

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014306.D
 Acq On : 27 Dec 2019 14:11
 Operator : JC/SP
 Sample : K6457-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 30 05:34:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	524553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	815062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	724204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310848	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	292244	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	241230	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	963397	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.14	95	316602	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

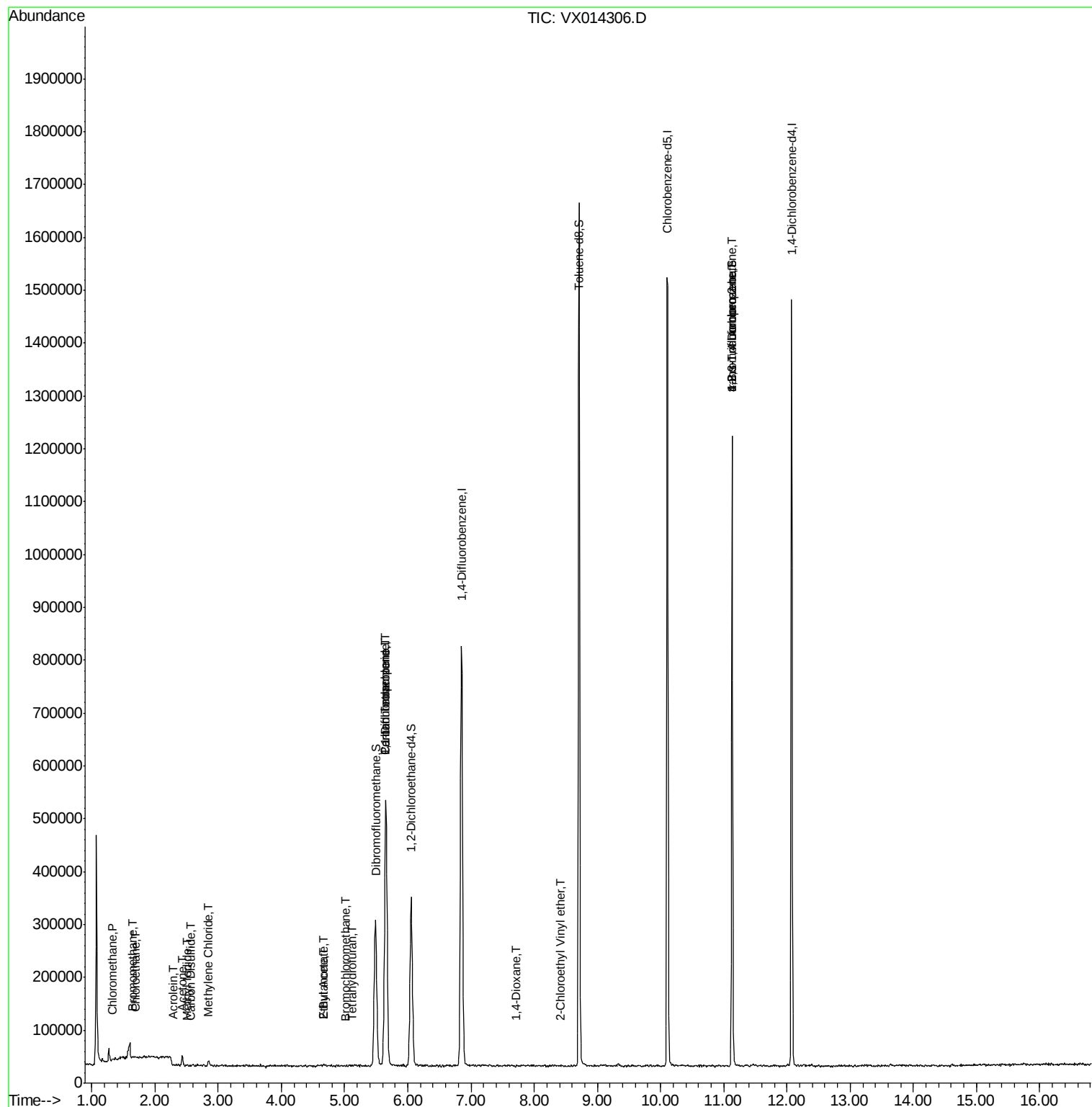
Target Compounds						Qvalue
3) Chloromethane	1.32	50	1475	0.234	ug/l #	80
5) Bromomethane	1.64	94	2504	0.531	ug/l	81
6) Chloroethane	1.69	64	1179	0.287	ug/l #	45
10) Methyl Iodide	2.51	142	2033	2.915	ug/l #	69
13) Acrolein	2.28	56	189	0.257	ug/l #	34
16) Acetone	2.43	43	19816	5.134	ug/l	100
17) Carbon Disulfide	2.56	76	1303	0.842	ug/l #	1
20) Methylene Chloride	2.84	84	5313	0.874	ug/l #	84
25) 2-Butanone	4.67	43	1689	0.355	ug/l #	75
28) Bromochloromethane	5.01	49	253	0.519	ug/l #	38
29) Tetrahydrofuran	5.12	42	869	0.327	ug/l #	84
36) 1,1-Dichloropropene	5.65	75	36418	4.870	ug/l #	50
37) Ethyl Acetate	4.67	43	1689	0.205	ug/l	99
38) Carbon Tetrachloride	5.65	117	45811	6.724	ug/l #	17
49) 1,4-Dioxane	7.72	88	220	1.615	ug/l #	23
58) 2-Chloroethyl Vinyl ether	8.42	63	935	0.270	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	154095	22.834	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	154095	64.450	ug/l #	12

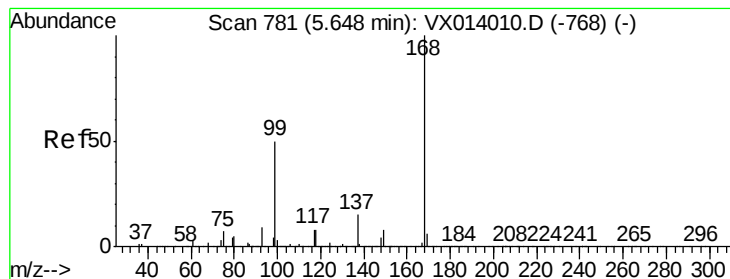
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

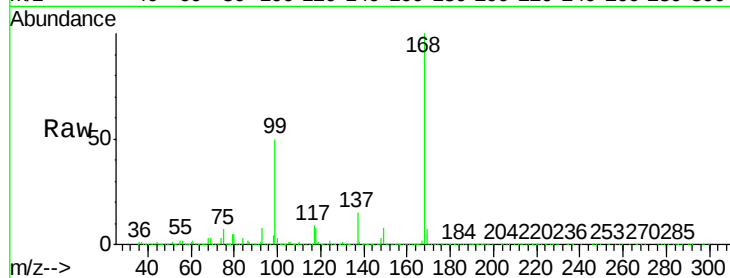
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 524553

Ion Ratio Lower Upper

168 100

99 49.6 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

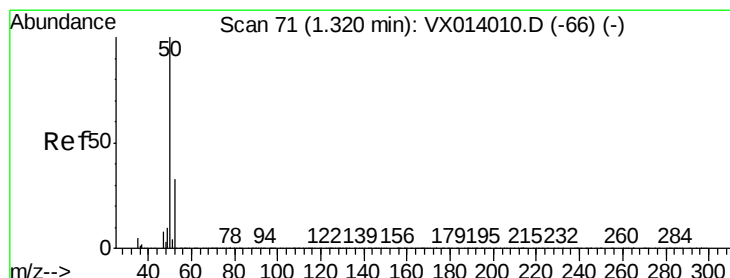
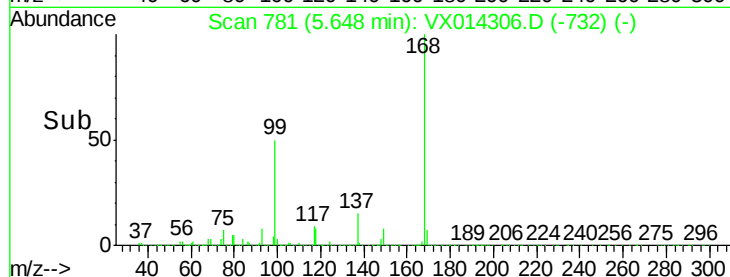
150000

100000

50000

0

Time--> 5.50 5.60 5.70



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014306.D

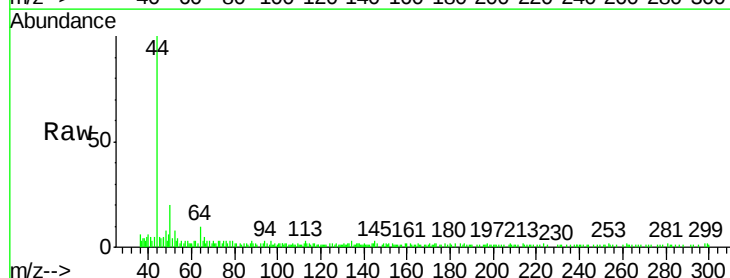
Acq: 27 Dec 2019 14:11

Tgt Ion: 50 Resp: 1475

Ion Ratio Lower Upper

50 100

52 44.3 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

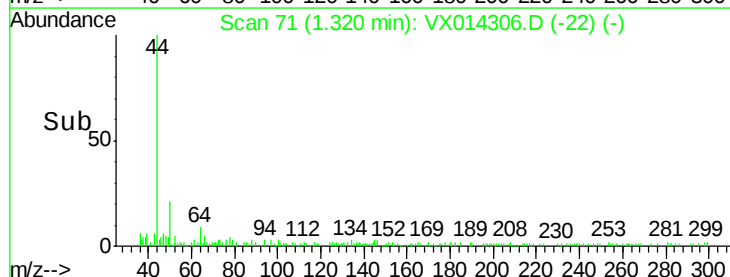
1500

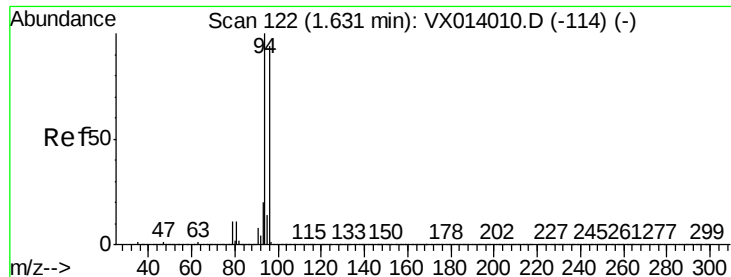
1000

500

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.531 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

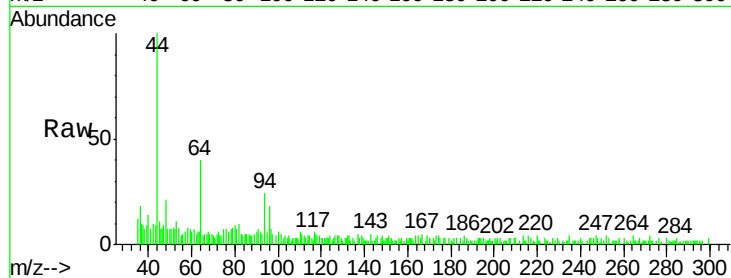
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 94 Resp: 2504

Ion Ratio Lower Upper

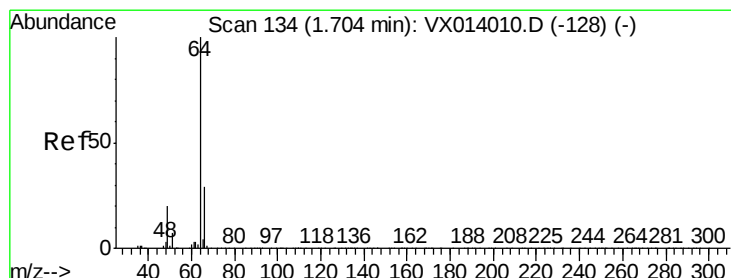
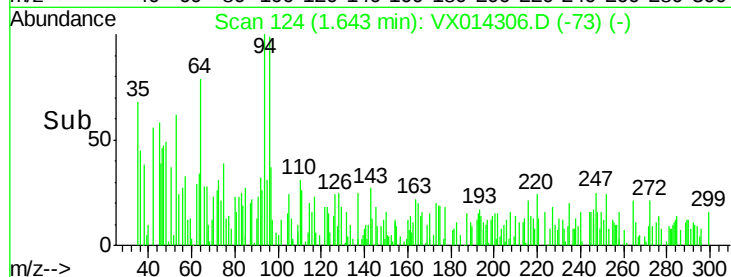
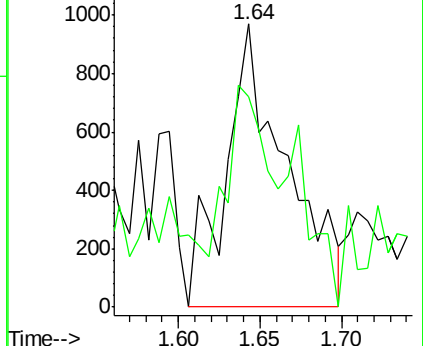
94 100

96 75.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.287 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX014306.D

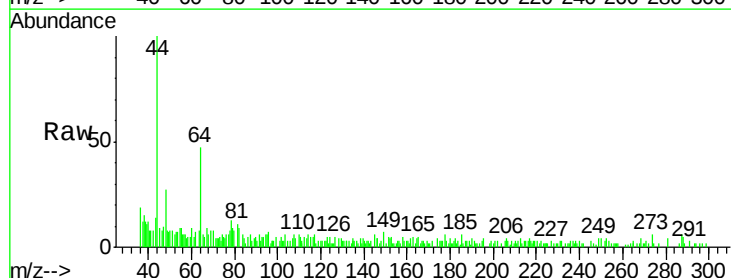
Acq: 27 Dec 2019 14:11

Tgt Ion: 64 Resp: 1179

Ion Ratio Lower Upper

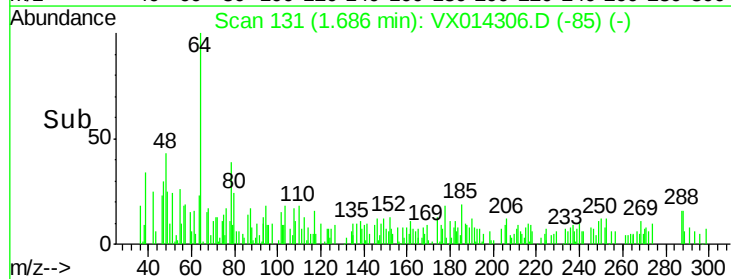
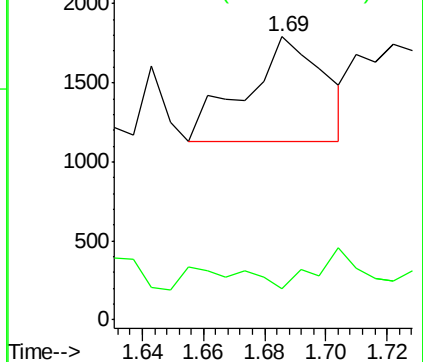
64 100

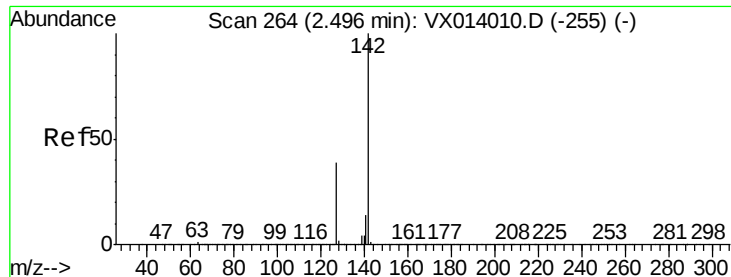
66 0.0 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 2.915 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

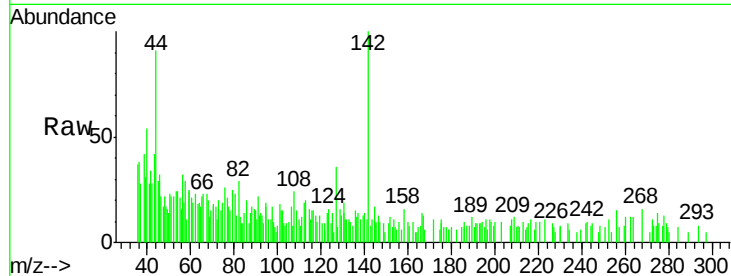
Tgt Ion:142 Resp: 2033

Ion Ratio Lower Upper

142 100

127 63.2 31.6 47.4#

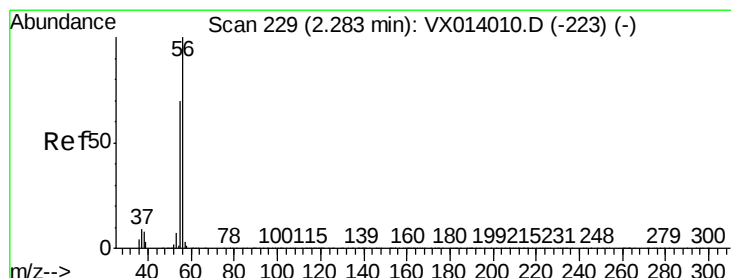
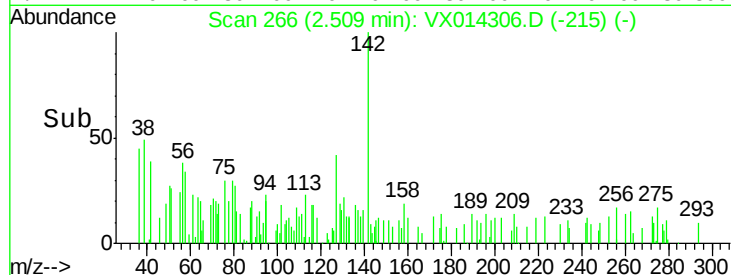
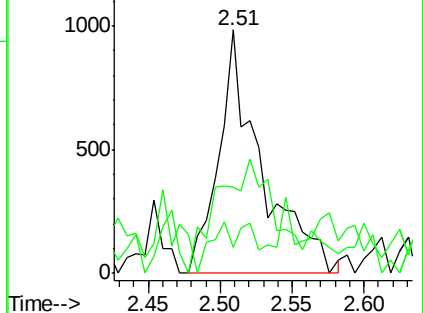
141 10.5 11.6 17.4#



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



#13

Acrolein

Concen: 0.257 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014306.D

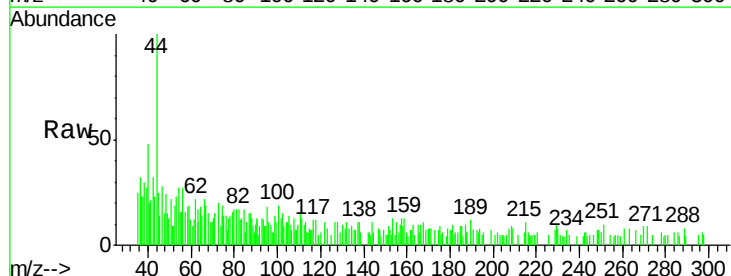
Acq: 27 Dec 2019 14:11

Tgt Ion: 56 Resp: 189

Ion Ratio Lower Upper

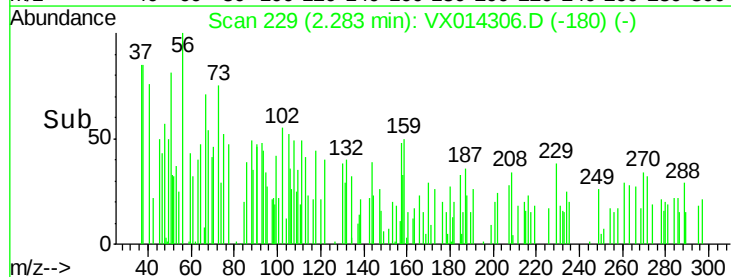
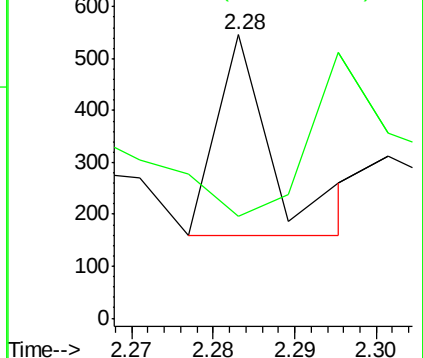
56 100

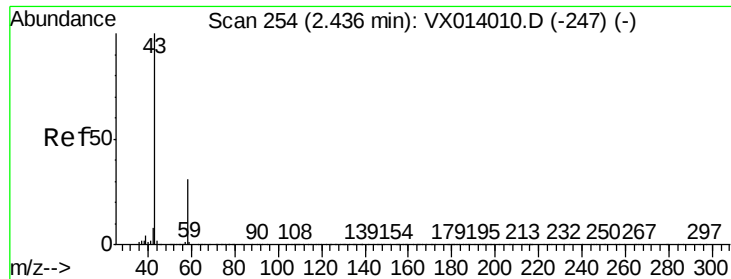
55 125.9 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.134 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

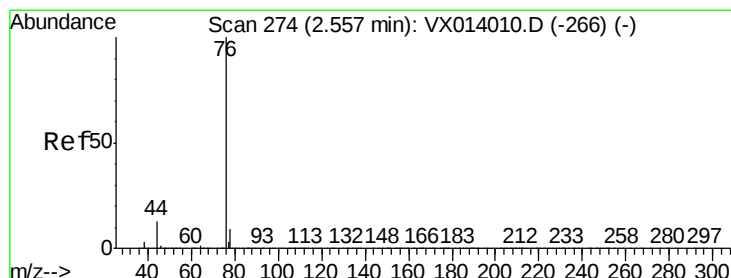
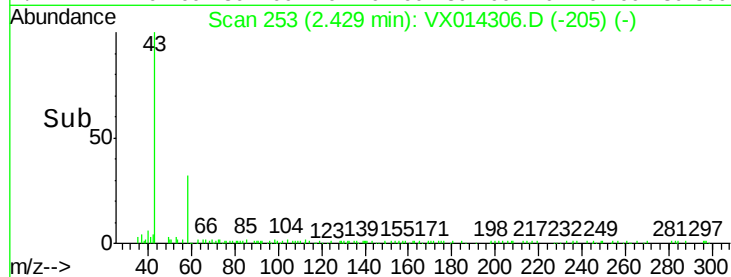
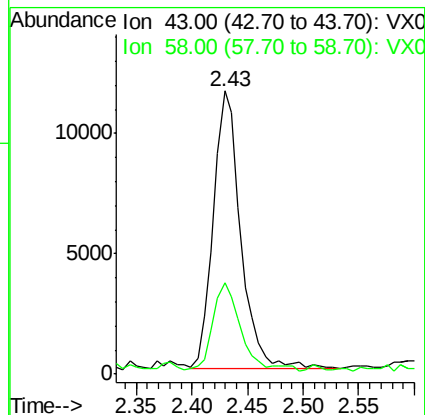
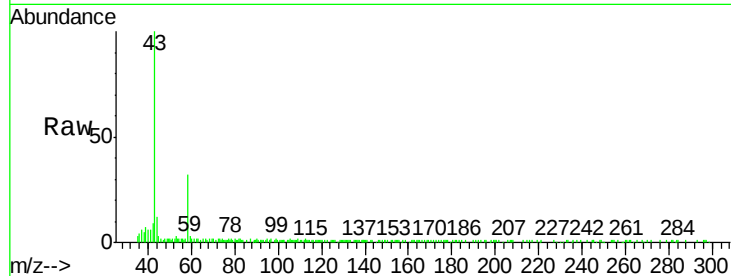
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 19816

Ion Ratio Lower Upper

43 100

58 31.0 24.9 37.3



#17

Carbon Disulfide

Concen: 0.842 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014306.D

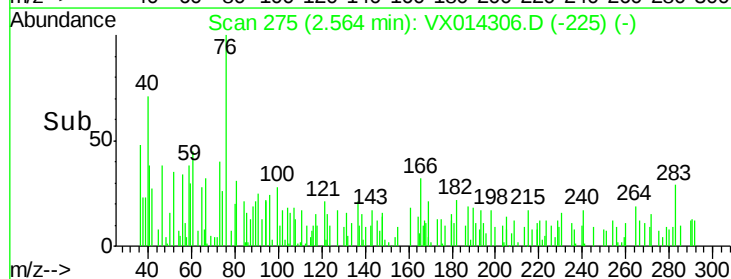
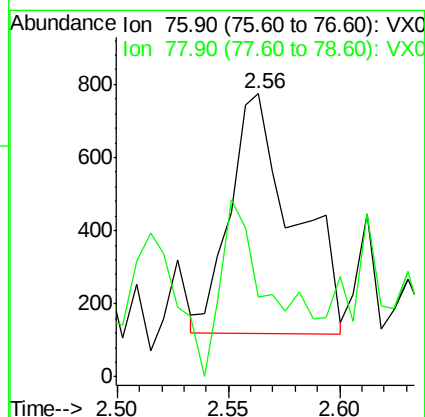
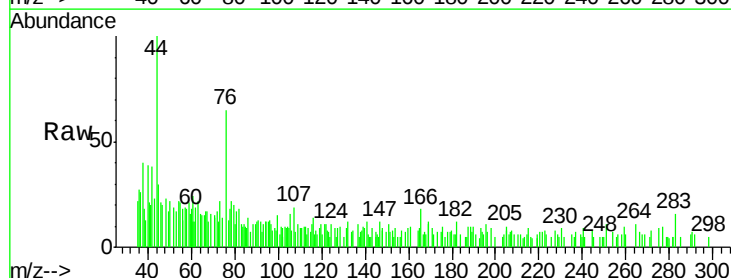
Acq: 27 Dec 2019 14:11

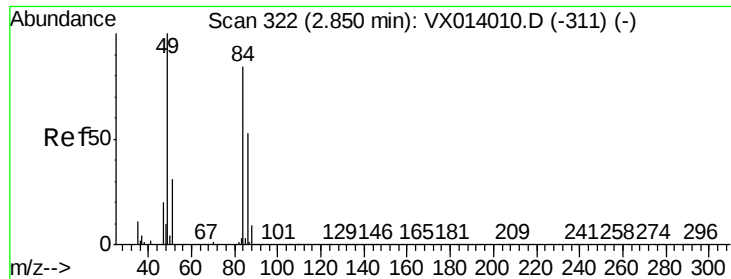
Tgt Ion: 76 Resp: 1303

Ion Ratio Lower Upper

76 100

78 50.7 7.2 10.8#

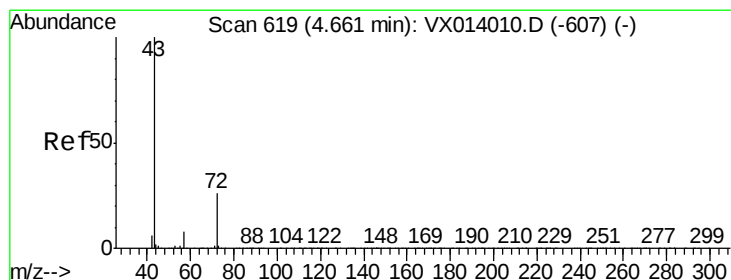
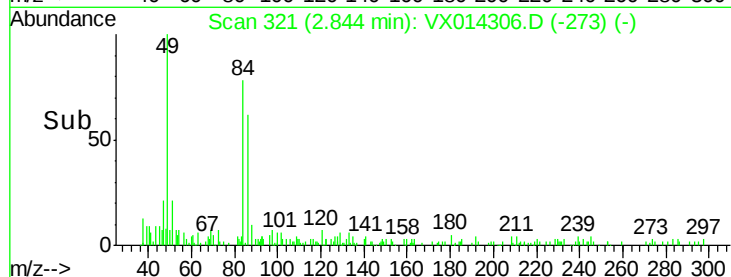
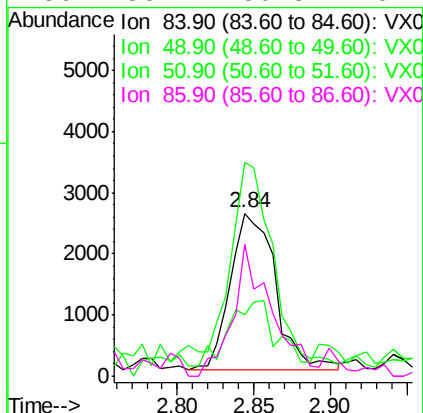
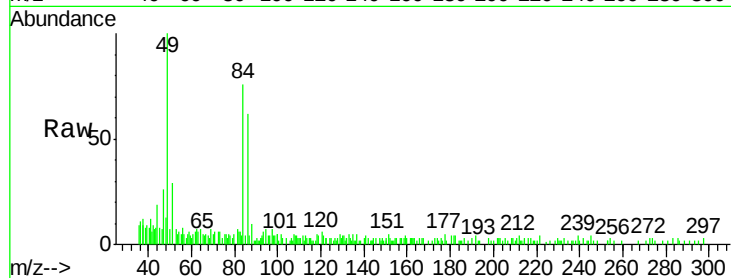




#20
Methylene Chloride
Concen: 0.874 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

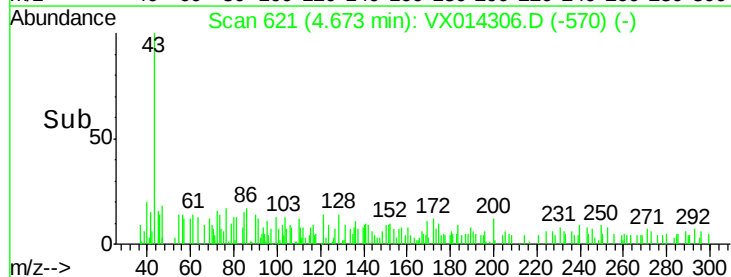
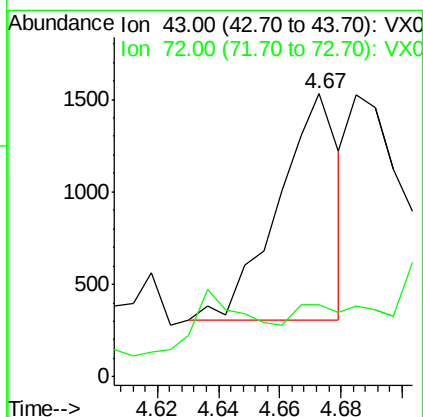
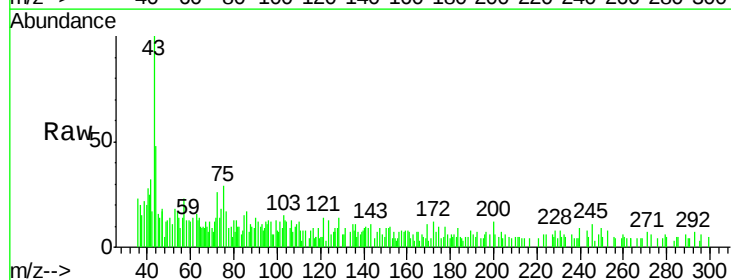
Instrument :
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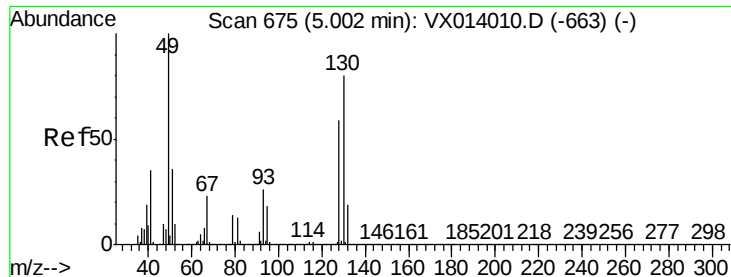
Tgt Ion: 84 Resp: 5313
Ion Ratio Lower Upper
84 100
49 132.5 95.8 143.6
51 34.2 29.8 44.8
86 86.1 50.8 76.2#



#25
2-Butanone
Concen: 0.355 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
72 13.6 21.0 31.4#





#28

Bromochloromethane

Concen: 0.519 ug/l

RT: 5.01 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

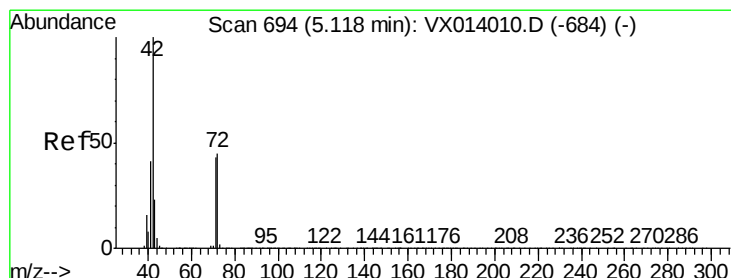
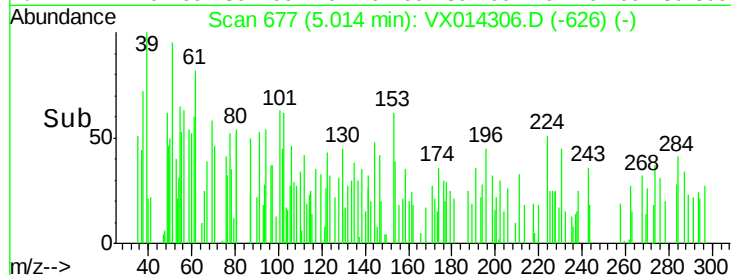
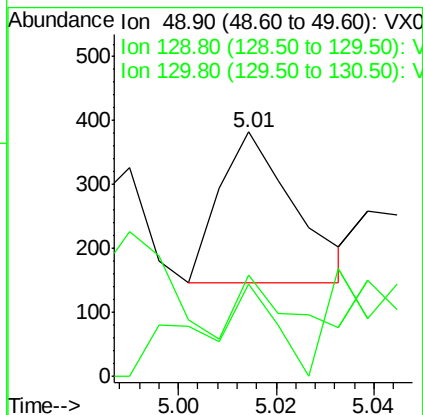
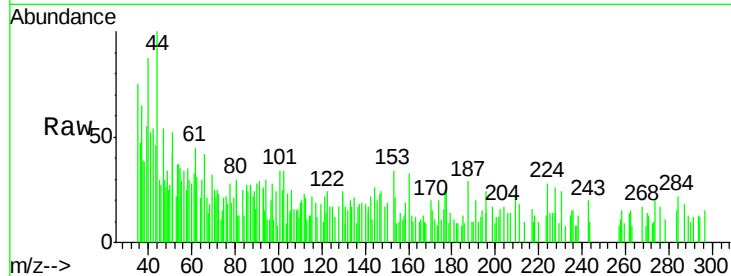
Tgt Ion: 49 Resp: 253

Ion Ratio Lower Upper

49 100

129 62.8 0.0 5.0#

130 28.9 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

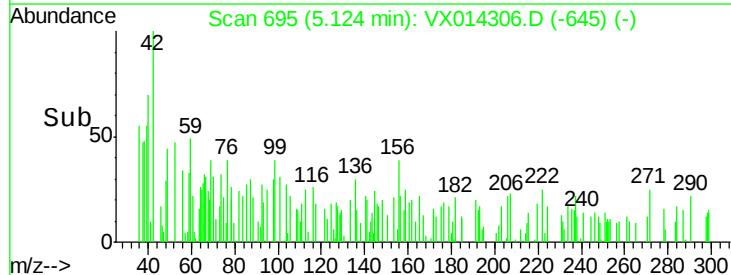
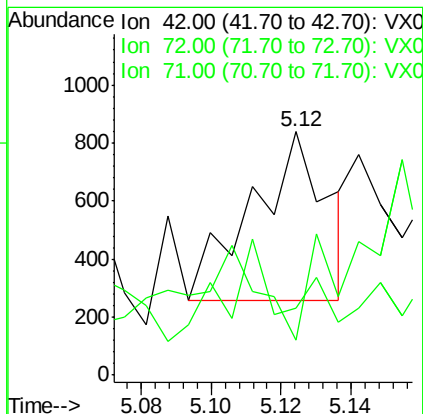
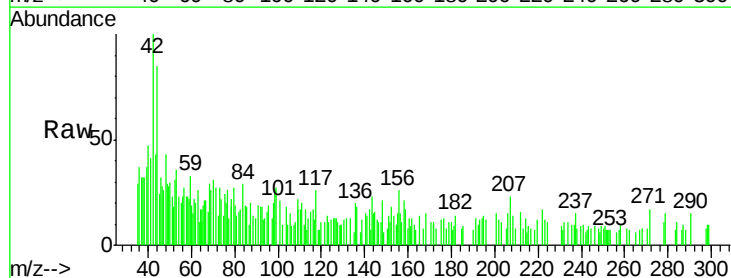
Tgt Ion: 42 Resp: 869

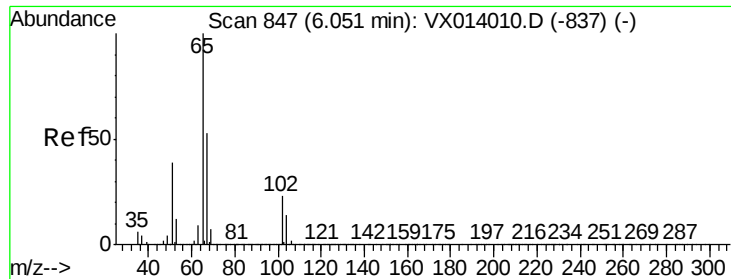
Ion Ratio Lower Upper

42 100

72 60.3 35.8 53.8#

71 37.6 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 49.157 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

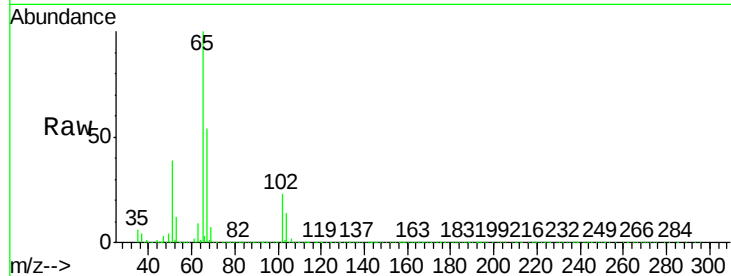
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 292244

Ion Ratio Lower Upper

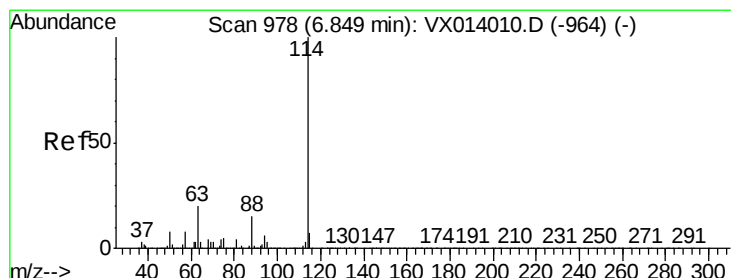
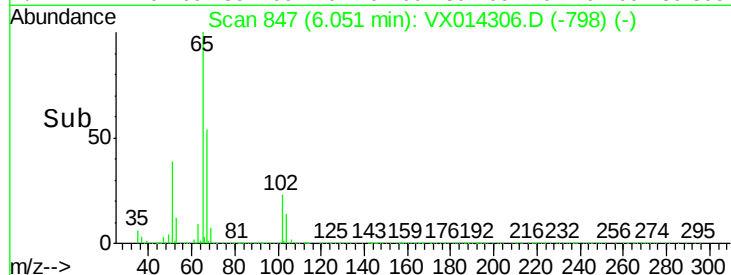
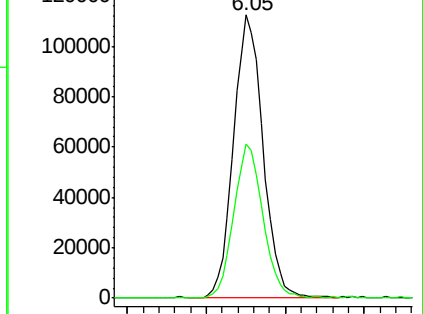
65 100

67 53.5 0.0 106.4



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: VX014306.D

Acq: 27 Dec 2019 14:11

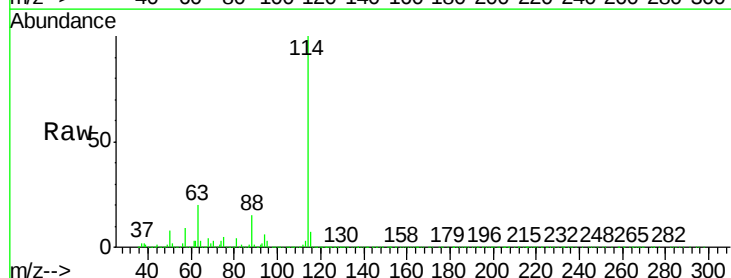
Tgt Ion: 114 Resp: 815062

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

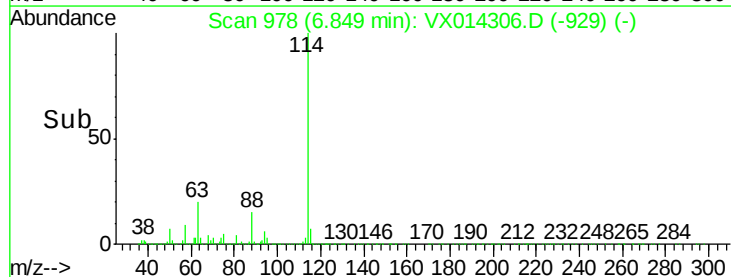
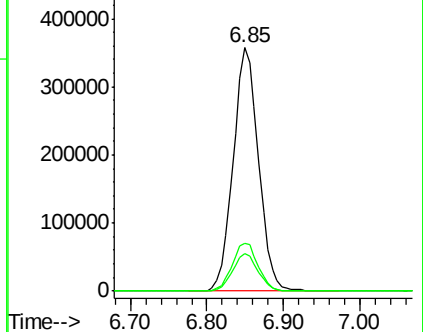
88 15.4 0.0 30.4

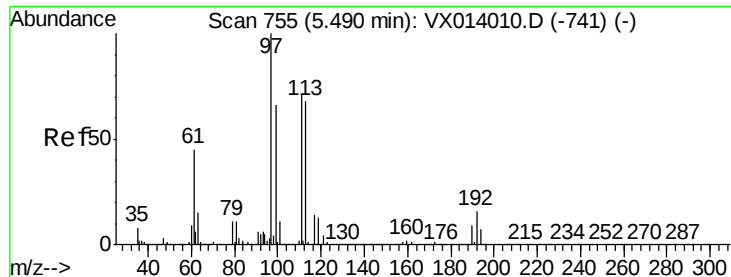


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

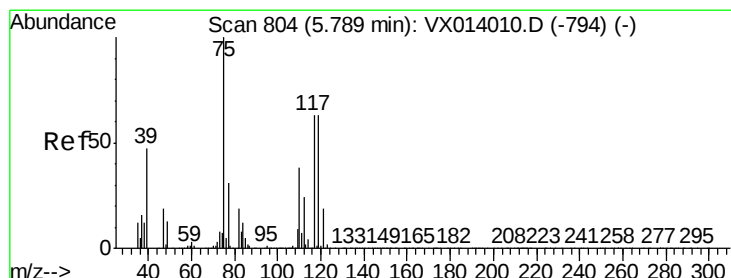
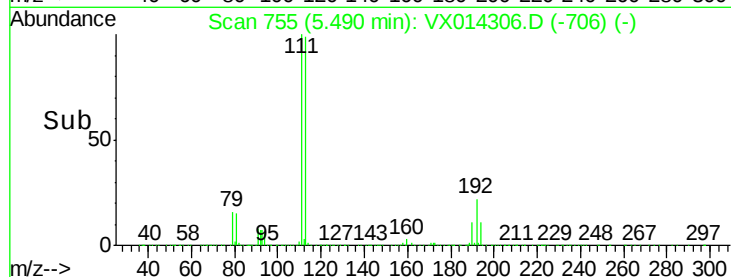
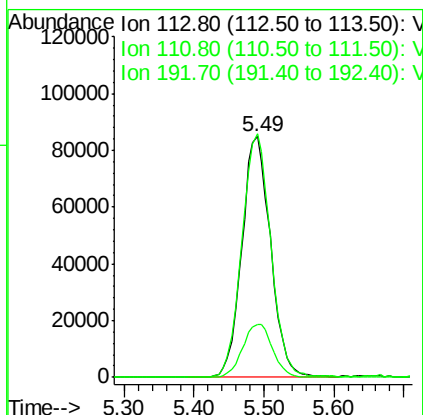
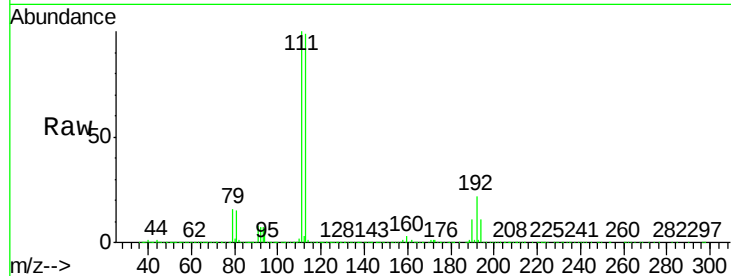




#35
 Dibromofluoromethane
 Concen: 48.687 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014306.D
 Acq: 27 Dec 2019 14:11

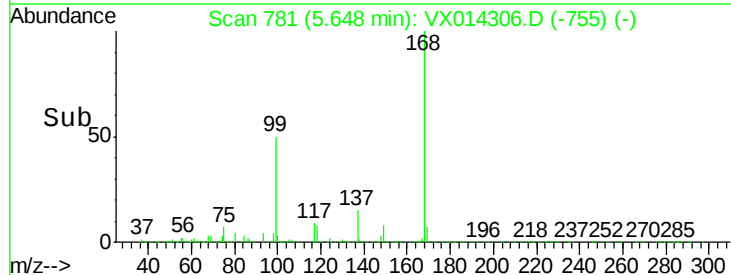
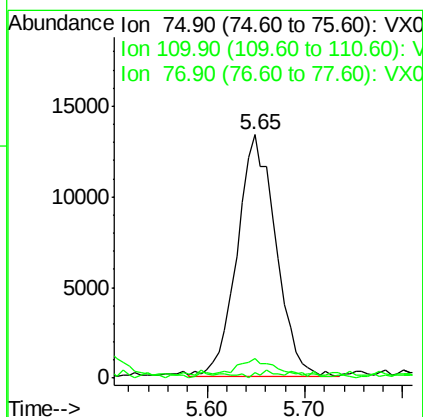
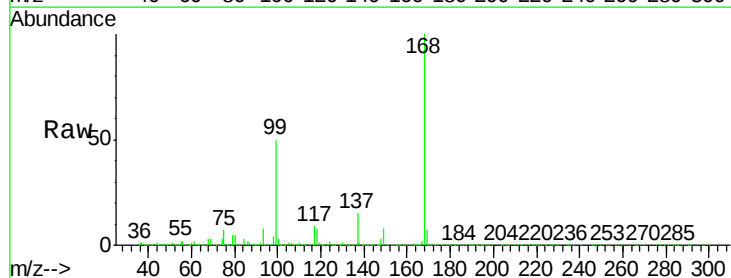
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

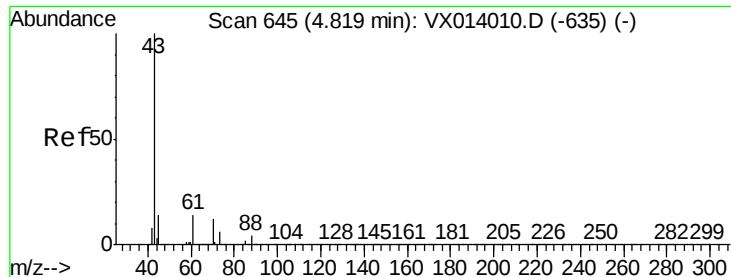
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	23.3	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014306.D
 Acq: 27 Dec 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.3	54.9#
77	1.6	24.8	37.2#

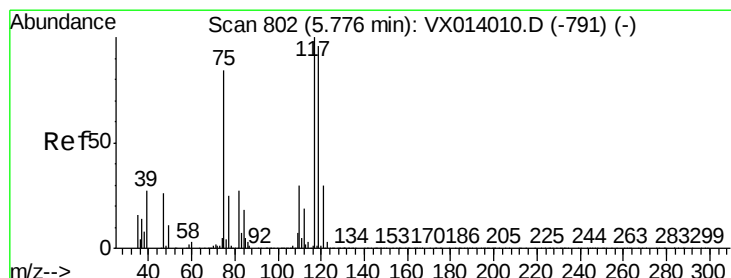
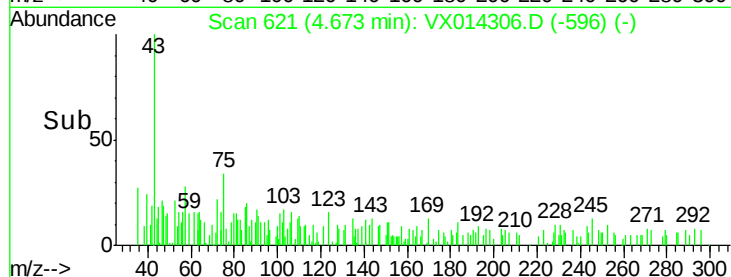
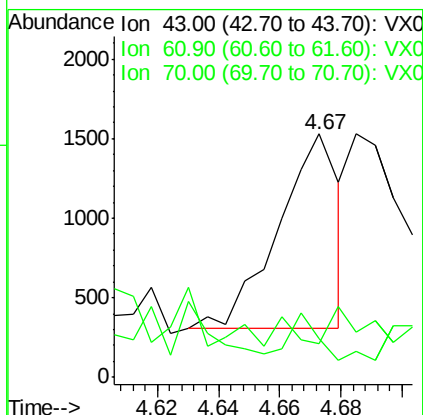
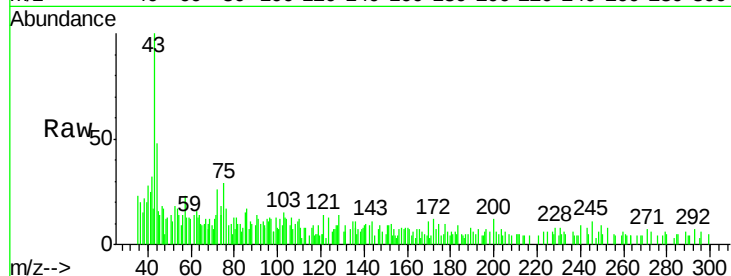




#37
Ethyl Acetate
Concen: 0.205 ug/l
RT: 4.67 min Scan# 621
Delta R.T. -0.15 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

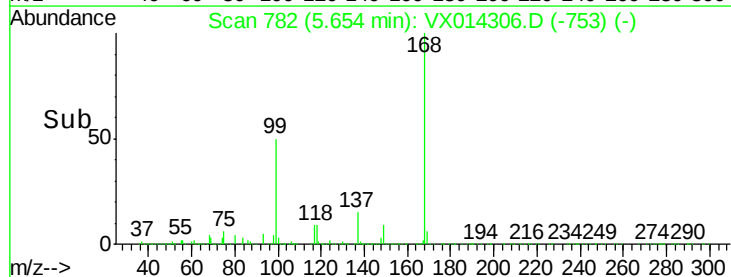
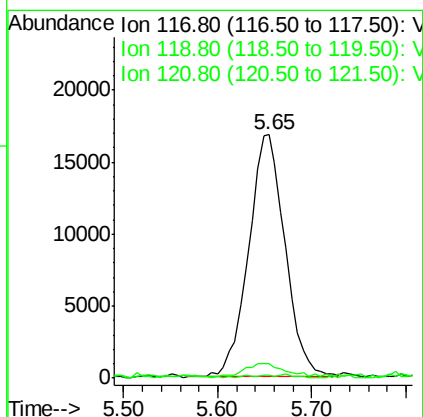
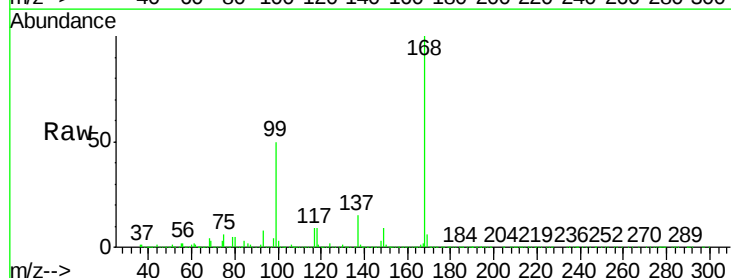
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

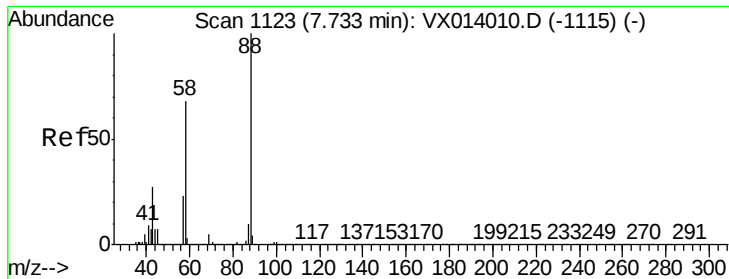
Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
61 13.4 10.8 16.2
70 11.1 8.6 12.8



#38
Carbon Tetrachloride
Concen: 6.724 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

Tgt Ion: 117 Resp: 45811
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.4#
121 0.6 23.6 35.4#

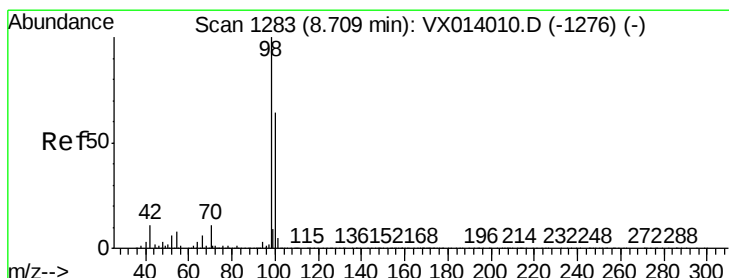
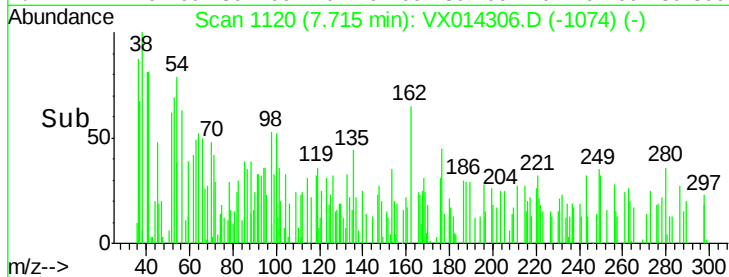
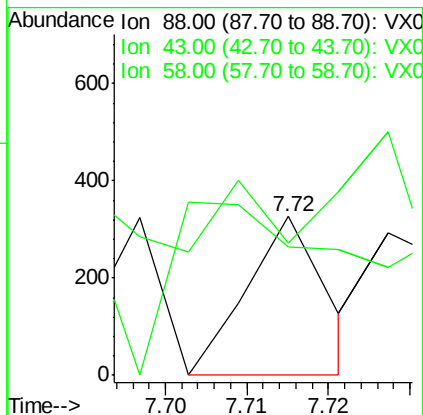
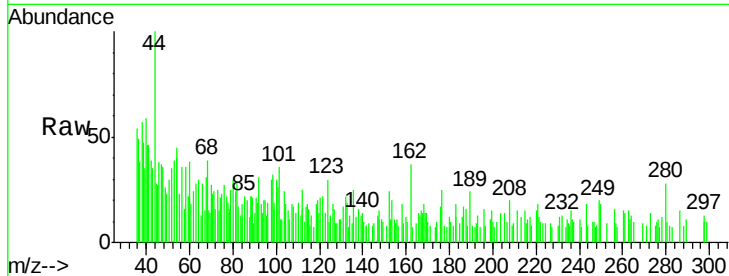




#49
1,4-Dioxane
Concen: 1.615 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

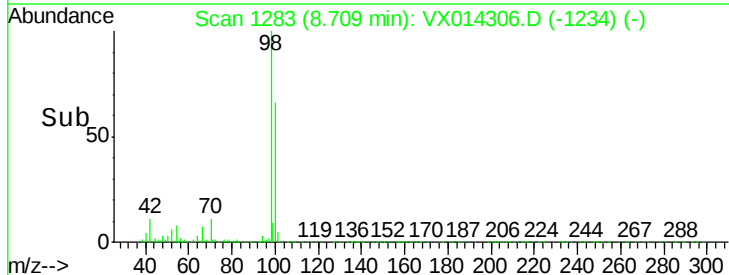
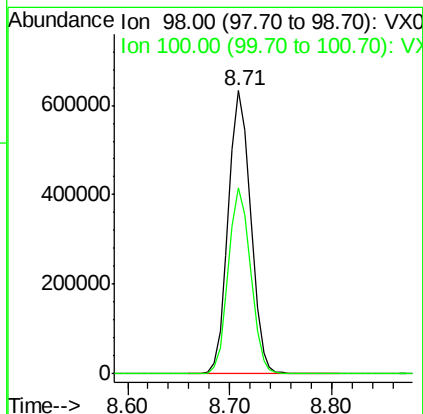
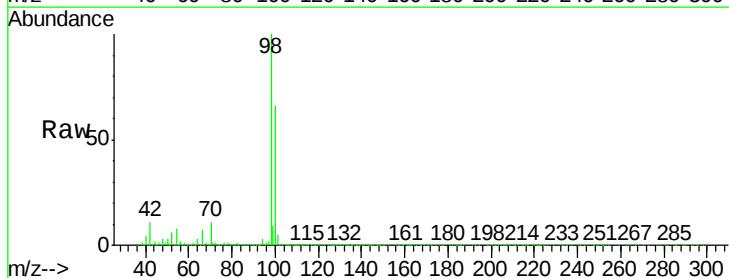
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

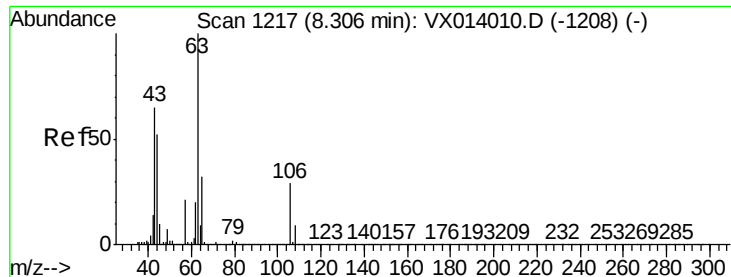
Tgt Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 142.3 56.8 85.2#



#50
Toluene-d8
Concen: 49.943 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

Tgt Ion: 98 Resp: 963397
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3





#58

2-Chloroethyl Vinyl ether

Concen: 0.270 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

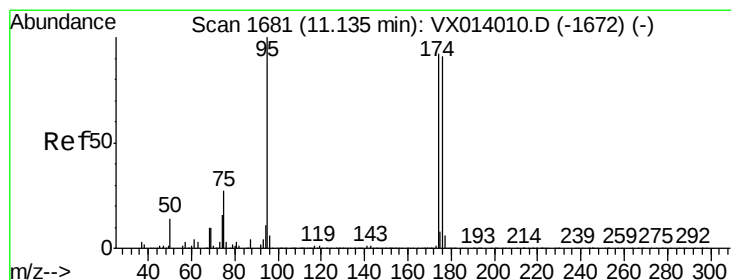
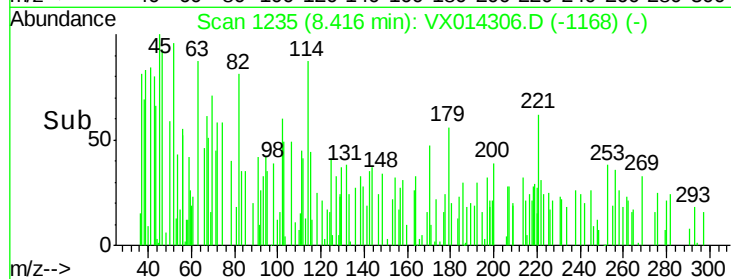
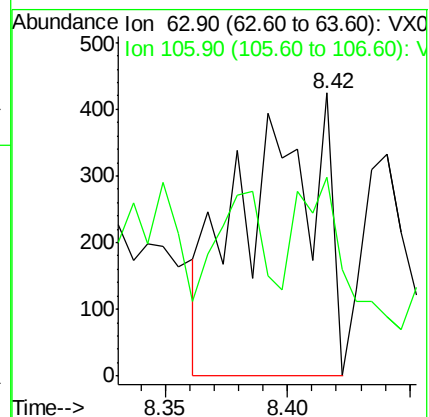
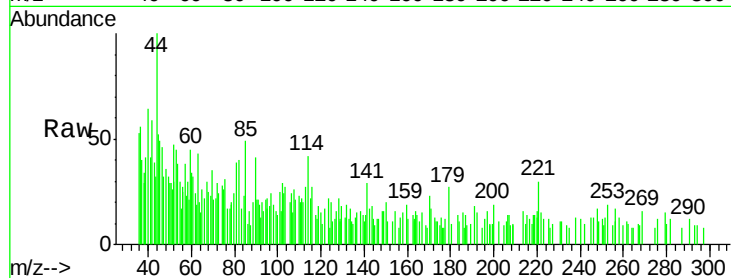
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 63 Resp: 935

Ion Ratio Lower Upper

63 100

106 31.6 23.0 34.6



#62

4-Bromofluorobenzene

Concen: 44.900 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014306.D

Acq: 27 Dec 2019 14:11

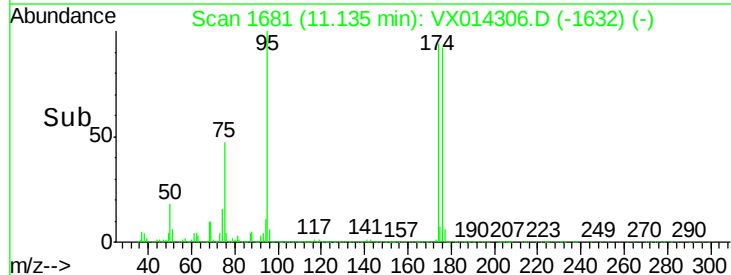
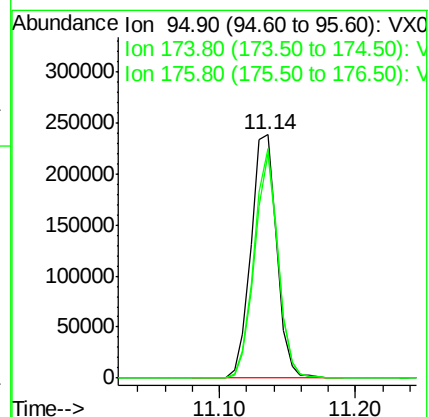
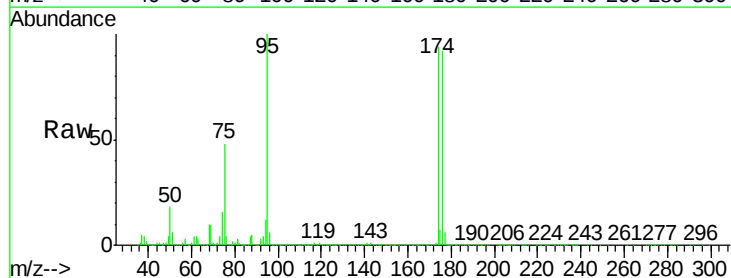
Tgt Ion: 95 Resp: 316602

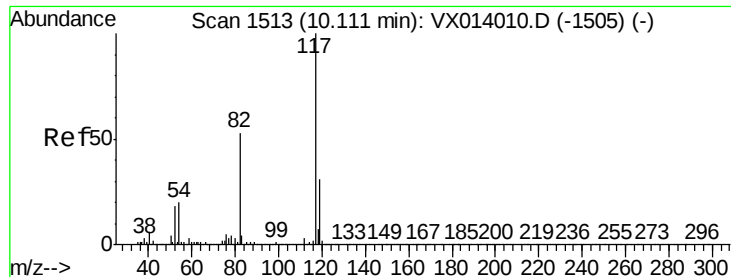
Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.8

176 84.6 0.0 173.0

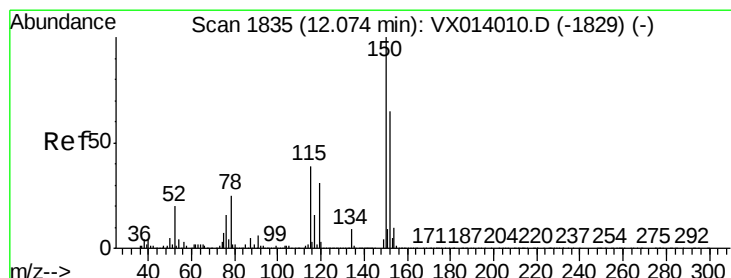
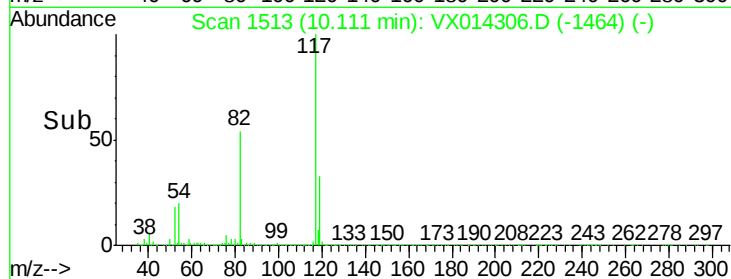
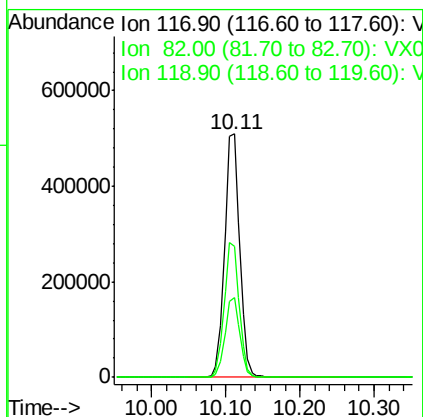
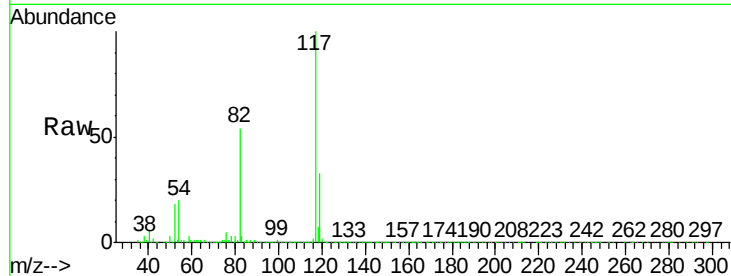




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

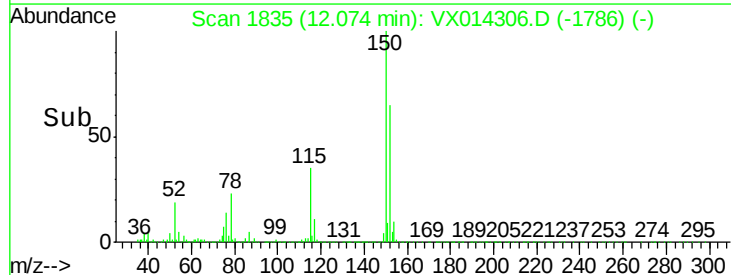
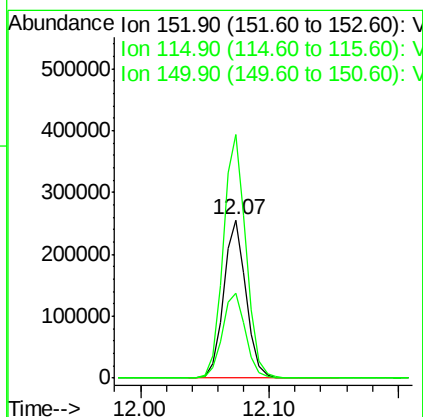
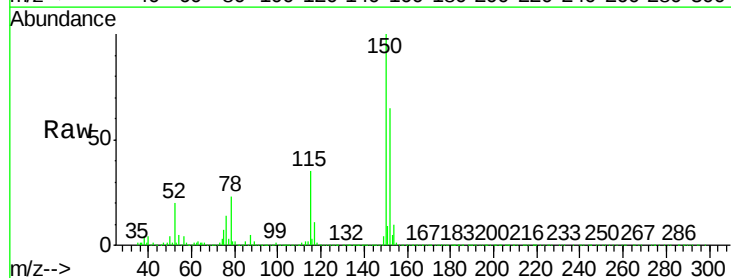
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

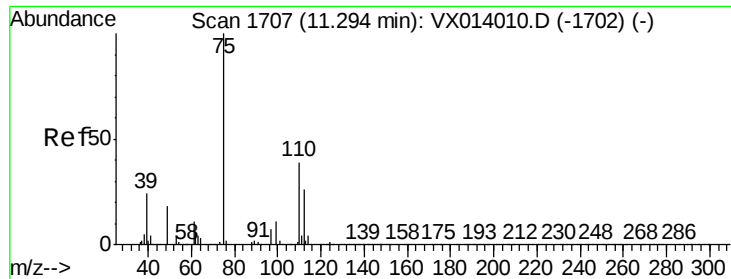
Tgt Ion:117 Resp: 724204
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 32.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014306.D
Acq: 27 Dec 2019 14:11

Tgt Ion:152 Resp: 310848
Ion Ratio Lower Upper
152 100
115 55.9 38.3 114.9
150 156.1 0.0 345.4

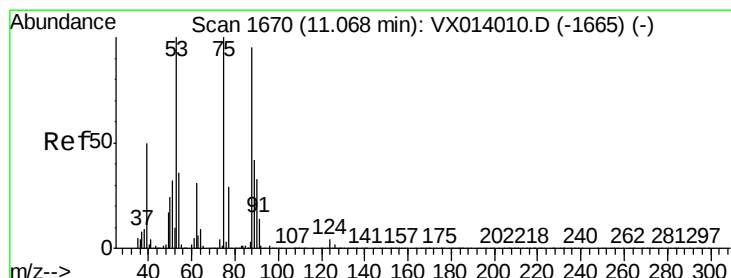
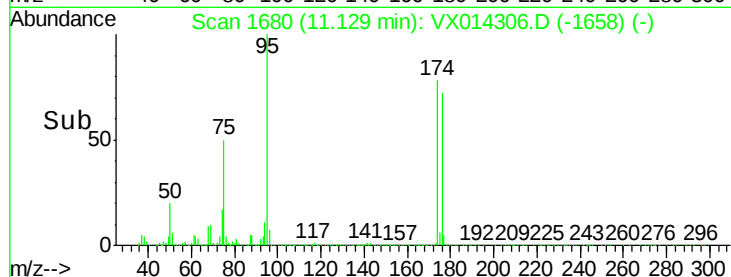
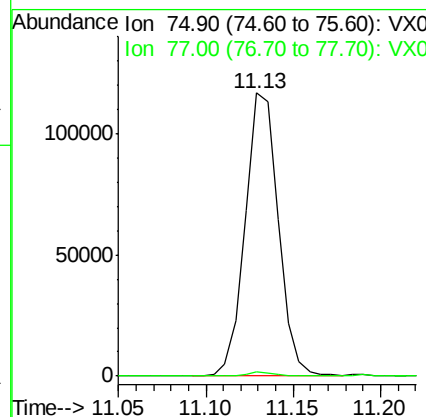
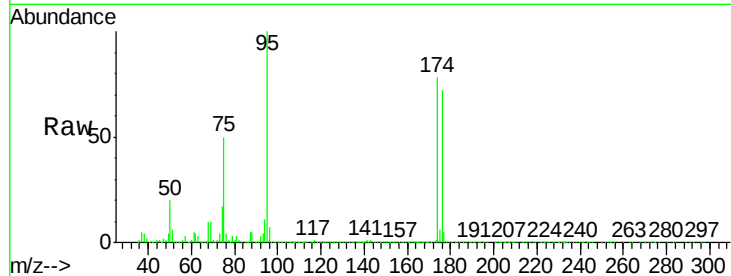




#76
 1,2,3-Trichloropropane
 Concen: 22.834 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014306.D
 Acq: 27 Dec 2019 14:11

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

Tgt Ion: 75 Resp: 154095
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.3 57.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.450 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014306.D
 Acq: 27 Dec 2019 14:11

Tgt Ion: 75 Resp: 154095
 Ion Ratio Lower Upper
 75 100
 53 0.4 76.7 115.1#
 89 0.2 34.6 51.8#

