

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005618.D
 Acq On : 26 Oct 2018 21:09
 Operator : JC/MD
 Sample : J5699-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 27 04:49:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143568	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	144721	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	5.49	113	114647	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.72	98	409870	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.14	95	131744	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	

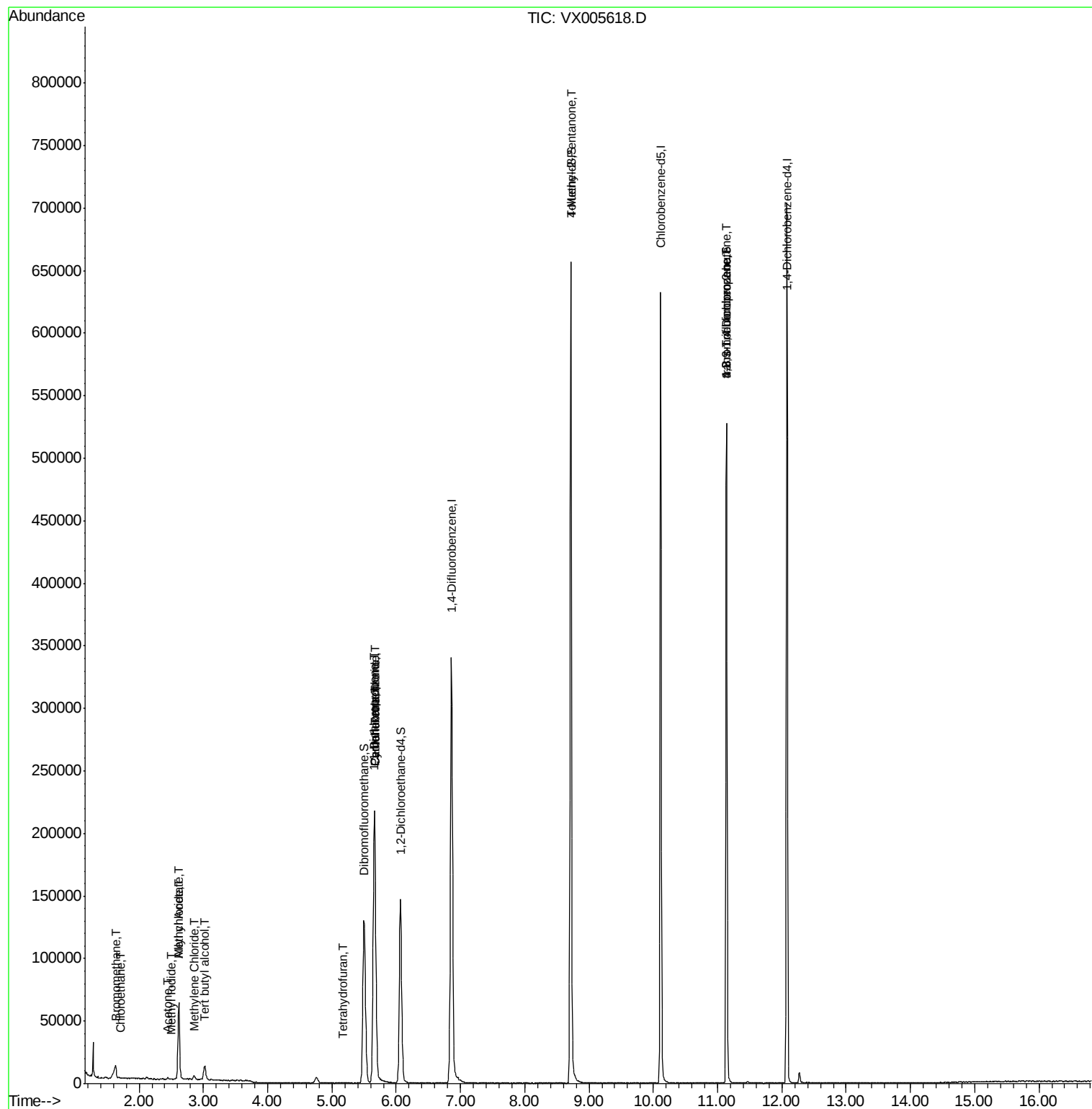
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	442	0.254	ug/l	88
6) Chloroethane	1.71	64	729	0.408	ug/l #	44
10) Methyl Iodide	2.51	142	59	2.749	ug/l #	55
11) Tert butyl alcohol	3.03	59	6900	9.287	ug/l #	80
14) Allyl chloride	2.62	41	5835	1.231	ug/l #	66
16) Acetone	2.45	43	1969	1.350	ug/l	94
18) Methyl Acetate	2.62	43	15327	2.875	ug/l #	55
20) Methylene Chloride	2.85	84	1123	0.460	ug/l #	81
29) Tetrahydrofuran	5.16	42	296	0.205	ug/l #	47
31) Cyclohexane	5.66	56	4488	1.206	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15154	4.520	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20044	5.676	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1761	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67181	22.085	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	67181	72.165	ug/l #	9

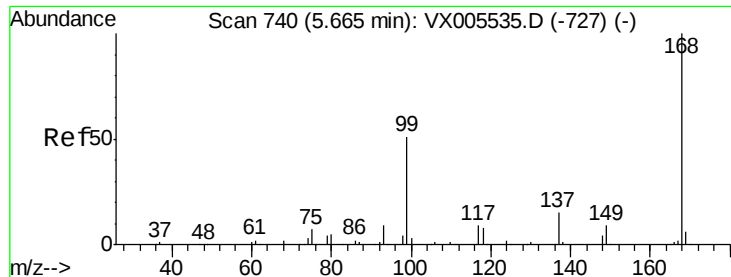
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005618.D
Acq On : 26 Oct 2018 21:09
Operator : JC/MD
Sample : J5699-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 27 04:49:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005618.D

Acq: 26 Oct 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

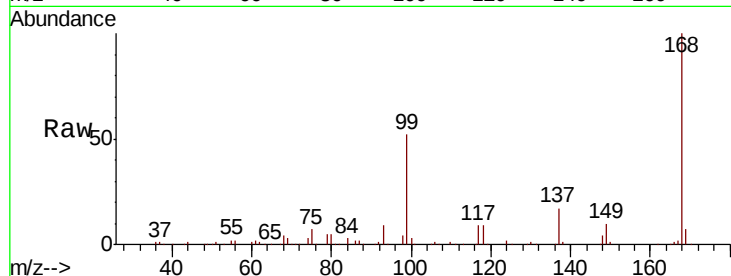
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 226177

Ion Ratio Lower Upper

168 100

99 51.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

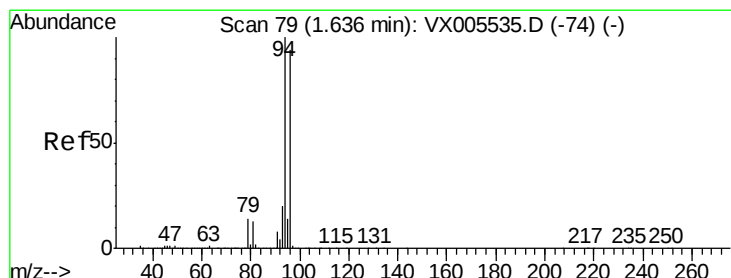
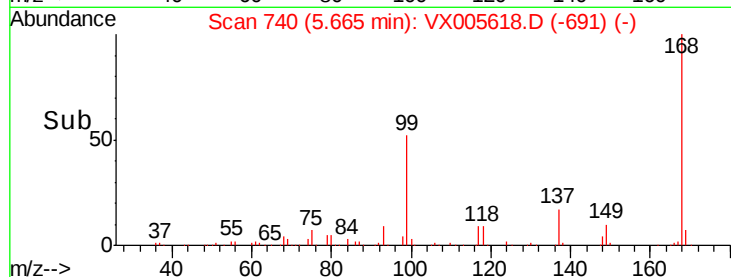
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.254 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005618.D

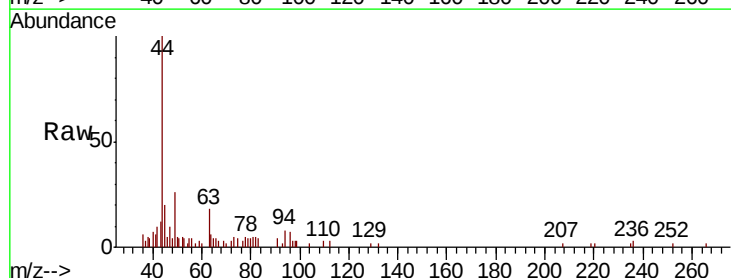
Acq: 26 Oct 2018 21:09

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 82.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

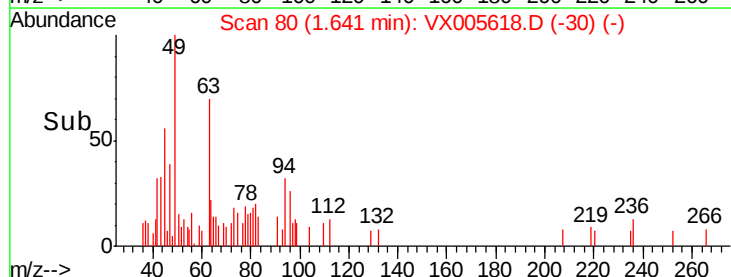
100

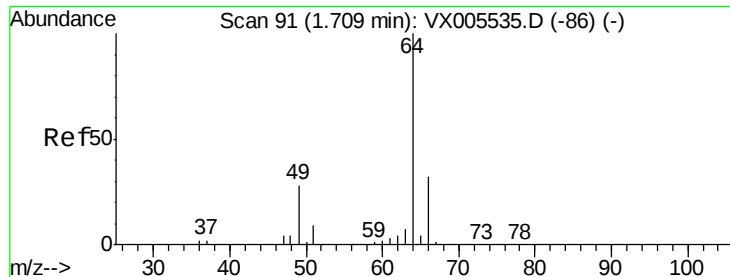
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.408 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005618.D

Acq: 26 Oct 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

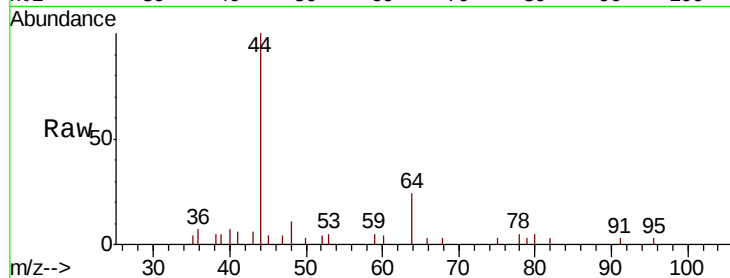
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 64 Resp: 729

Ion Ratio Lower Upper

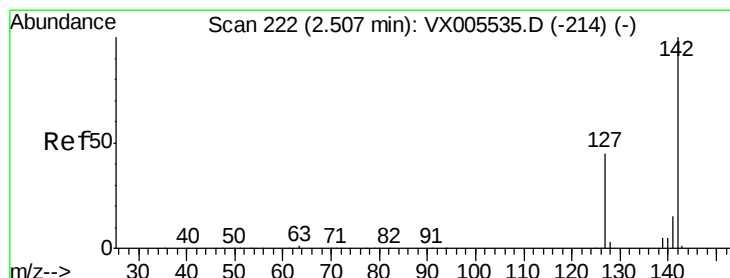
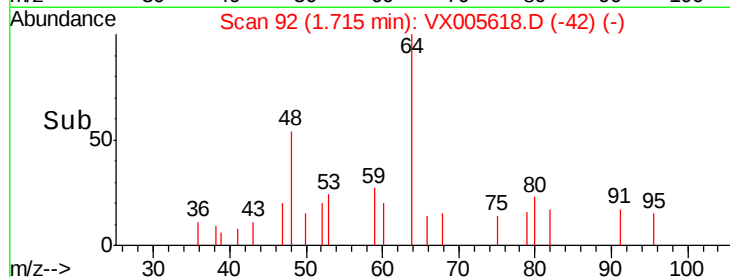
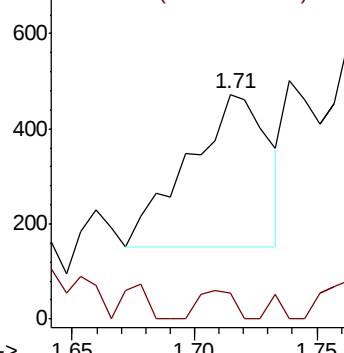
64 100

66 0.6 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.749 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005618.D

Acq: 26 Oct 2018 21:09

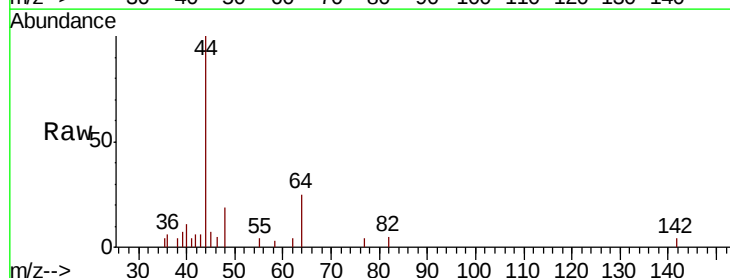
Tgt Ion: 142 Resp: 59

Ion Ratio Lower Upper

142 100

127 76.3 36.0 54.0#

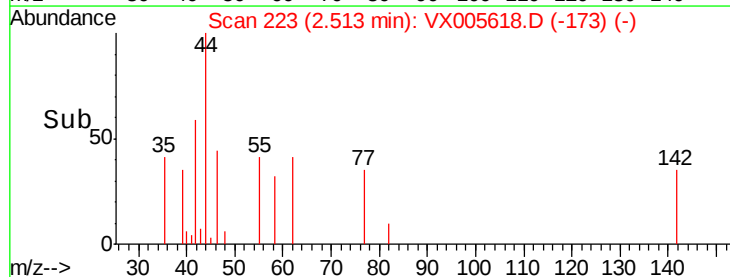
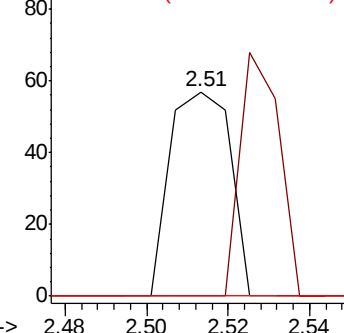
141 0.0 11.7 17.5#

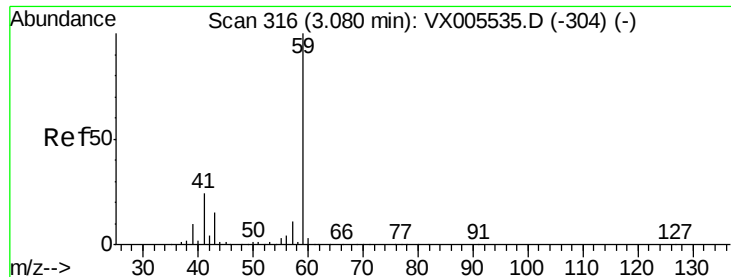


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

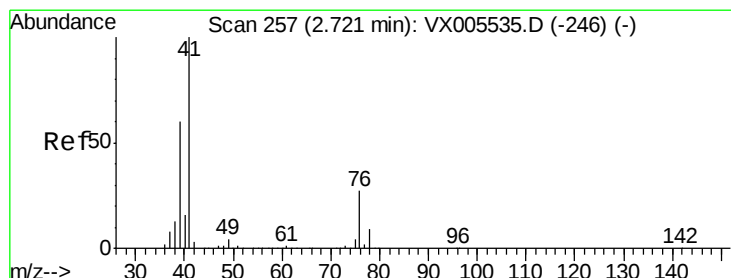
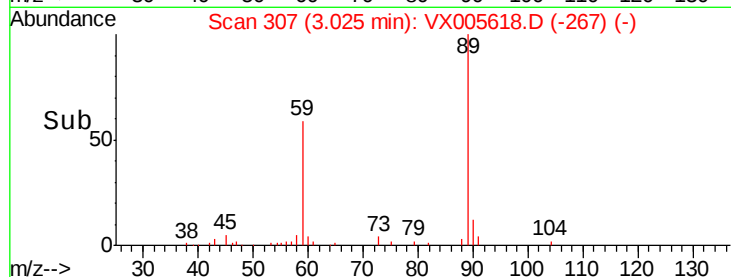
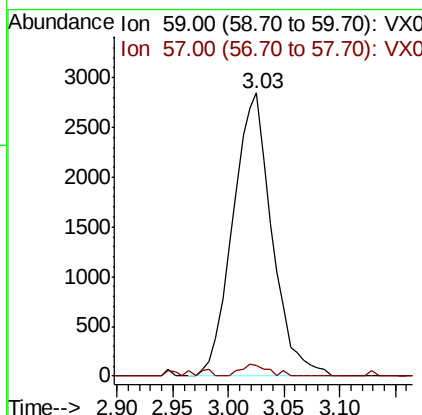
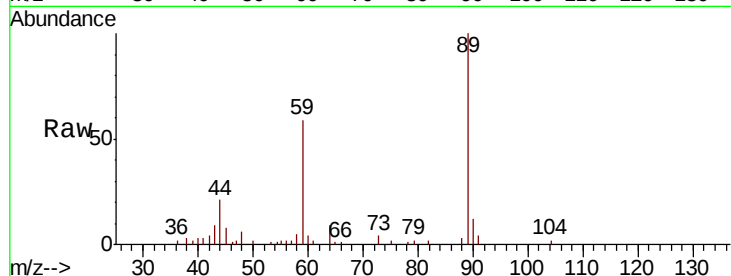




#11
Tert butyl alcohol
Concen: 9.287 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.06 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

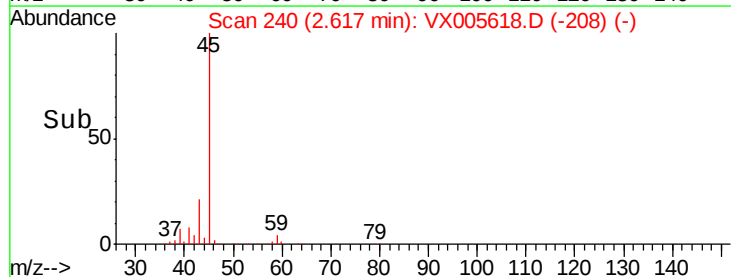
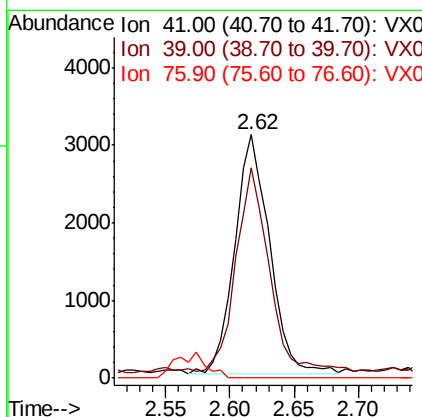
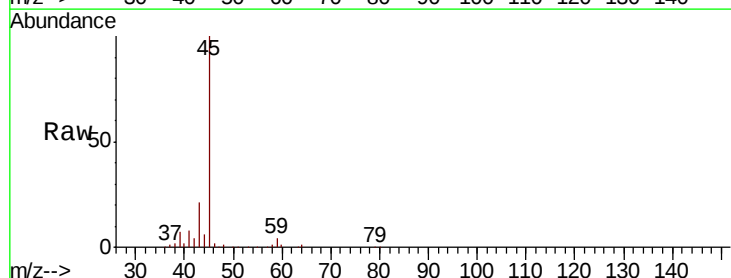
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

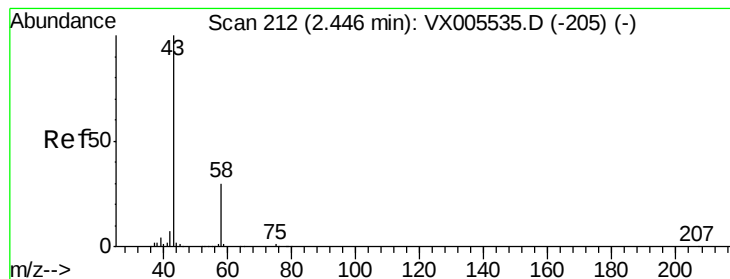
Tot Ion: 59 Resp: 6900
Ion Ratio Lower Upper
59 100
57 2.9 8.5 12.7#



#14
Allyl chloride
Concen: 1.231 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion: 41 Resp: 5835
Ion Ratio Lower Upper
41 100
39 79.9 48.2 72.4#
76 0.0 21.9 32.9#





#16

Acetone

Concen: 1.350 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005618.D

Acq: 26 Oct 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

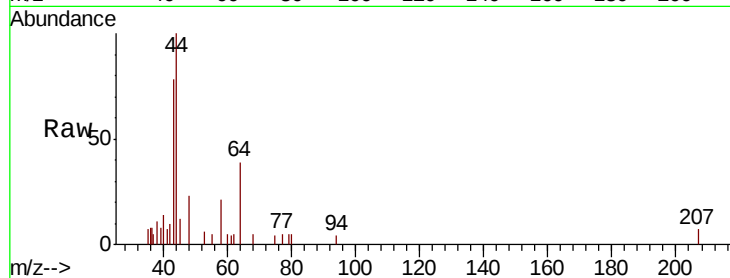
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1969

Ion Ratio Lower Upper

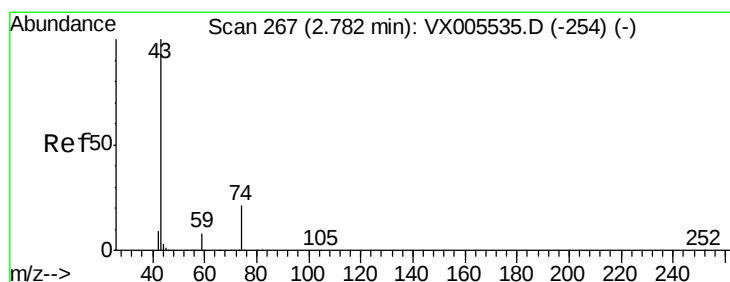
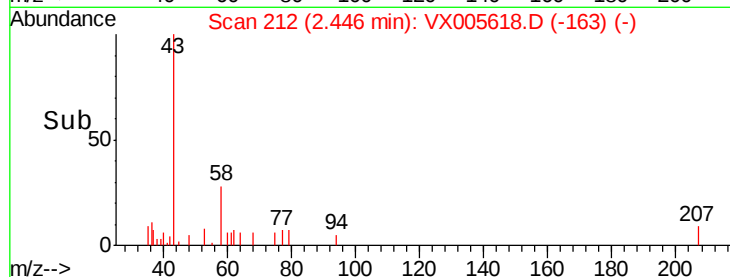
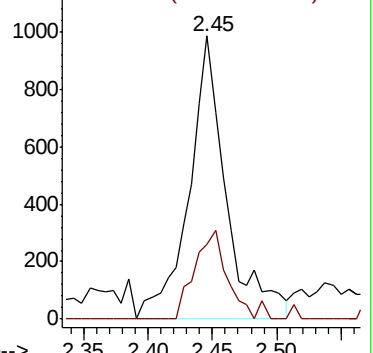
43 100

58 26.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 2.875 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.16 min

Lab File: VX005618.D

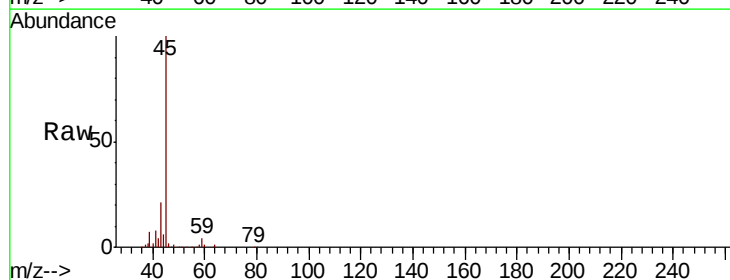
Acq: 26 Oct 2018 21:09

Tgt Ion: 43 Resp: 15327

Ion Ratio Lower Upper

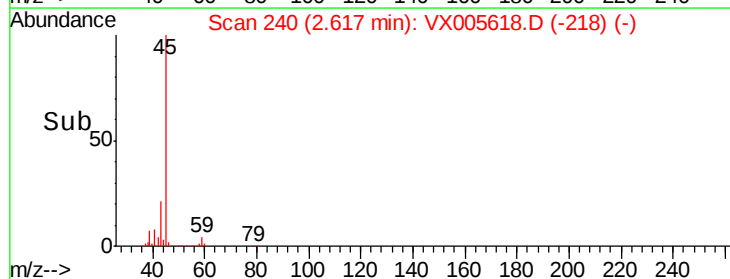
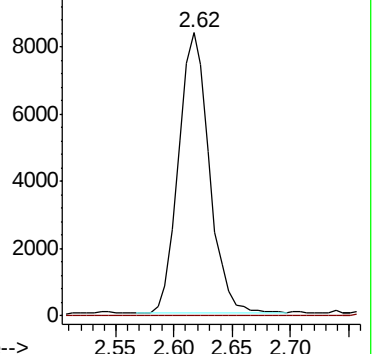
43 100

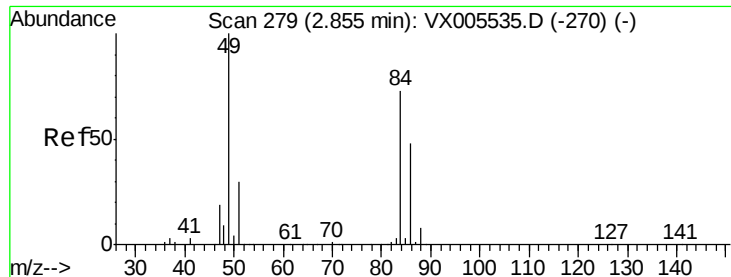
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

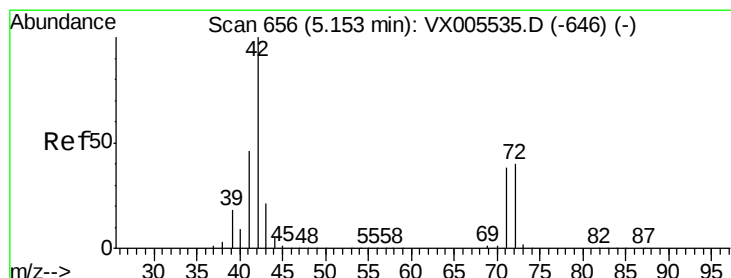
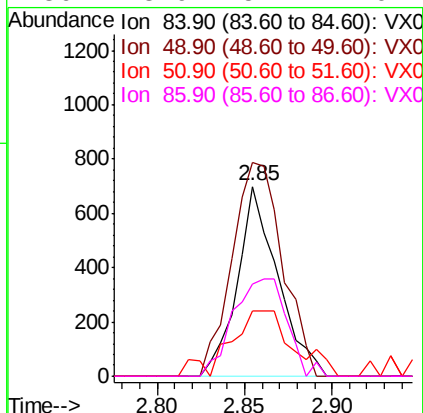
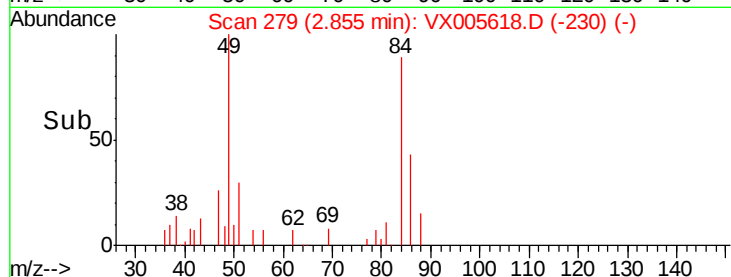
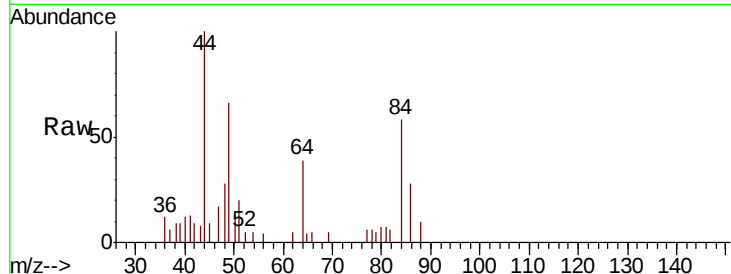




#20
Methvlene Chloride
Concen: 0.460 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

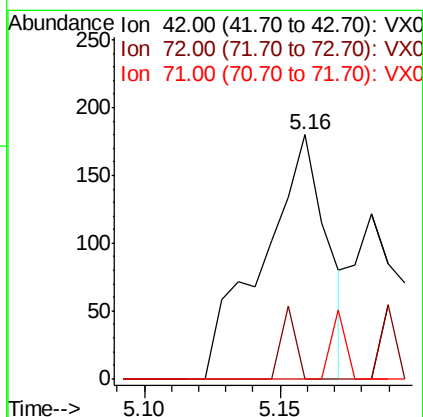
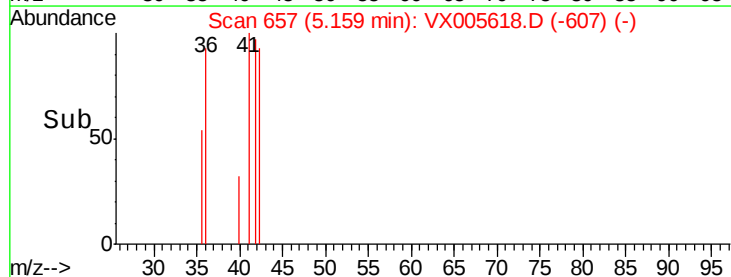
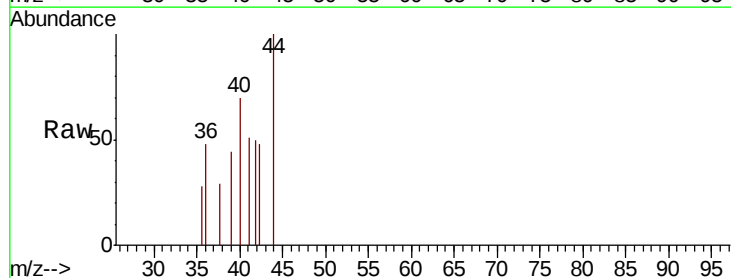
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

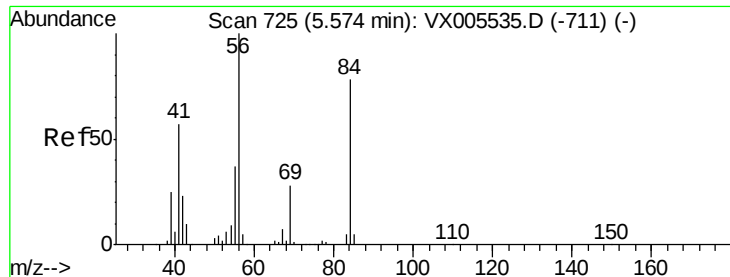
Tot Ion: 84 Resp: 1123
Ion Ratio Lower Upper
84 100
49 112.8 109.5 164.3
51 34.2 33.3 49.9
86 48.9 52.7 79.1#



#29
Tetrahydrofuran
Concen: 0.205 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion: 42 Resp: 296
Ion Ratio Lower Upper
42 100
72 6.8 32.0 48.0#
71 6.4 29.8 44.8#

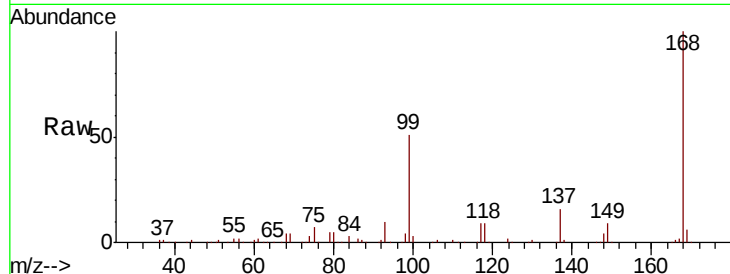




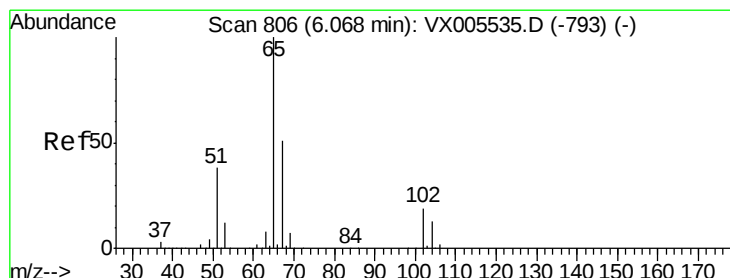
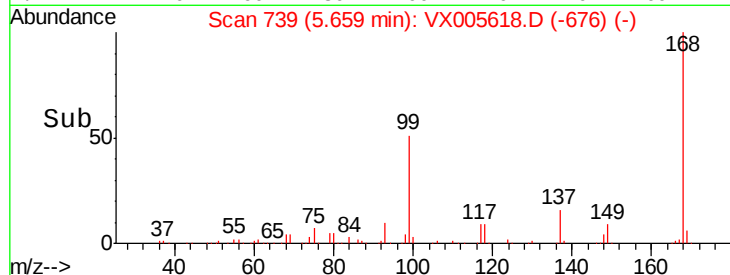
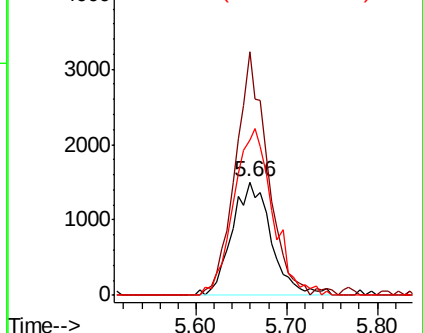
#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

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

Tot Ion: 56 Resp: 4488
Ion Ratio Lower Upper
56 100
69 215.0 22.6 34.0#
84 137.0 62.7 94.1#

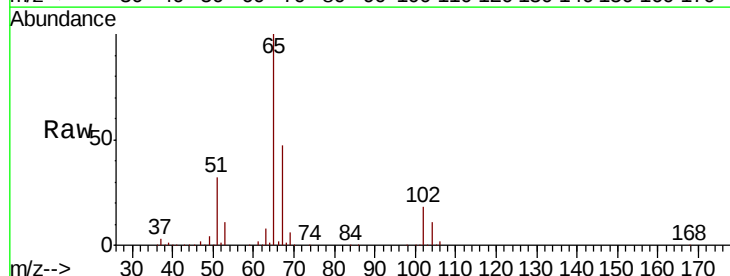


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

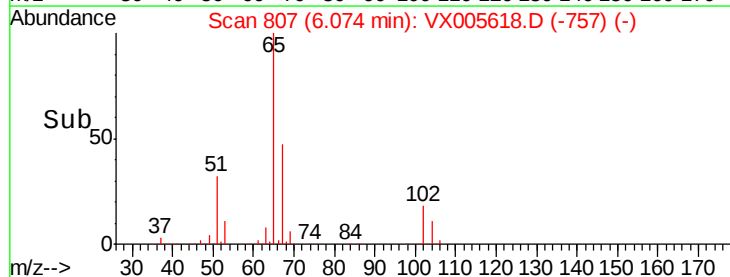
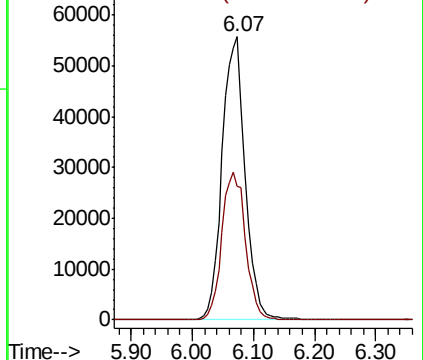


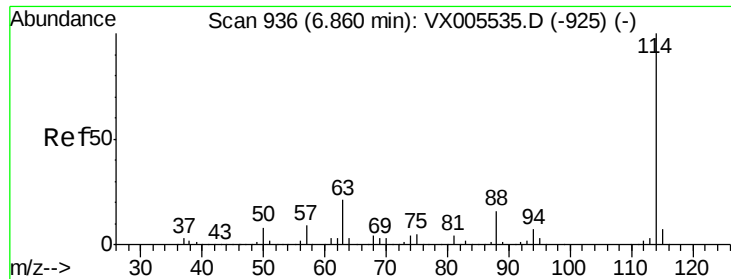
#33
1,2-Dichloroethane-d4
Concen: 52.418 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion: 65 Resp: 144721
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.0



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

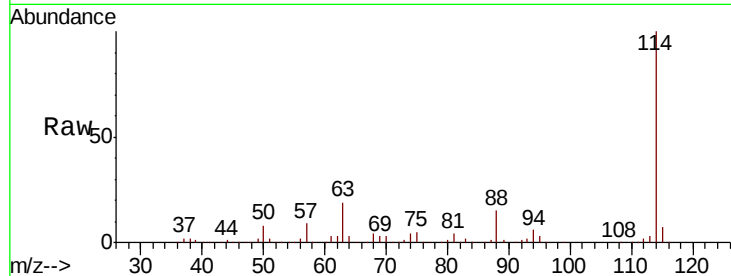




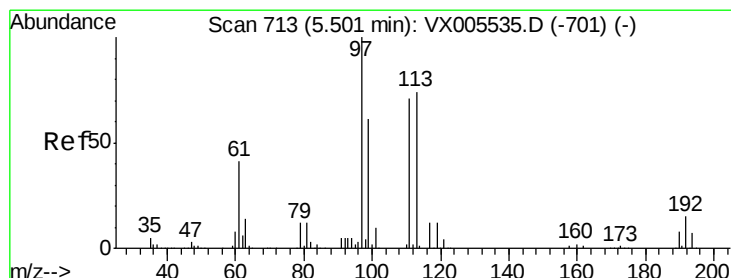
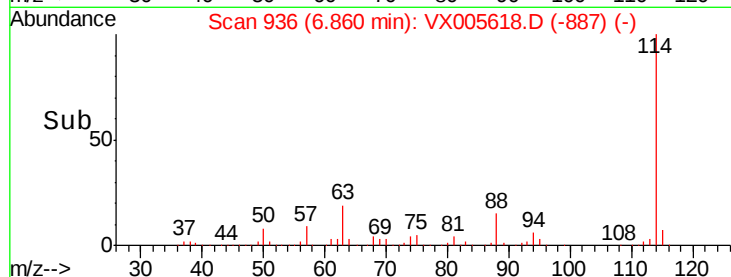
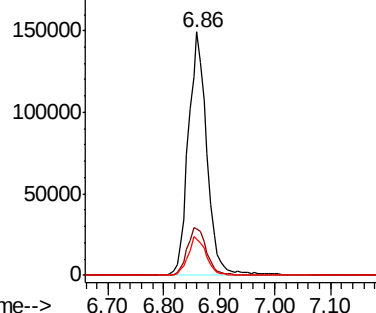
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

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

Tot Ion:114 Resp: 345503
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.8
88 14.9 0.0 31.2

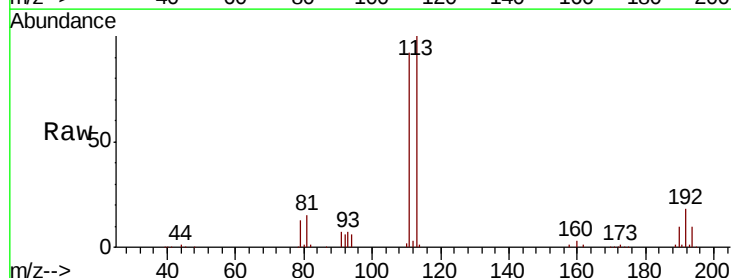


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

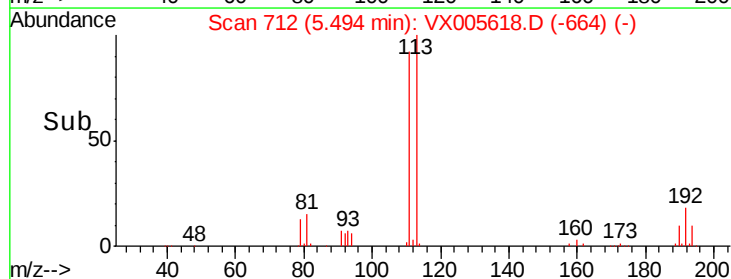
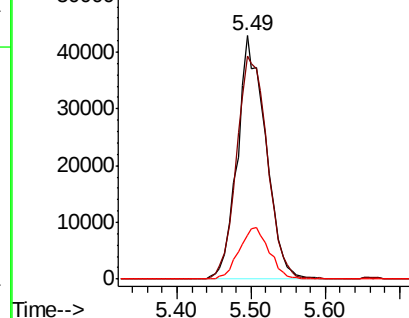


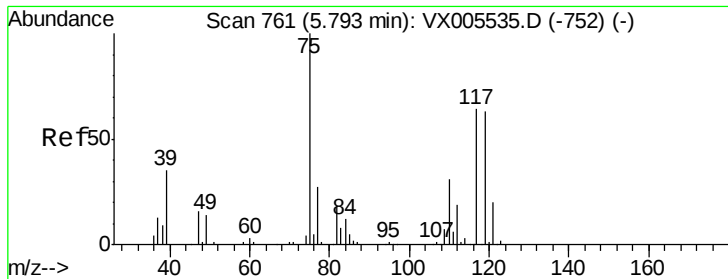
#35
Dibromofluoromethane
Concen: 49.006 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion:113 Resp: 114647
Ion Ratio Lower Upper
113 100
111 99.4 82.3 123.5
192 22.4 17.9 26.9



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

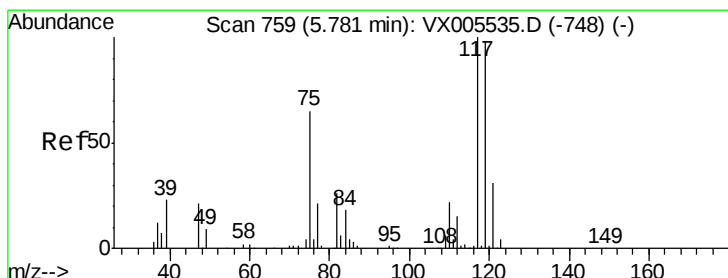
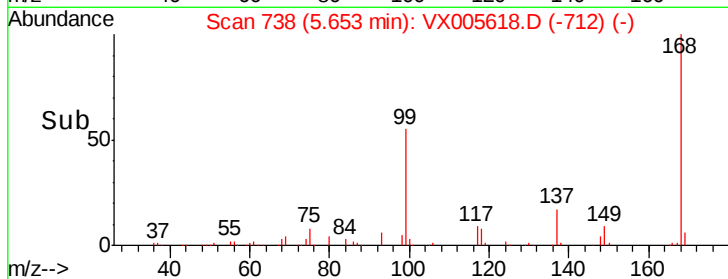
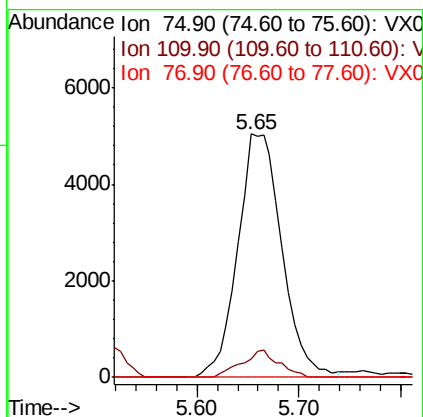
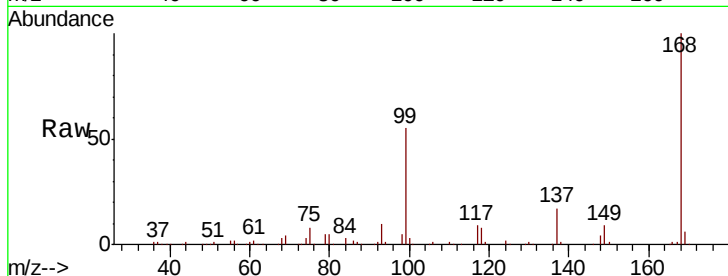




#36
 1,1-Dichloropropene
 Concen: 4.520 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX005618.D
 Acq: 26 Oct 2018 21:09

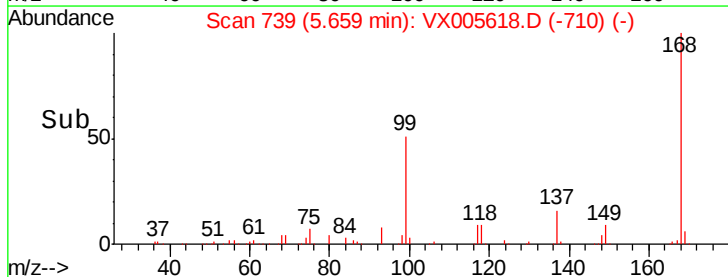
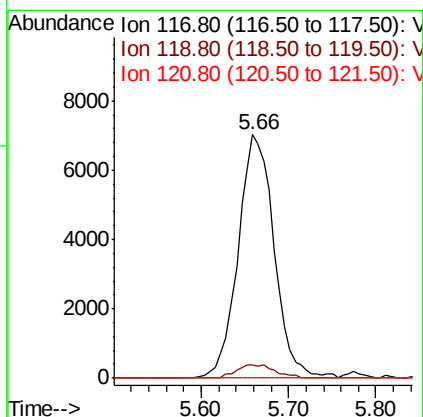
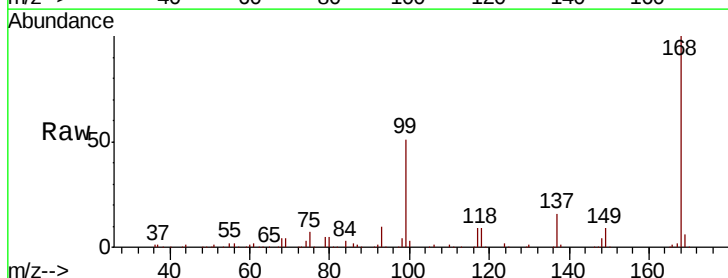
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

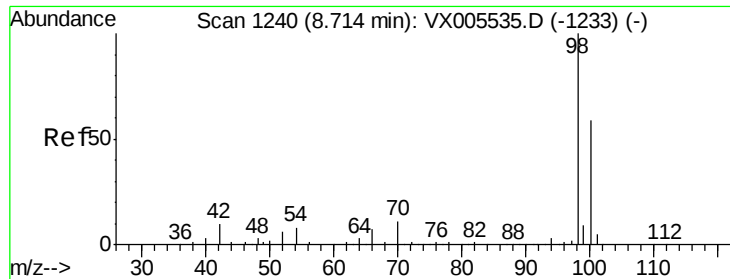
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.2#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 5.676 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005618.D
 Acq: 26 Oct 2018 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.1	117.1#
121	0.0	24.6	36.8#

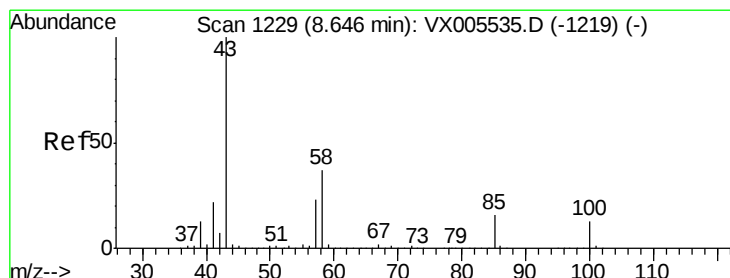
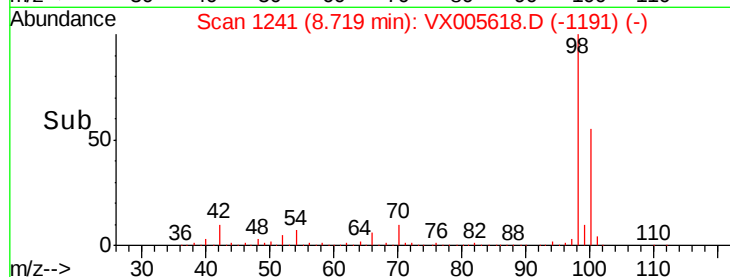
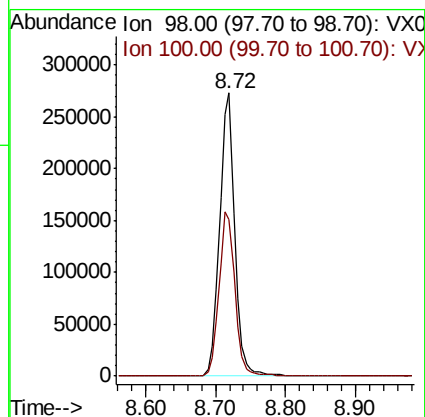
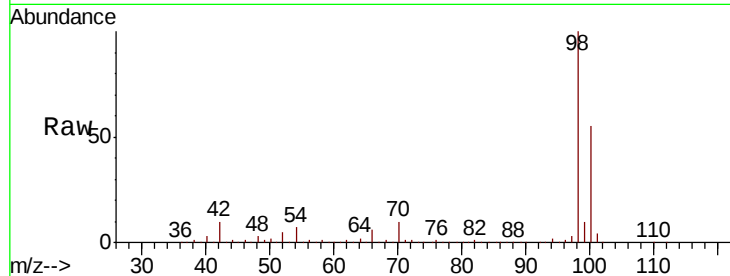




#50
Toluene-d8
Concen: 48.758 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

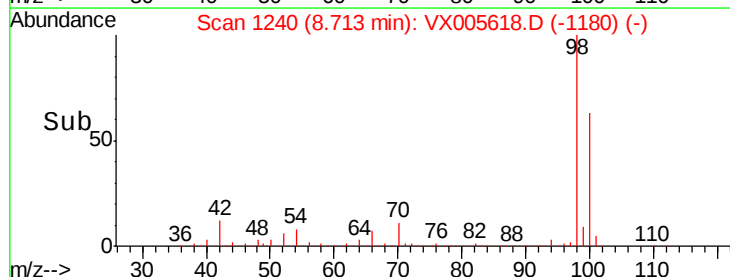
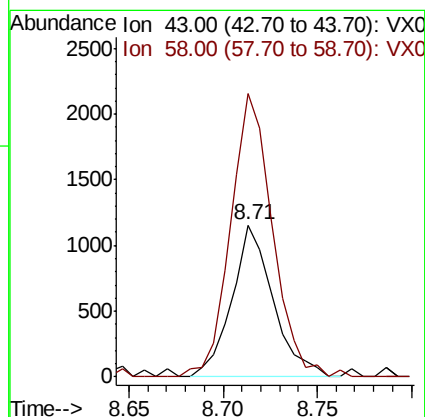
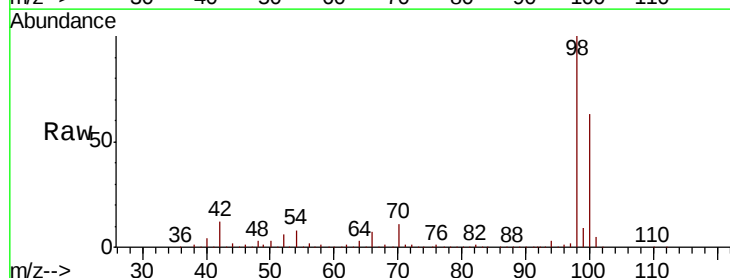
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

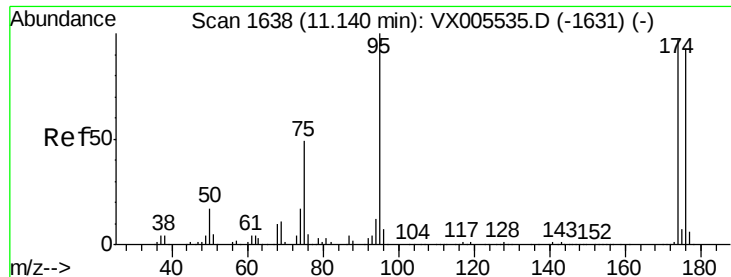
Tot Ion: 98 Resp: 409870
Ion Ratio Lower Upper
98 100
100 61.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.409 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 189.0 29.7 44.5#

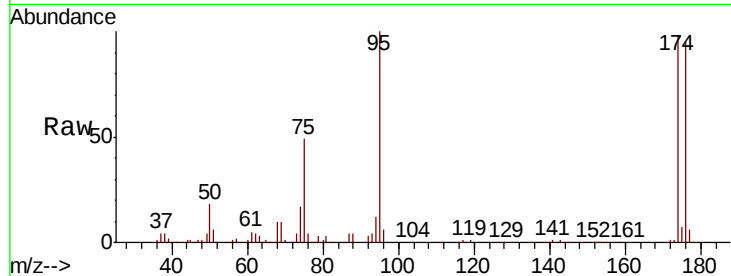




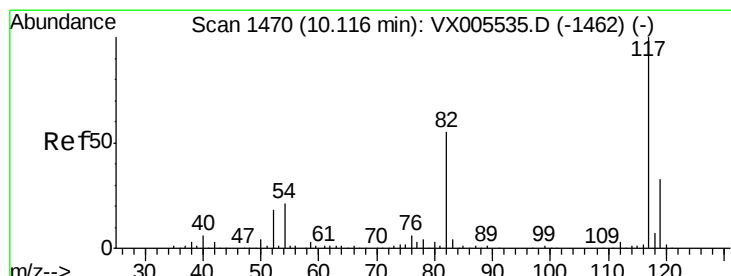
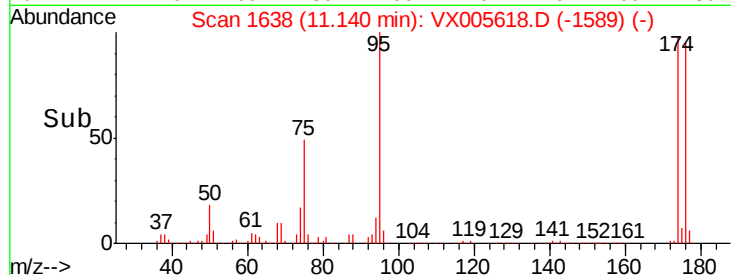
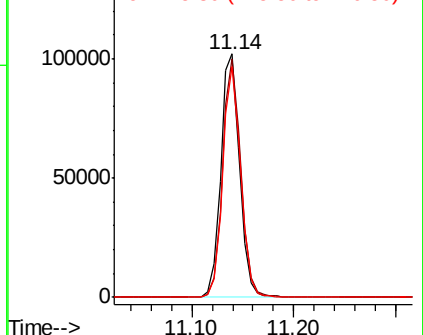
#62
4-Bromofluorobenzene
Concen: 41.500 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

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

Tot Ion: 95 Resp: 131744
Ion Ratio Lower Upper
95 100
174 94.6 0.0 184.4
176 90.5 0.0 177.4

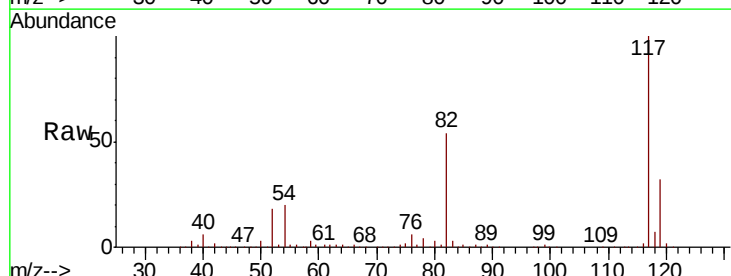


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

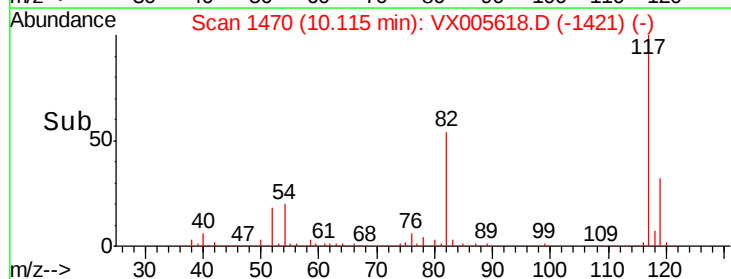
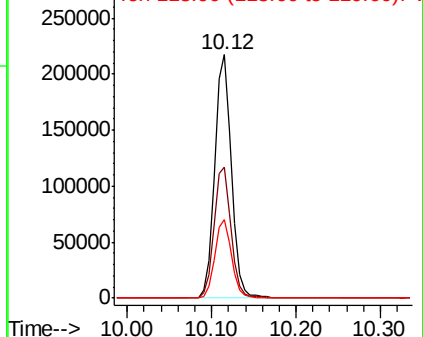


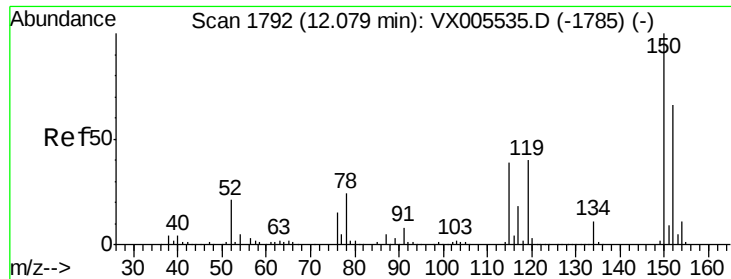
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005618.D
Acq: 26 Oct 2018 21:09

Tgt Ion: 117 Resp: 299527
Ion Ratio Lower Upper
117 100
82 53.9 44.1 66.1
119 32.2 26.2 39.2



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: VX005618.D

Acq: 26 Oct 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

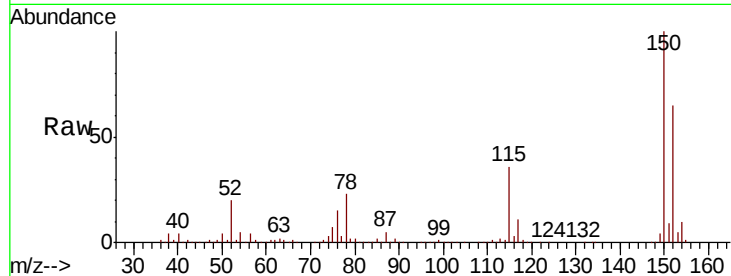
Tot Ion:152 Resp: 143568

Ion Ratio Lower Upper

152 100

115 55.6 39.4 118.1

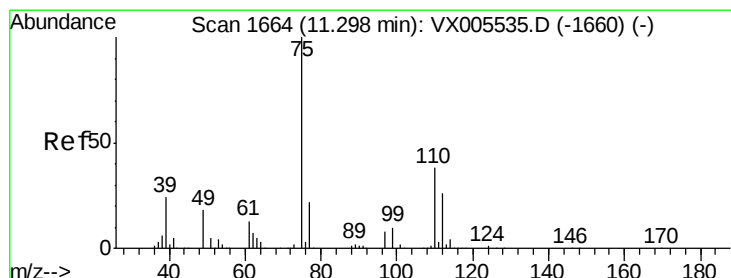
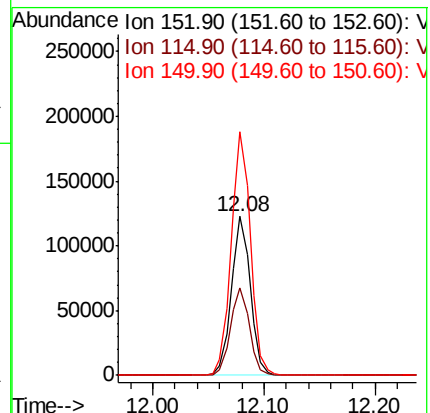
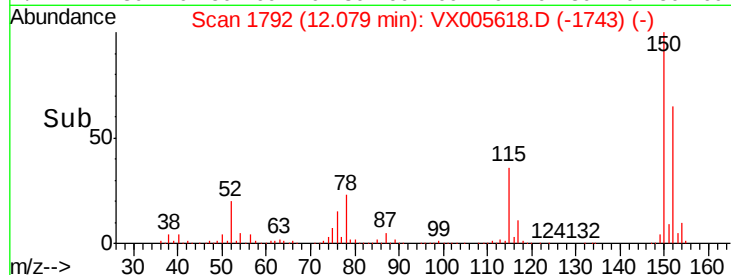
150 156.1 0.0 346.4



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: 22.085 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX005618.D

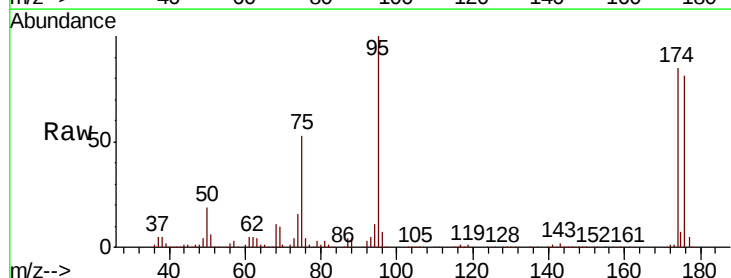
Acq: 26 Oct 2018 21:09

Tgt Ion: 75 Resp: 67181

Ion Ratio Lower Upper

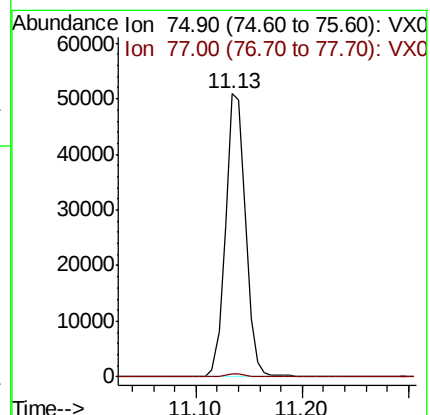
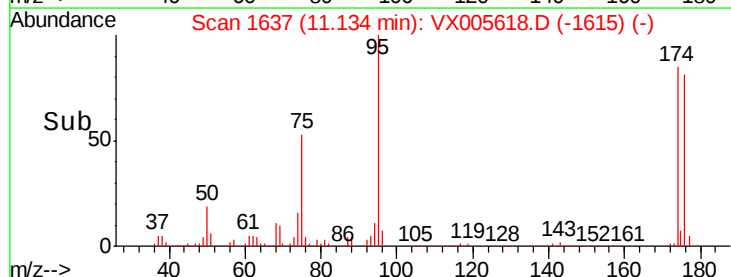
75 100

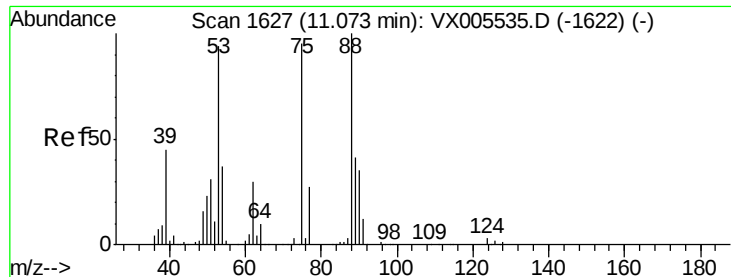
77 1.1 20.5 61.6#



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: 72.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005618.D

Acq: 26 Oct 2018 21:09

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

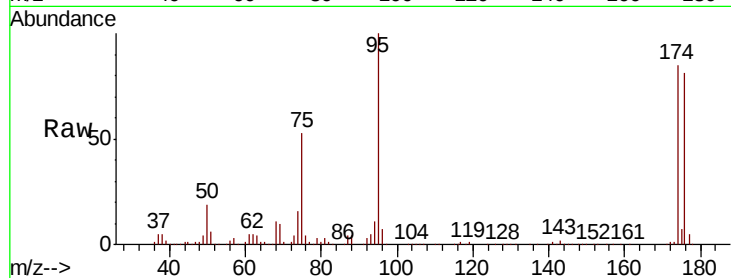
Tot Ion: 75 Resp: 67181

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



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

