

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121319\
 Data File : VX014018.D
 Acq On : 13 Dec 2019 20:55
 Operator : JC/SP
 Sample : K6182-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 14 01:26:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:10:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	590045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	892998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	325393	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	319396	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	5.48	113	261127	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1044569	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.14	95	347549	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

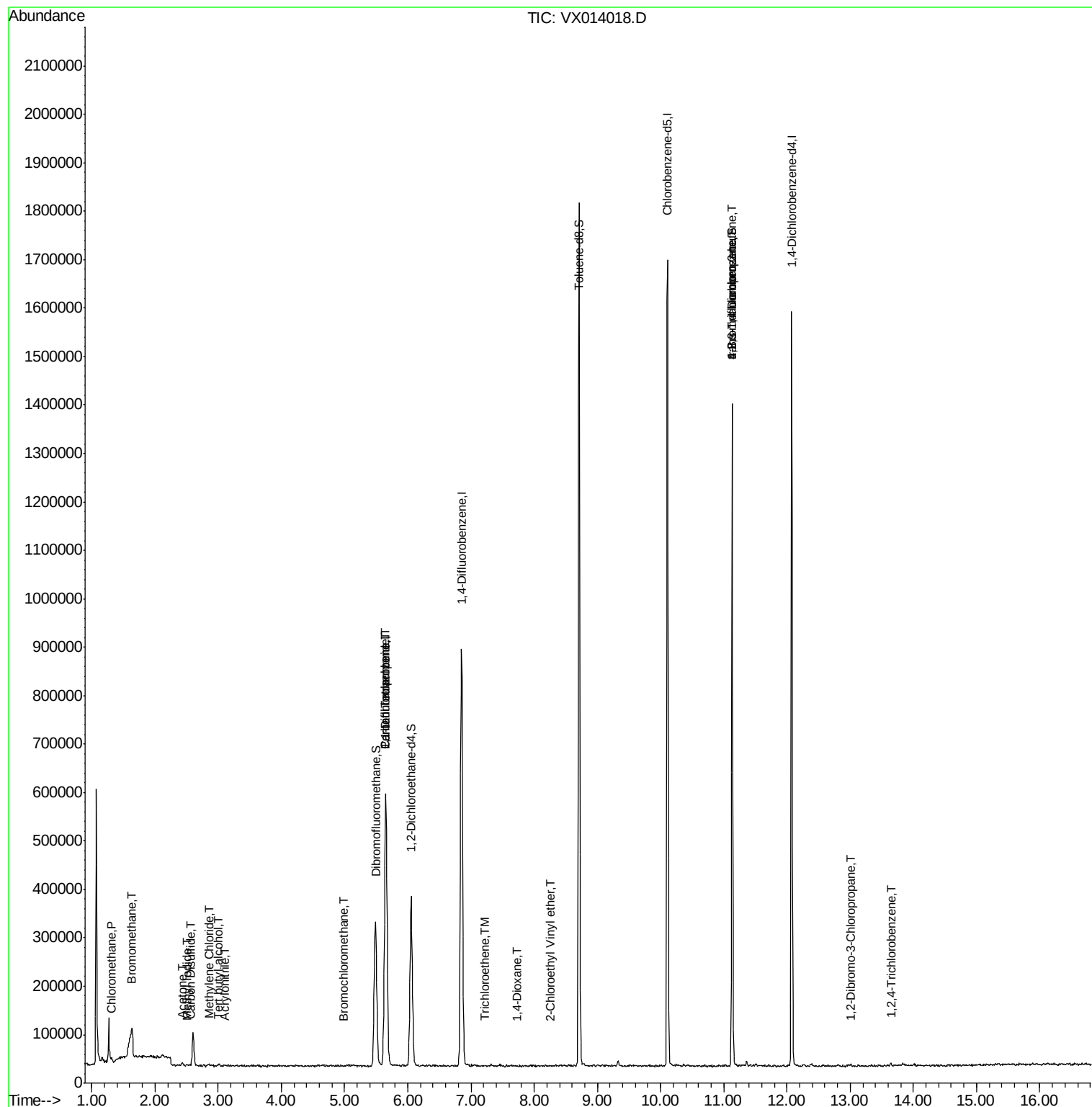
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2661	0.376	ug/l #	77
5) Bromomethane	1.63	94	2679	0.505	ug/l #	74
10) Methyl Iodide	2.51	142	1303	2.789	ug/l #	74
11) Tert butyl alcohol	3.00	59	2827	1.956	ug/l #	67
15) Acrylonitrile	3.11	53	1199	0.356	ug/l #	49
16) Acetone	2.43	43	8054	1.855	ug/l #	70
17) Carbon Disulfide	2.56	76	4324	1.020	ug/l #	84
20) Methylene Chloride	2.85	84	2487	0.364	ug/l #	62
28) Bromochloromethane	4.99	49	430	0.552	ug/l #	71
36) 1,1-Dichloropropene	5.65	75	40372	4.927	ug/l #	49
38) Carbon Tetrachloride	5.65	117	51473	6.896	ug/l #	15
44) Trichloroethene	7.22	130	1511	0.217	ug/l	6
49) 1,4-Dioxane	7.73	88	225	1.508	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.25	63	995	0.262	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	162847	22.142	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	162847	65.066	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.00	75	604	0.344	ug/l	77
93) 1,2,4-Trichlorobenzene	13.65	180	1516	0.210	ug/l #	82

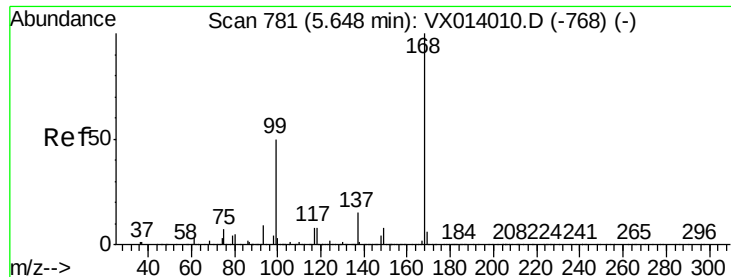
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121319\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

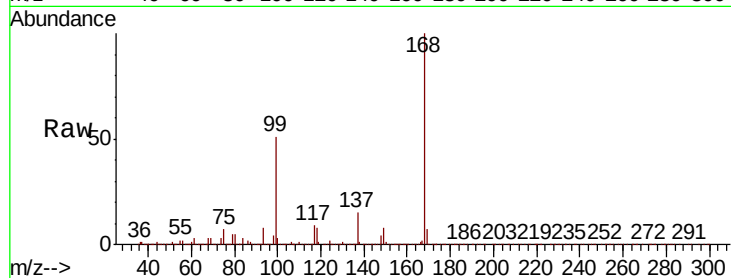
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 590045

Ion Ratio Lower Upper

168 100

99 51.3 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

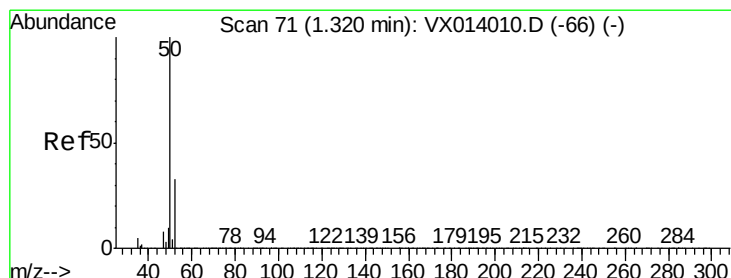
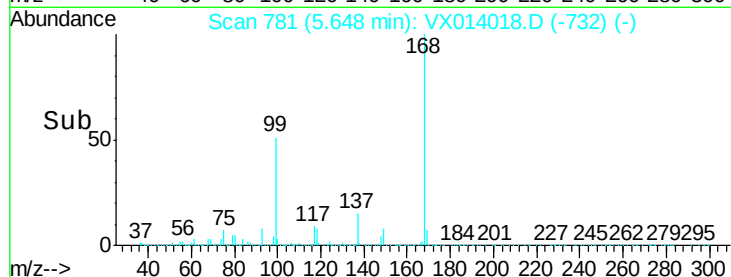
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.376 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX014018.D

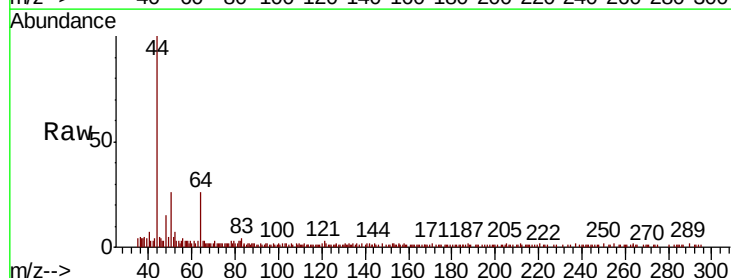
Acq: 13 Dec 2019 20:55

Tgt Ion: 50 Resp: 2661

Ion Ratio Lower Upper

50 100

52 20.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

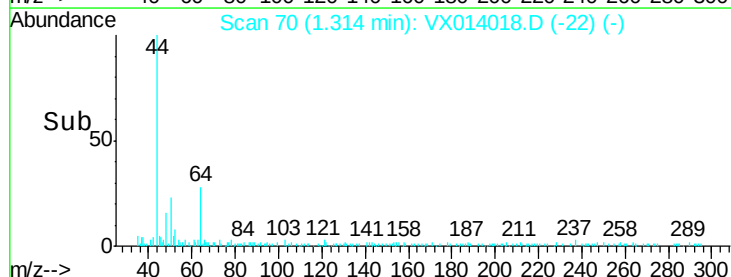
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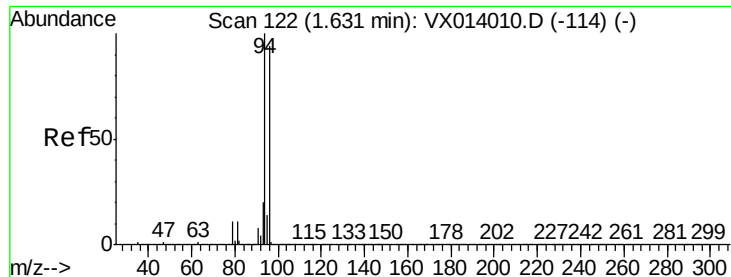
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.505 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

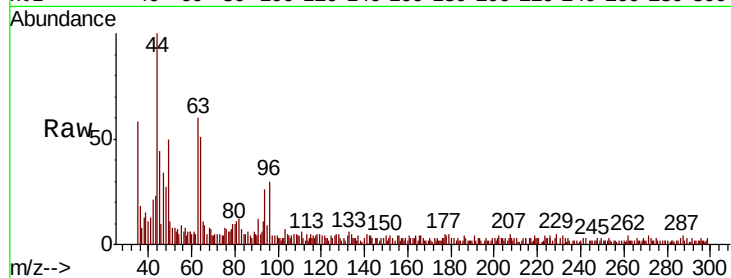
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 94 Resp: 2679

Ion Ratio Lower Upper

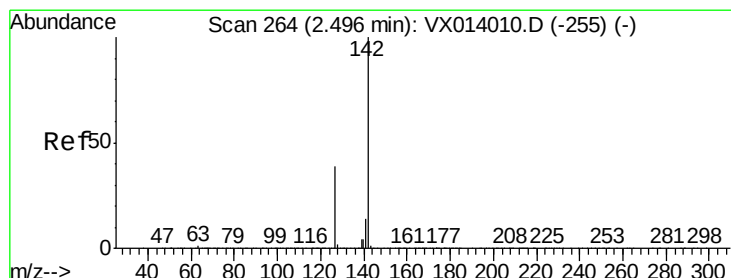
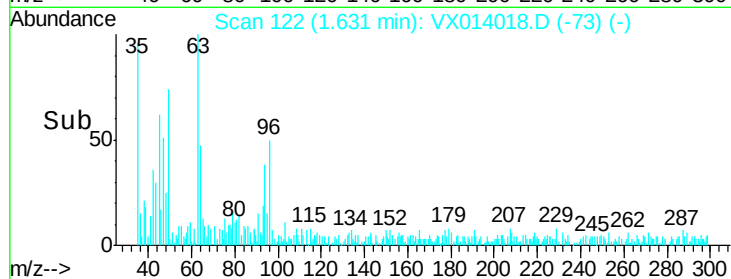
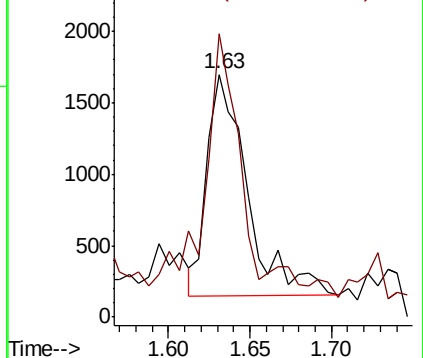
94 100

96 119.4 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.789 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

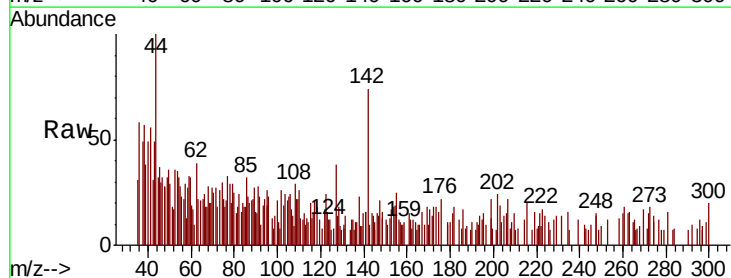
Tgt Ion: 142 Resp: 1303

Ion Ratio Lower Upper

142 100

127 53.0 31.6 47.4#

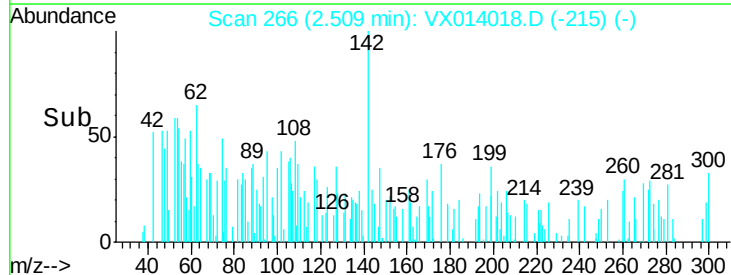
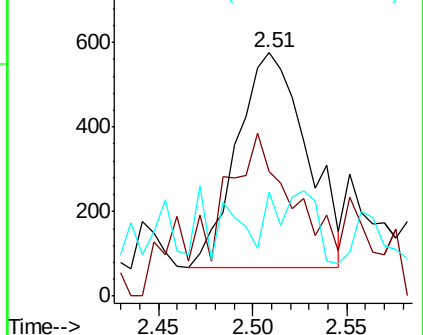
141 0.0 11.6 17.4#

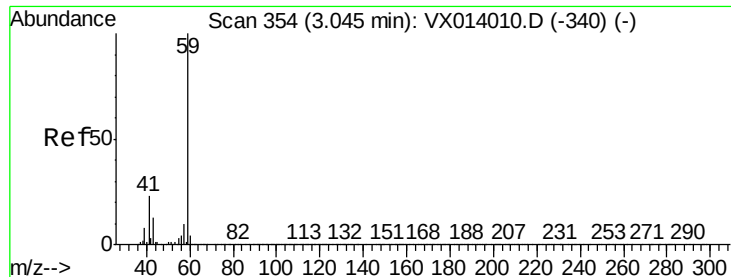


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



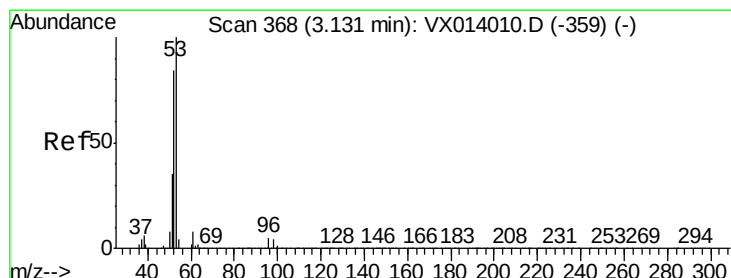
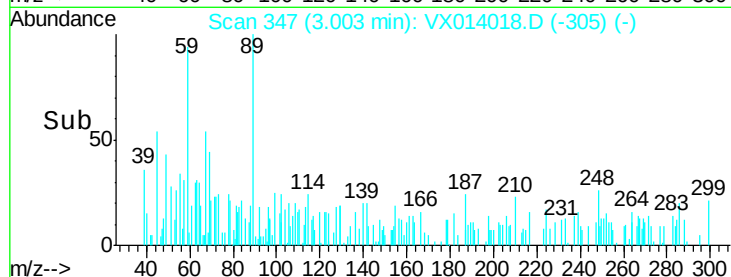
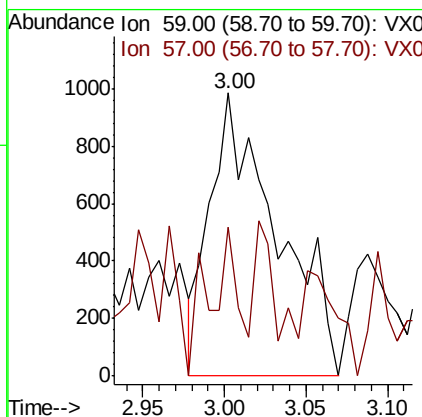
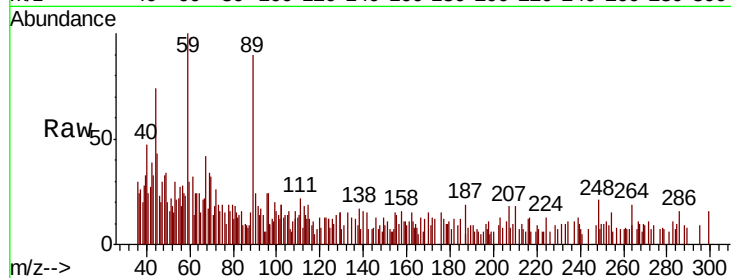


#11

Tert butyl alcohol
 Concen: 1.956 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

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

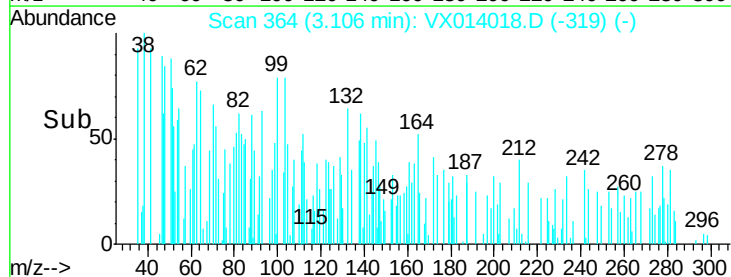
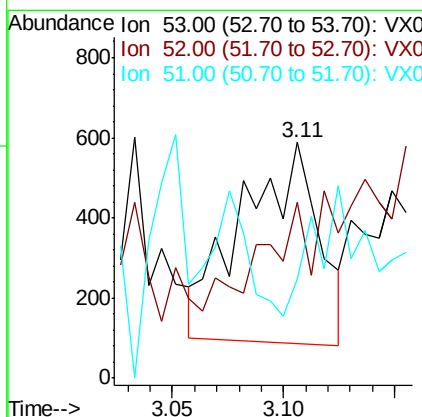
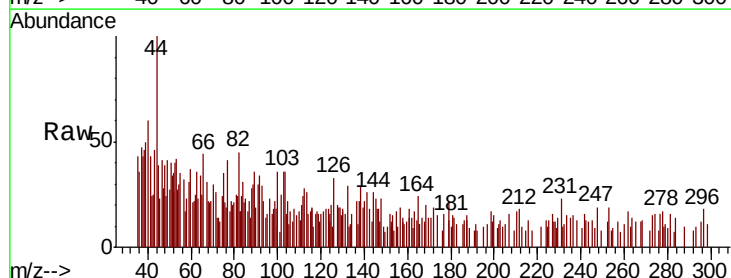
Tgt Ion: 59 Resp: 2827
 Ion Ratio Lower Upper
 59 100
 57 23.0 8.4 12.6#

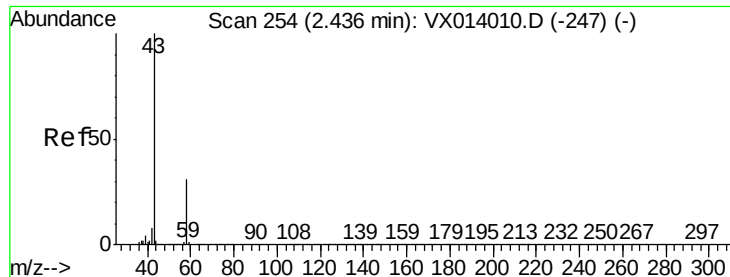


#15

Acrylonitrile
 Concen: 0.356 ug/l
 RT: 3.11 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

Tgt Ion: 53 Resp: 1199
 Ion Ratio Lower Upper
 53 100
 52 40.1 66.5 99.7#
 51 0.0 28.1 42.1#





#16

Acetone

Concen: 1.855 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

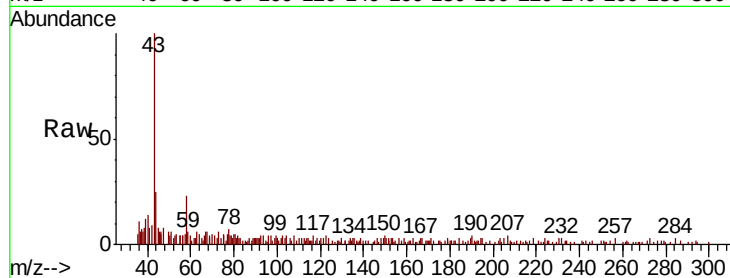
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 43 Resp: 8054

Ion Ratio Lower Upper

43 100

58 14.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

5000

4000

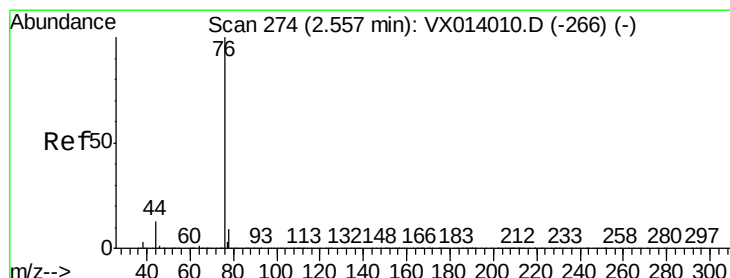
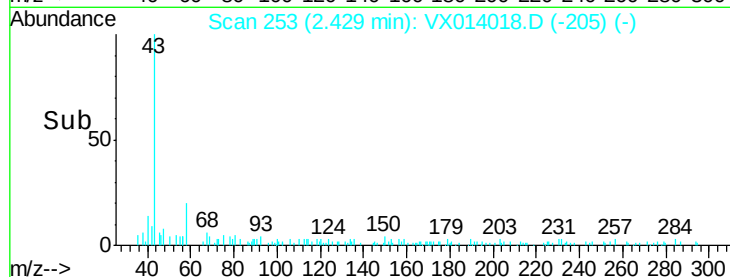
3000

2000

1000

0

Time-->



#17

Carbon Disulfide

Concen: 1.020 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014018.D

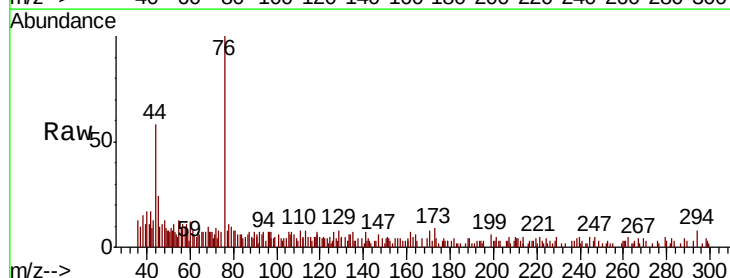
Acq: 13 Dec 2019 20:55

Tgt Ion: 76 Resp: 4324

Ion Ratio Lower Upper

76 100

78 3.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

3000

2500

2000

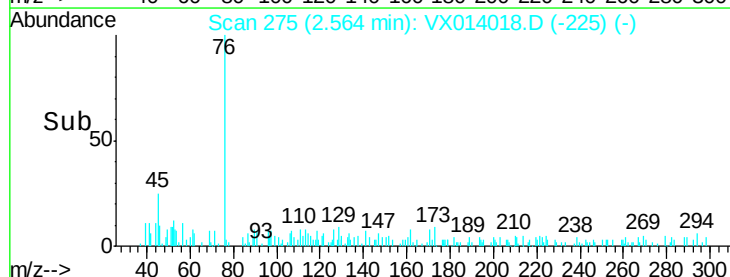
1500

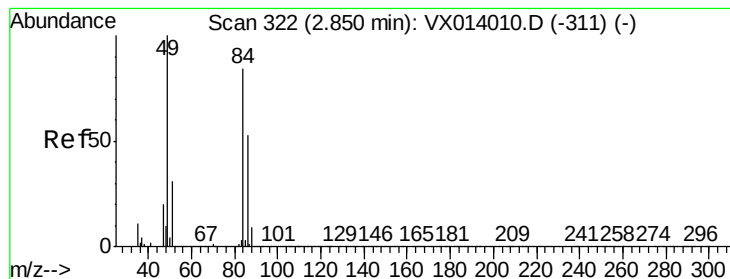
1000

500

0

Time-->





#20

Methylene Chloride

Concen: 0.364 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion: 84 Resp: 2487

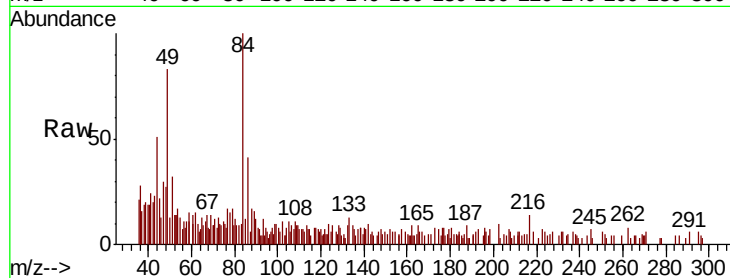
Ion Ratio Lower Upper

84 100

49 75.2 95.8 143.6#

51 21.1 29.8 44.8#

86 32.5 50.8 76.2#

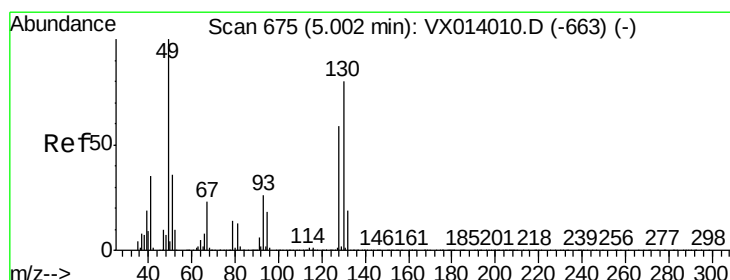
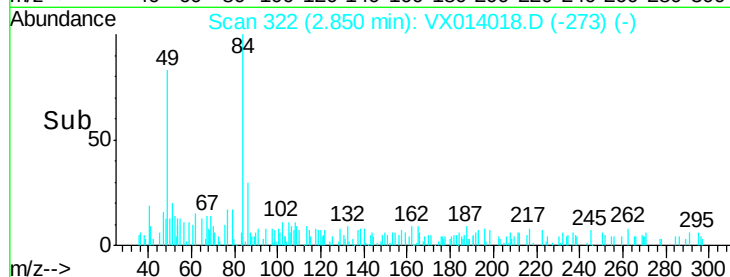
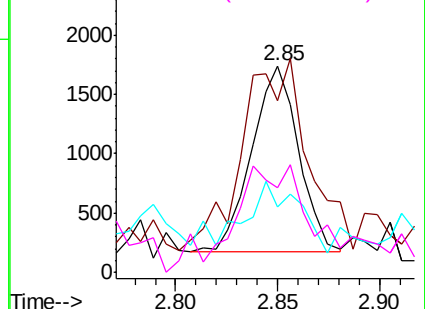


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#28

Bromochloromethane

Concen: 0.552 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

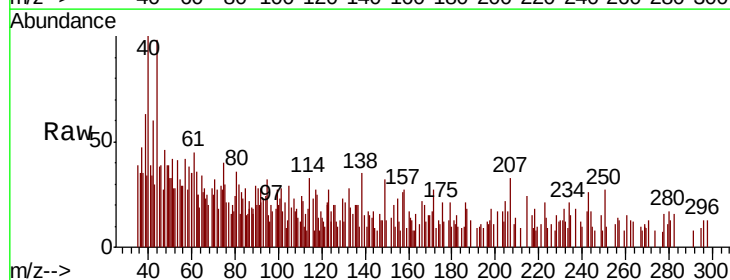
Tgt Ion: 49 Resp: 430

Ion Ratio Lower Upper

49 100

129 22.3 0.0 5.0#

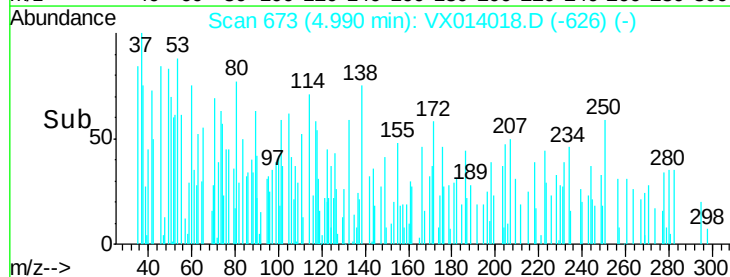
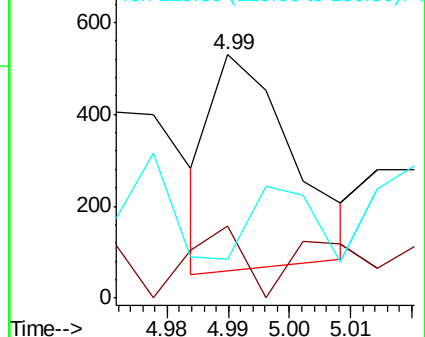
130 56.3 64.6 97.0#

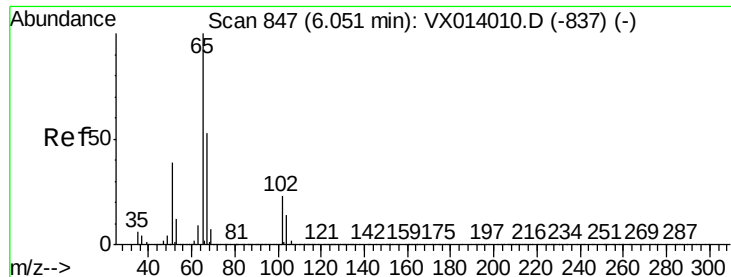


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

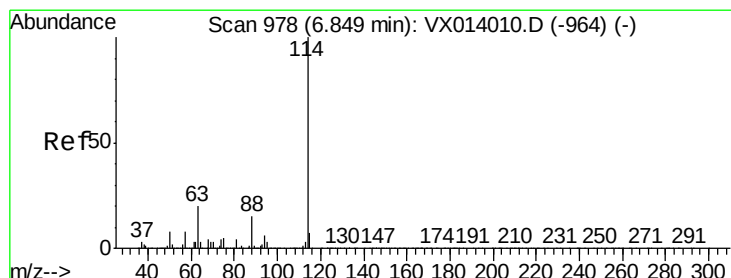
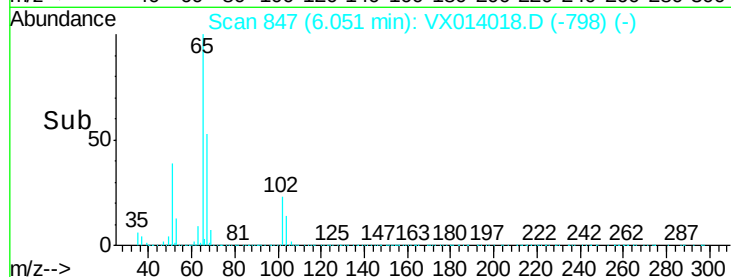
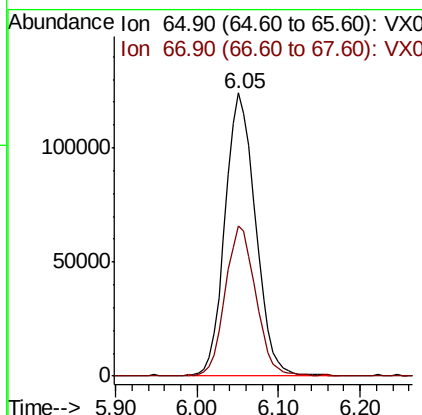
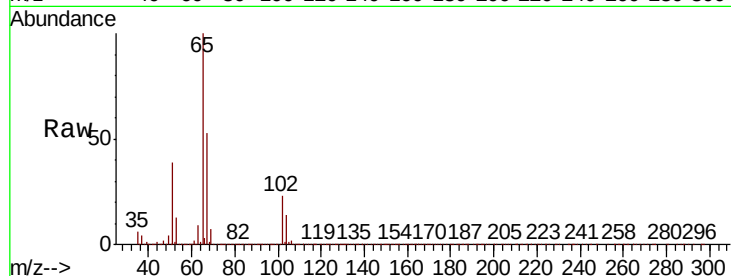




#33
 1,2-Dichloroethane-d4
 Concen: 47.761 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

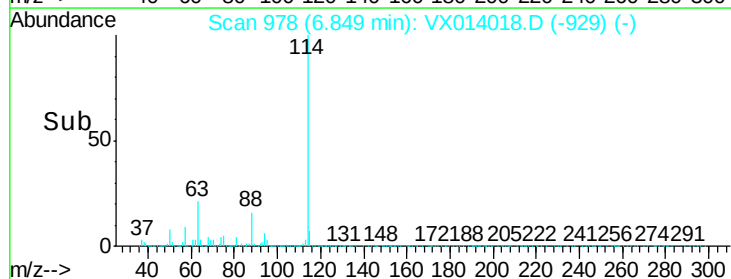
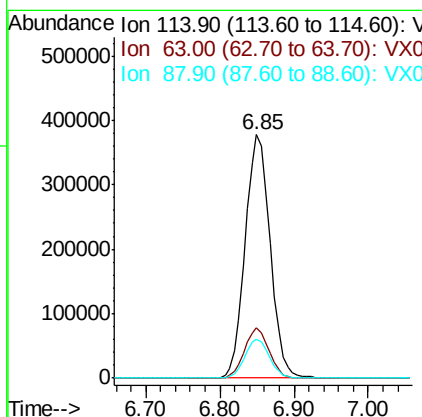
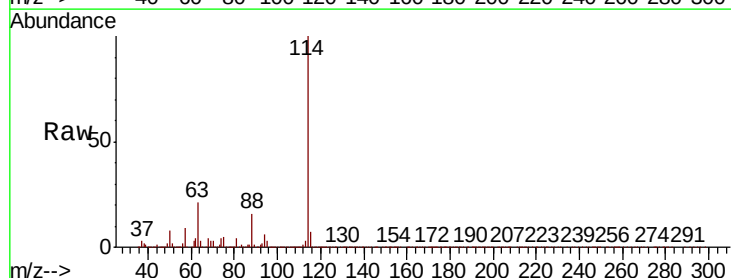
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 STORAGE-BLANK-WATER-REF-5

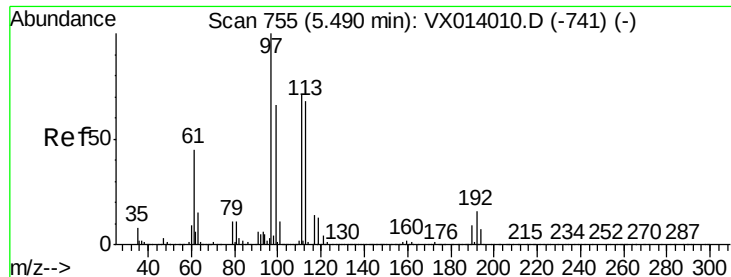
Tgt Ion: 65 Resp: 319396
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

Tgt Ion: 114 Resp: 892998
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.0 0.0 30.4

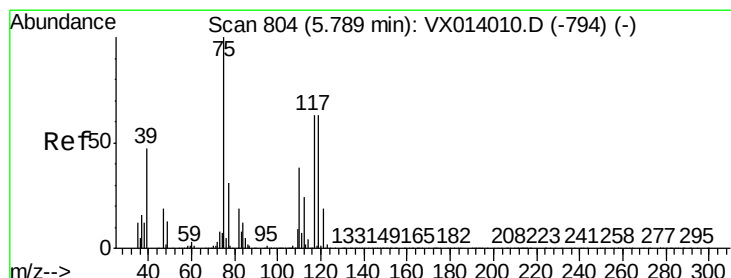
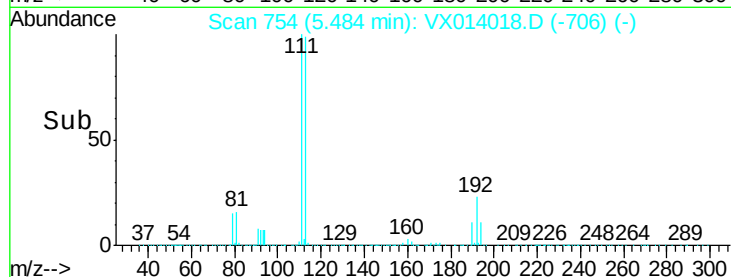
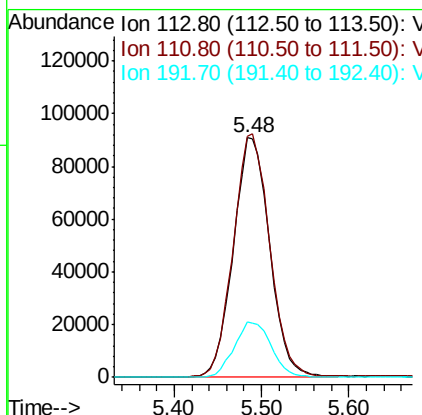
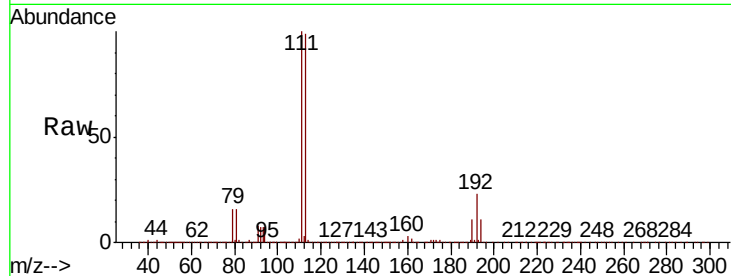




#35
Dibromofluoromethane
Concen: 48.103 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014018.D
Acq: 13 Dec 2019 20:55

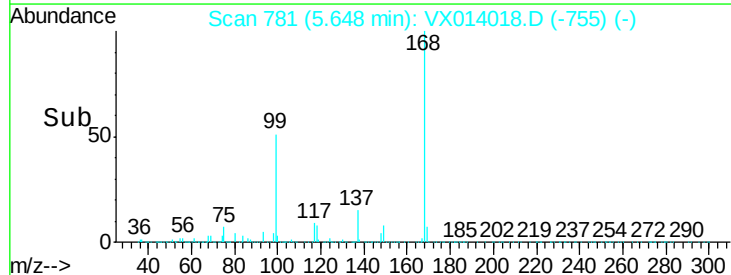
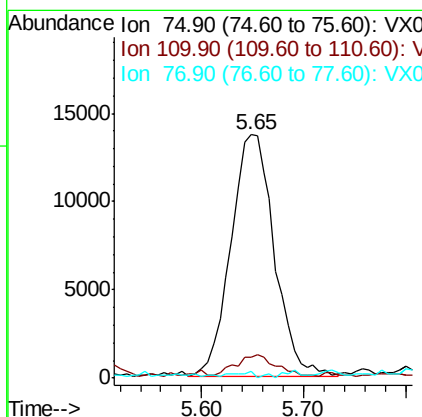
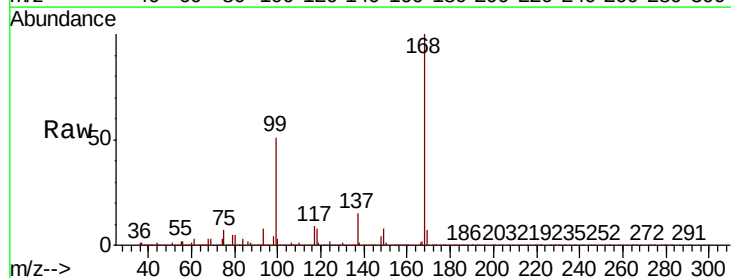
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

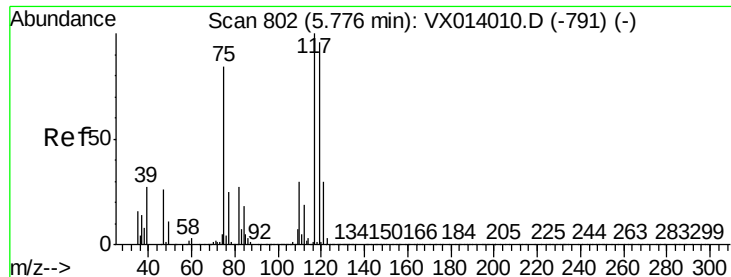
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	24.0	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX014018.D
Acq: 13 Dec 2019 20:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.3	54.9#
77	0.6	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.896 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

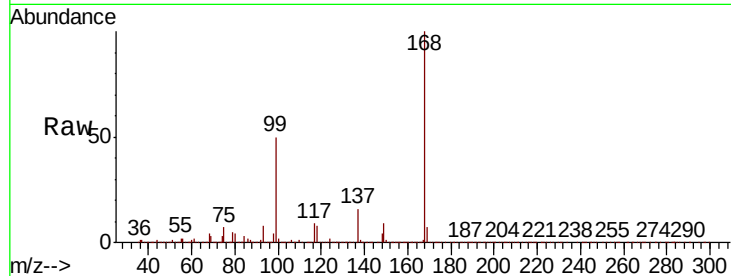
Tgt Ion:117 Resp: 51473

Ion Ratio Lower Upper

117 100

119 2.9 76.2 114.4#

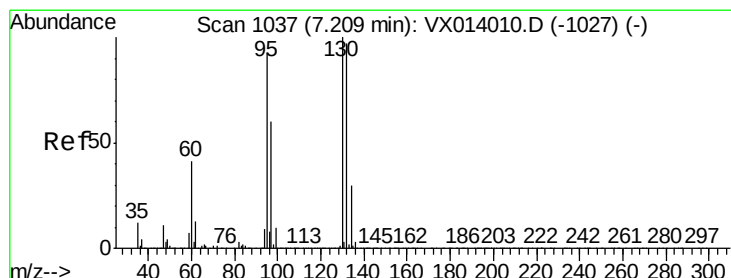
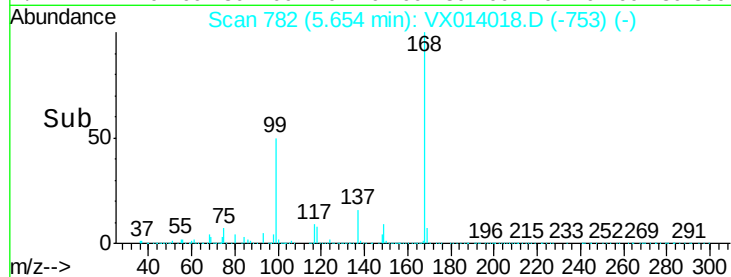
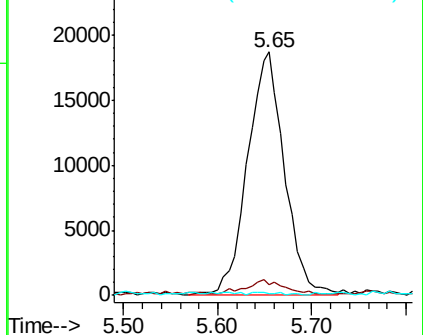
121 0.0 23.6 35.4#



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



#44

Trichloroethene

Concen: 0.217 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014018.D

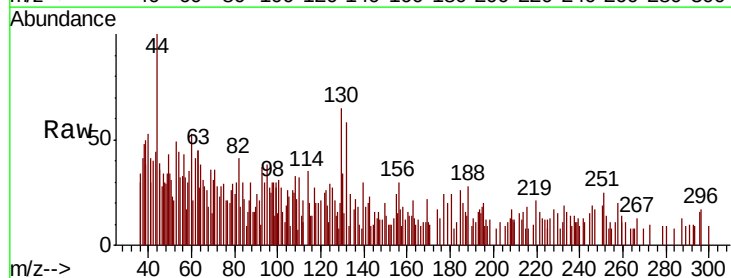
Acq: 13 Dec 2019 20:55

Tgt Ion:130 Resp: 1511

Ion Ratio Lower Upper

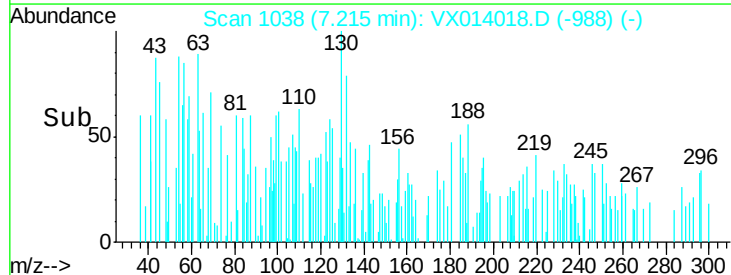
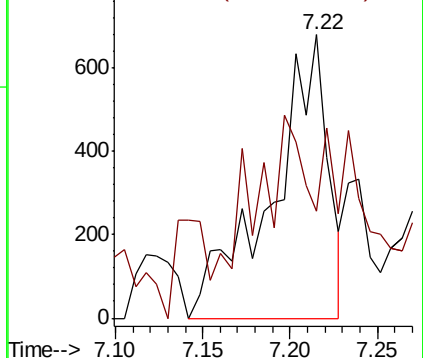
130 100

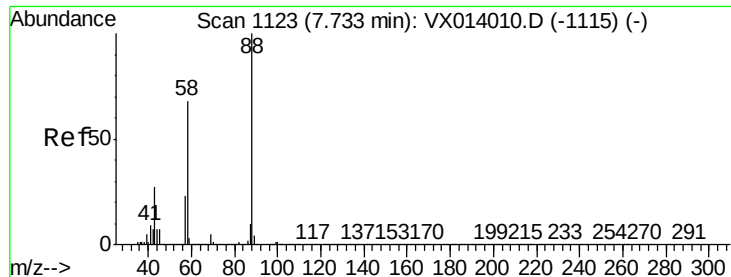
95 3.1 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 1.508 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

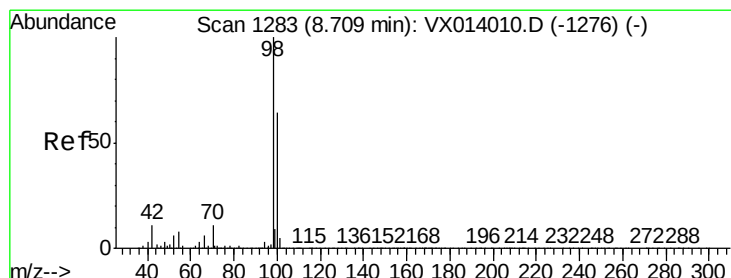
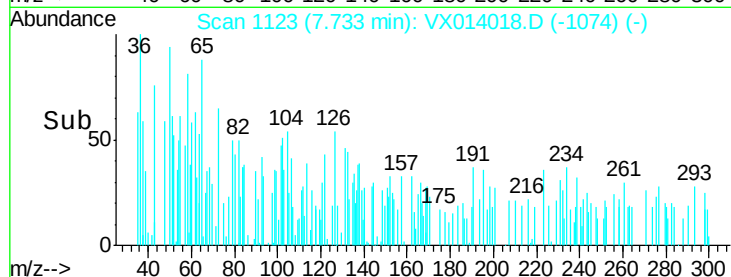
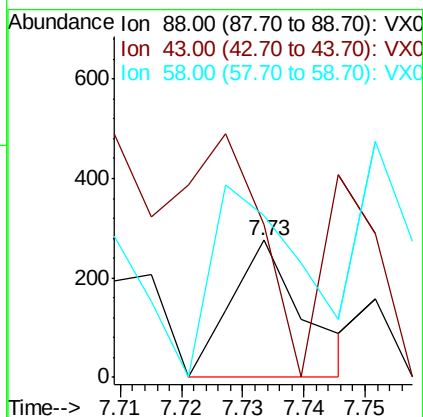
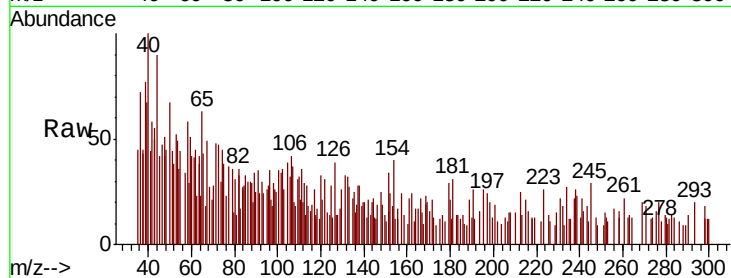
Tgt Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 172.0 56.8 85.2#



#50

Toluene-d8

Concen: 49.425 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014018.D

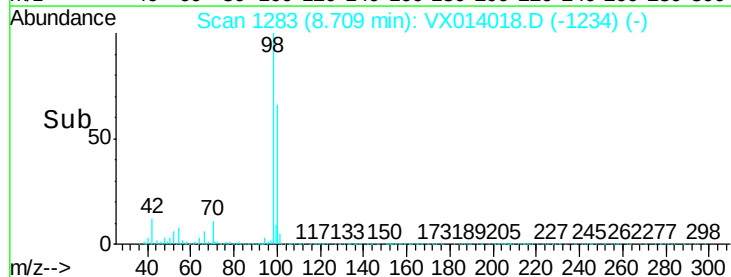
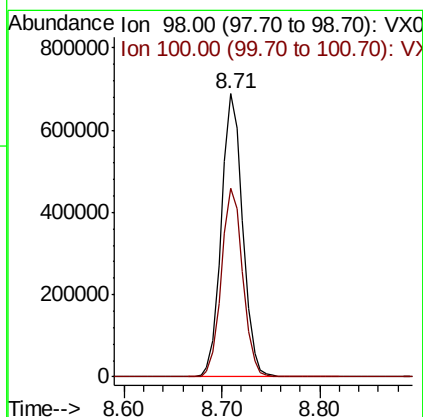
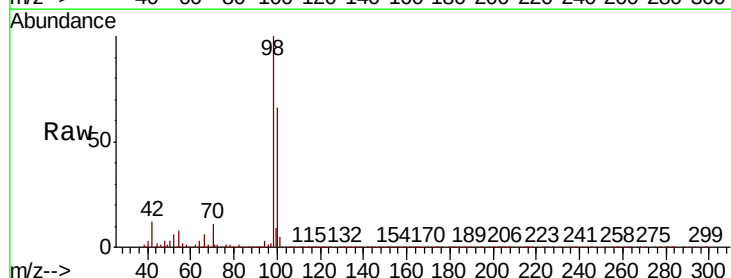
Acq: 13 Dec 2019 20:55

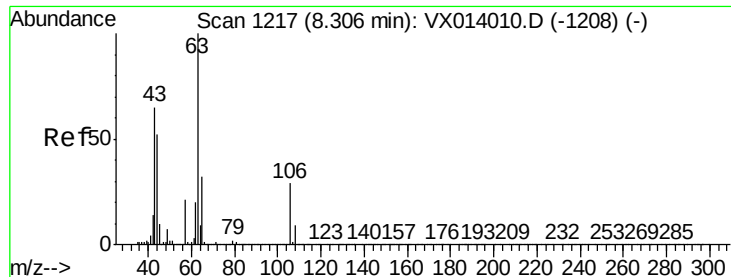
Tgt Ion: 98 Resp: 1044569

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3

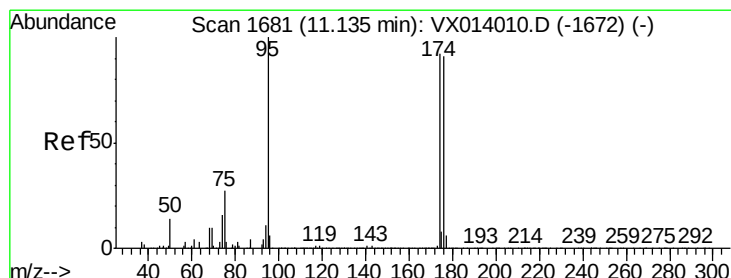
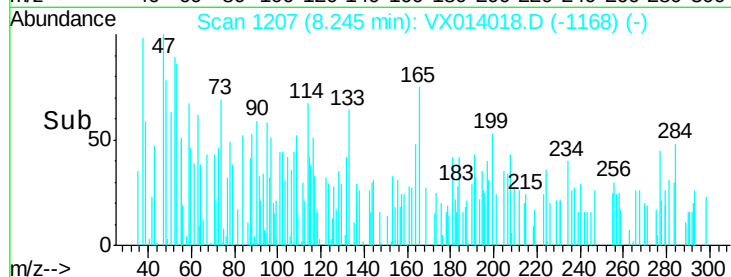
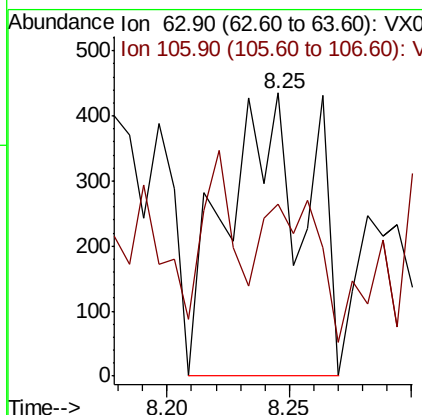
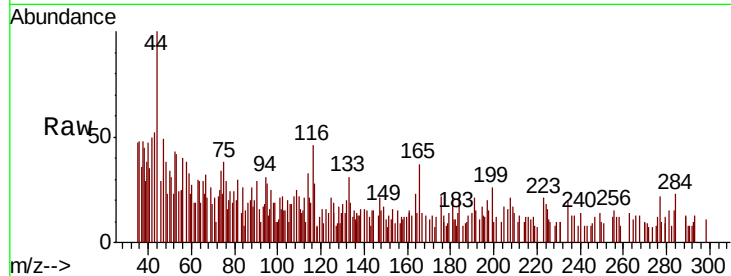




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.262 ug/l
 RT: 8.25 min Scan# 1207
 Delta R.T. -0.06 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

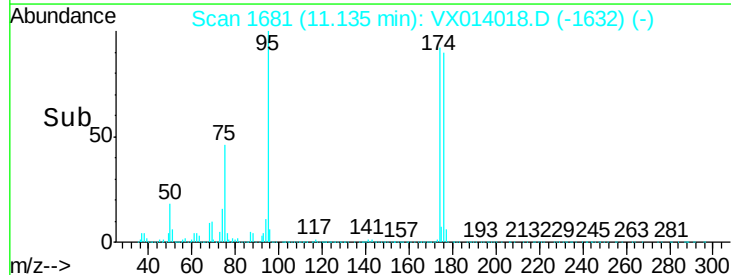
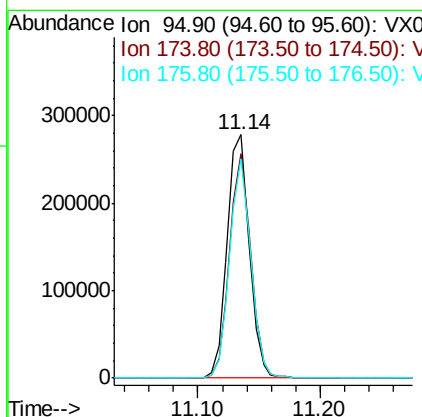
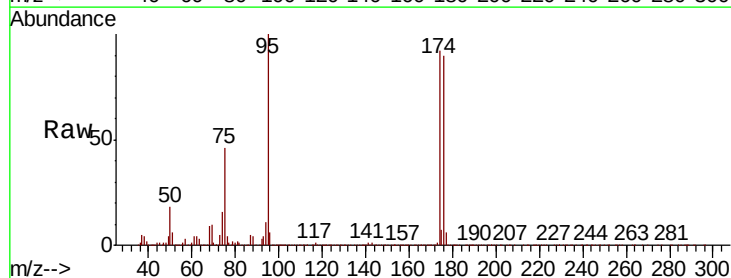
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

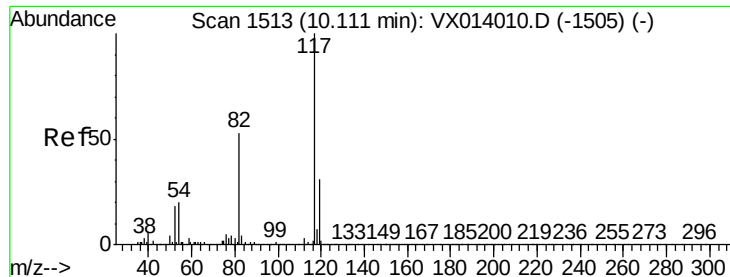
Tgt Ion: 63 Resp: 995
 Ion Ratio Lower Upper
 63 100
 106 34.4 23.0 34.6



#62
 4-Bromofluorobenzene
 Concen: 44.987 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

Tgt Ion: 95 Resp: 347549
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 175.8
 176 86.1 0.0 173.0

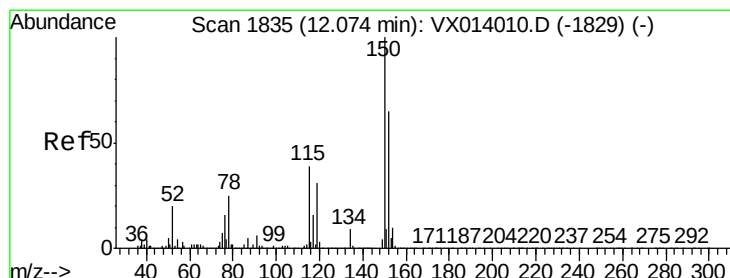
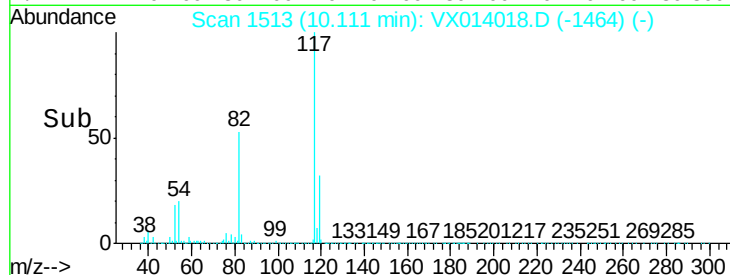
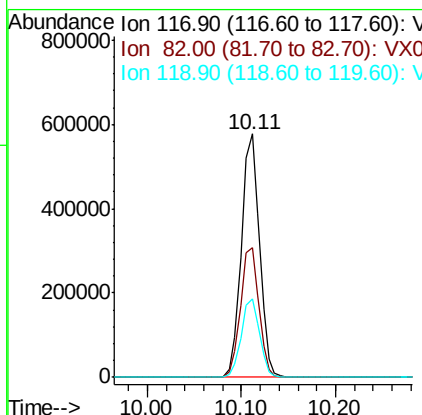
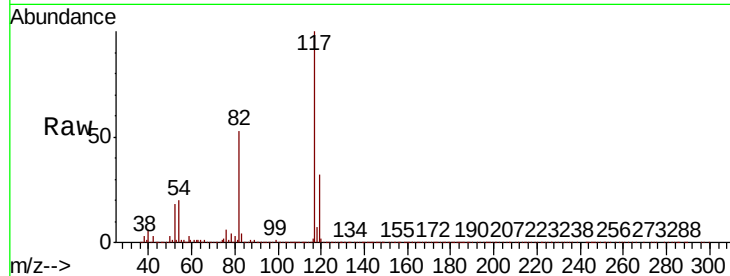




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014018.D
Acq: 13 Dec 2019 20:55

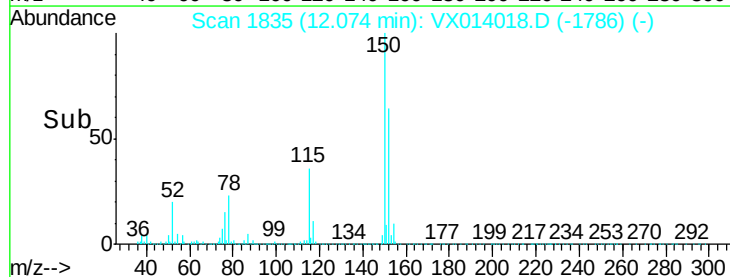
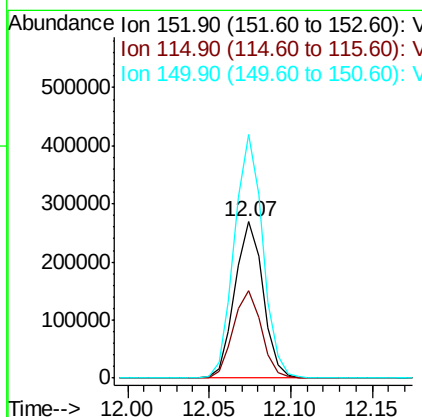
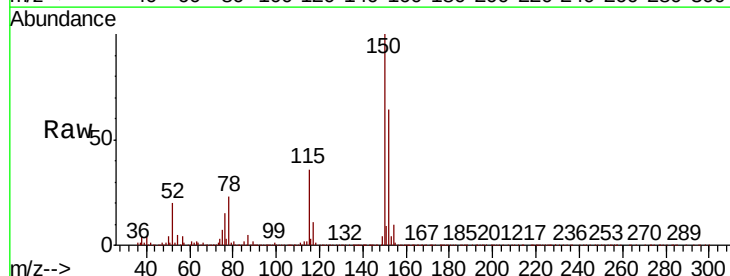
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

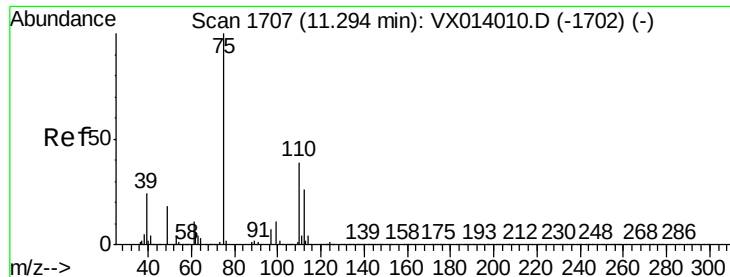
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.4
119	32.2	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014018.D
Acq: 13 Dec 2019 20:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	38.3	114.9
150	156.3	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.142 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

Instrument :

MSVOA_X

ClientSampleId :

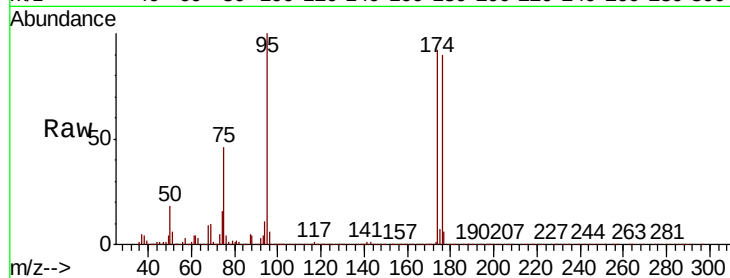
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 162847

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

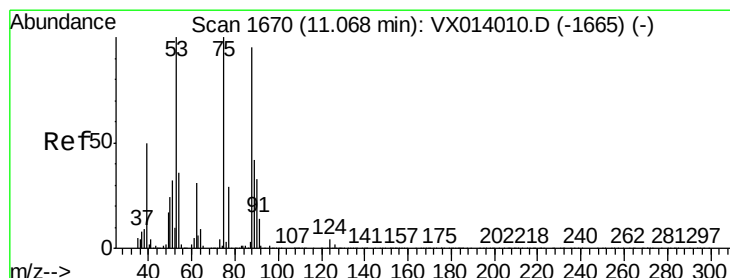
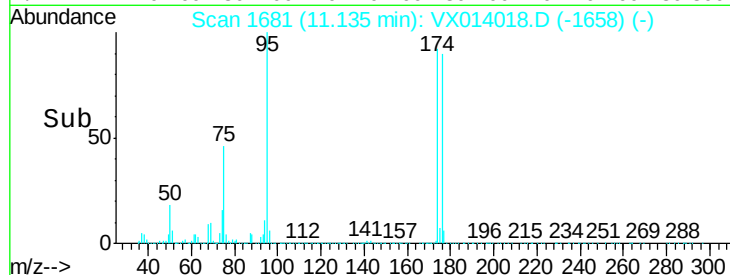
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 65.066 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014018.D

Acq: 13 Dec 2019 20:55

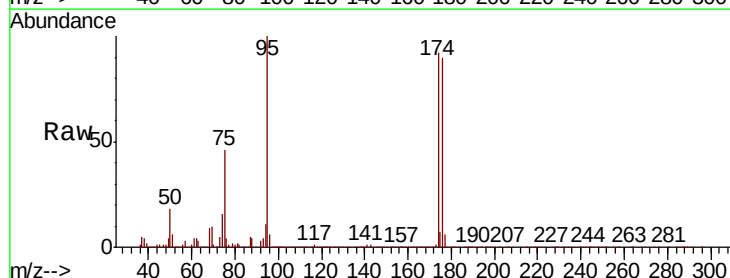
Tgt Ion: 75 Resp: 162847

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 34.6 51.8#



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

11.14

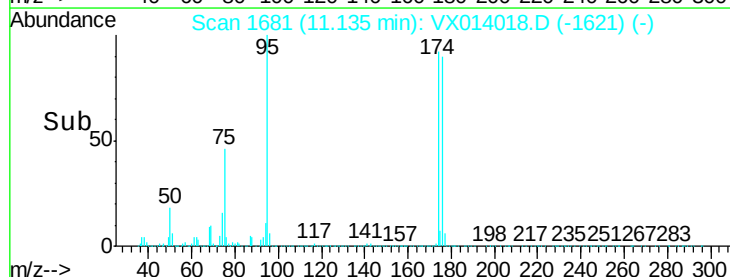
150000

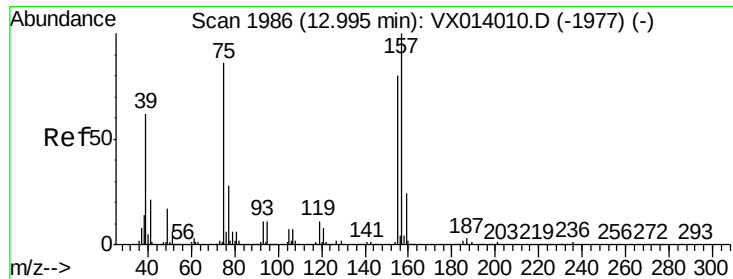
100000

50000

0

Time-->

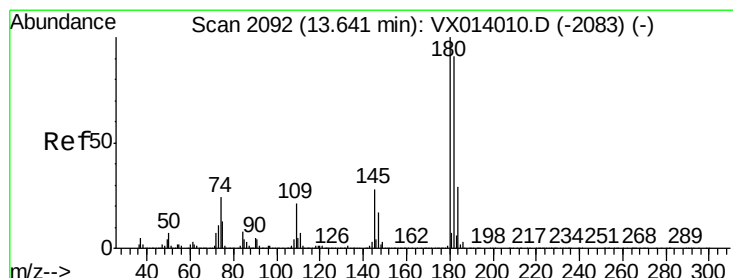
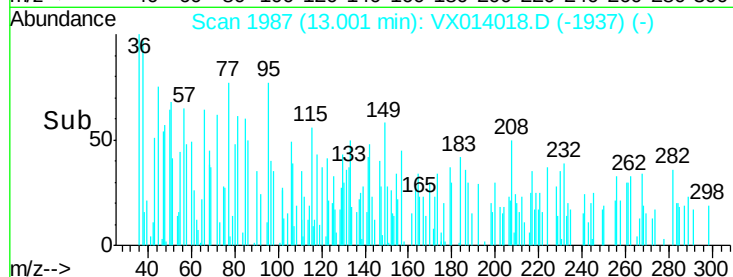
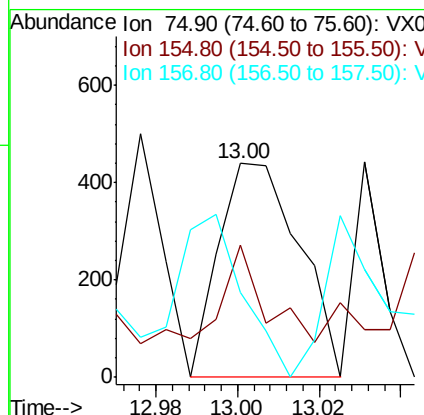
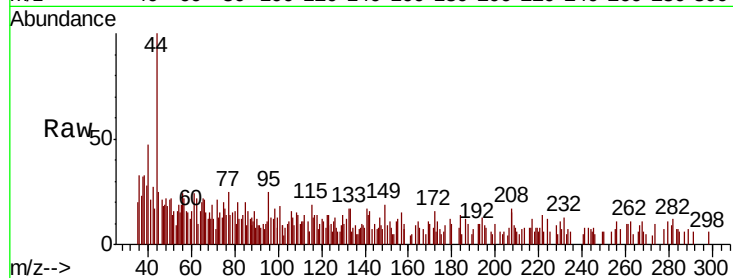




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.344 ug/l
 RT: 13.00 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

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

Tgt Ion: 75 Resp: 604
 Ion Ratio Lower Upper
 75 100
 155 66.1 46.9 140.6
 157 100.0 60.8 182.4



#93
 1,2,4-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX014018.D
 Acq: 13 Dec 2019 20:55

Tgt Ion: 180 Resp: 1516
 Ion Ratio Lower Upper
 180 100
 182 83.2 46.6 139.8
 145 51.5 14.2 42.6#

