

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005459.D
 Acq On : 19 Oct 2018 15:40
 Operator : JC/MD
 Sample : J5597-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 20 04:20:59 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

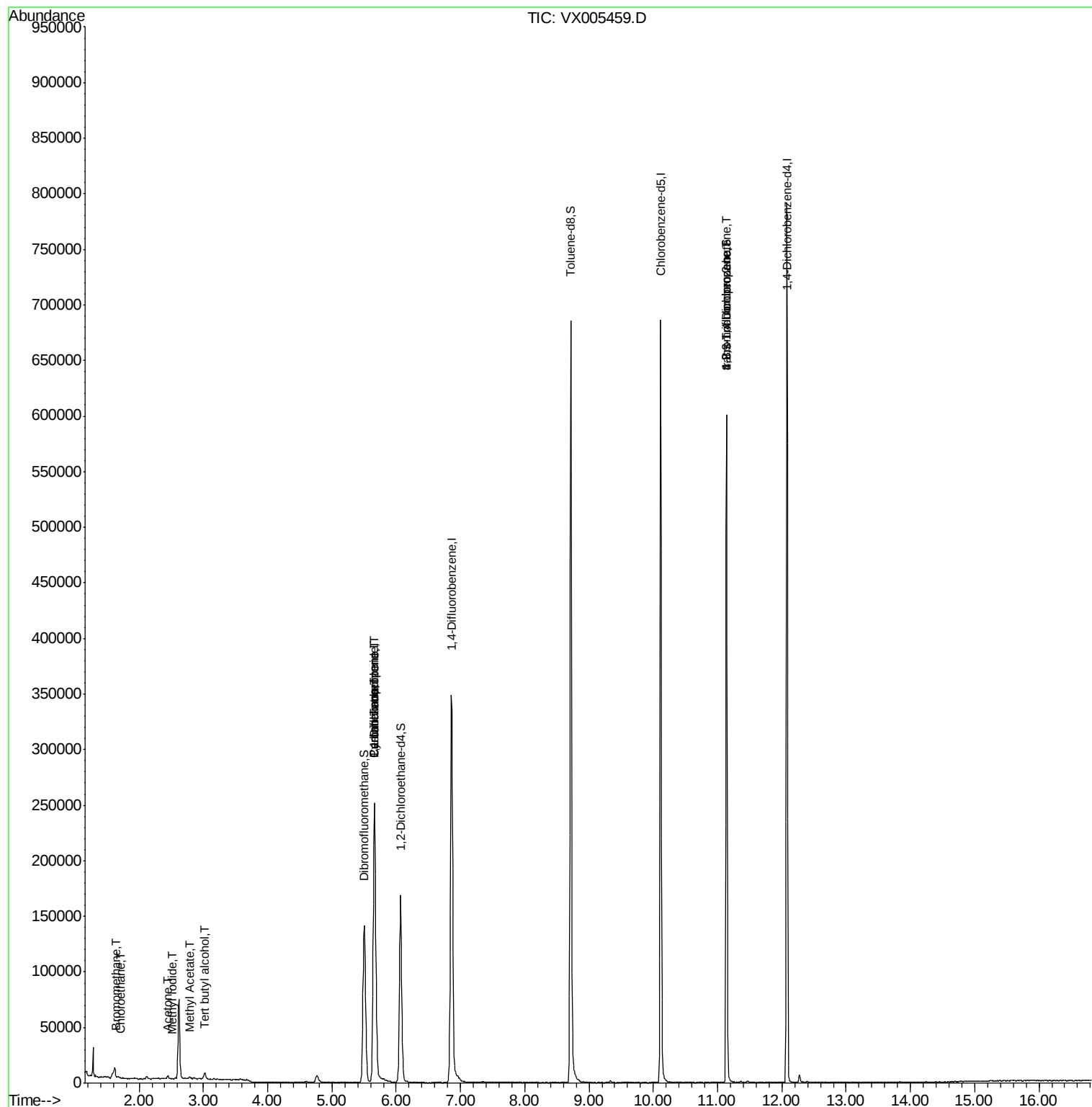
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362445	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	151065	53.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.10%	
35) Dibromofluoromethane	5.51	113	122118	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
50) Toluene-d8	8.72	98	439908	53.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.76%	
62) 4-Bromofluorobenzene	11.14	95	146094	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	557	0.915	ug/l	84
6) Chloroethane	1.72	64	105	0.389	ug/l #	44
10) Methyl Iodide	2.51	142	169	2.553	ug/l #	87
11) Tert butyl alcohol	3.02	59	3496	4.352	ug/l #	79
13) Acrolein	2.29	56	173	Below Cal	#	40
16) Acetone	2.45	43	3020	1.834	ug/l	90
18) Methyl Acetate	2.78	43	2607	0.557	ug/l	100
20) Methylene Chloride	2.86	84	453	Below Cal	#	82
31) Cyclohexane	5.67	56	4554	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17254	4.915	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22016	6.242	ug/l #	15
44) Trichloroethene	7.21	130	23	Below Cal		87
76) 1,2,3-Trichloropropane	11.14	75	70767	22.390	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	70767	68.031	ug/l #	10

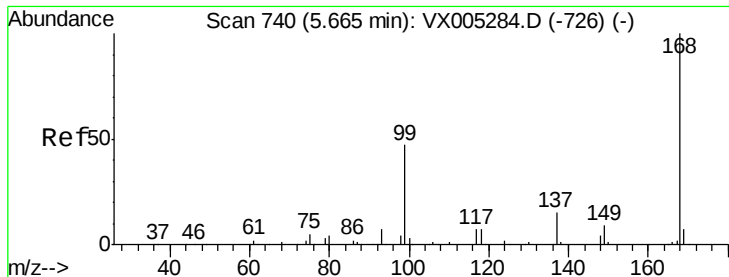
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 20 04:20:59 2018
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 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: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

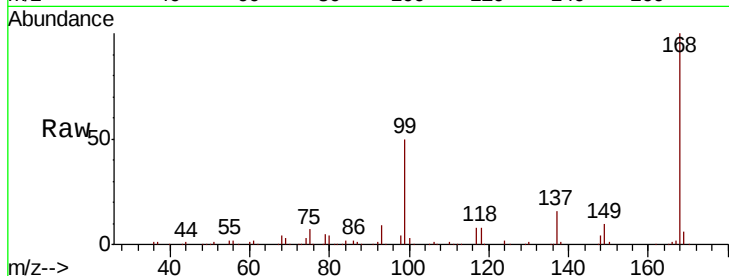
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 256583

Ion Ratio Lower Upper

168 100

99 49.9 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

80000

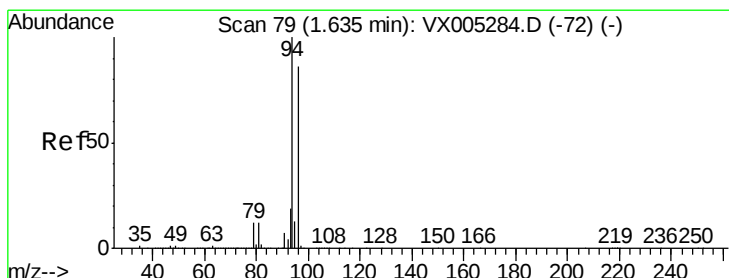
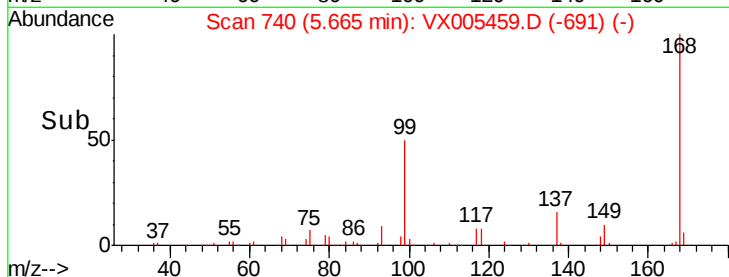
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.915 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005459.D

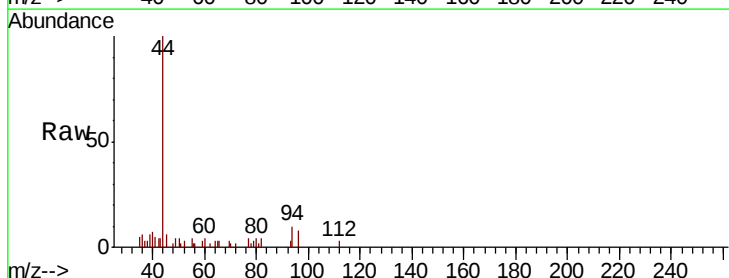
Acq: 19 Oct 2018 15:40

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

94 100

96 78.1 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

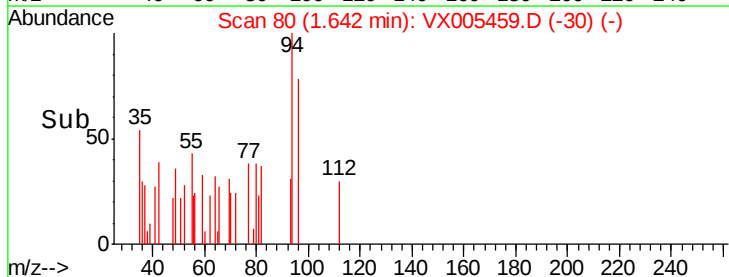
150

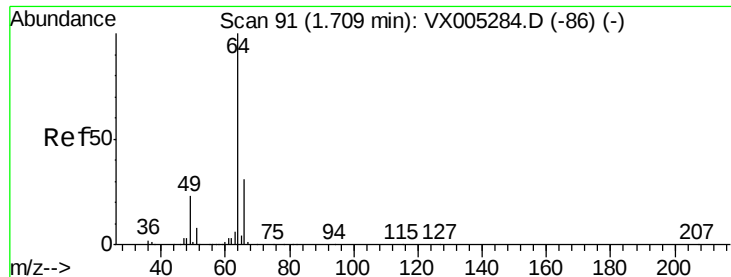
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.389 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

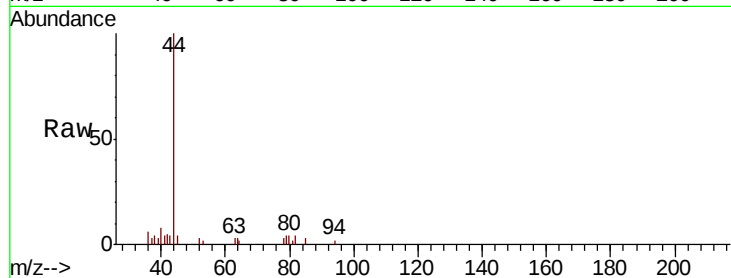
STORAGE-BLANK-WATER-REF-4

Tot Ion: 64 Resp: 105

Ion Ratio Lower Upper

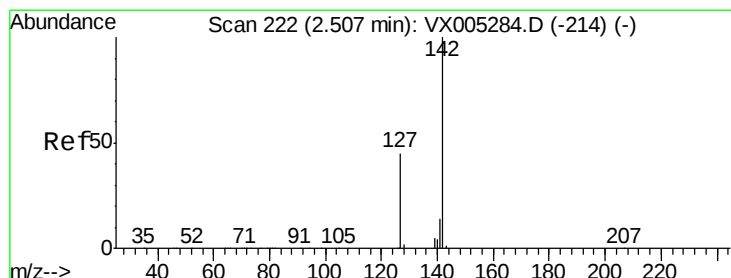
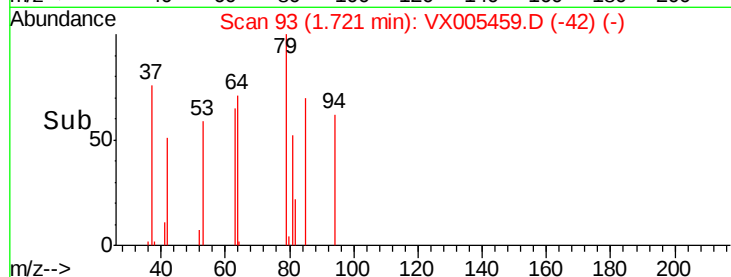
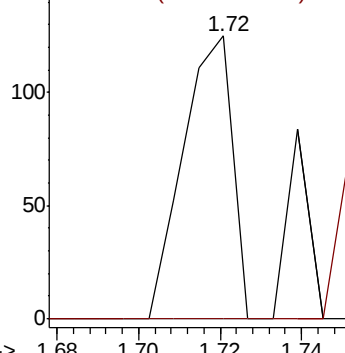
64 100

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: 2.553 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

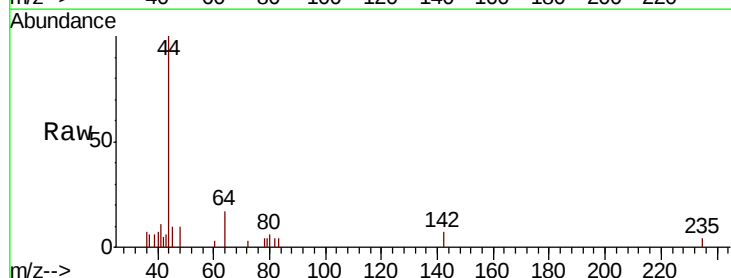
Tgt Ion: 142 Resp: 169

Ion Ratio Lower Upper

142 100

127 46.2 33.8 50.6

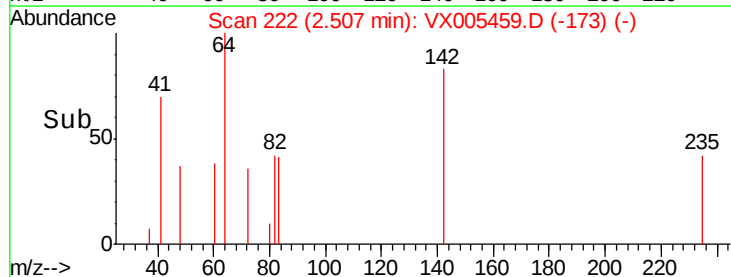
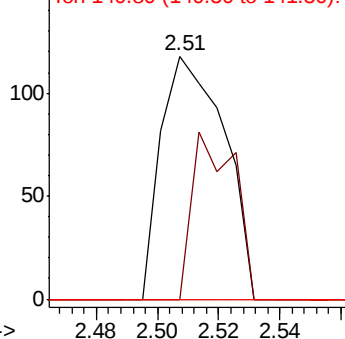
141 0.0 11.4 17.0#

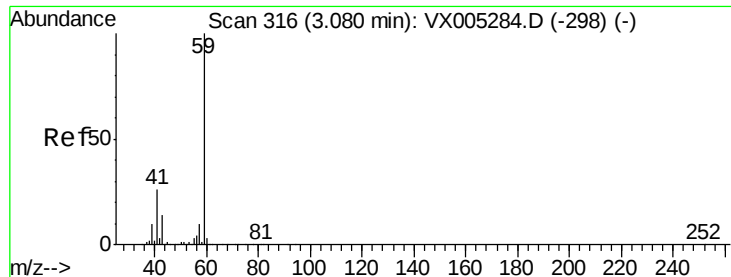


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



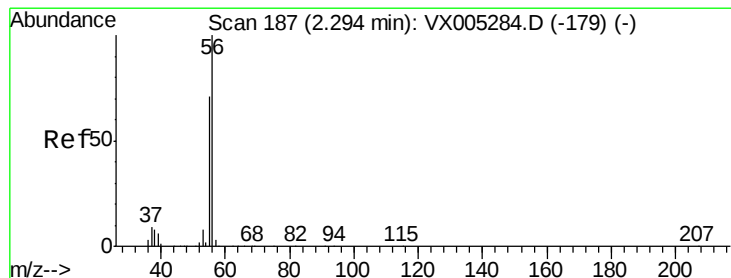
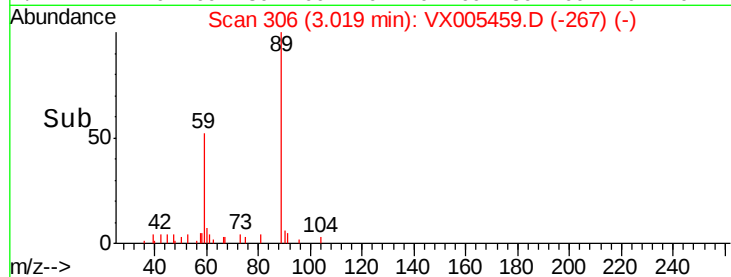
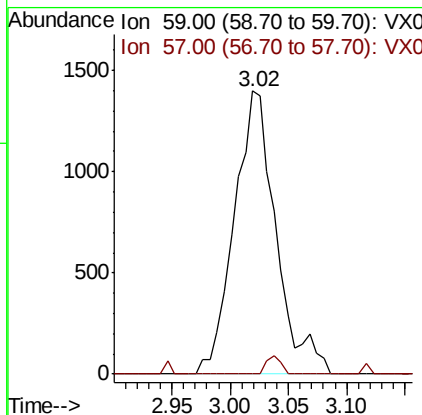
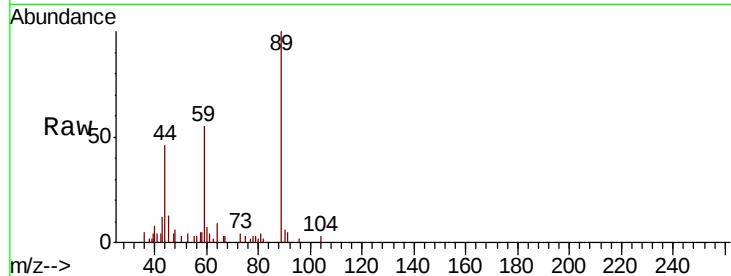


#11

Tert butyl alcohol
 Concen: 4.352 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005459.D
 Acq: 19 Oct 2018 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

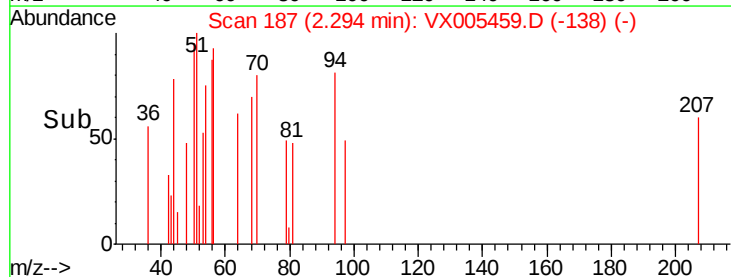
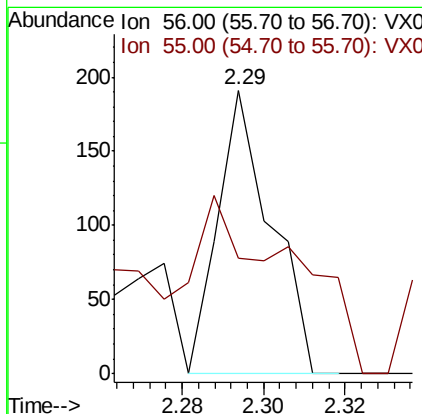
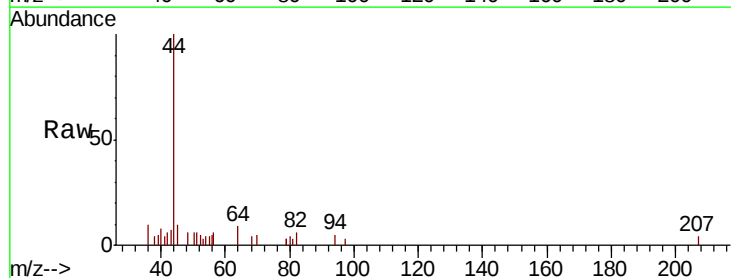
Tot Ion: 59 Resp: 3496
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.2 12.4#

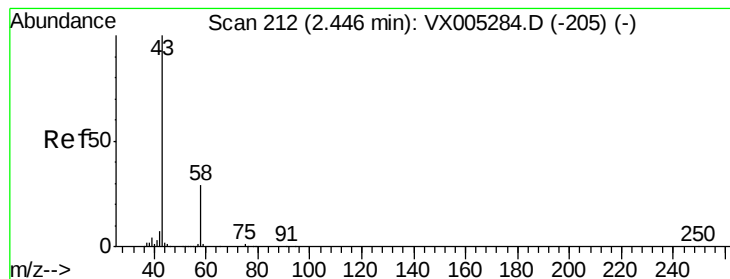


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005459.D
 Acq: 19 Oct 2018 15:40

Tgt Ion: 56 Resp: 173
 Ion Ratio Lower Upper
 56 100
 55 116.8 54.7 82.1#





#16

Acetone

Concen: 1.834 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

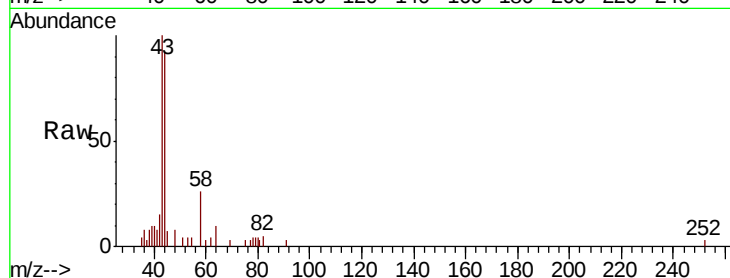
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 3020

Ion Ratio Lower Upper

43 100

58 27.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1500

1000

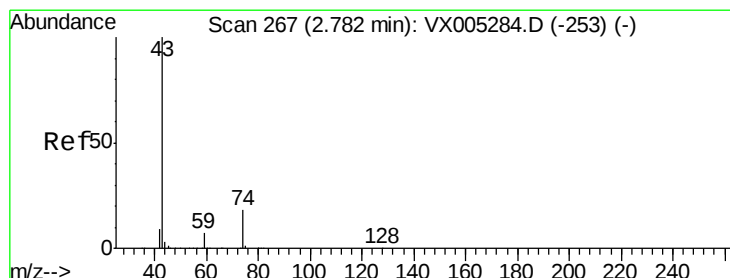
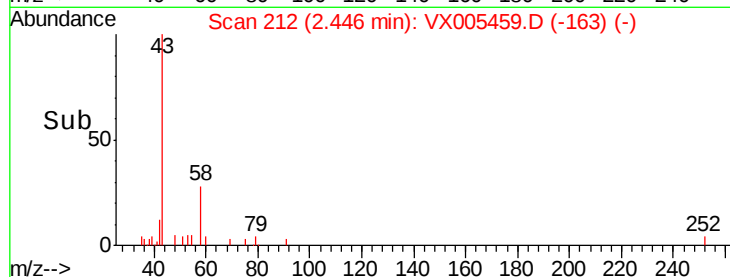
500

200

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.557 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005459.D

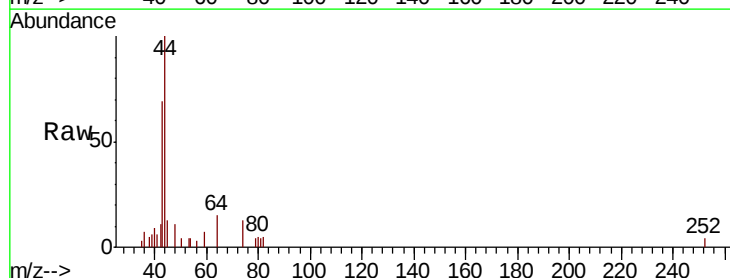
Acq: 19 Oct 2018 15:40

Tgt Ion: 43 Resp: 2607

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

1000

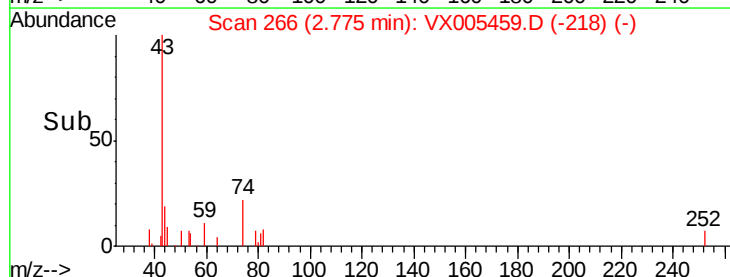
500

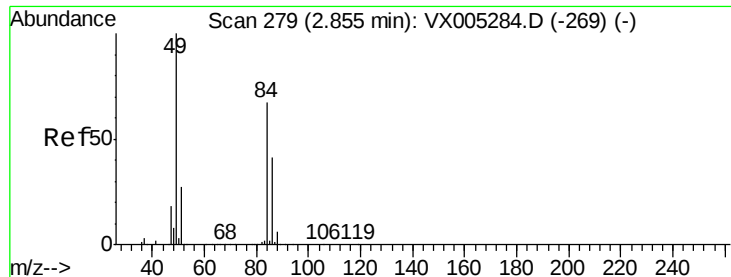
200

0

2.70 2.80 2.90

Time-->

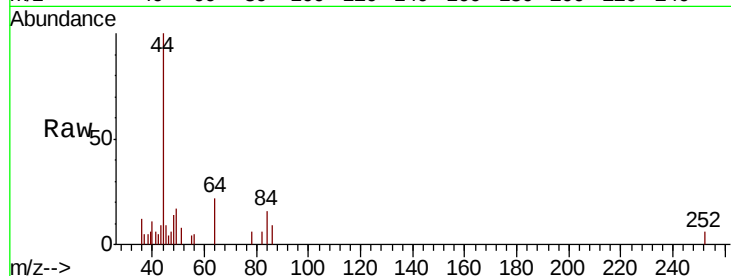




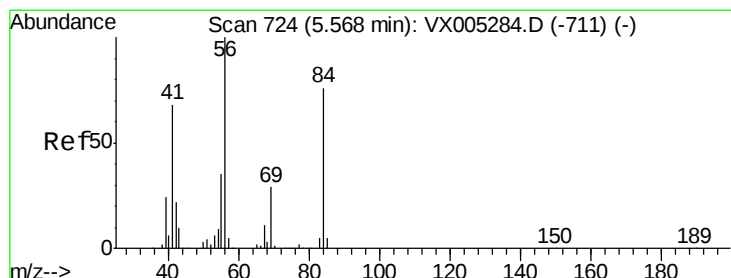
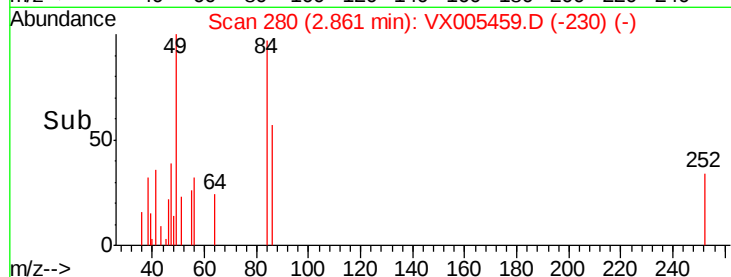
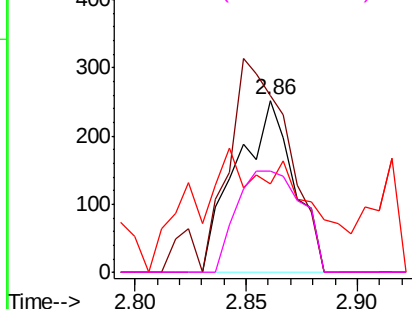
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 102.8 101.2 151.8
51 23.0 29.5 44.3#
86 58.7 52.3 78.5

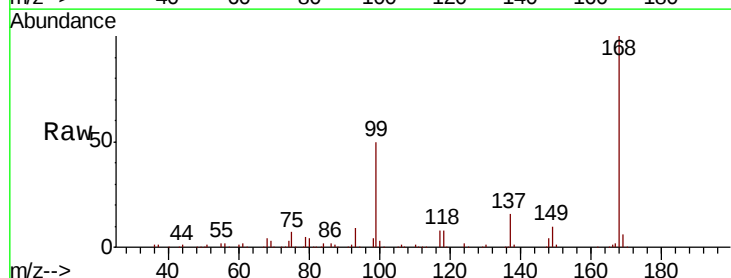


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

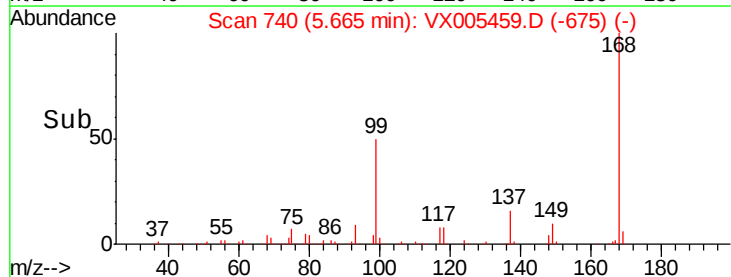
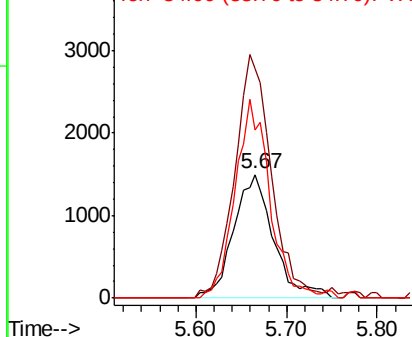


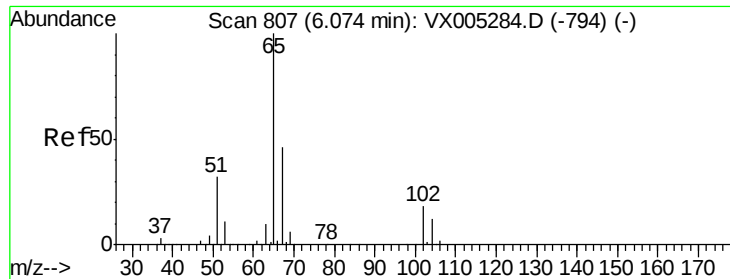
#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

Tgt Ion: 56 Resp: 4554
Ion Ratio Lower Upper
56 100
69 186.0 25.4 38.2#
84 136.8 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: 53.048 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

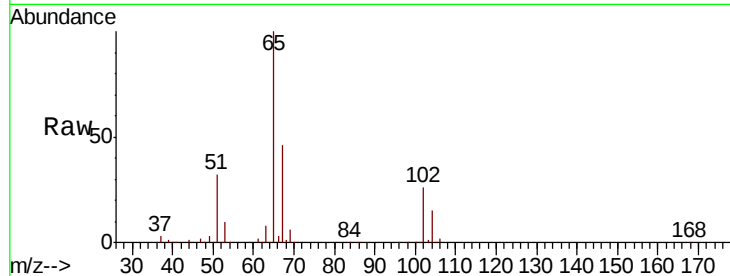
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 151065

Ion Ratio Lower Upper

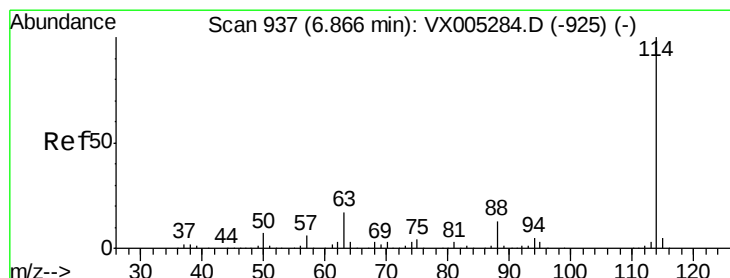
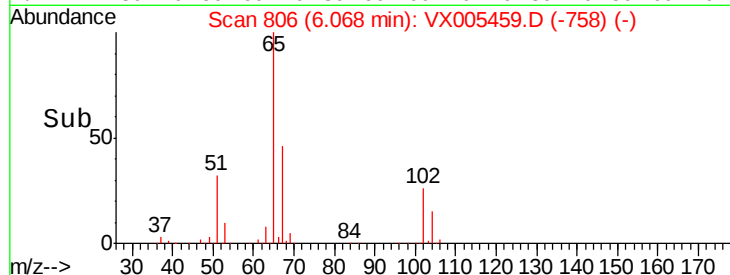
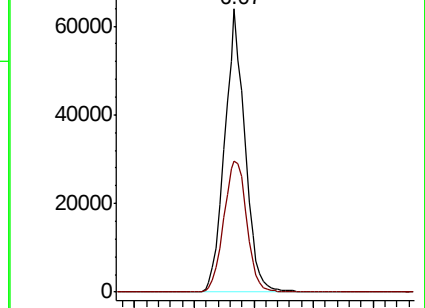
65 100

67 52.6 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: VX005459.D

Acq: 19 Oct 2018 15:40

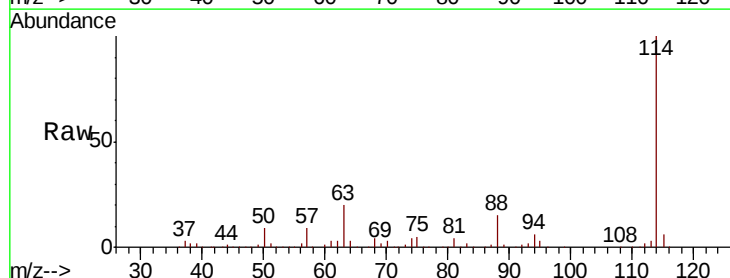
Tgt Ion: 114 Resp: 362445

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

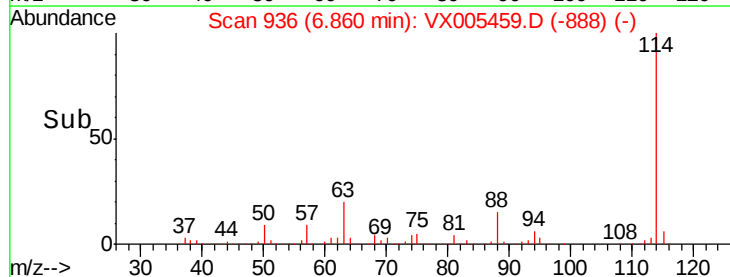
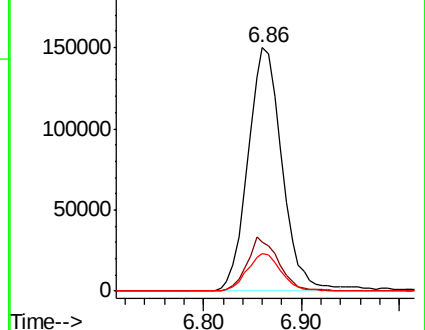
88 15.3 0.0 30.4

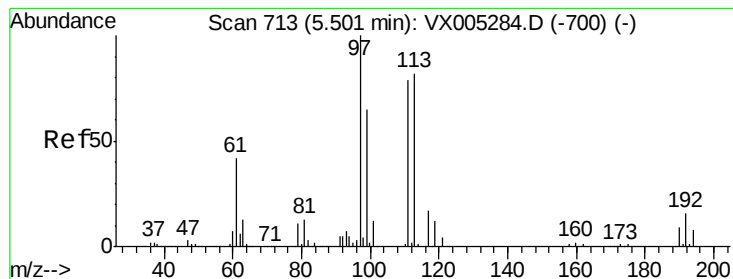


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.871 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

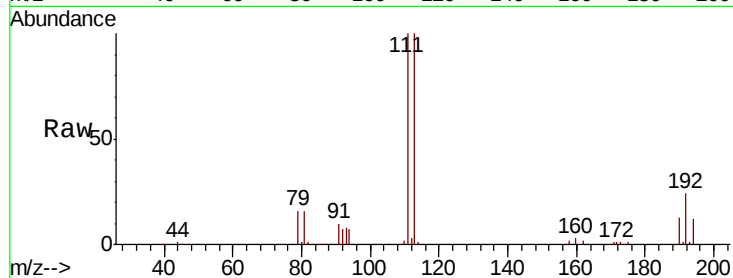
Tot Ion:113 Resp: 122118

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

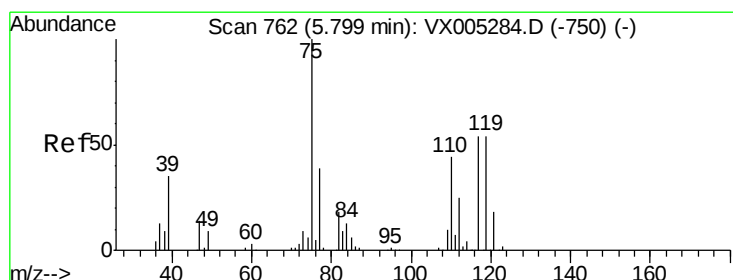
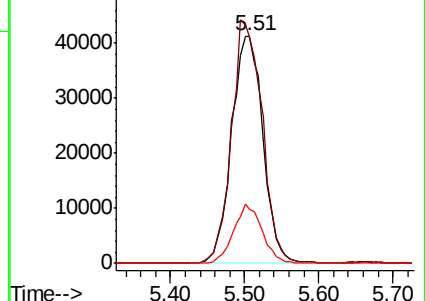
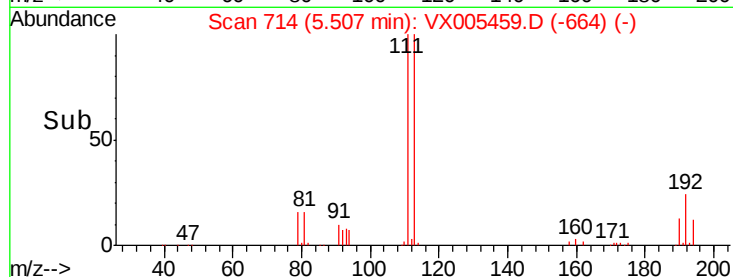
192 23.8 19.4 29.2



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: 4.915 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

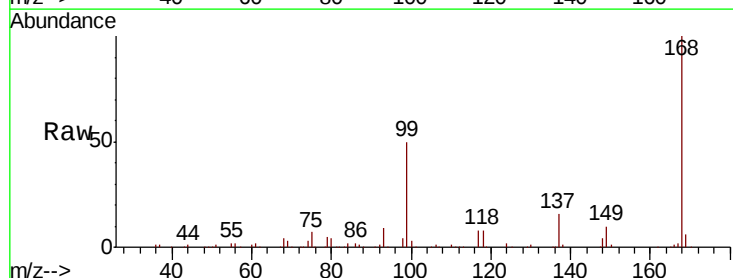
Tgt Ion: 75 Resp: 17254

Ion Ratio Lower Upper

75 100

110 9.3 18.0 54.0#

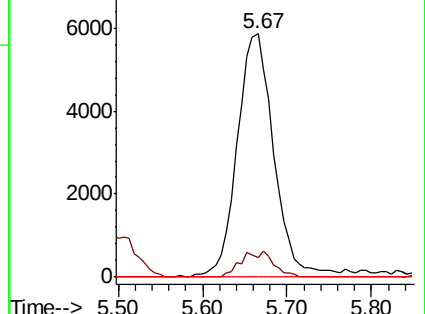
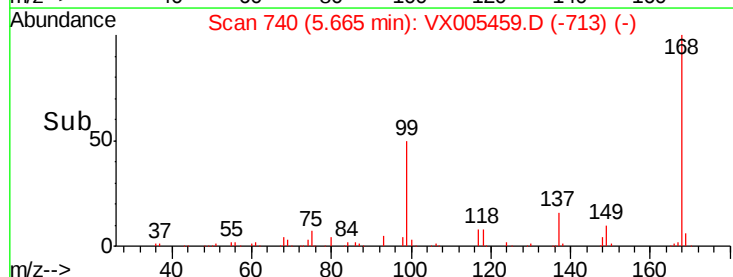
77 0.0 24.6 36.8#

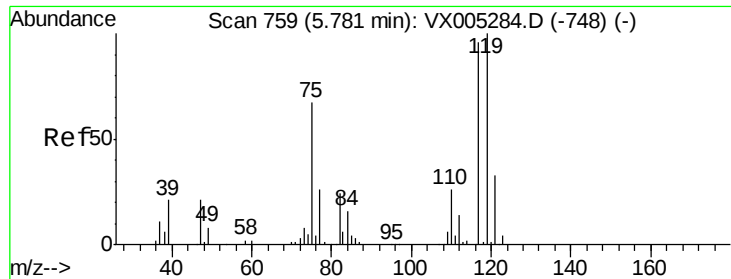


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.242 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005459.D

Acq: 19 Oct 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

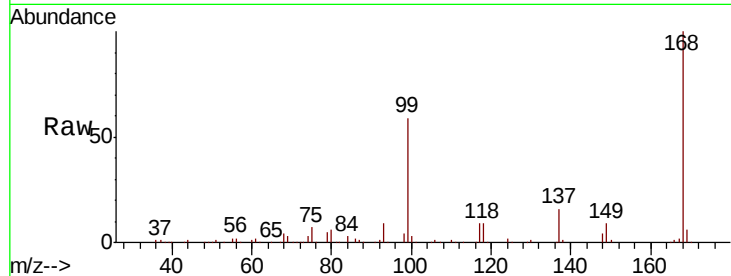
Tot Ion:117 Resp: 22016

Ion Ratio Lower Upper

117 100

119 4.9 78.8 118.2#

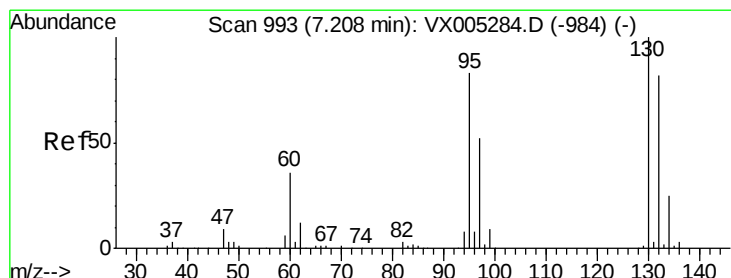
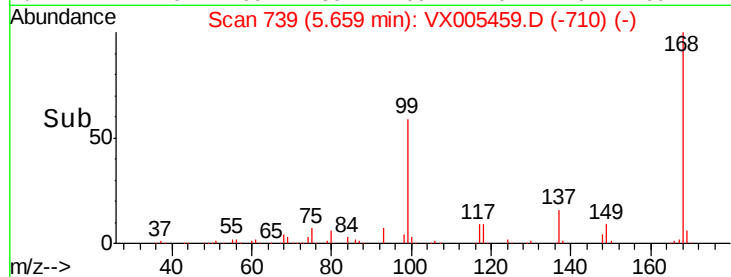
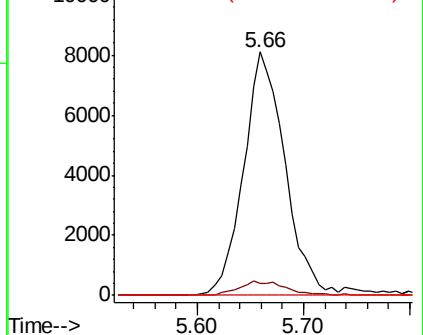
121 0.0 24.9 37.3#



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: VX005459.D

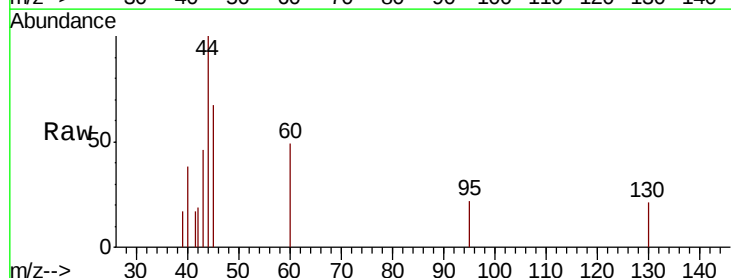
Acq: 19 Oct 2018 15:40

Tgt Ion:130 Resp: 23

Ion Ratio Lower Upper

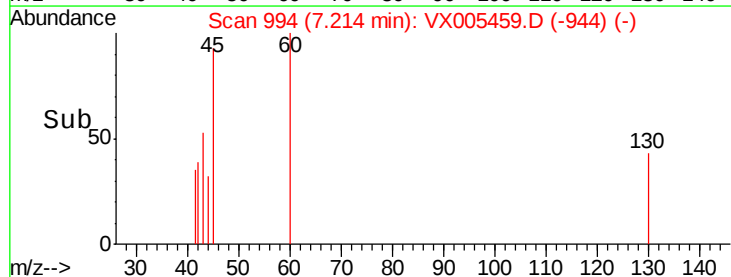
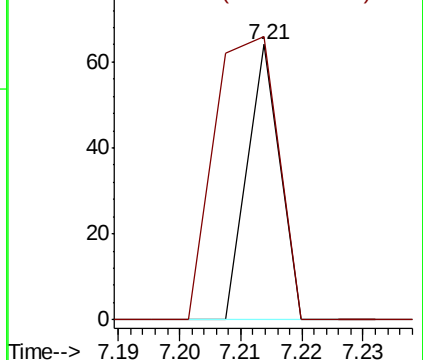
130 100

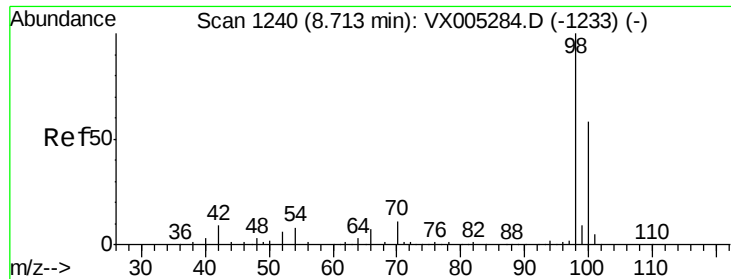
95 103.1 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

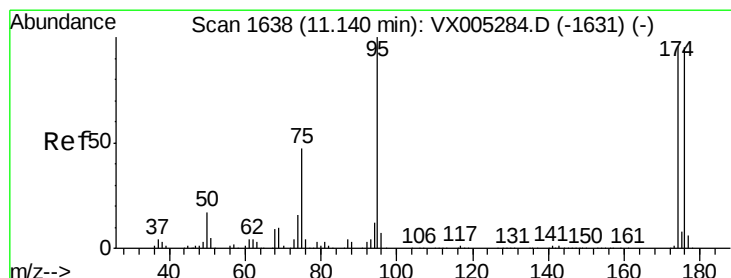
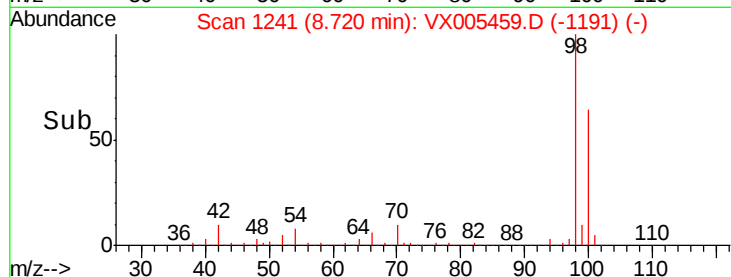
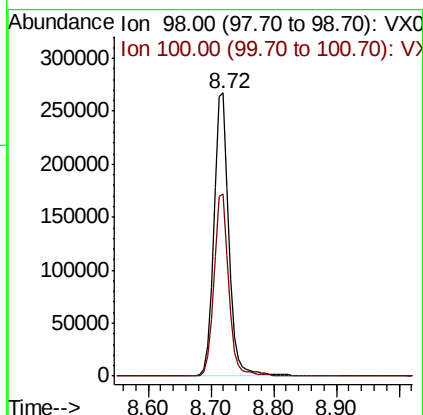
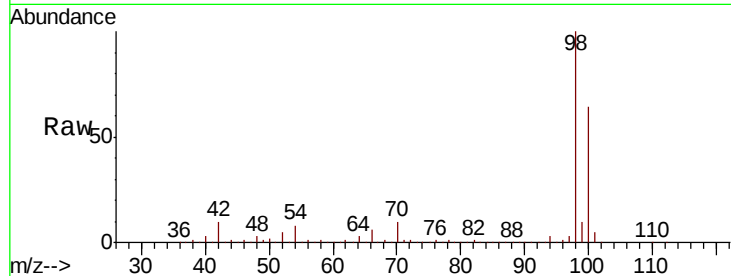




#50
Toluene-d8
Concen: 53.378 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

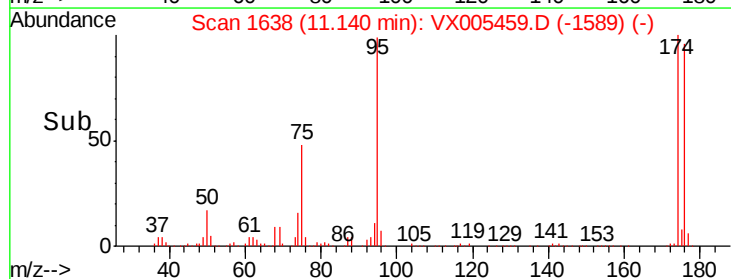
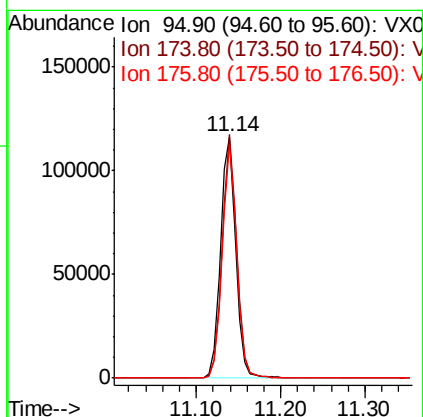
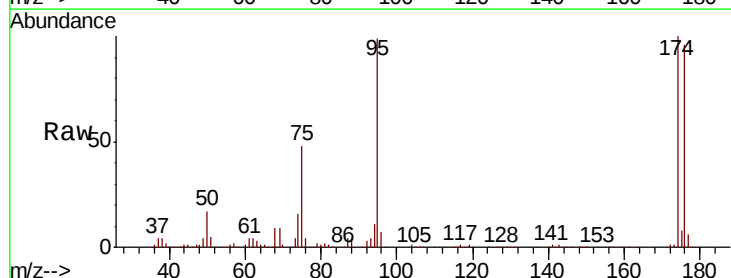
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

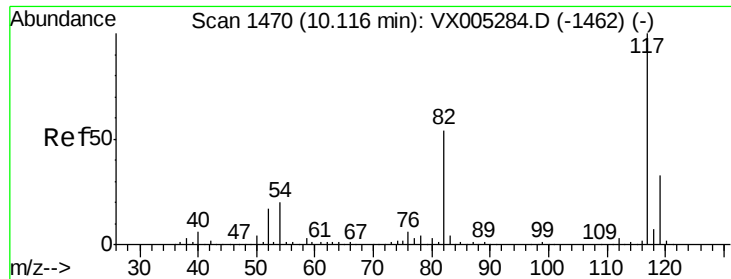
Tot Ion: 98 Resp: 439908
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 47.189 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

Tgt Ion: 95 Resp: 146094
Ion Ratio Lower Upper
95 100
174 96.8 0.0 185.2
176 92.4 0.0 178.6

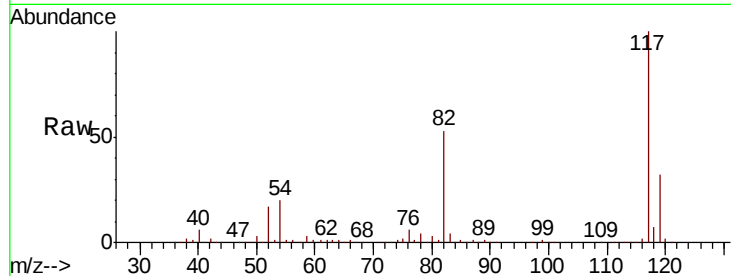




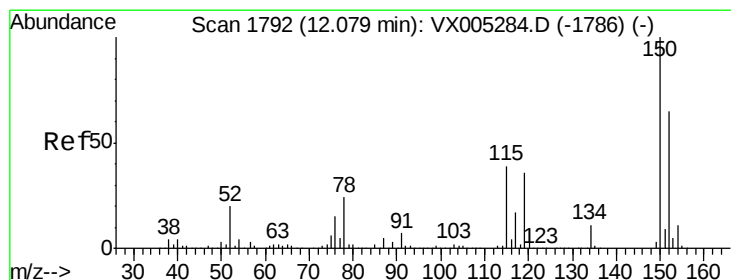
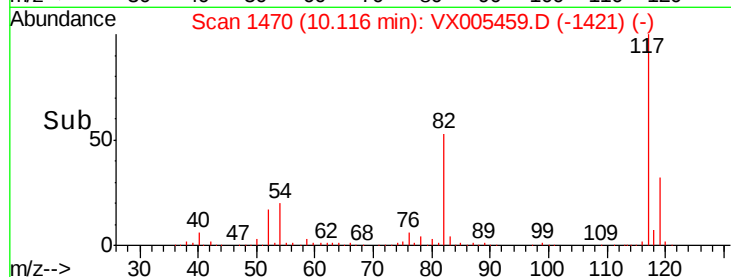
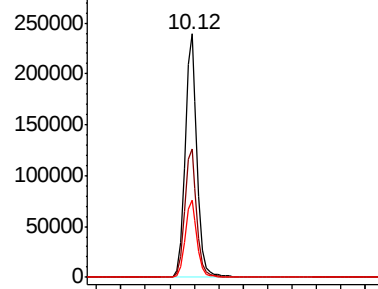
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:117 Resp: 332408
Ion Ratio Lower Upper
117 100
82 52.8 47.8 71.6
119 31.9 29.3 43.9

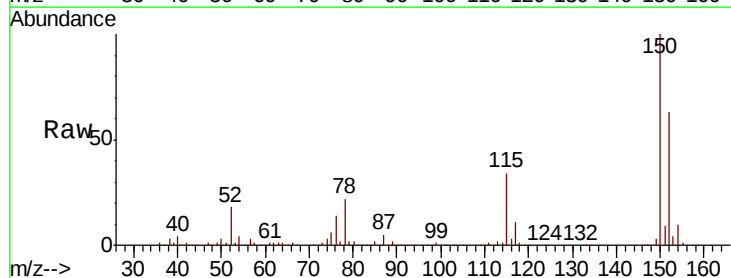


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

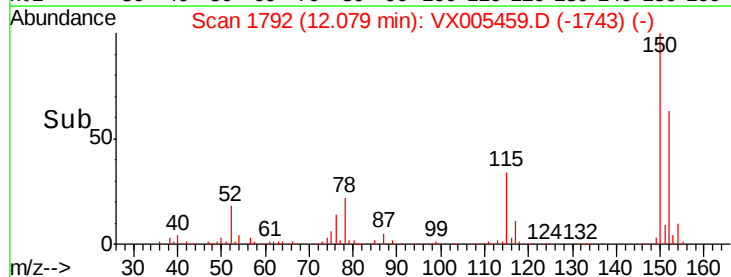
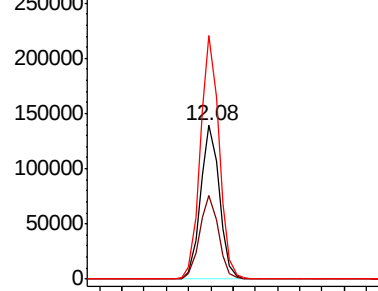


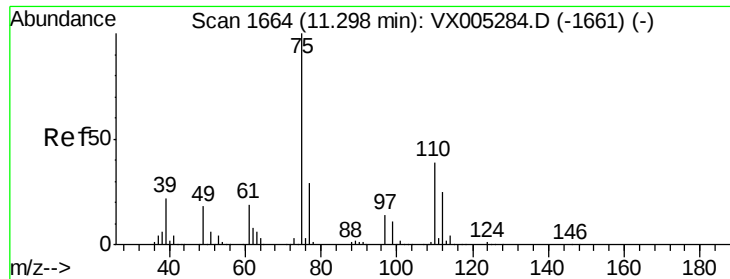
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005459.D
Acq: 19 Oct 2018 15:40

Tgt Ion:152 Resp: 162946
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 157.7 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

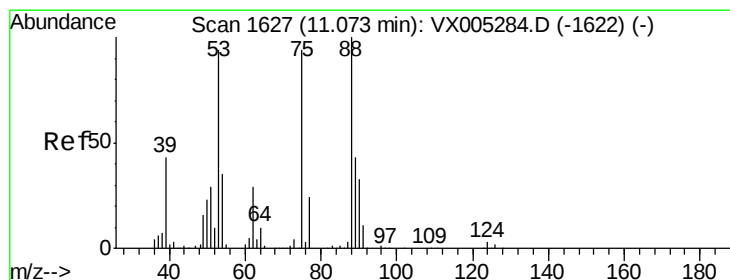
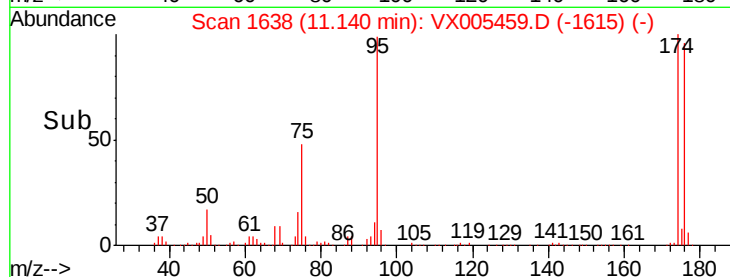
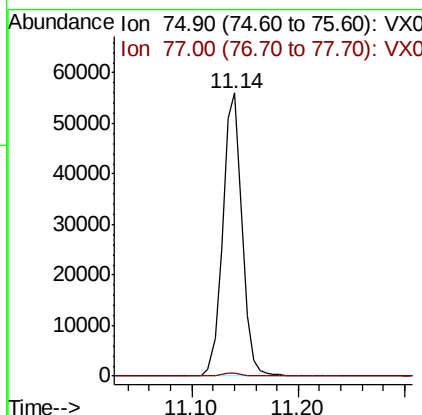
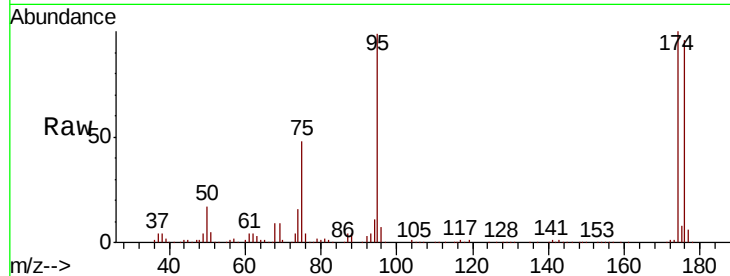




#76
 1,2,3-Trichloropropane
 Concen: 22.390 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005459.D
 Acq: 19 Oct 2018 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 70767
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.031 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005459.D
 Acq: 19 Oct 2018 15:40

Tgt Ion: 75 Resp: 70767
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.1 37.2 55.8#

