

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX092319\
 Data File : VX012608.D
 Acq On : 23 Sep 2019 16:44
 Operator : JC/SP
 Sample : K5000-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Sep 24 01:52:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302859	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	126763	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
35) Dibromofluoromethane	5.49	113	90753	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	8.71	98	352521	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.14	95	124911	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

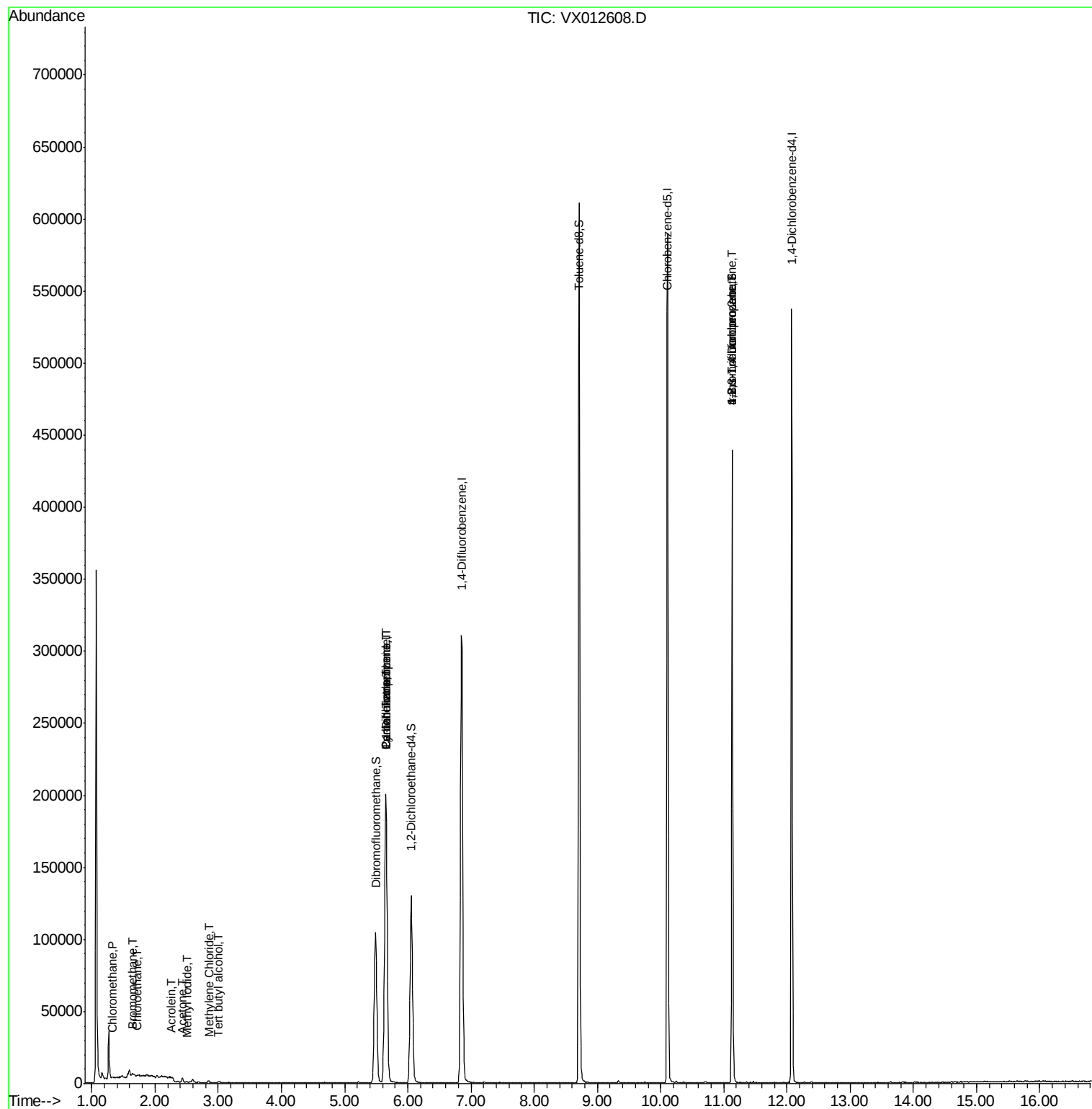
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	497	0.221	ug/l	100
5) Bromomethane	1.64	94	312	0.355	ug/l	96
6) Chloroethane	1.72	64	479	0.318	ug/l #	79
10) Methyl Iodide	2.50	142	286	5.081	ug/l #	86
11) Tert butyl alcohol	3.00	59	484	0.764	ug/l #	72
13) Acrolein	2.26	56	153	10.649	ug/l #	69
16) Acetone	2.44	43	2939	2.188	ug/l	94
20) Methylene Chloride	2.85	84	465	0.205	ug/l #	82
31) Cyclohexane	5.65	56	4469	1.266	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16072	5.506	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19981	6.738	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	63844	23.877	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63844	68.427	ug/l #	8

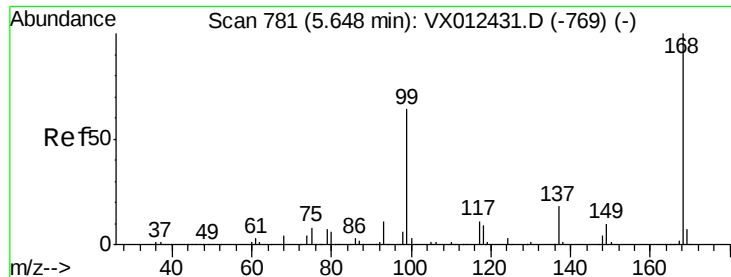
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

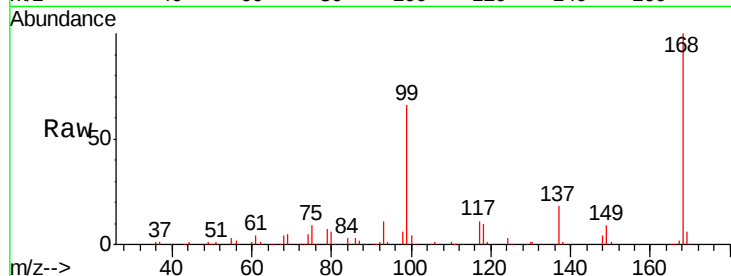
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 168 Resp: 174117

Ion Ratio Lower Upper

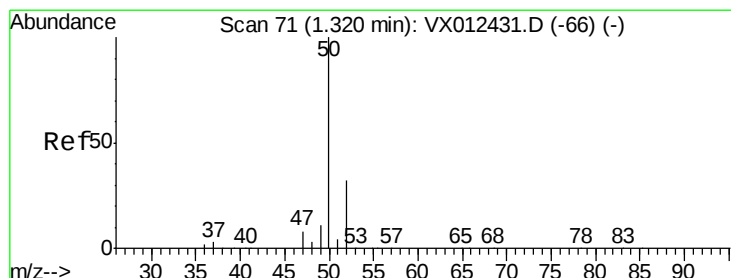
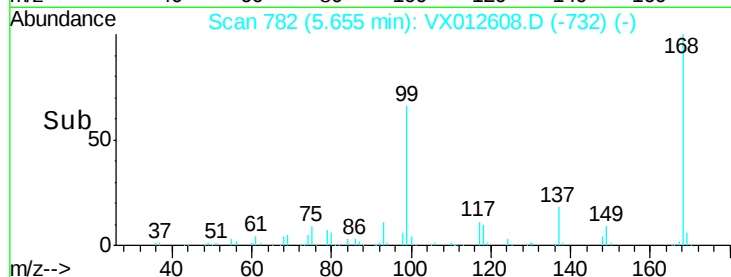
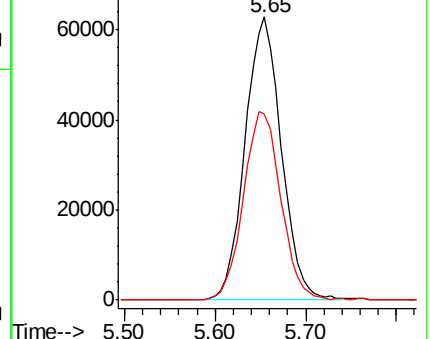
168 100

99 65.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012608.D

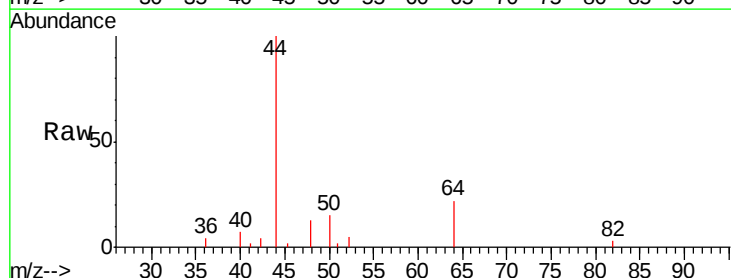
Acq: 23 Sep 2019 16:44

Tgt Ion: 50 Resp: 497

Ion Ratio Lower Upper

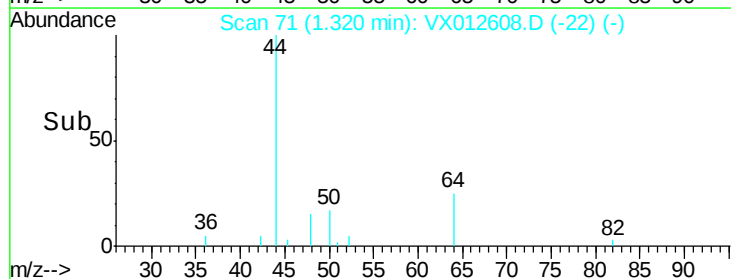
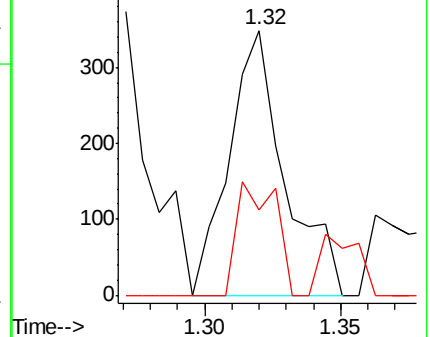
50 100

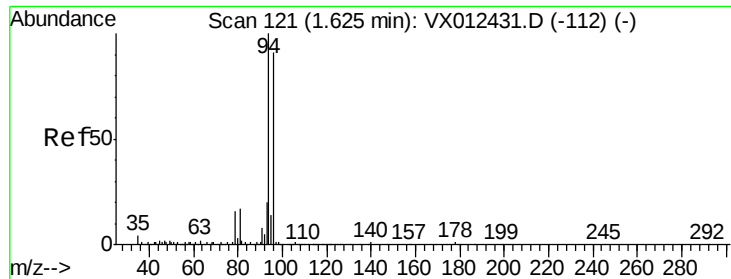
52 32.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

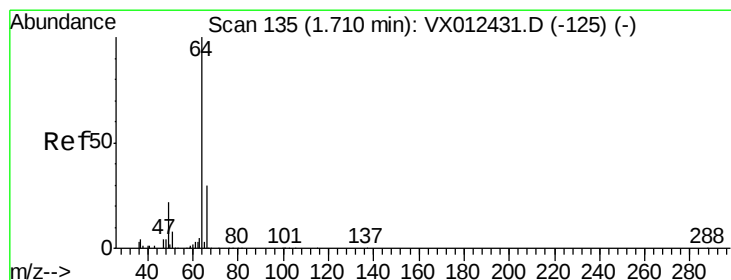
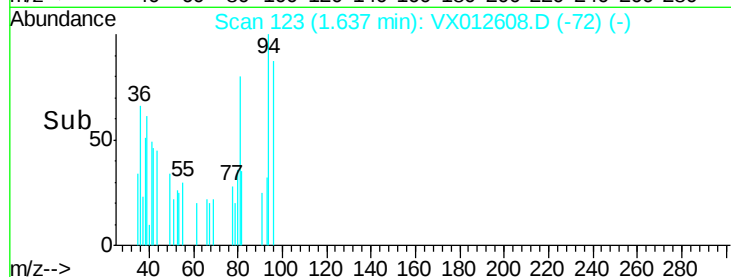
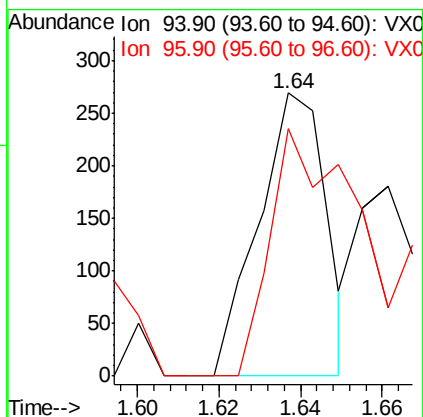
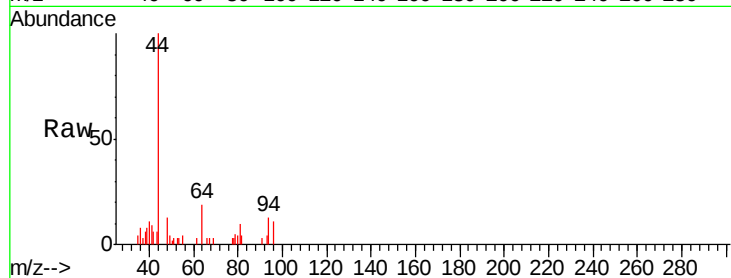
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 94 Resp: 312

Ion Ratio Lower Upper

94 100

96 87.4 72.8 109.2



#6

Chloroethane

Concen: 0.318 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012608.D

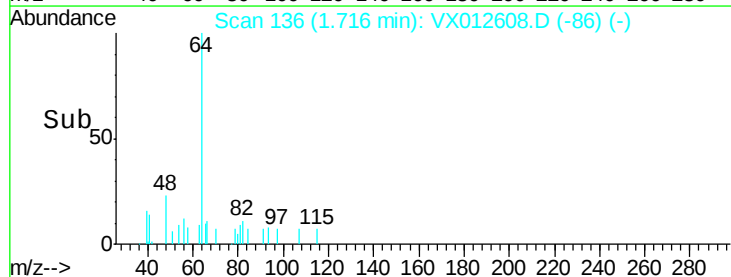
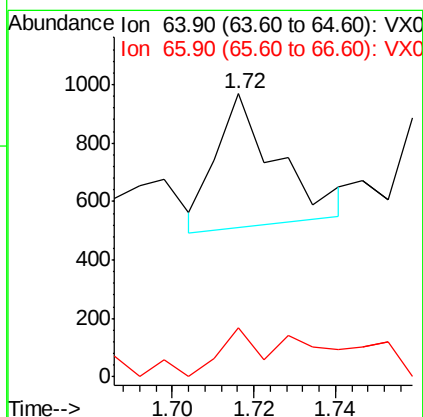
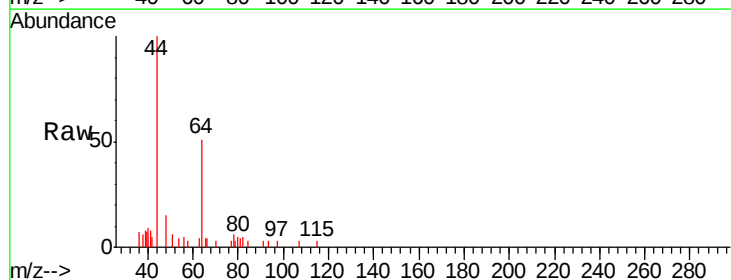
Acq: 23 Sep 2019 16:44

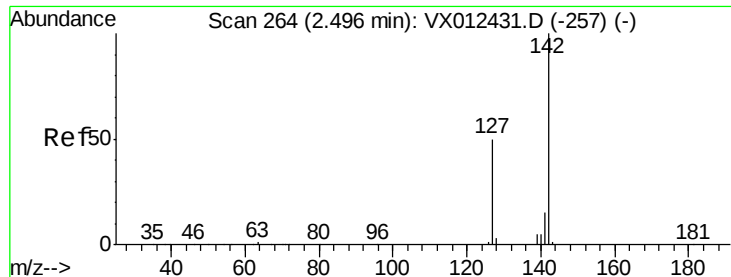
Tgt Ion: 64 Resp: 479

Ion Ratio Lower Upper

64 100

66 41.2 24.0 36.0#

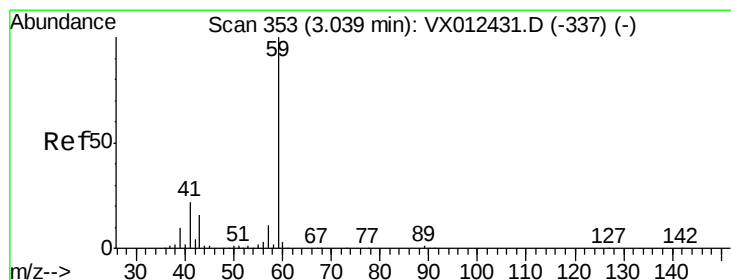
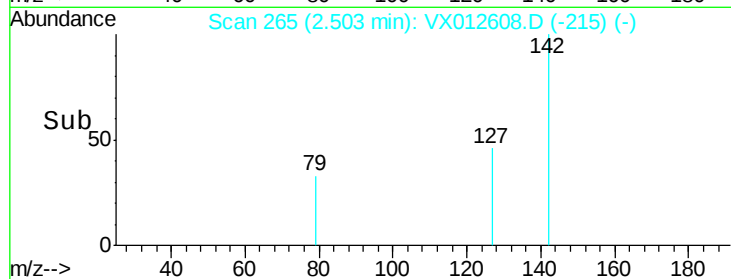
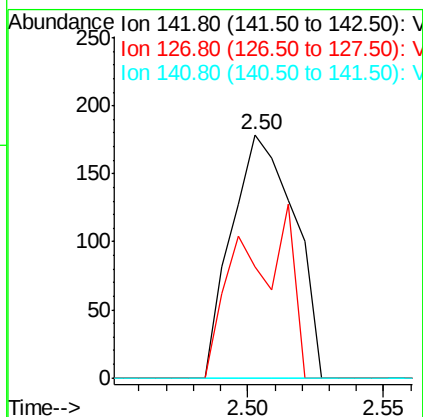
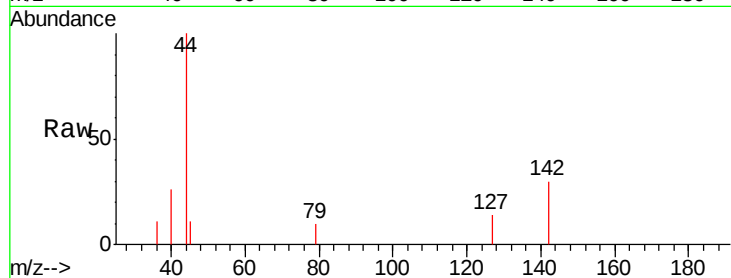




#10
Methyl Iodide
Concen: 5.081 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

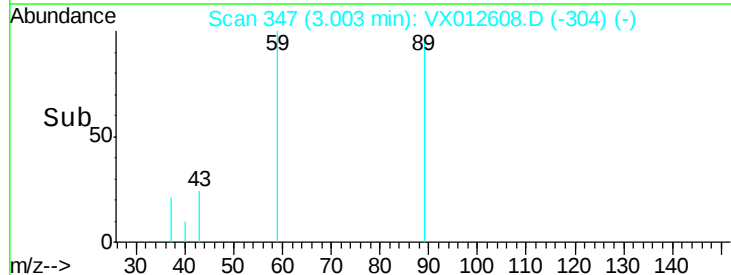
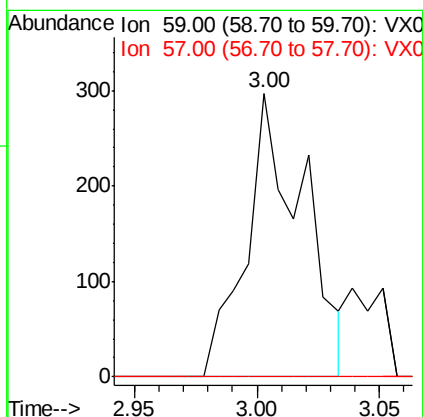
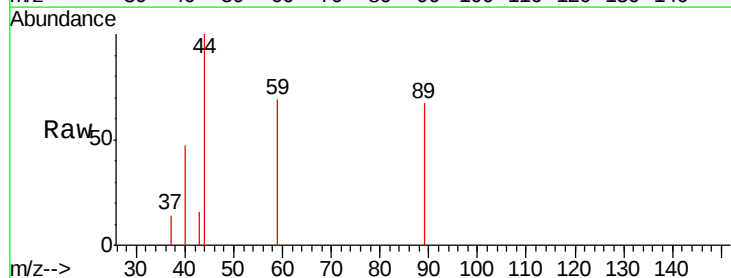
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

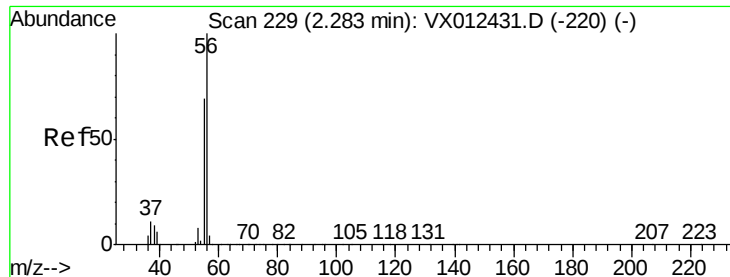
Tgt Ion: 142 Resp: 286
Ion Ratio Lower Upper
142 100
127 56.3 40.8 61.2
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 0.764 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.649 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

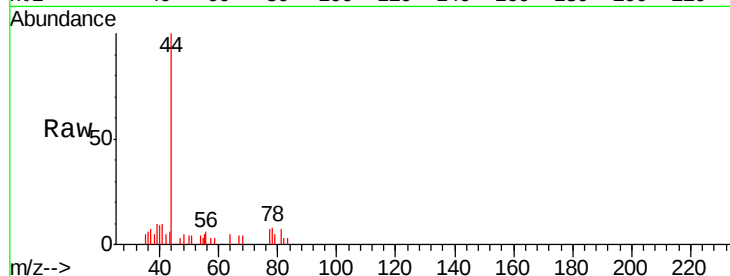
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 56 Resp: 153

Ion Ratio Lower Upper

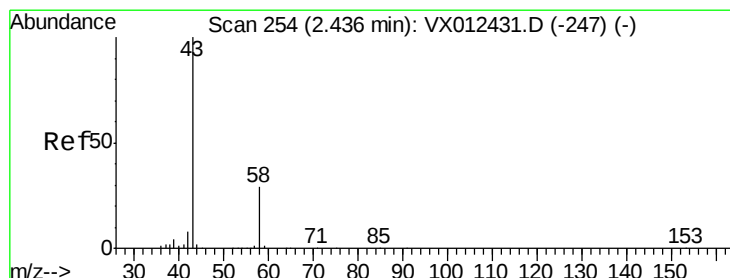
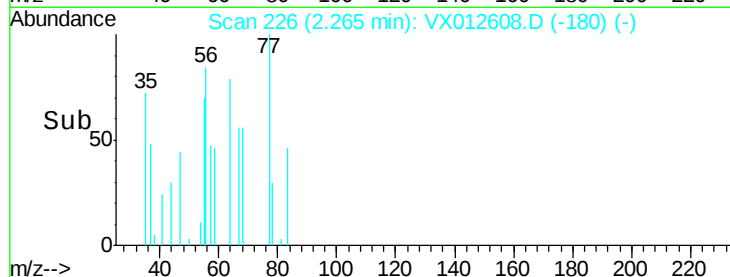
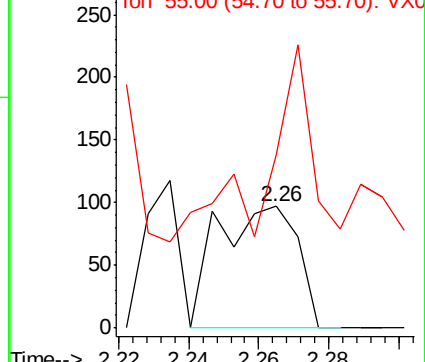
56 100

55 95.4 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.188 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012608.D

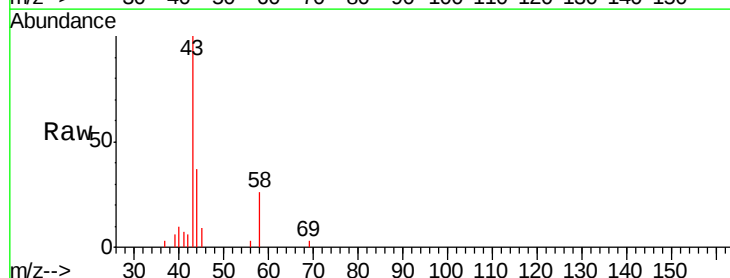
Acq: 23 Sep 2019 16:44

Tgt Ion: 43 Resp: 2939

Ion Ratio Lower Upper

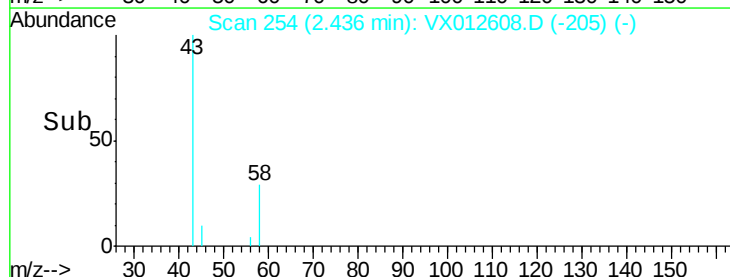
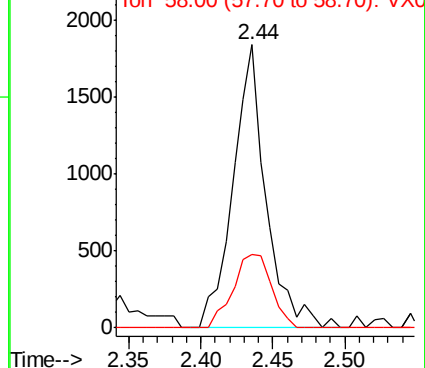
43 100

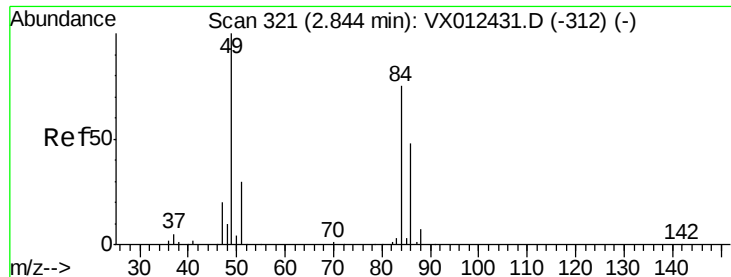
58 26.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

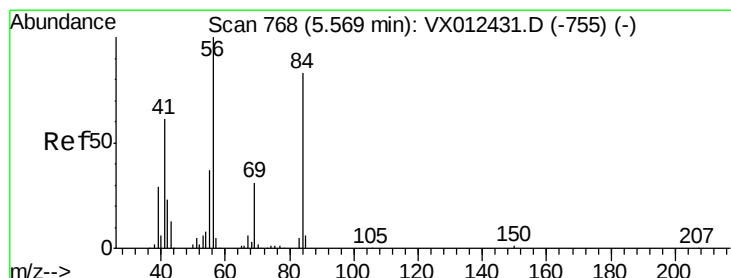
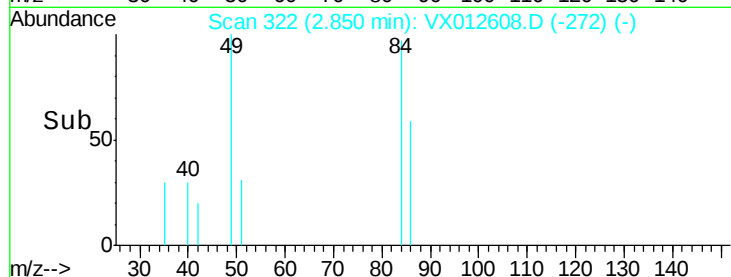
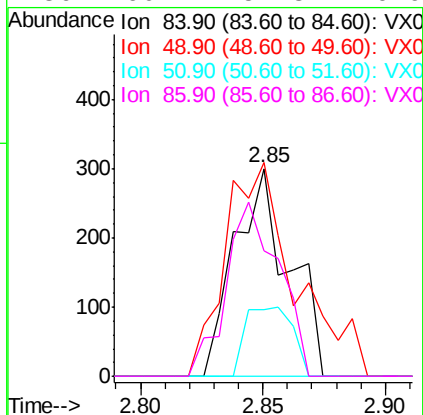
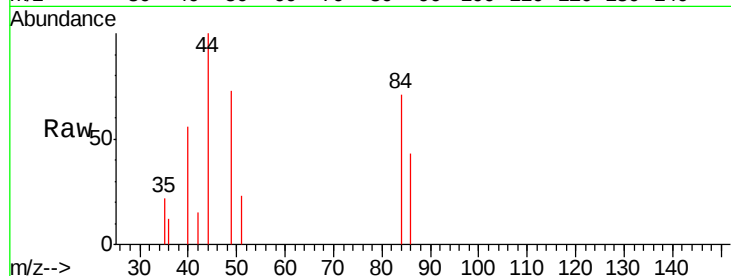




#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

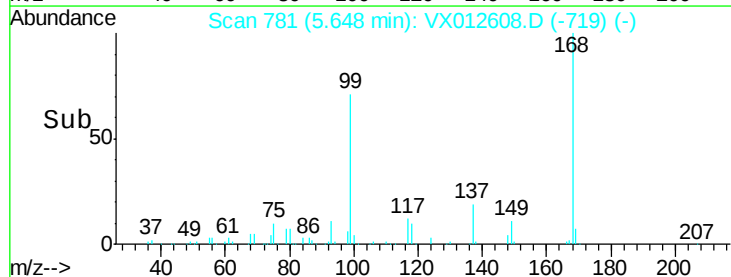
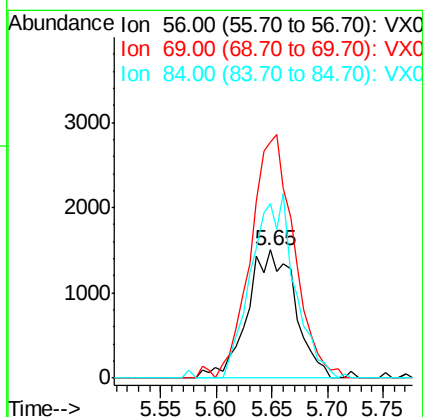
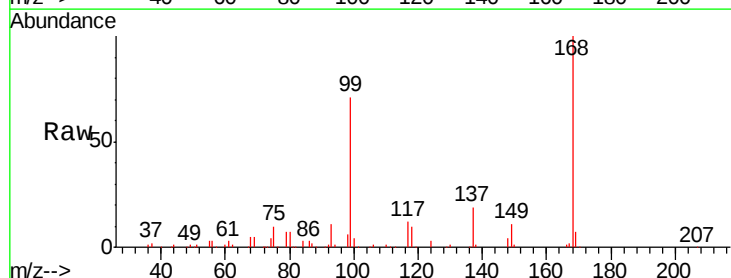
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

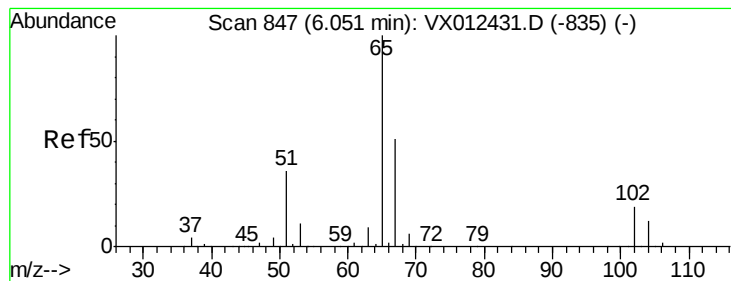
Tgt Ion: 84 Resp: 465
Ion Ratio Lower Upper
84 100
49 103.0 106.8 160.2#
51 32.0 32.3 48.5#
86 60.7 51.3 76.9



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

Tgt Ion: 56 Resp: 4469
Ion Ratio Lower Upper
56 100
69 184.7 25.0 37.6#
84 136.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.996 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

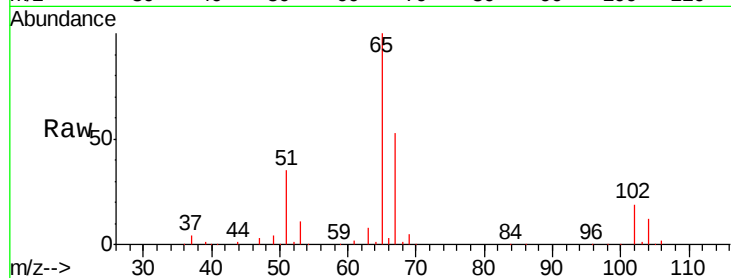
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 126763

Ion Ratio Lower Upper

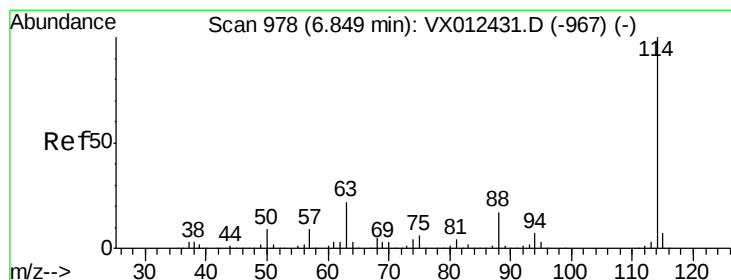
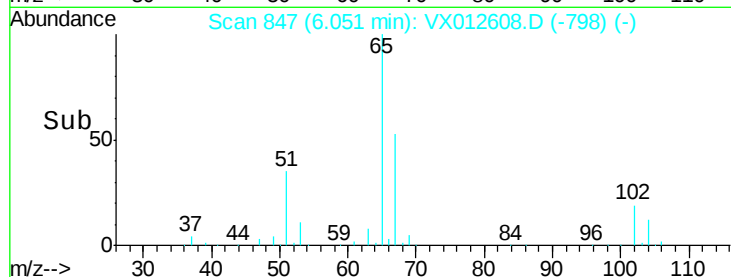
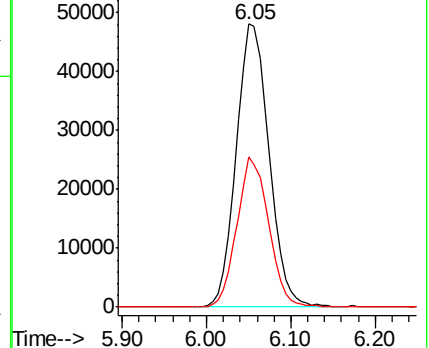
65 100

67 51.3 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

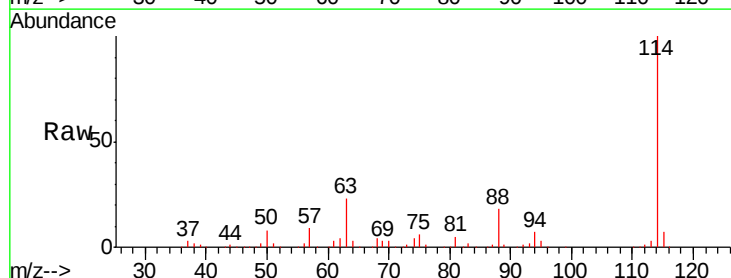
Tgt Ion: 114 Resp: 302859

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.2

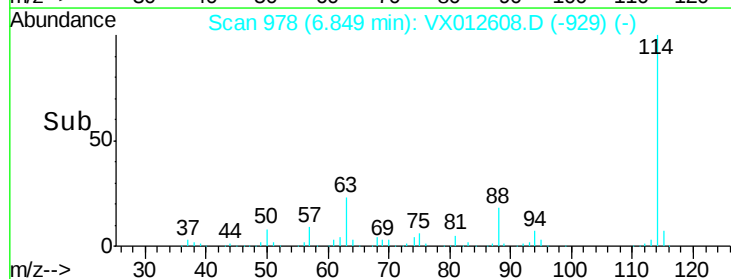
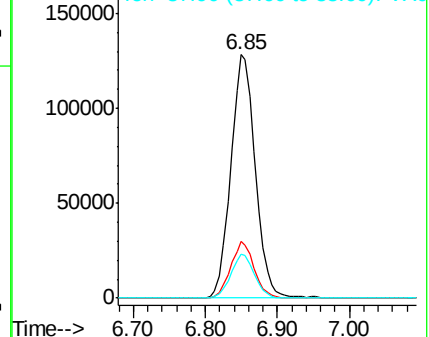
88 17.9 0.0 33.2

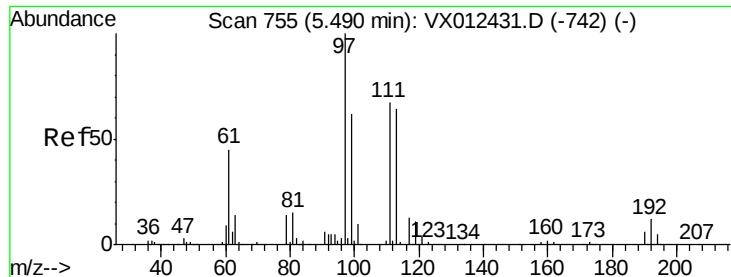


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.316 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

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ClientSampleId :

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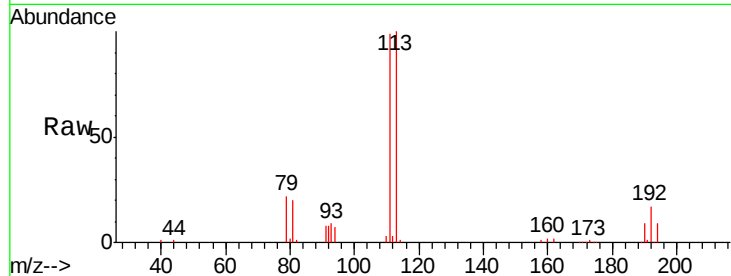
Tgt Ion:113 Resp: 90753

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

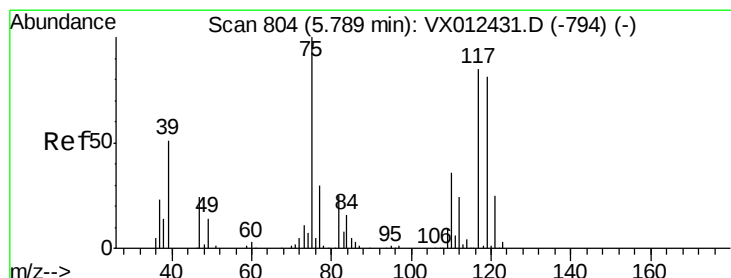
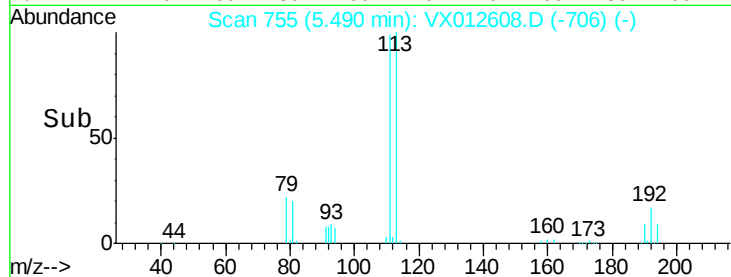
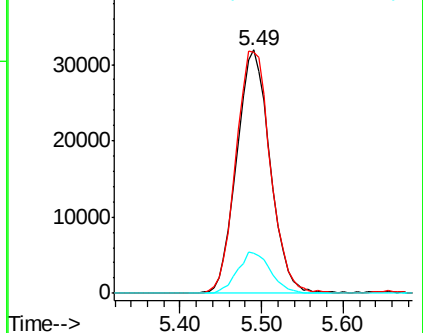
192 16.8 14.4 21.6



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: 5.506 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

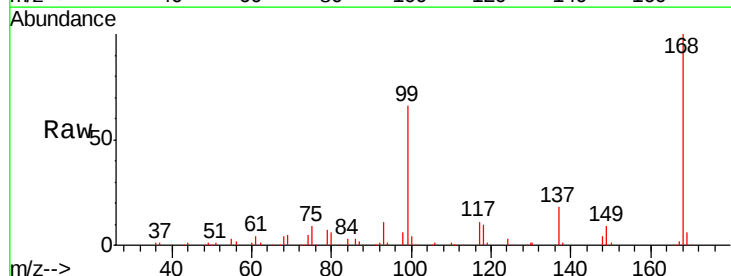
Tgt Ion: 75 Resp: 16072

Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.0#

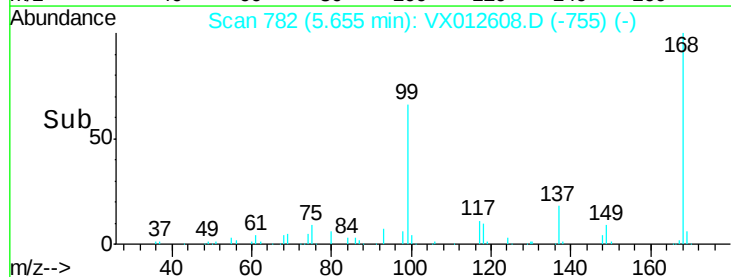
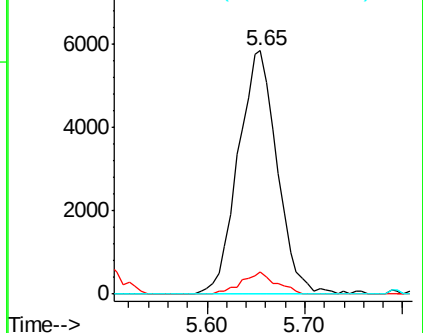
77 0.0 24.2 36.2#

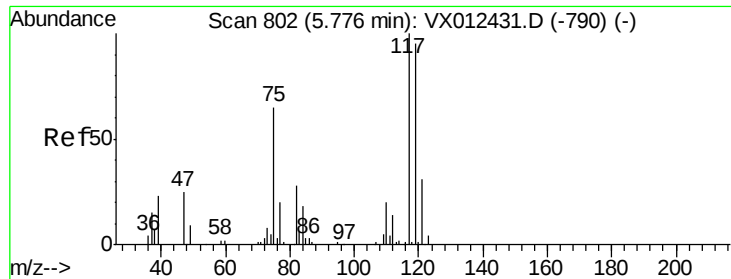


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

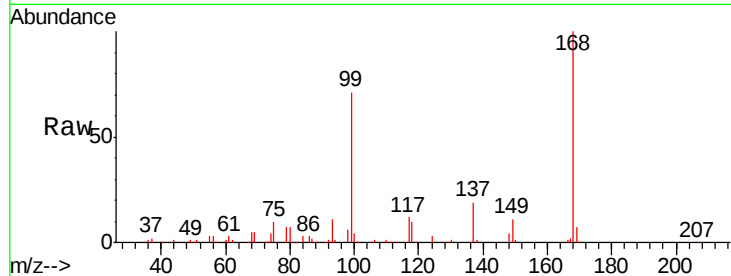




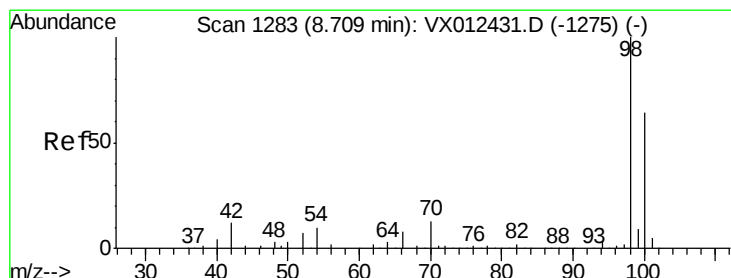
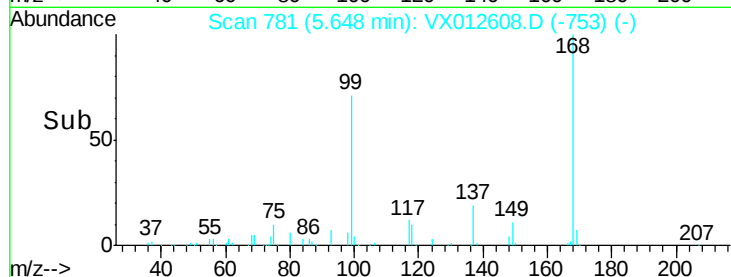
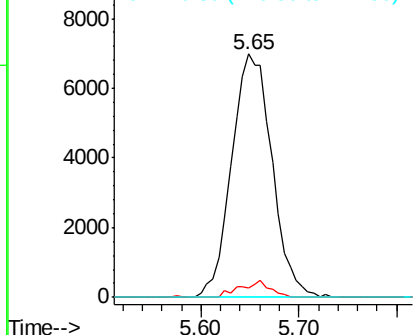
#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

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

Tgt Ion:117 Resp: 19981
Ion Ratio Lower Upper
117 100
119 3.7 75.7 113.5#
121 0.0 24.2 36.4#

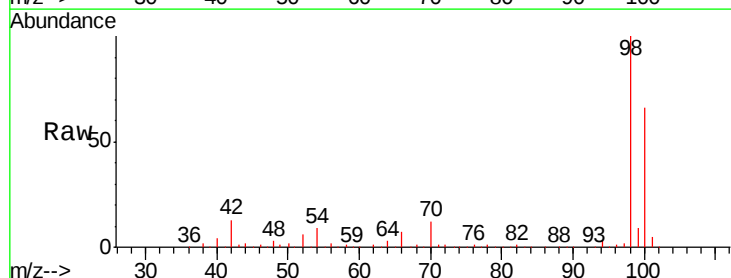


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

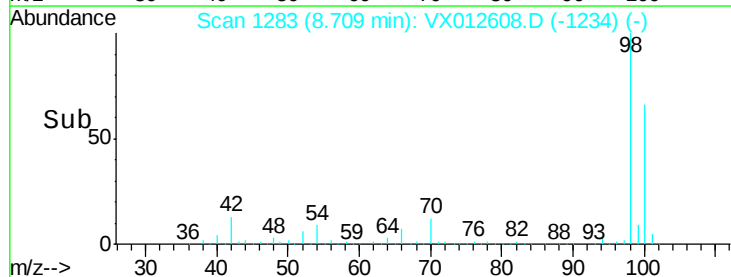
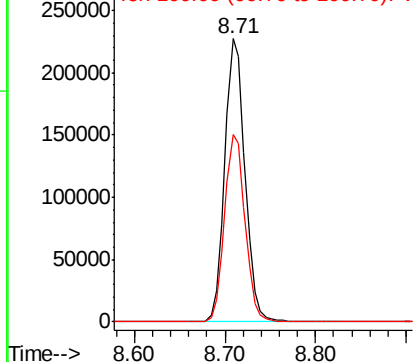


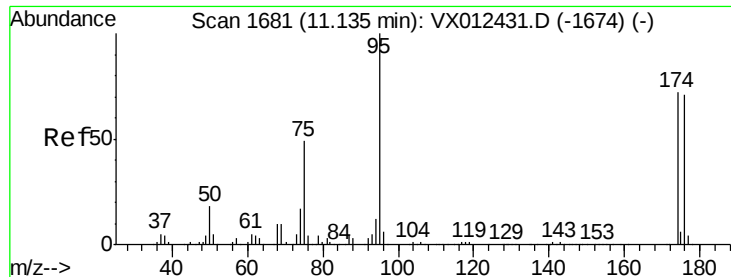
#50
Toluene-d8
Concen: 50.752 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012608.D
Acq: 23 Sep 2019 16:44

Tgt Ion: 98 Resp: 352521
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.735 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

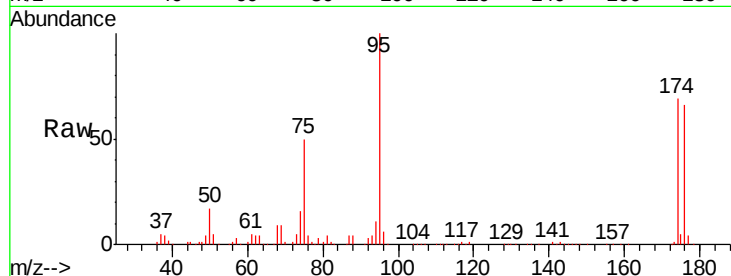
Tgt Ion: 95 Resp: 124911

Ion Ratio Lower Upper

95 100

174 66.6 0.0 140.0

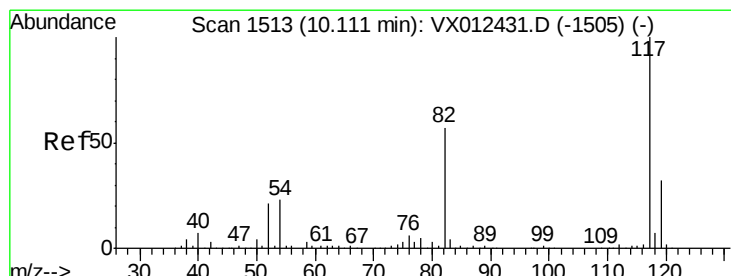
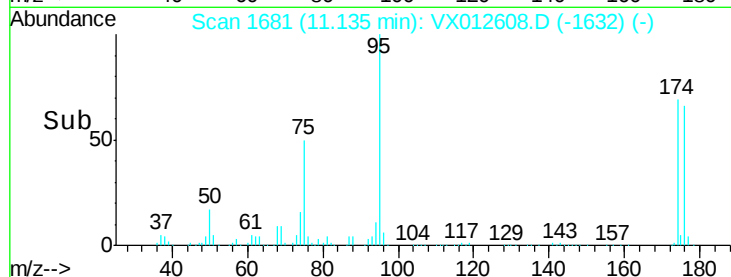
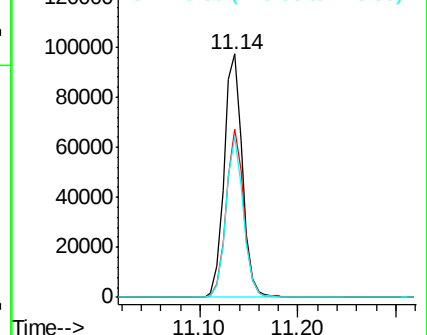
176 63.4 0.0 135.4



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

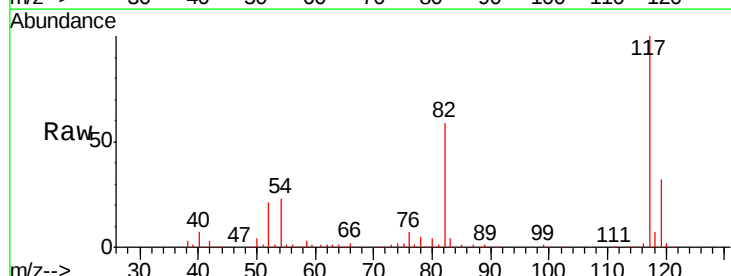
Tgt Ion: 117 Resp: 257634

Ion Ratio Lower Upper

117 100

82 58.9 45.9 68.9

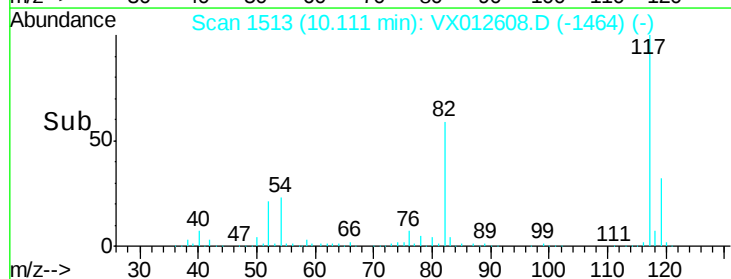
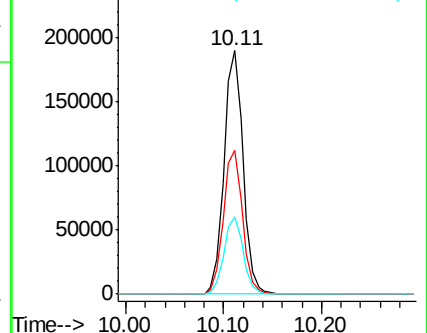
119 31.7 25.3 37.9

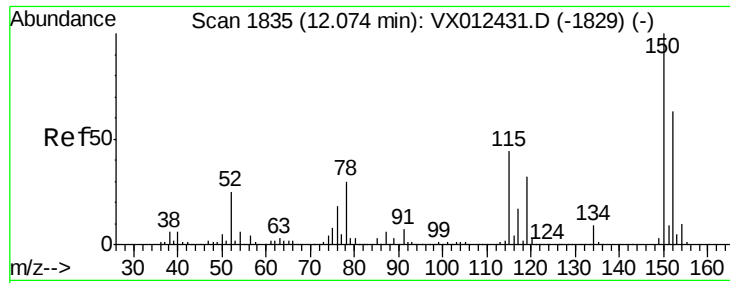


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012608.D

Acq: 23 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

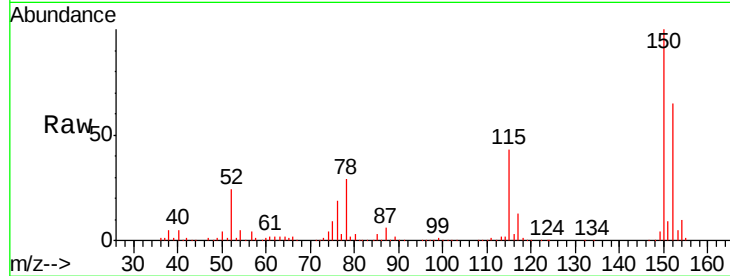
Tgt Ion:152 Resp: 101081

Ion Ratio Lower Upper

152 100

115 64.5 44.1 132.3

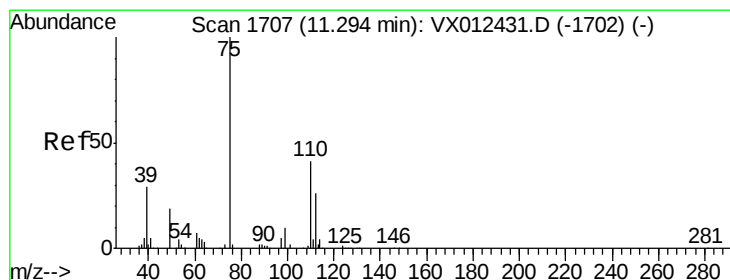
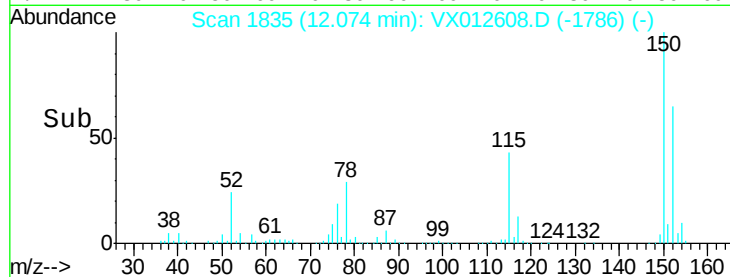
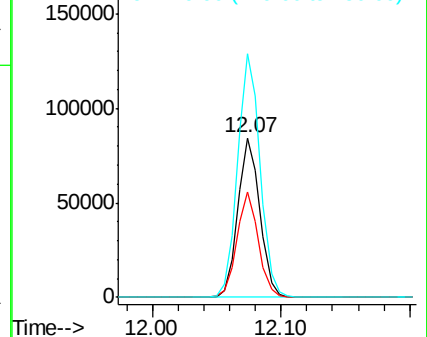
150 155.7 0.0 343.8



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: 23.877 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012608.D

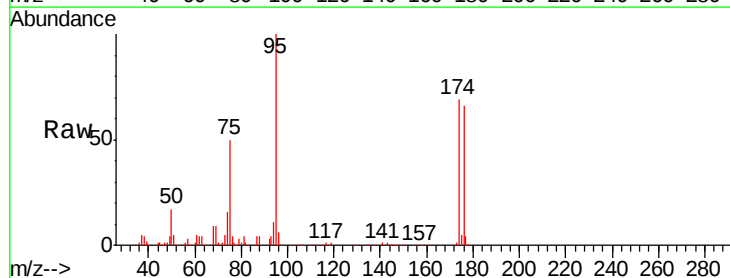
Acq: 23 Sep 2019 16:44

Tgt Ion: 75 Resp: 63844

Ion Ratio Lower Upper

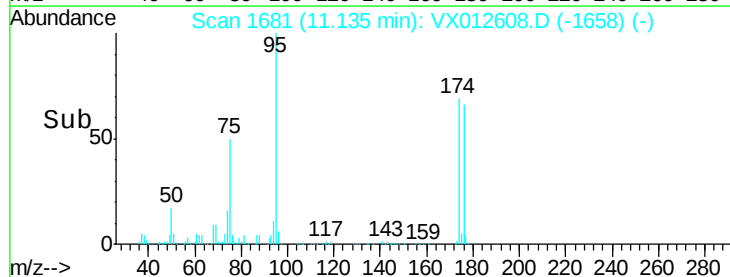
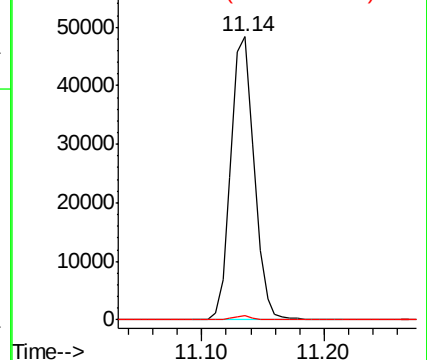
75 100

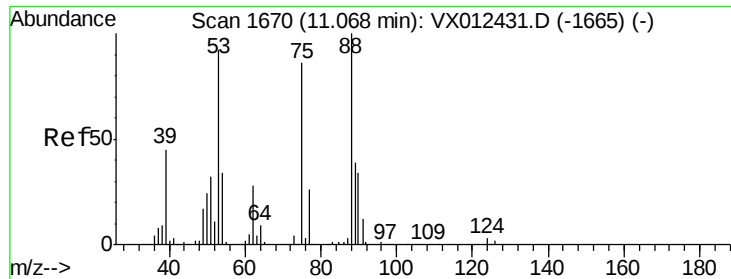
77 1.3 19.7 59.0#



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: 68.427 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012608.D
 Acq: 23 Sep 2019 16:44

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

Tgt Ion: 75 Resp: 63844
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

