

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005616.D
 Acq On : 26 Oct 2018 20:16
 Operator : JC/MD
 Sample : J5699-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 27 04:49:21 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	240059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	361000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155156	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	146938	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.49	113	117572	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	419036	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.14	95	141471	42.65	ug/l	0.00
Spiked Amount			Recovery	=	85.30%	

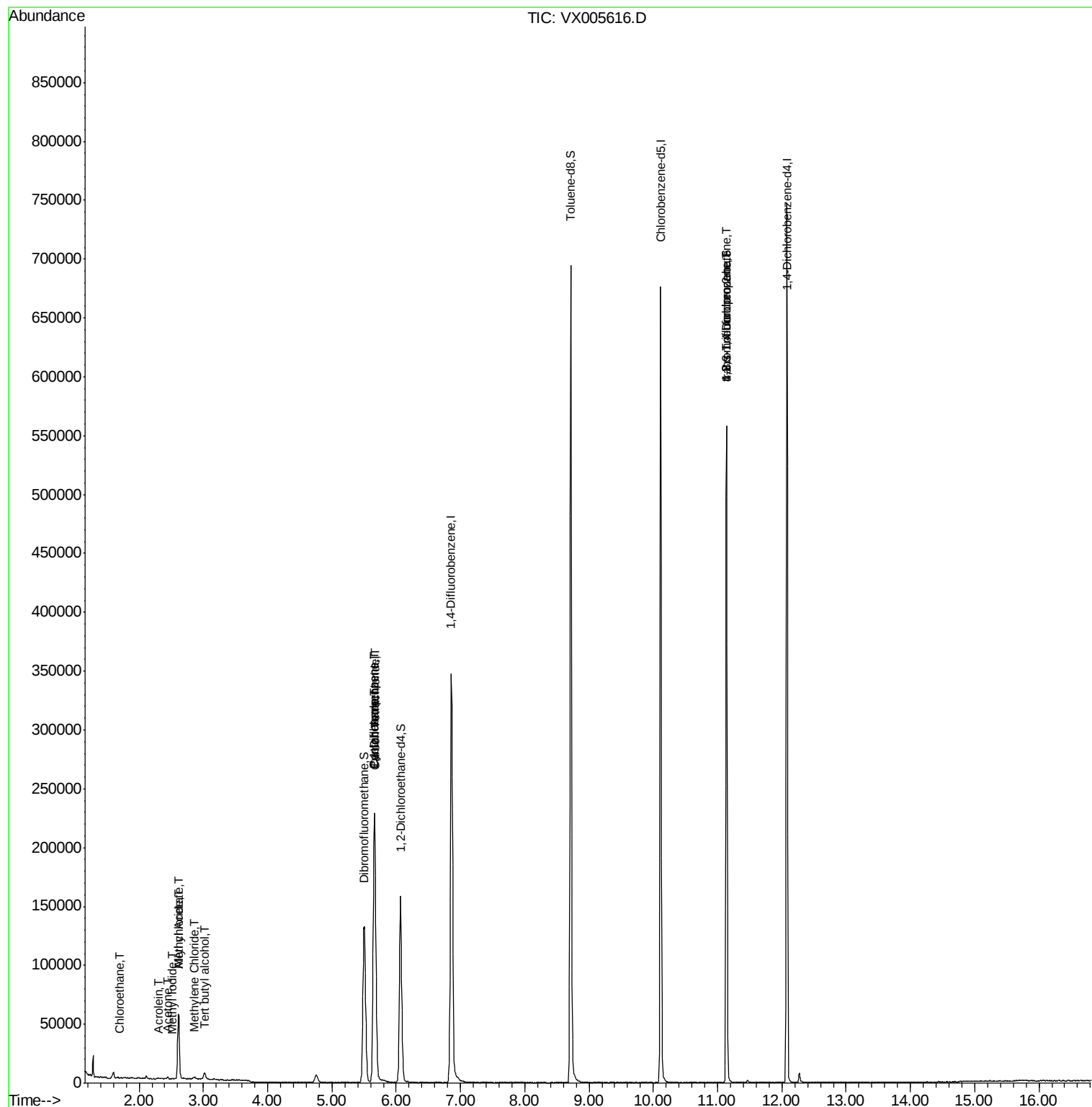
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	457	0.241	ug/l #	42
10) Methyl Iodide	2.52	142	135	2.777	ug/l #	58
11) Tert butyl alcohol	3.02	59	3494	4.431	ug/l #	74
13) Acrolein	2.30	56	121	0.301	ug/l	92
14) Allyl chloride	2.62	41	5788	1.151	ug/l #	72
16) Acetone	2.44	43	1535	0.991	ug/l	89
18) Methyl Acetate	2.61	43	15574	2.688	ug/l #	55
20) Methylene Chloride	2.86	84	764	0.295	ug/l #	94
31) Cyclohexane	5.66	56	4366	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16795	4.794	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21691	5.879	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	71648	21.795	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	71648	71.215	ug/l #	9

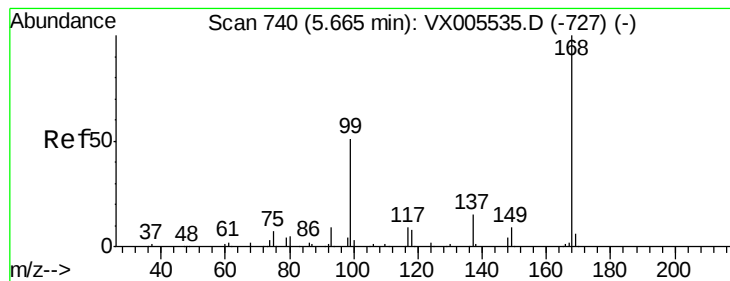
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

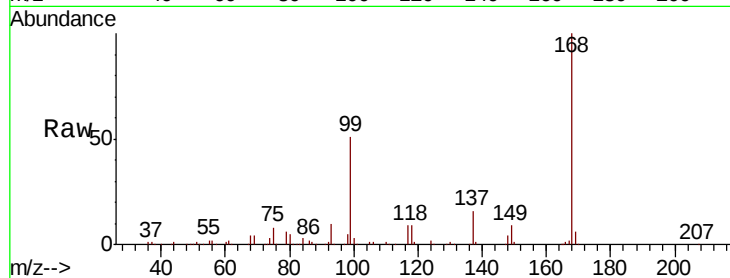
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 240059

Ion Ratio Lower Upper

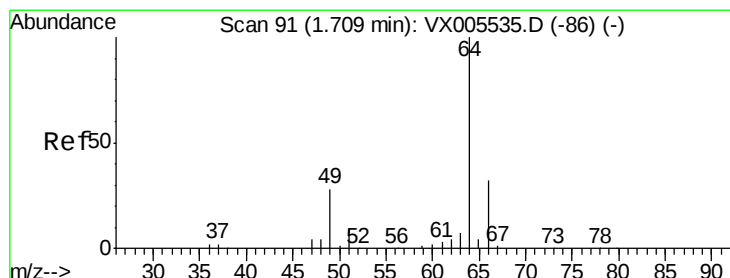
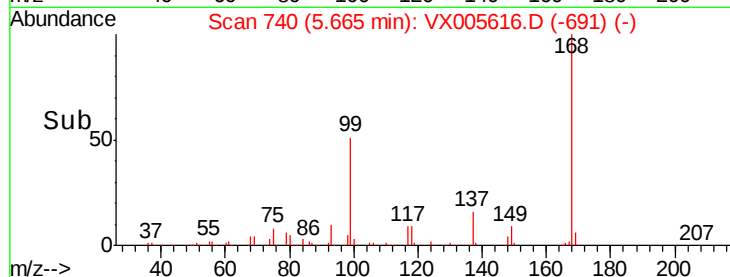
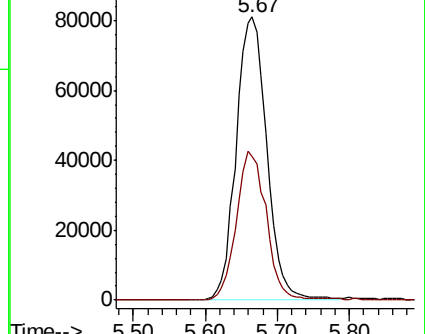
168 100

99 50.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005616.D

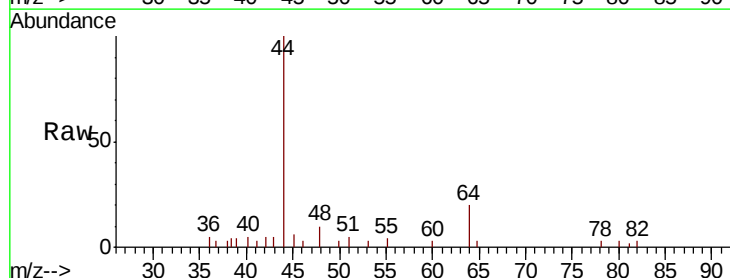
Acq: 26 Oct 2018 20:16

Tgt Ion: 64 Resp: 457

Ion Ratio Lower Upper

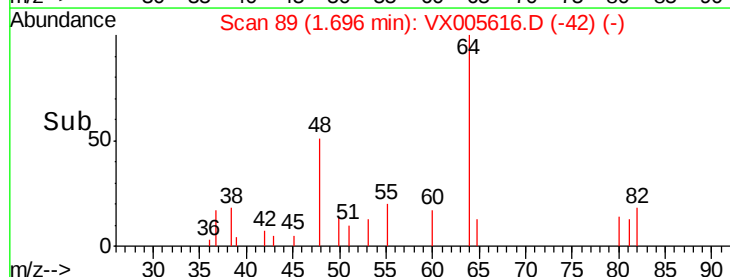
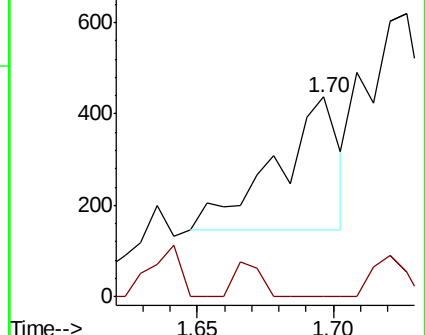
64 100

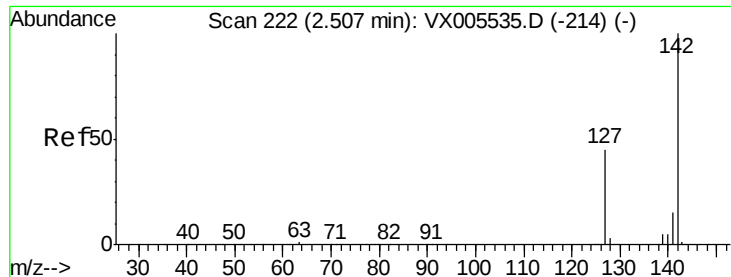
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

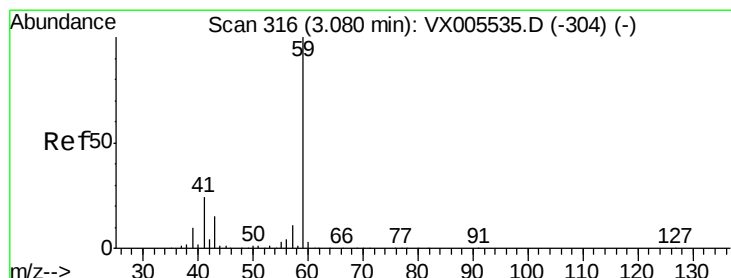
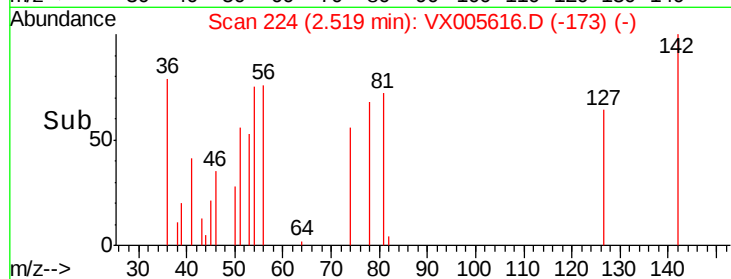
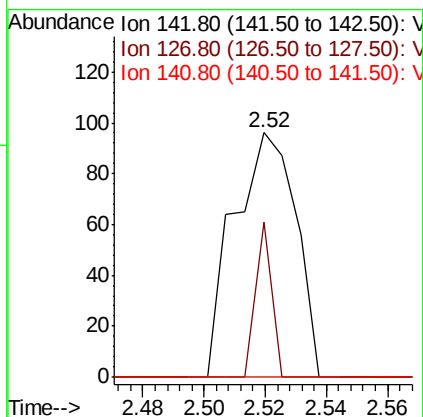
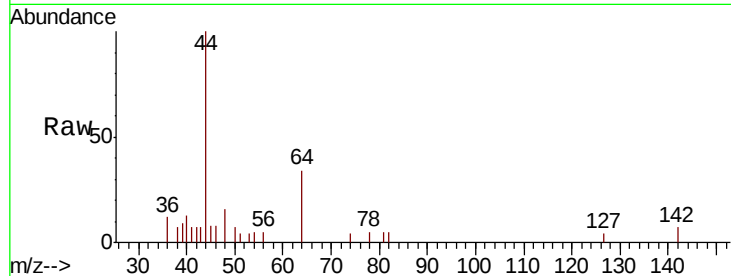




#10
Methyl Iodide
Concen: 2.777 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005616.D
Acq: 26 Oct 2018 20:16

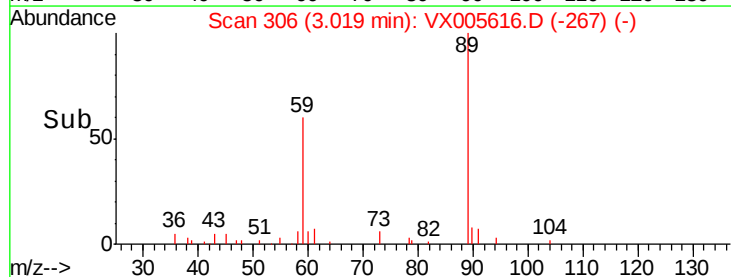
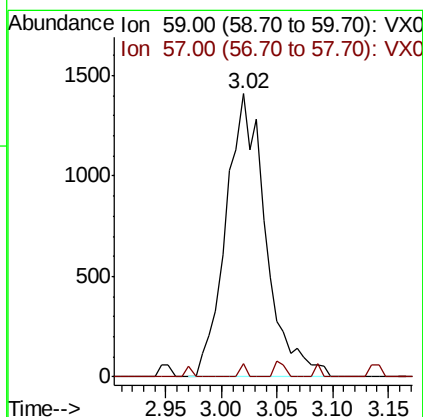
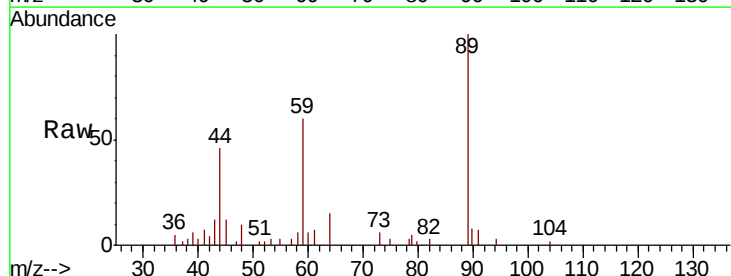
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

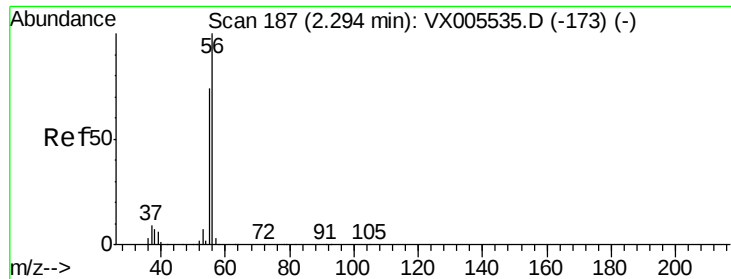
Tot Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 16.3 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.431 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005616.D
Acq: 26 Oct 2018 20:16

Tgt Ion: 59 Resp: 3494
Ion Ratio Lower Upper
59 100
57 0.7 8.5 12.7#





#13

Acrolein

Concen: 0.301 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

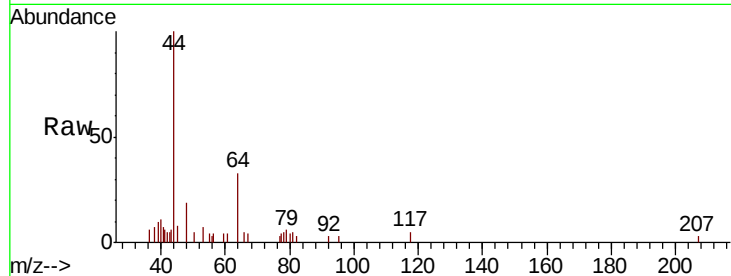
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 65.3 57.3 85.9

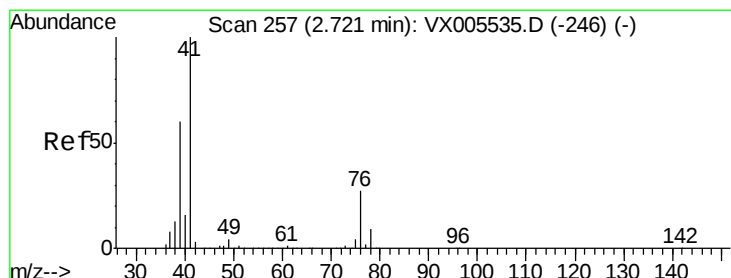
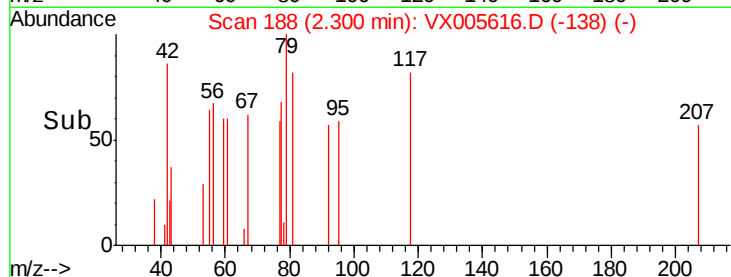


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

Time-->



#14

Allyl chloride

Concen: 1.151 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

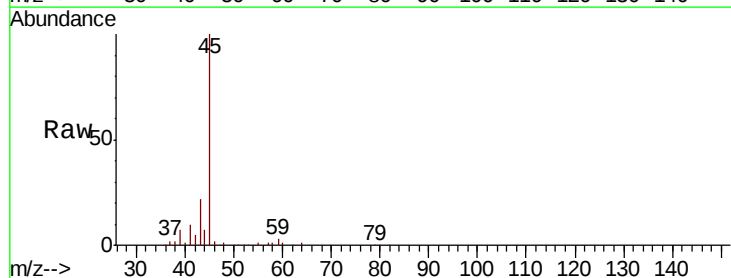
Tgt Ion: 41 Resp: 5788

Ion Ratio Lower Upper

41 100

39 73.0 48.2 72.4#

76 0.0 21.9 32.9#



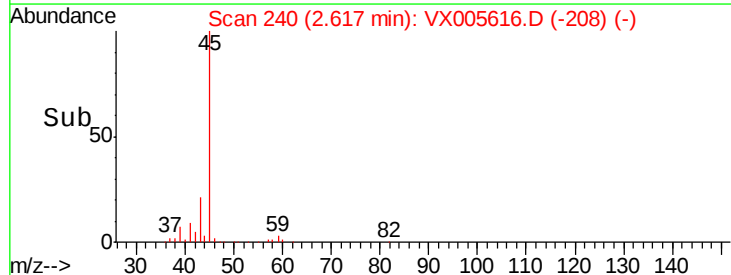
Abundance Ion 41.00 (40.70 to 41.70): VX0

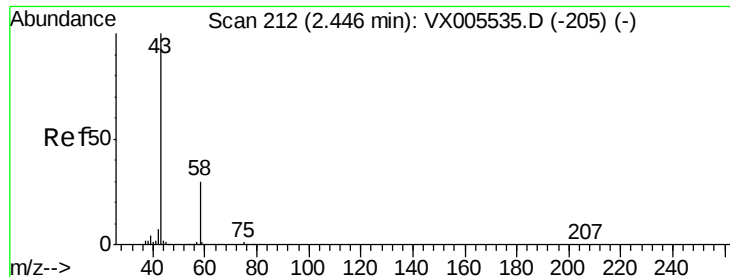
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.62

Time-->





#16

Acetone

Concen: 0.991 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

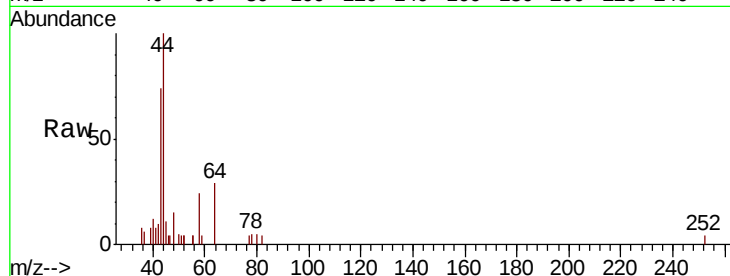
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 35.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

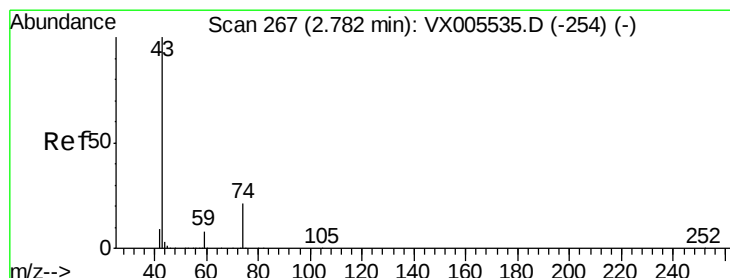
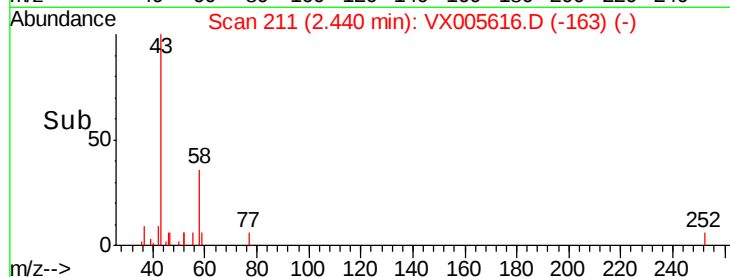
400

200

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 2.688 ug/l

RT: 2.61 min Scan# 239

Delta R.T. -0.17 min

Lab File: VX005616.D

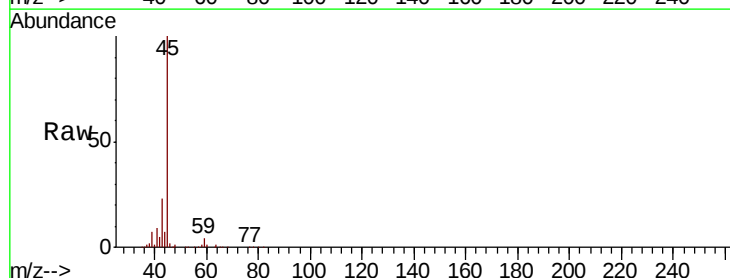
Acq: 26 Oct 2018 20:16

Tgt Ion: 43 Resp: 15574

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

8000

6000

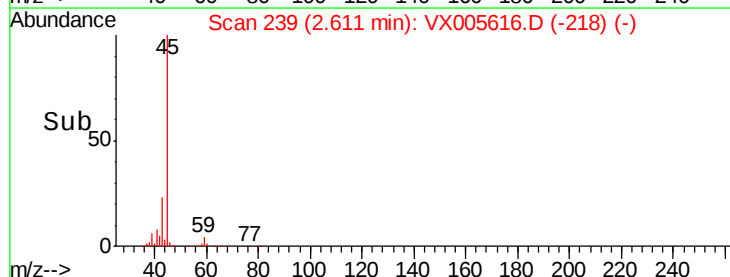
4000

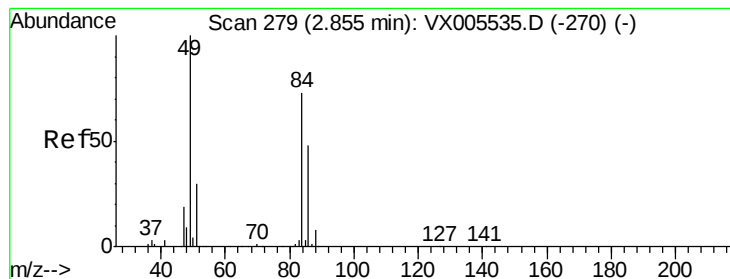
2000

0

2.50 2.60 2.70

Time-->





#20

Methylene Chloride

Concen: 0.295 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 84 Resp: 764

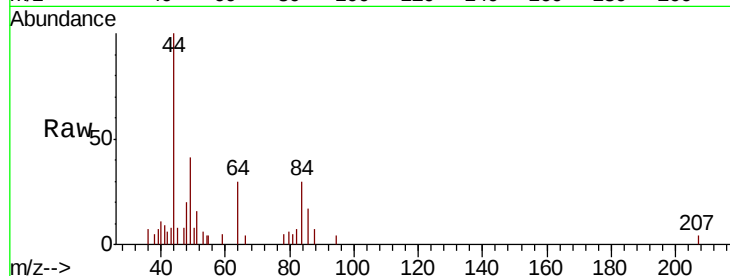
Ion Ratio Lower Upper

84 100

49 137.6 109.5 164.3

51 52.5 33.3 49.9#

86 58.0 52.7 79.1

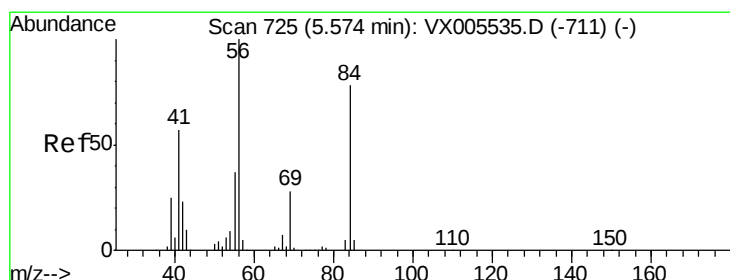
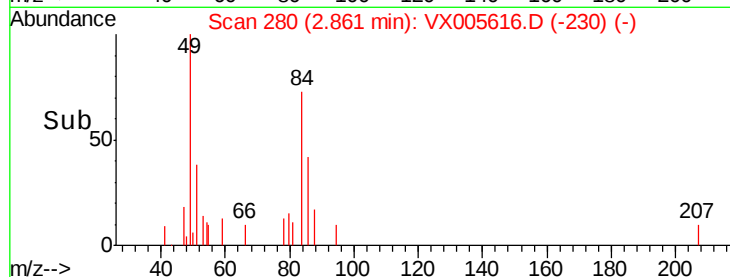
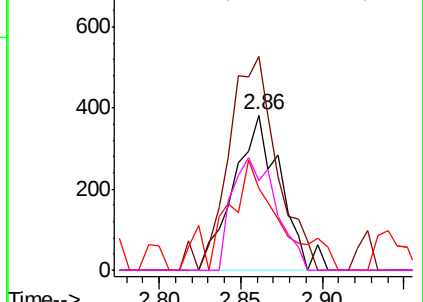


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.105 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

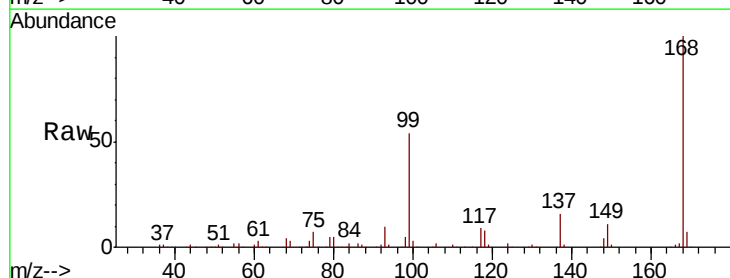
Tgt Ion: 56 Resp: 4366

Ion Ratio Lower Upper

56 100

69 168.3 22.6 34.0#

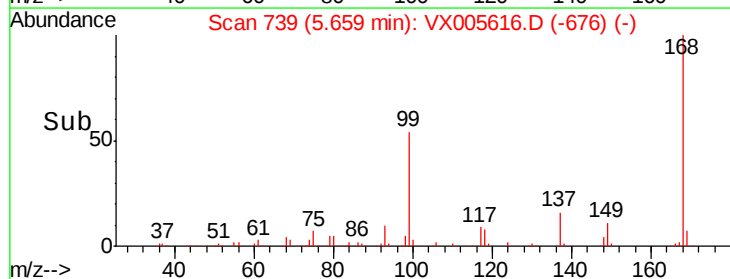
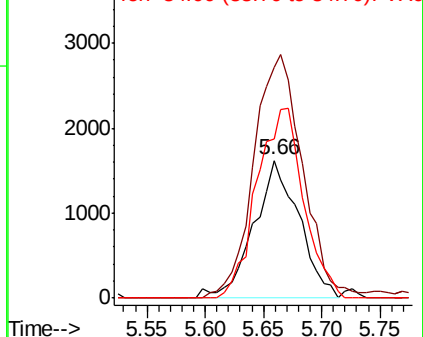
84 115.9 62.7 94.1#

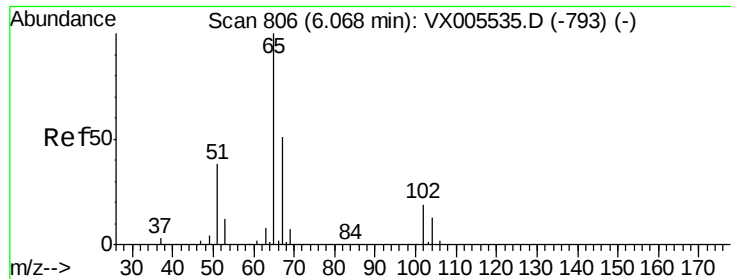


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

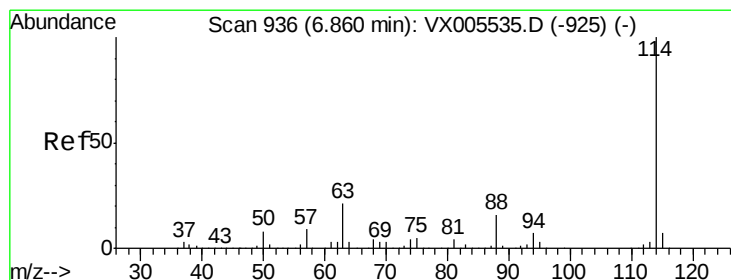
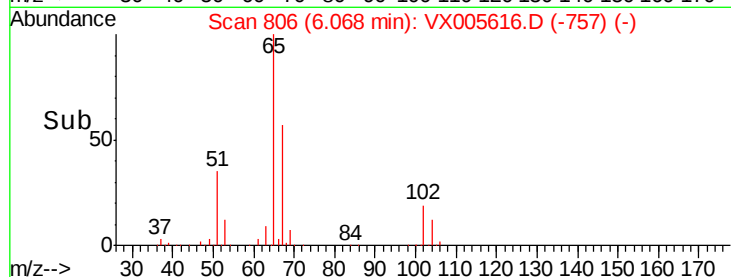
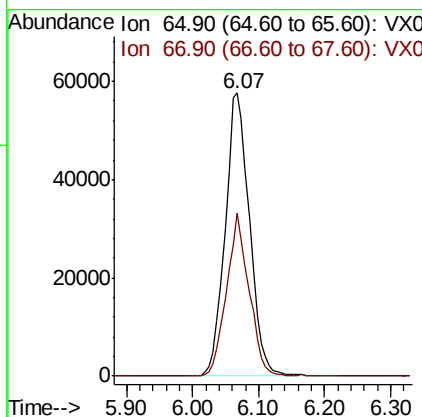
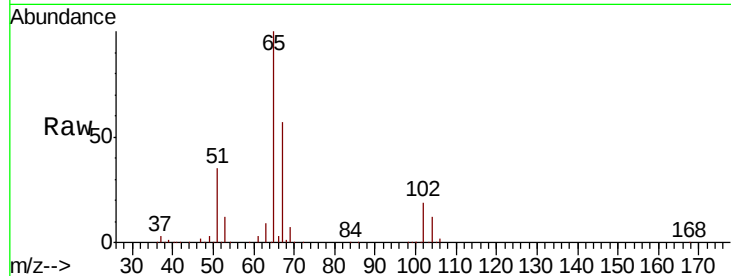




#33
 1,2-Dichloroethane-d4
 Concen: 50.143 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005616.D
 Acq: 26 Oct 2018 20:16

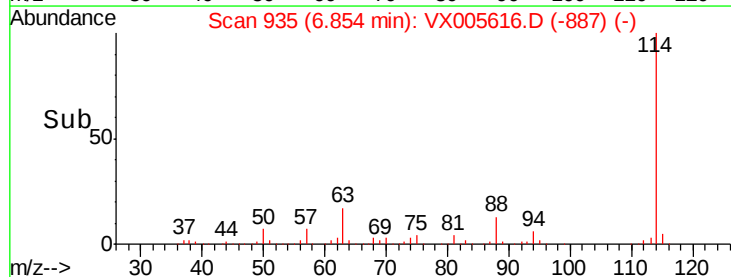
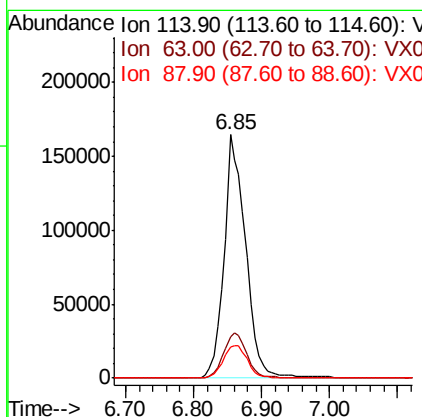
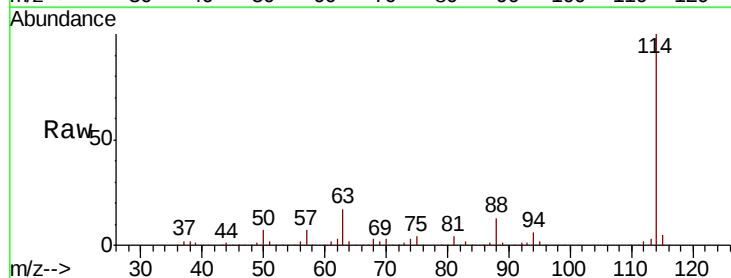
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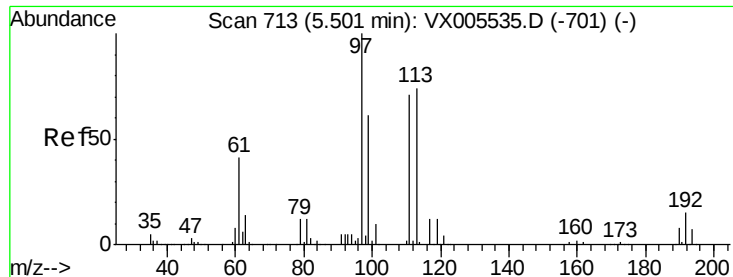
Tot Ion: 65 Resp: 146938
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005616.D
 Acq: 26 Oct 2018 20:16

Tgt Ion: 114 Resp: 361000
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 42.8
 88 12.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.099 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

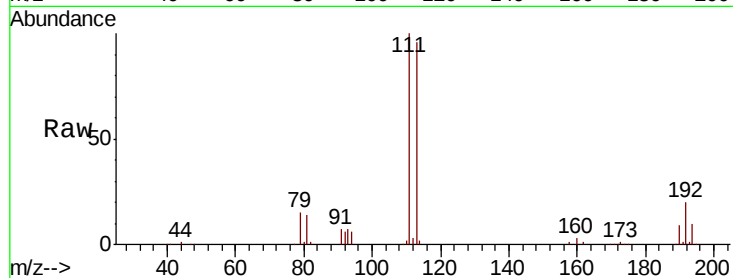
Tot Ion:113 Resp: 117572

Ion Ratio Lower Upper

113 100

111 100.7 82.3 123.5

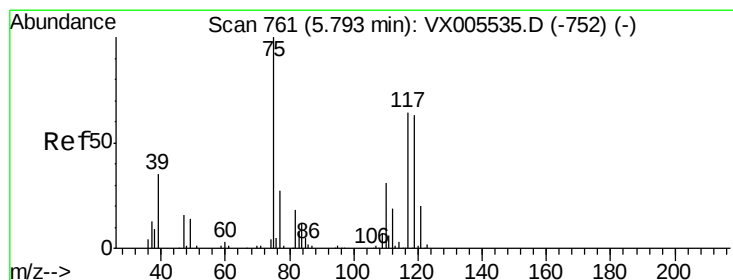
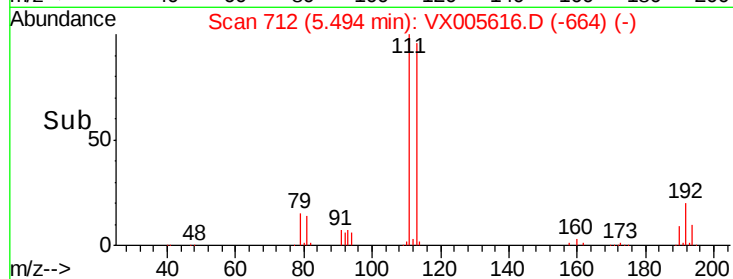
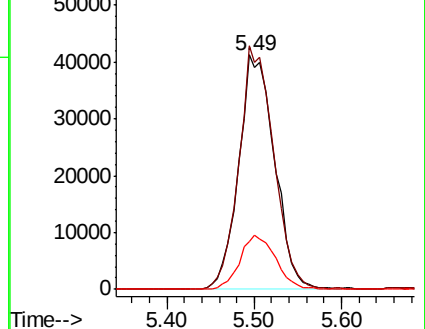
192 23.0 17.9 26.9



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: 4.794 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

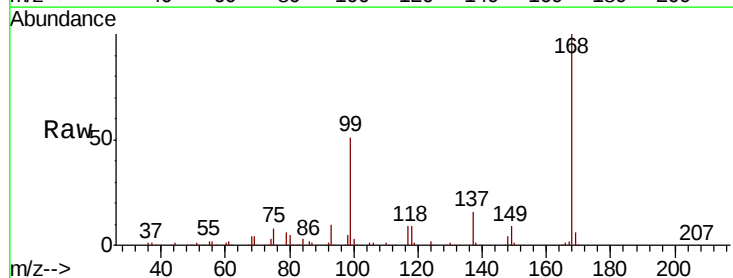
Tgt Ion: 75 Resp: 16795

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

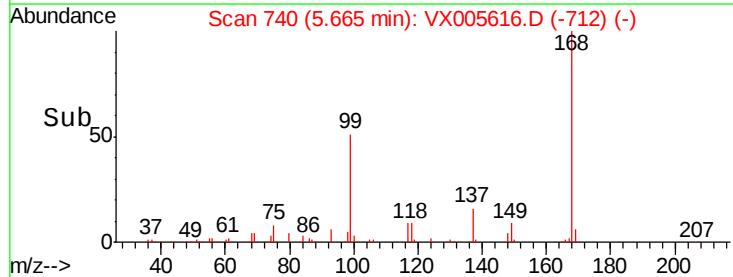
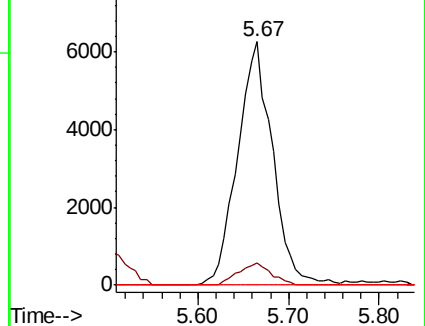
77 0.0 25.8 38.6#

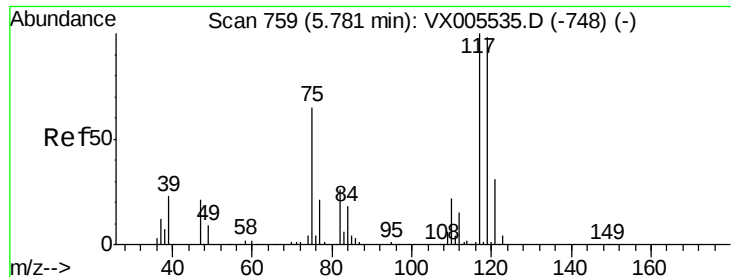


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

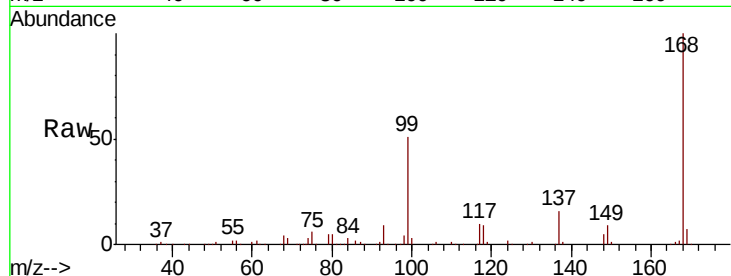
Tot Ion:117 Resp: 21691

Ion Ratio Lower Upper

117 100

119 6.9 78.1 117.1#

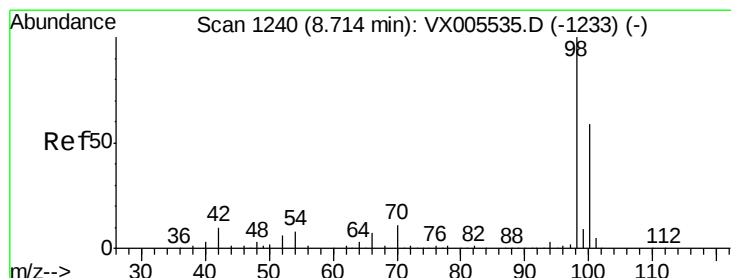
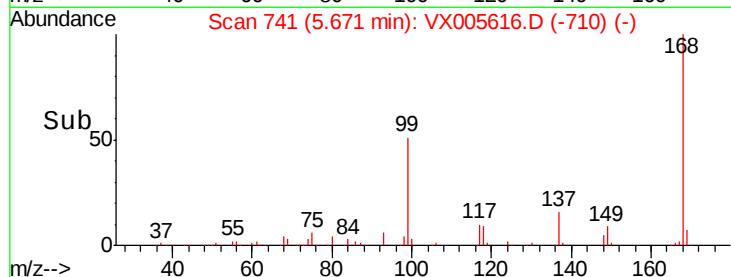
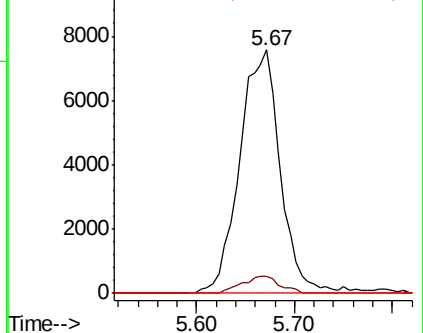
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 47.709 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005616.D

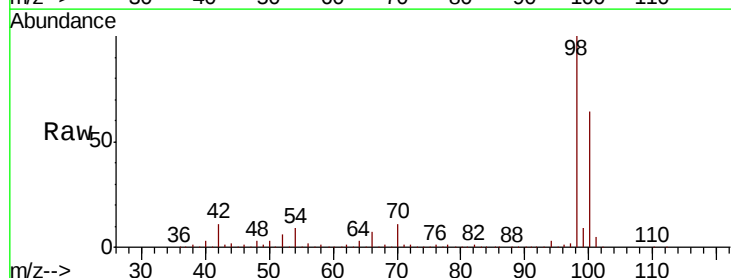
Acq: 26 Oct 2018 20:16

Tgt Ion: 98 Resp: 419036

Ion Ratio Lower Upper

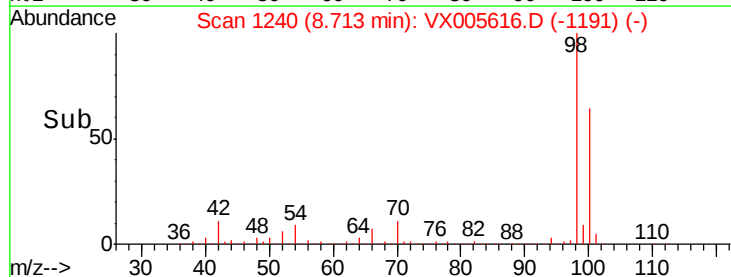
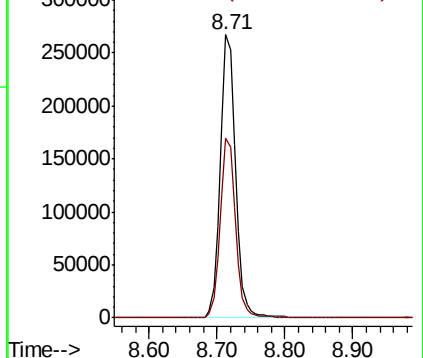
98 100

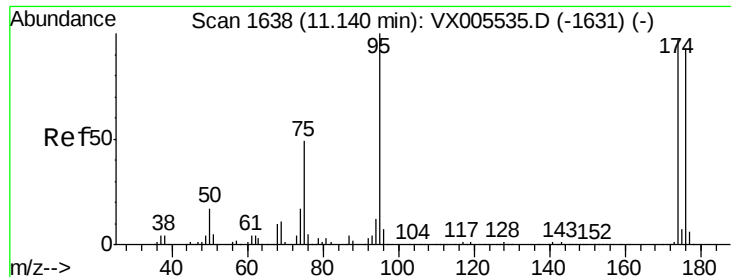
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

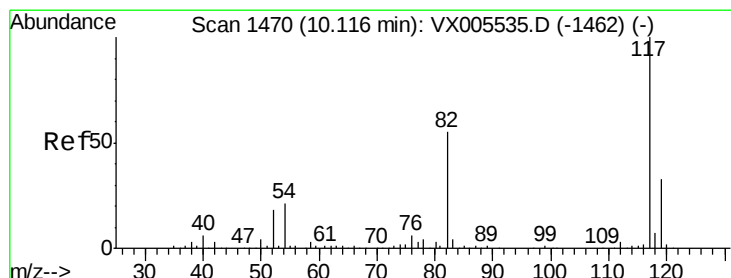
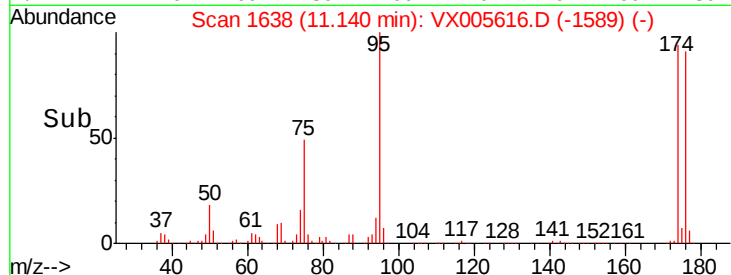
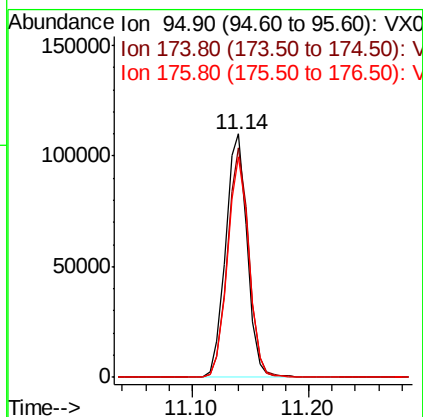
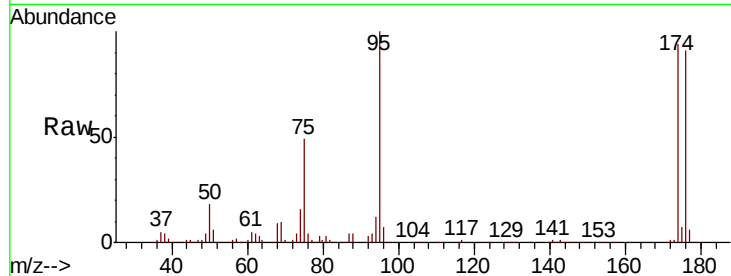




#62
4-Bromofluorobenzene
Concen: 42.651 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005616.D
Acq: 26 Oct 2018 20:16

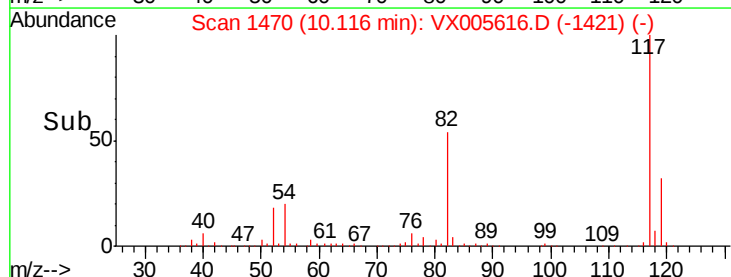
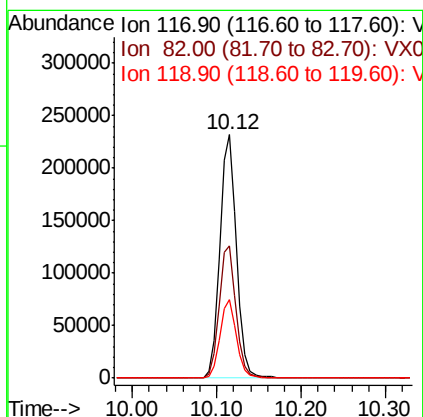
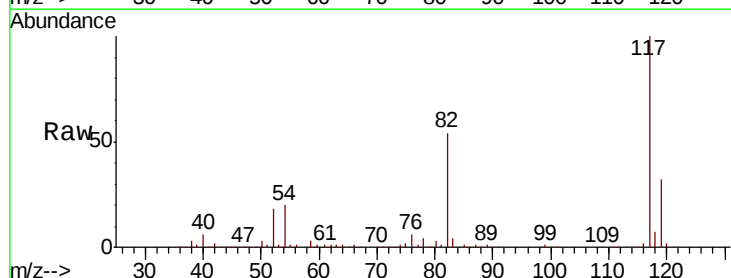
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

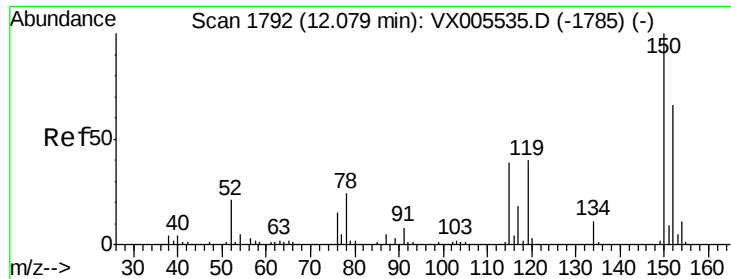
Tot Ion: 95 Resp: 141471
Ion Ratio Lower Upper
95 100
174 93.6 0.0 184.4
176 90.3 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005616.D
Acq: 26 Oct 2018 20:16

Tgt Ion: 117 Resp: 316919
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

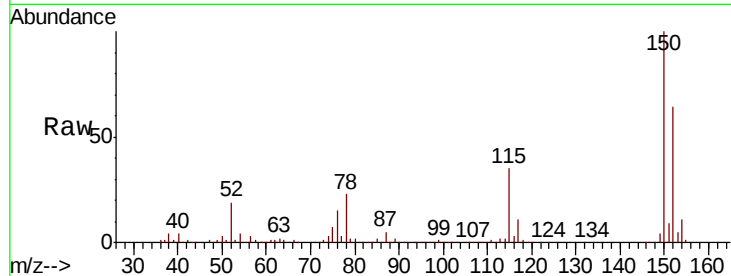
Tot Ion:152 Resp: 155156

Ion Ratio Lower Upper

152 100

115 54.8 39.4 118.1

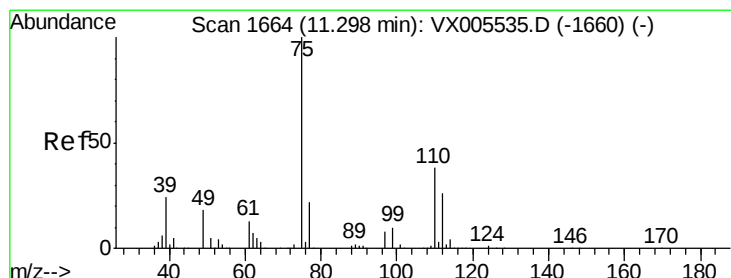
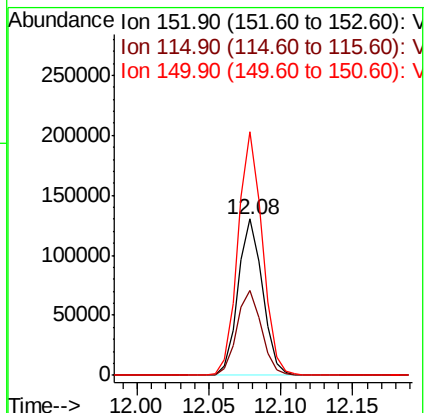
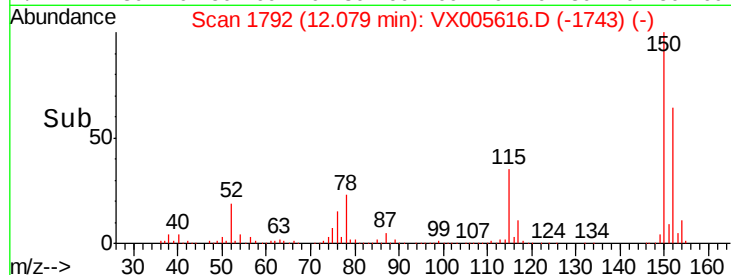
150 154.7 0.0 346.4



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: 21.795 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005616.D

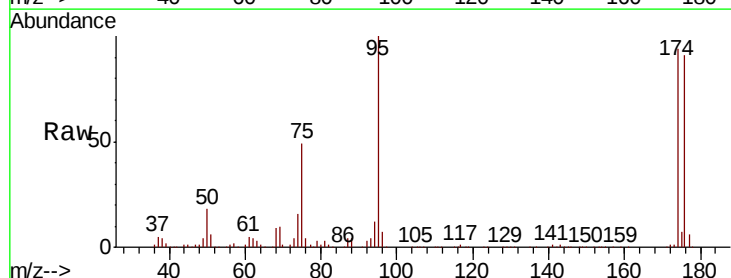
Acq: 26 Oct 2018 20:16

Tgt Ion: 75 Resp: 71648

Ion Ratio Lower Upper

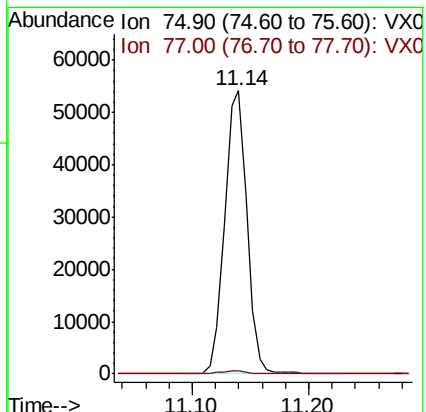
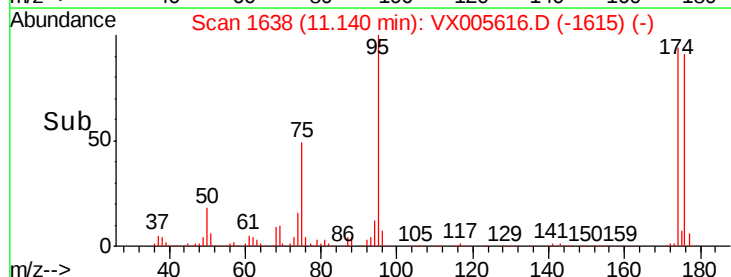
75 100

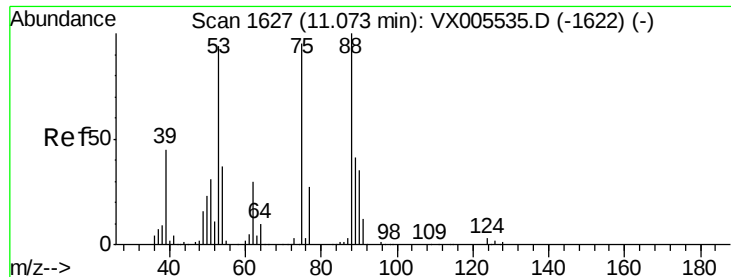
77 1.3 20.5 61.6#



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: 71.215 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005616.D

Acq: 26 Oct 2018 20:16

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

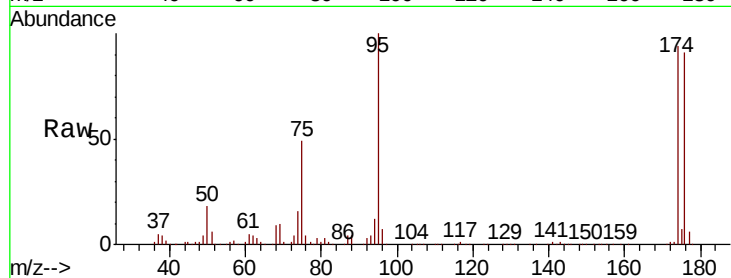
Tot Ion: 75 Resp: 71648

Ion Ratio Lower Upper

75 100

53 0.1 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

