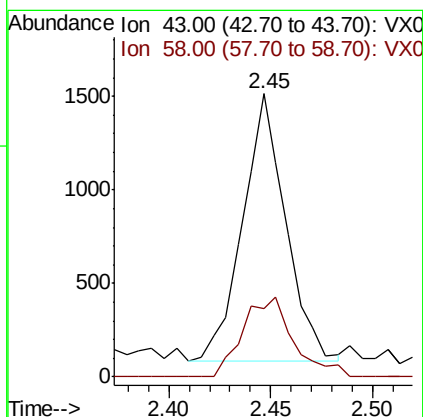
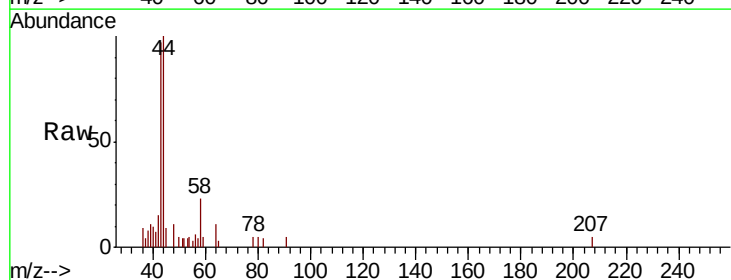
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

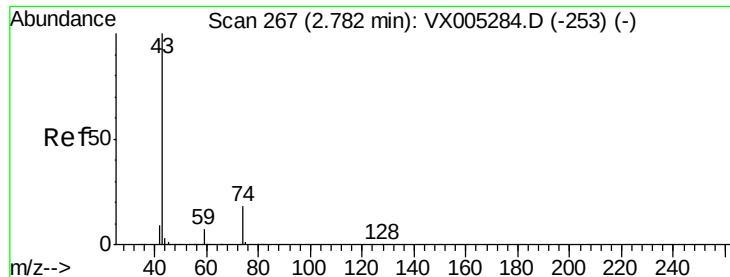
Tot Ion: 41 Resp: 7098
Ion Ratio Lower Upper
41 100
39 77.3 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 1.247 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
58 25.5 26.2 39.4#

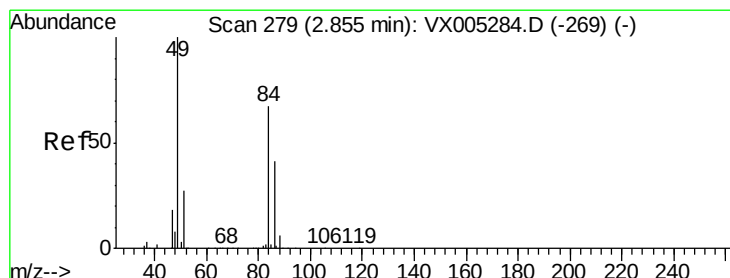
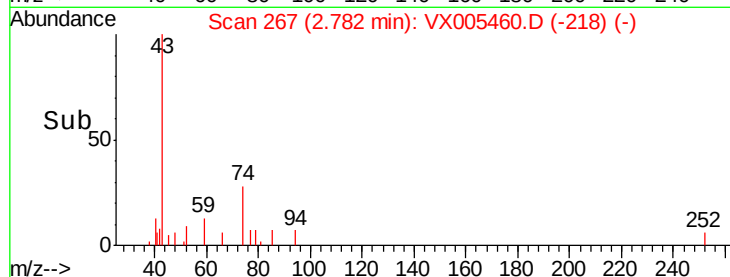
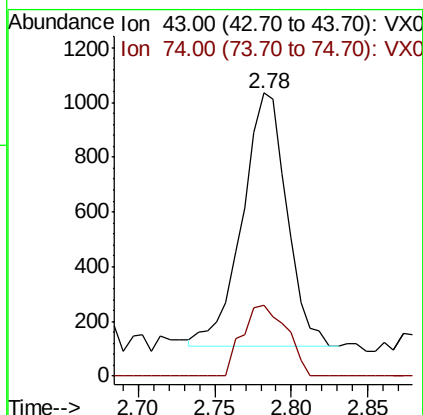
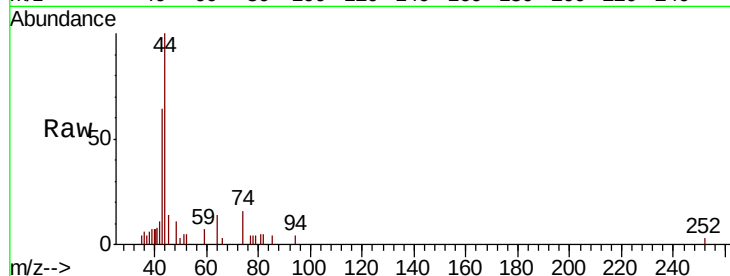




#18
Methyl Acetate
Concen: 0.395 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

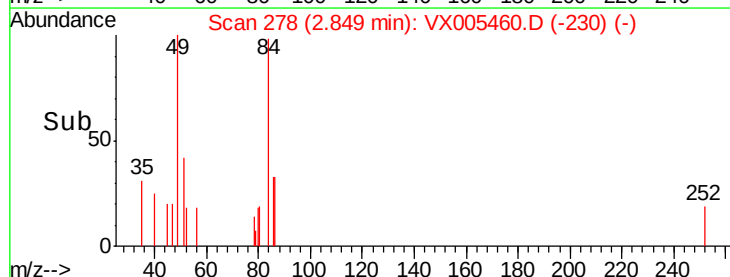
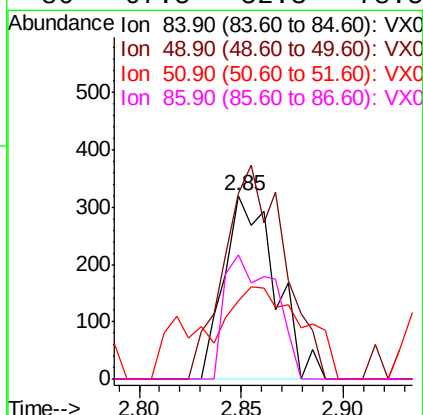
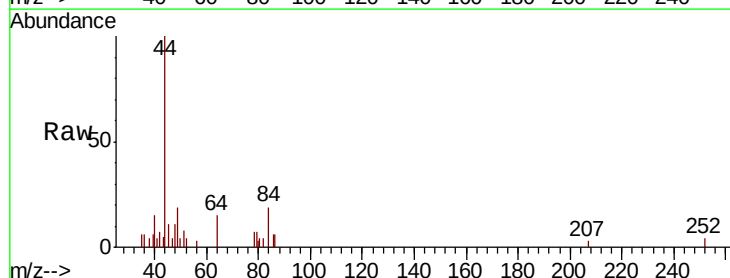
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ClientSampleId :
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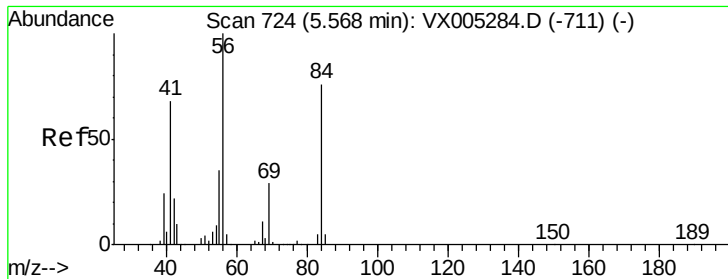
Tot Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
74 27.7 19.4 29.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

Tgt Ion: 84 Resp: 554
Ion Ratio Lower Upper
84 100
49 101.6 101.2 151.8
51 42.8 29.5 44.3
86 67.5 52.3 78.5

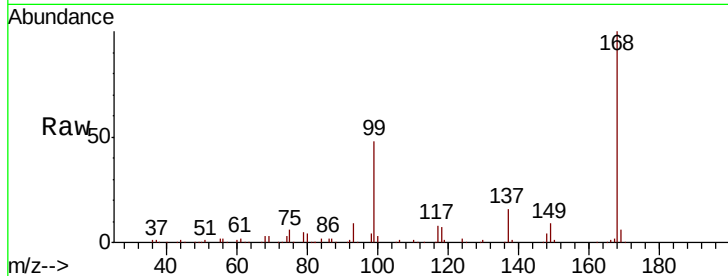




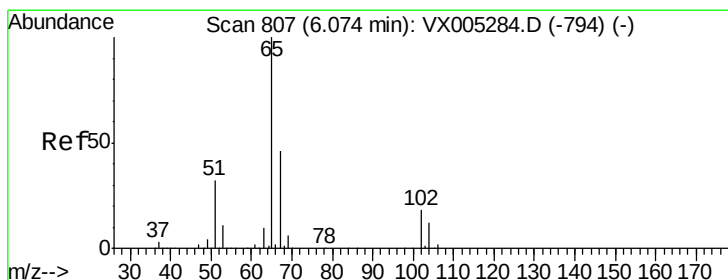
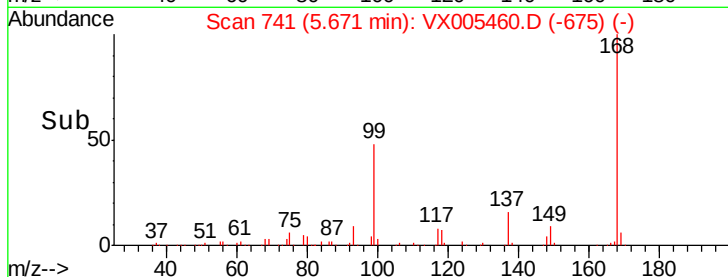
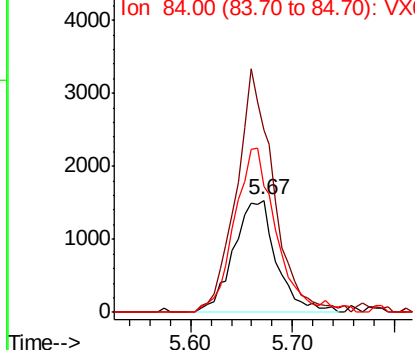
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 4468
Ion Ratio Lower Upper
56 100
69 163.0 25.4 38.2#
84 112.1 71.4 107.2#

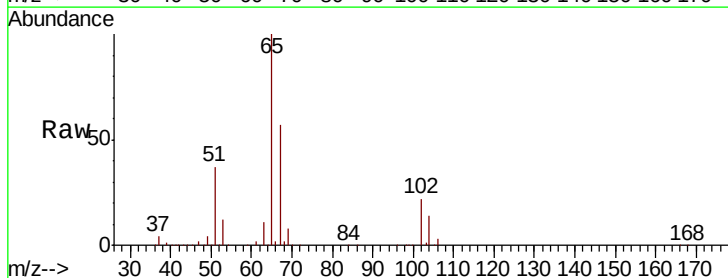


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

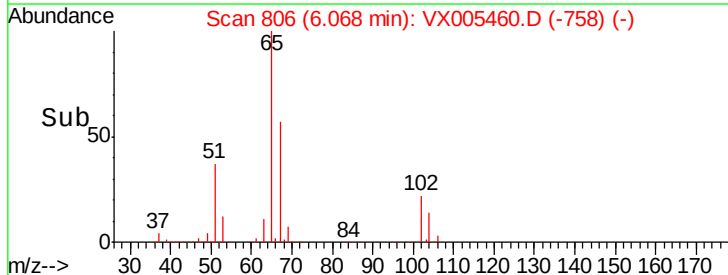
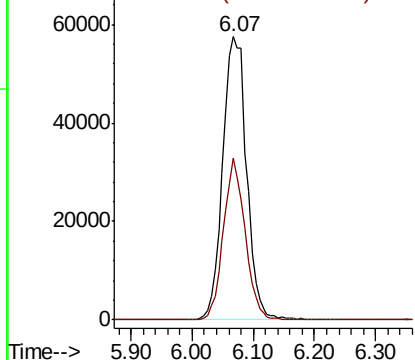


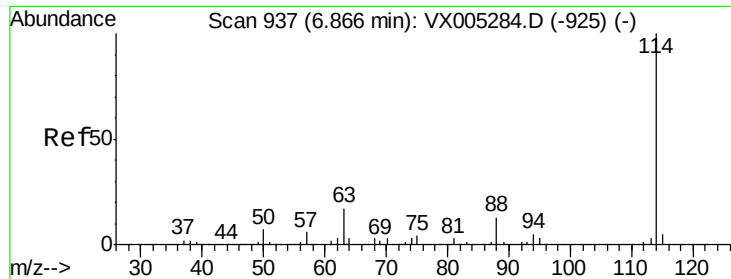
#33
1,2-Dichloroethane-d4
Concen: 53.356 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005460.D
Acq: 19 Oct 2018 16:06

Tgt Ion: 65 Resp: 154710
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8



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

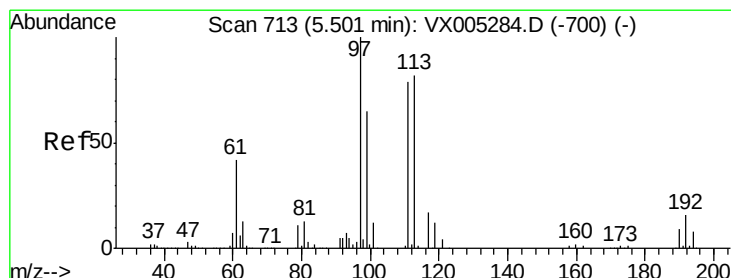
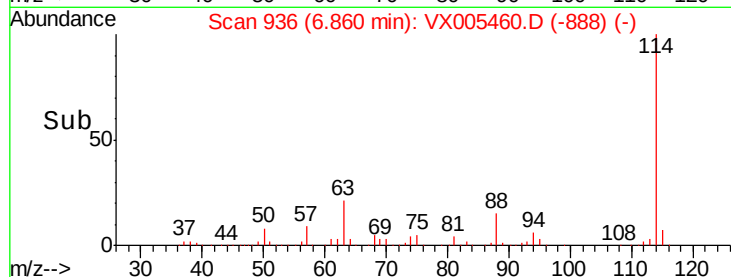
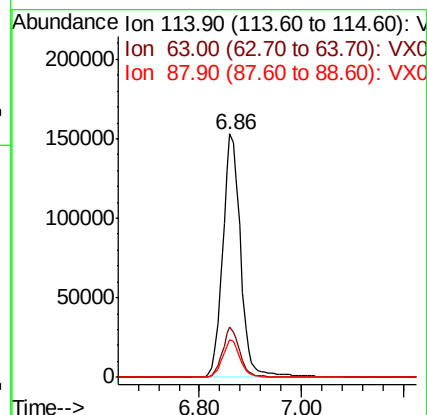
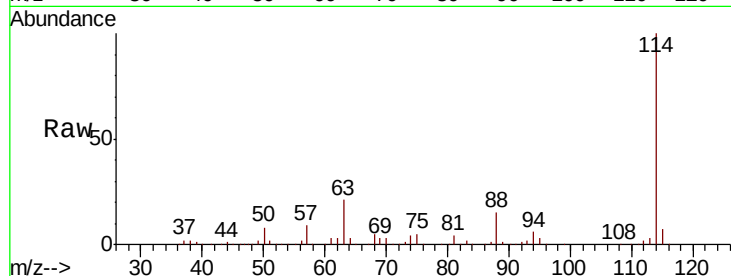




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

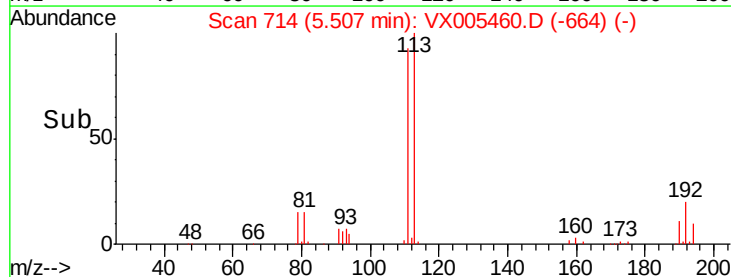
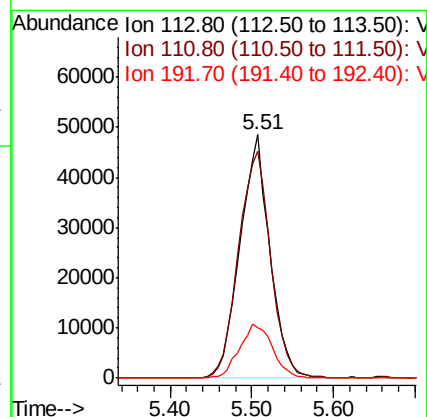
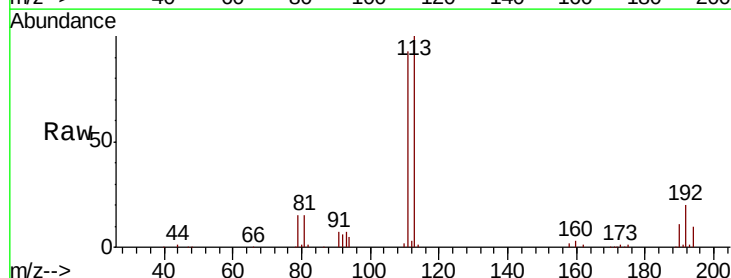
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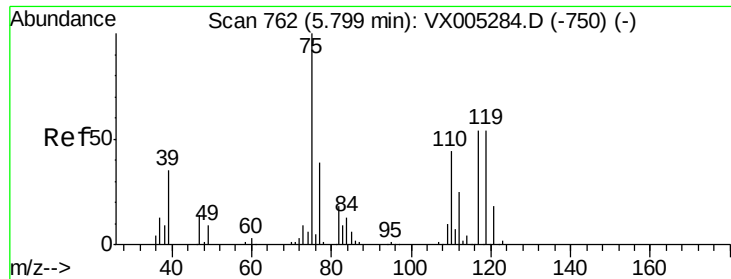
Tot Ion:114 Resp: 375713
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.2 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 49.434 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

Tgt Ion:113 Resp: 123013
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.4 123.6
 192 24.5 19.4 29.2

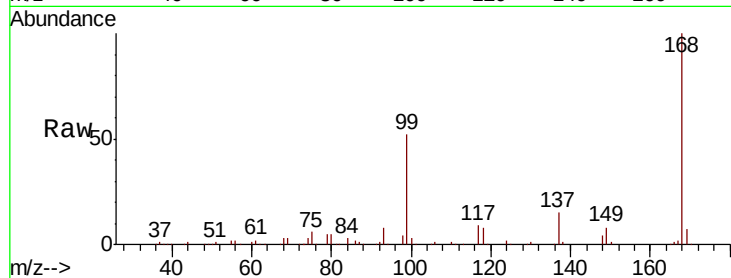




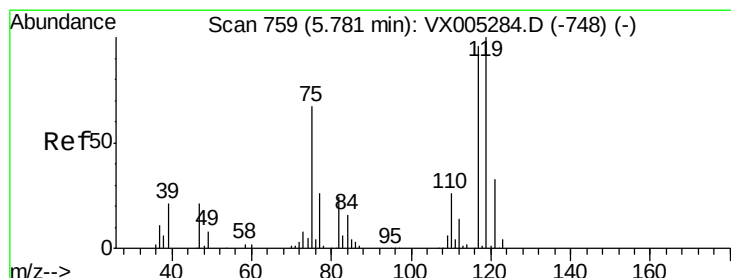
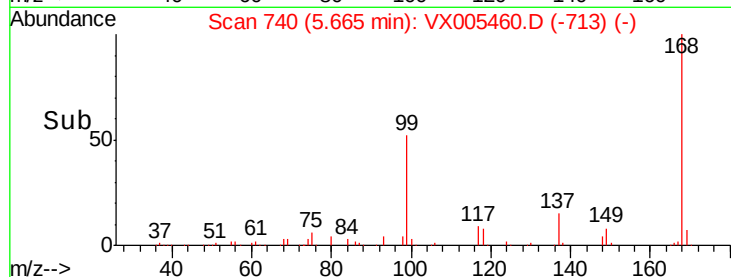
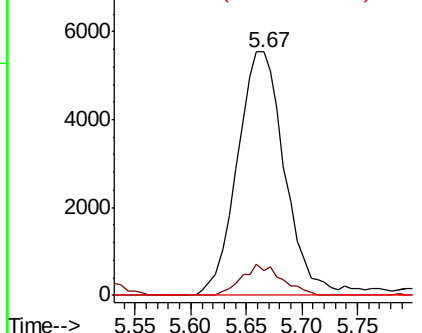
#36
 1,1-Dichloropropene
 Concen: 4.488 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 16329
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.0 54.0#
 77 0.0 24.6 36.8#

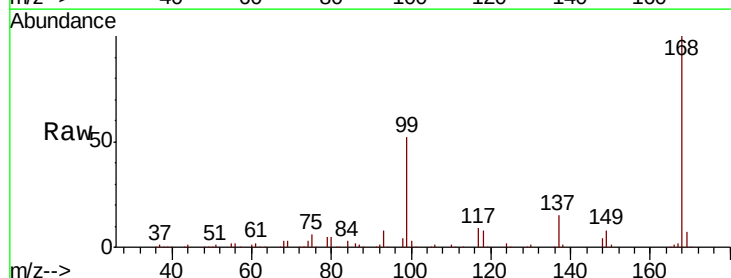


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

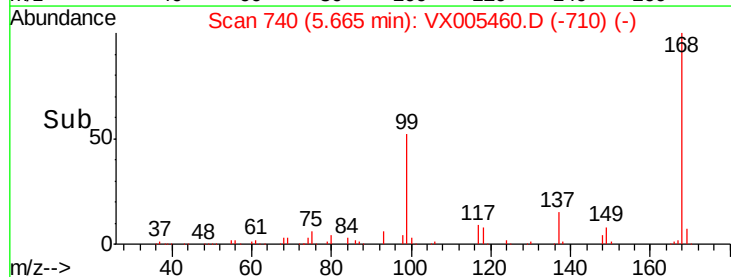
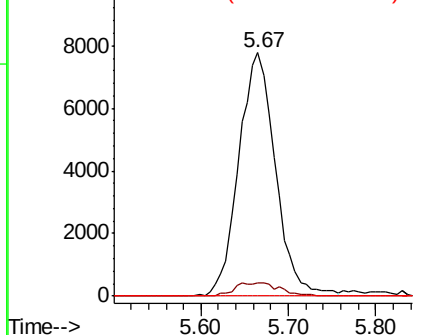


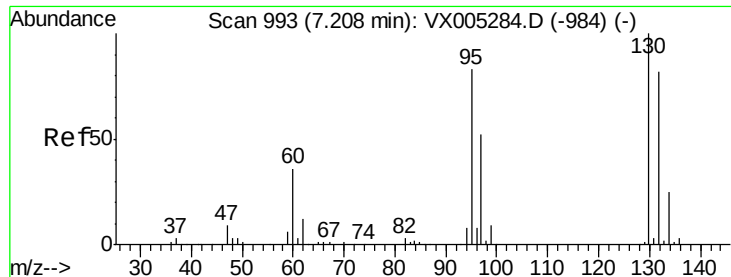
#38
 Carbon Tetrachloride
 Concen: 6.211 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

Tgt Ion: 117 Resp: 22708
 Ion Ratio Lower Upper
 117 100
 119 5.4 78.8 118.2#
 121 0.0 24.9 37.3#



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





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

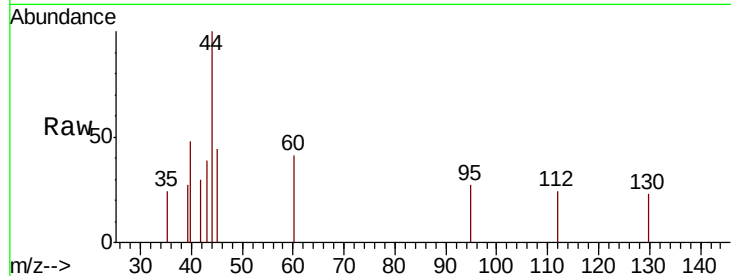
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:130 Resp: 40

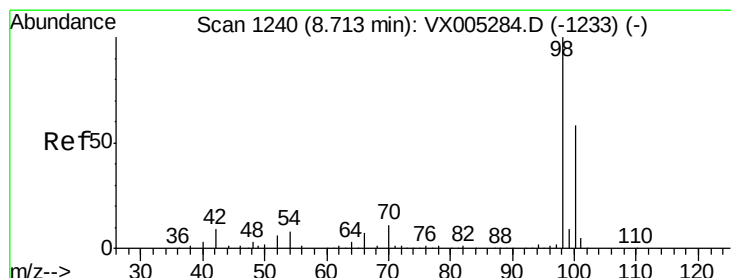
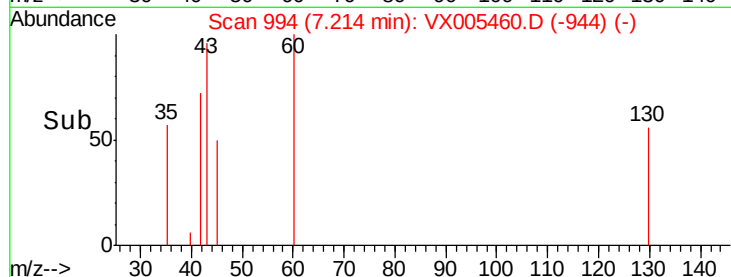
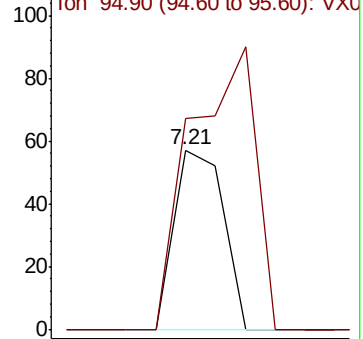
Ion Ratio Lower Upper

130 100

95 117.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 51.861 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005460.D

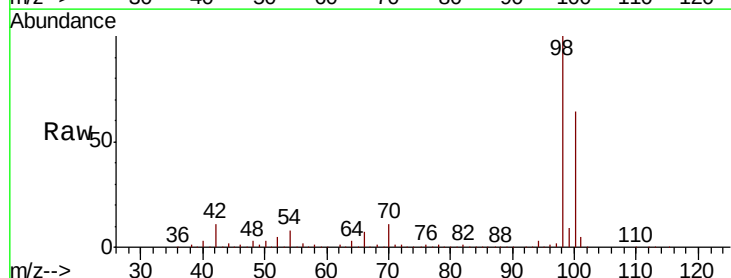
Acq: 19 Oct 2018 16:06

Tgt Ion: 98 Resp: 443050

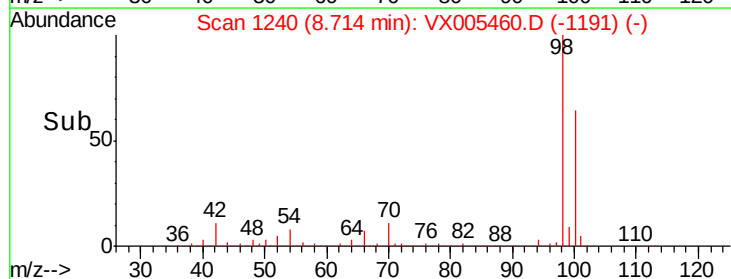
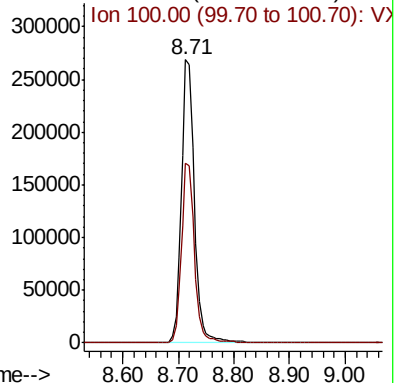
Ion Ratio Lower Upper

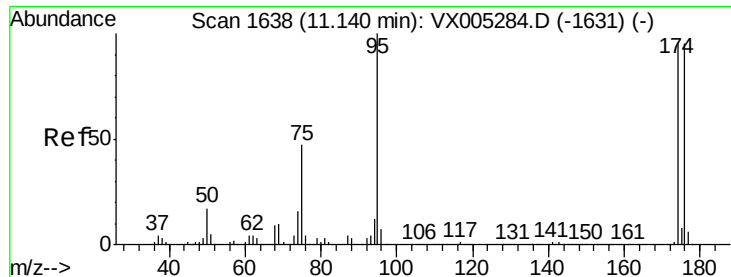
98 100

100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.842 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

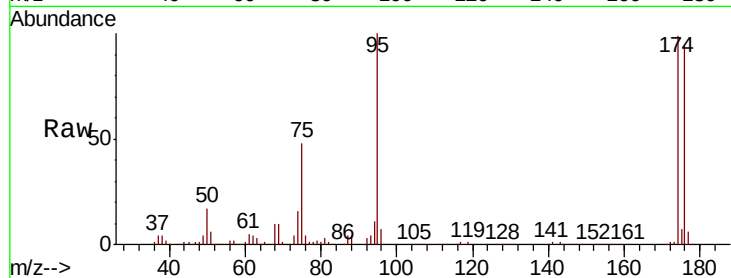
Tot Ion: 95 Resp: 143911

Ion Ratio Lower Upper

95 100

174 97.0 0.0 185.2

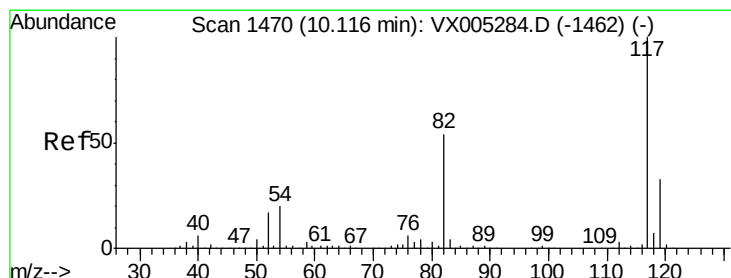
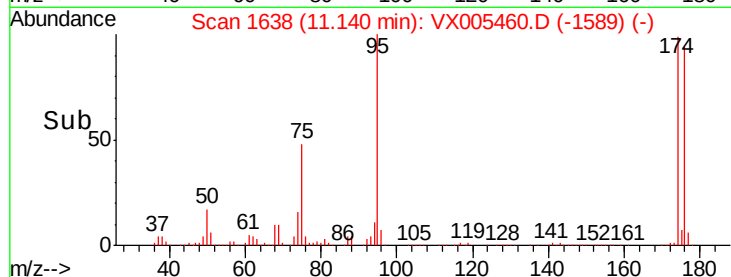
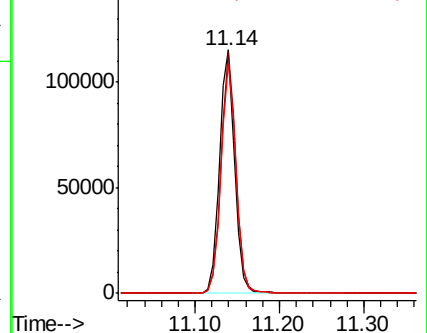
176 93.5 0.0 178.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

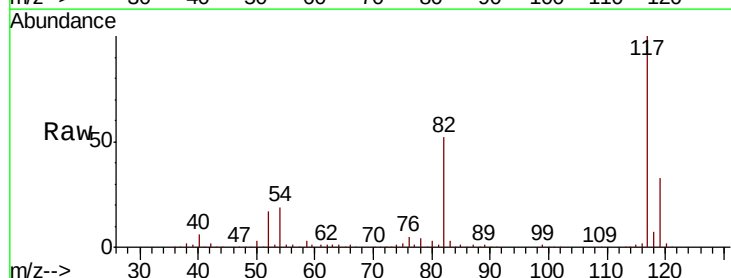
Tgt Ion: 117 Resp: 333889

Ion Ratio Lower Upper

117 100

82 51.7 47.8 71.6

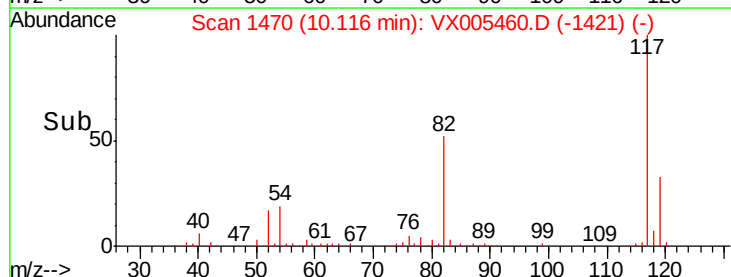
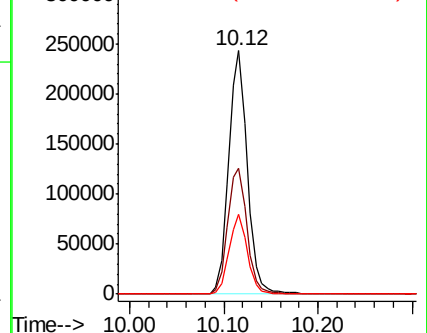
119 32.6 29.3 43.9

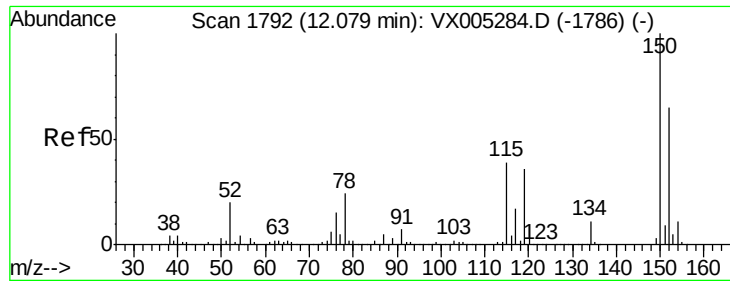


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

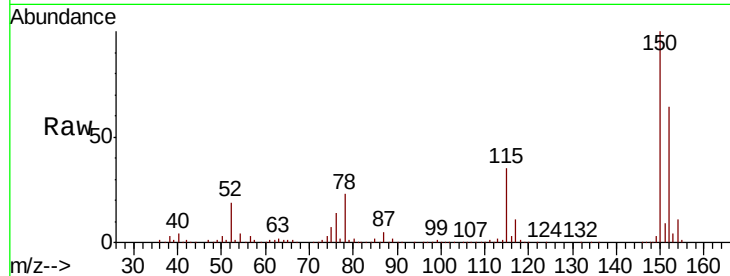




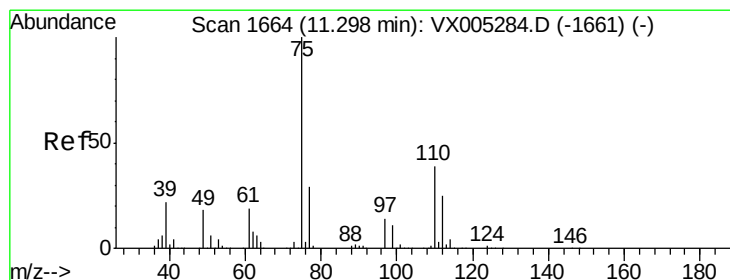
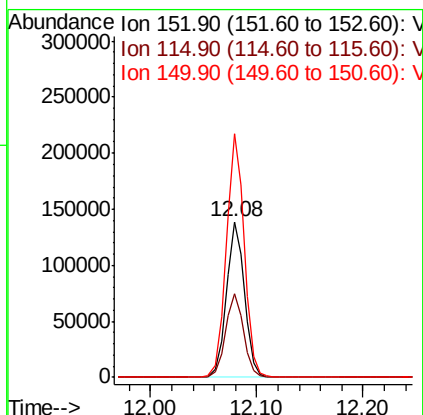
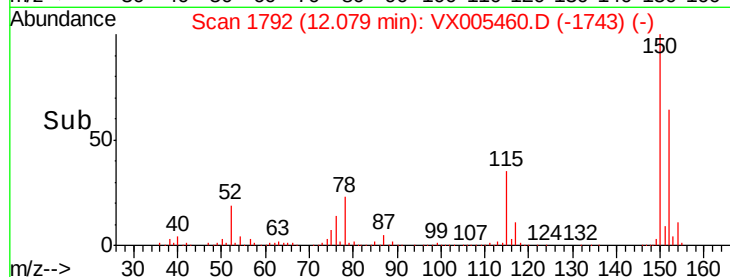
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:152 Resp: 163713
 Ion Ratio Lower Upper
 152 100
 115 54.2 39.0 117.0
 150 155.8 0.0 351.0

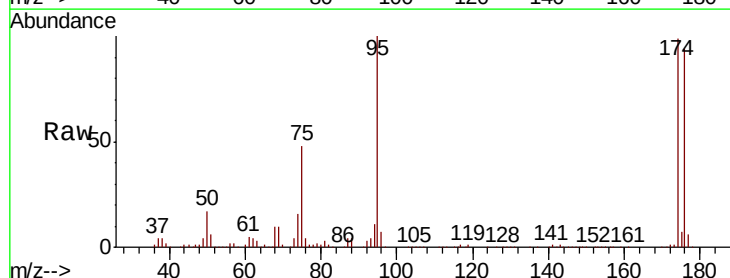


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

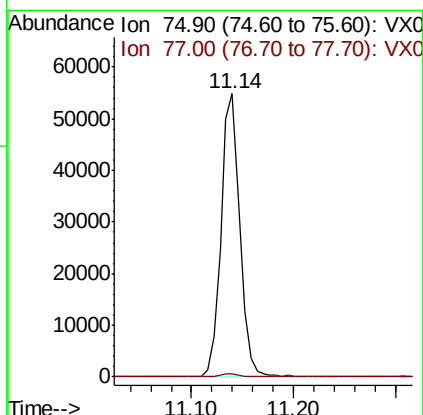
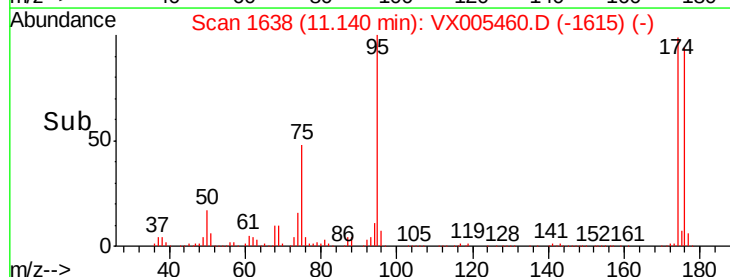


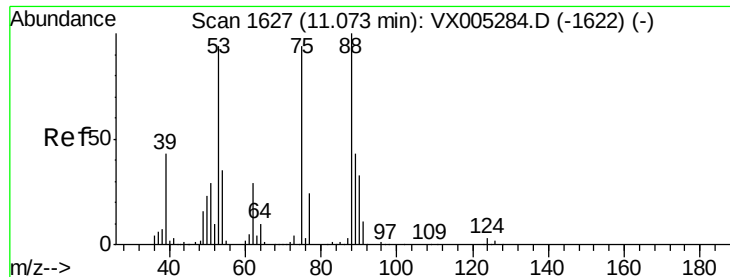
#76
 1,2,3-Trichloropropane
 Concen: 22.244 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005460.D
 Acq: 19 Oct 2018 16:06

Tgt Ion: 75 Resp: 70637
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



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: 67.588 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005460.D

Acq: 19 Oct 2018 16:06

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

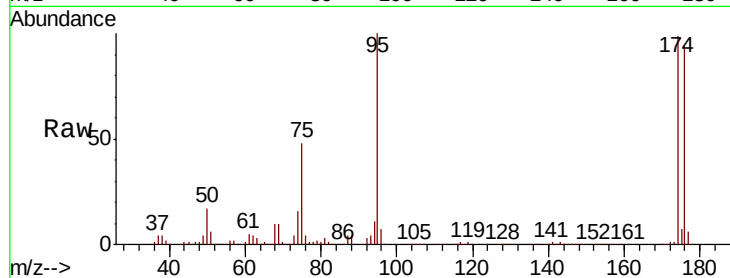
Tot Ion: 75 Resp: 70637

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



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

