

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011020\
 Data File : VX014537.D
 Acq On : 10 Jan 2020 15:12
 Operator : JC/SP
 Sample : L1092-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 10 15:47:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	494644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	757741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	684124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310116	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	274357	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	5.49	113	226042	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	896920	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	304684	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

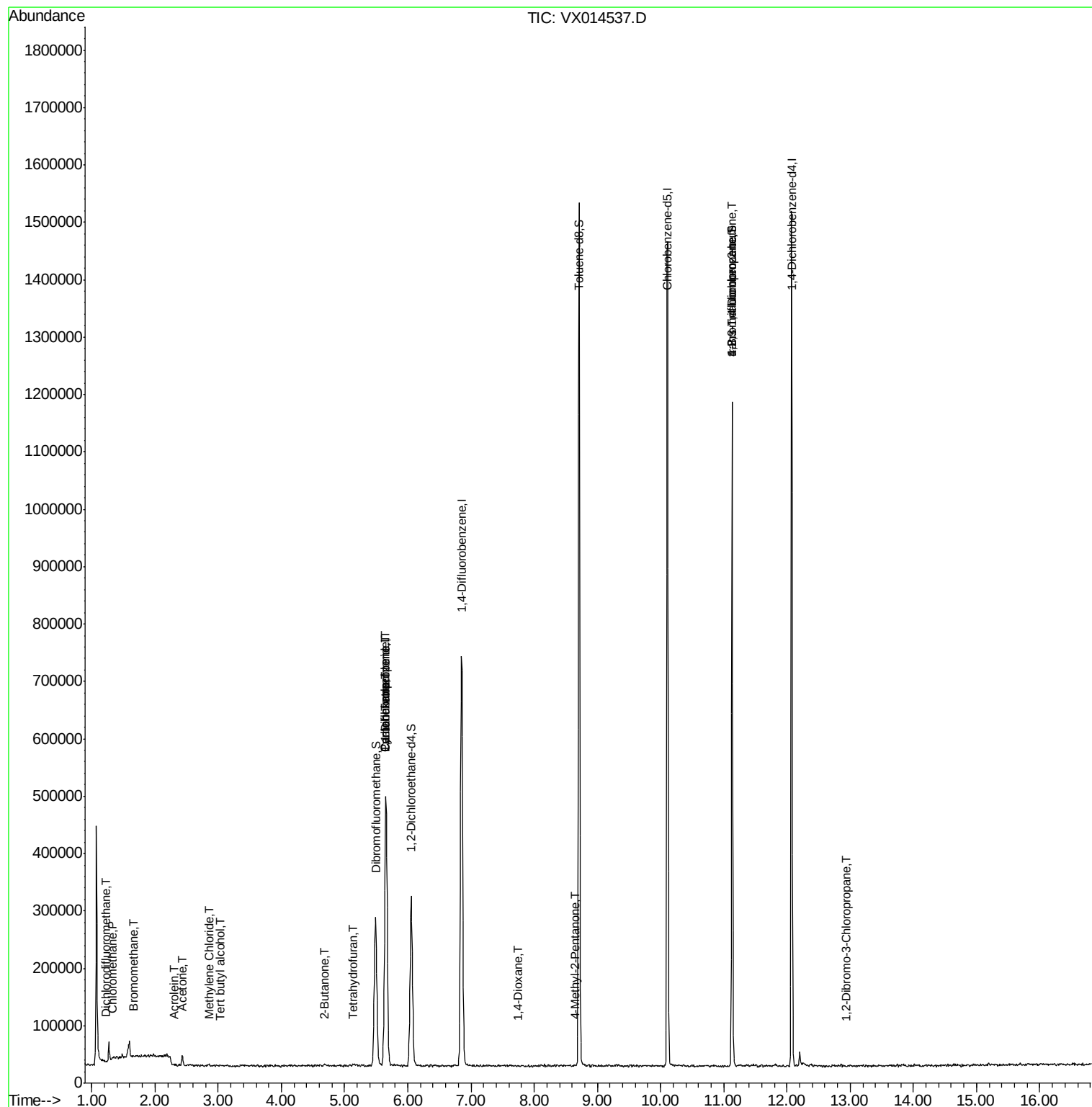
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.22	85	388	0.315	ug/l #	42
3) Chloromethane	1.32	50	1530	0.243	ug/l #	81
5) Bromomethane	1.65	94	1015	0.218	ug/l #	55
6) Chloroethane	1.72	64	525	Below Cal	#	65
11) Tert butyl alcohol	3.02	59	837	0.726	ug/l #	78
13) Acrolein	2.30	56	309	0.334	ug/l #	1
16) Acetone	2.43	43	19955	3.080	ug/l	92
20) Methylene Chloride	2.85	84	2862	0.515	ug/l #	74
25) 2-Butanone	4.67	43	3948	0.957	ug/l #	77
29) Tetrahydrofuran	5.13	42	2630	1.078	ug/l #	86
31) Cyclohexane	5.65	56	9052	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	34372	4.824	ug/l #	50
38) Carbon Tetrachloride	5.65	117	43023	6.561	ug/l #	18
49) 1,4-Dioxane	7.74	88	219	1.726	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	2459	0.323	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	147981	23.063	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	147981	60.974	ug/l #	13
88) 1,4-Dichlorobenzene	12.26	146	493	Below Cal		94
92) 1,2-Dibromo-3-Chloropropan	12.93	75	356	0.227	ug/l	79
93) 1,2,4-Trichlorobenzene	13.63	180	382	Below Cal	#	86
96) 1,2,3-Trichlorobenzene	14.01	180	386	Below Cal	#	48

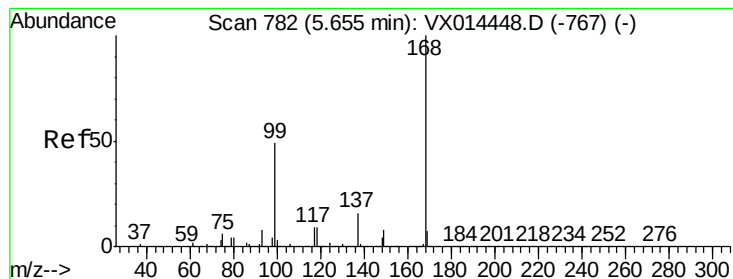
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

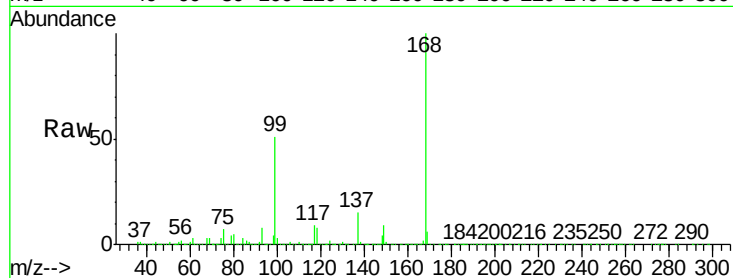
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 494644

Ion Ratio Lower Upper

168 100

99 50.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

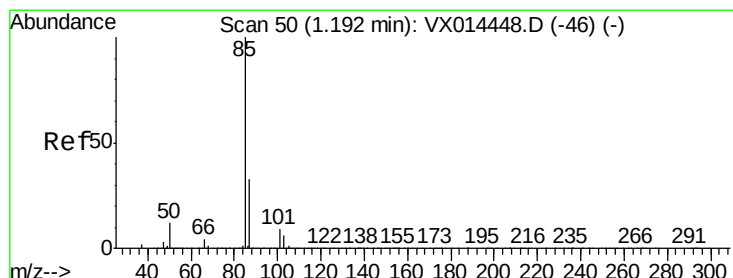
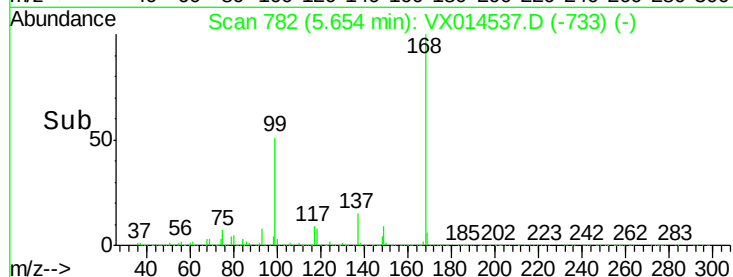
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.315 ug/l

RT: 1.22 min Scan# 54

Delta R.T. 0.03 min

Lab File: VX014537.D

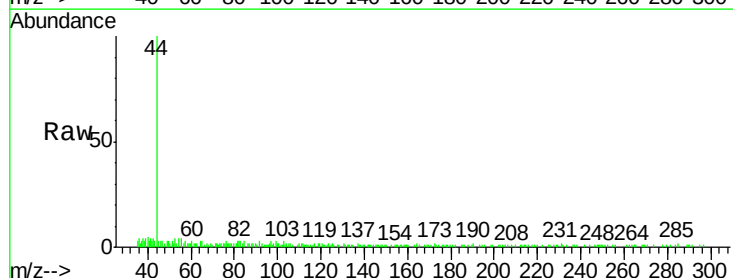
Acq: 10 Jan 2020 15:12

Tgt Ion: 85 Resp: 388

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400

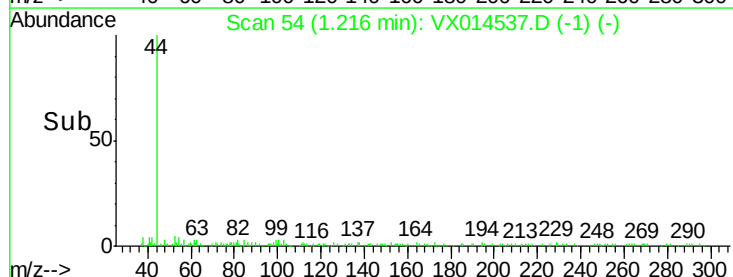
300

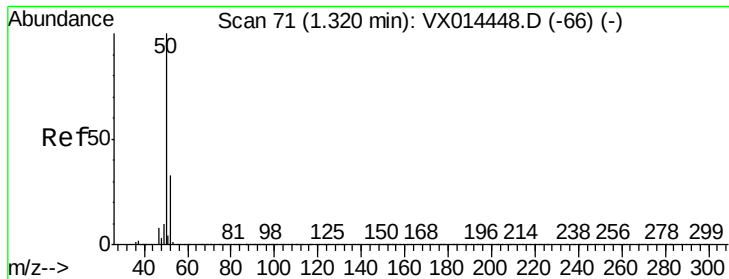
200

100

0

Time-->





#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

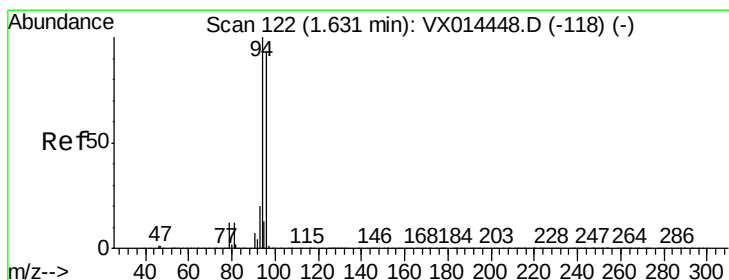
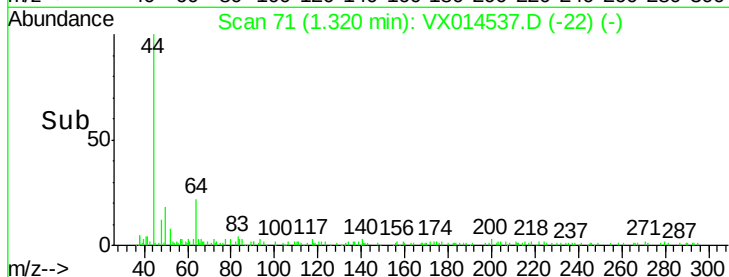
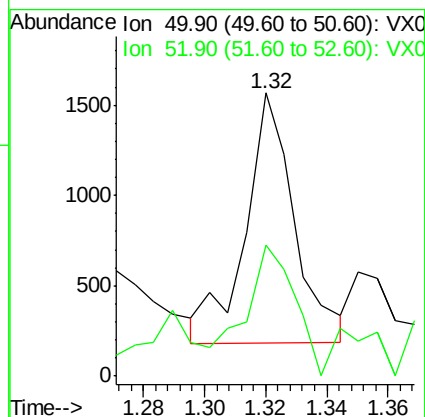
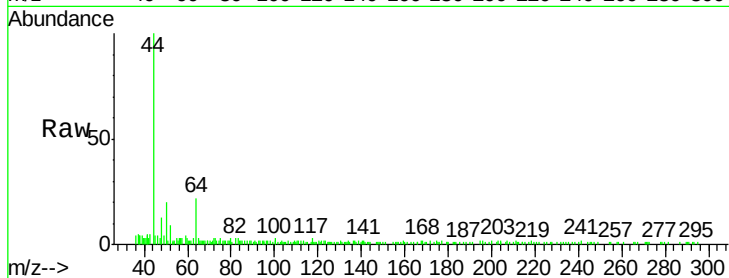
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 50 Resp: 1530

Ion Ratio Lower Upper

50 100

52 43.3 26.1 39.1#



#5

Bromomethane

Concen: 0.218 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014537.D

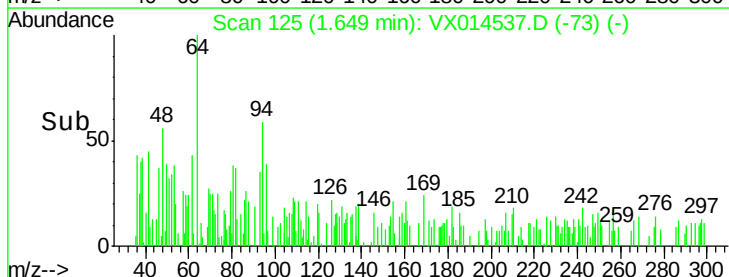
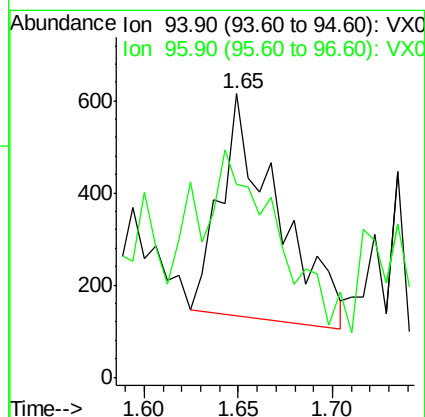
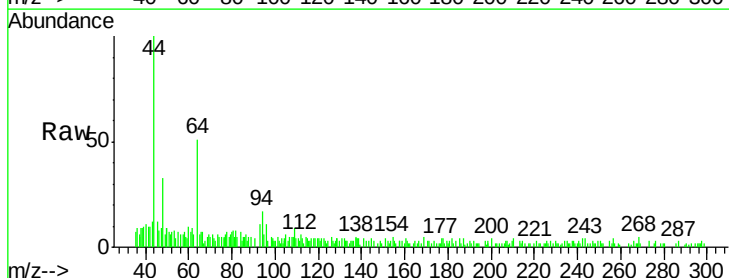
Acq: 10 Jan 2020 15:12

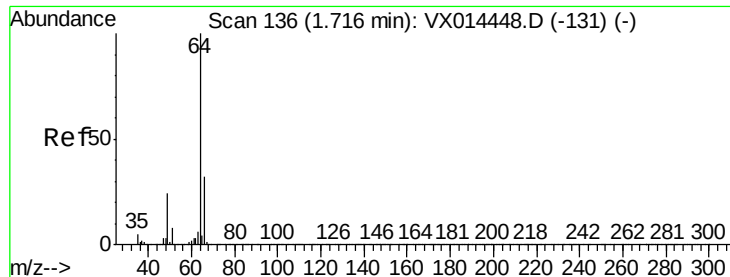
Tgt Ion: 94 Resp: 1015

Ion Ratio Lower Upper

94 100

96 50.0 74.2 111.2#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

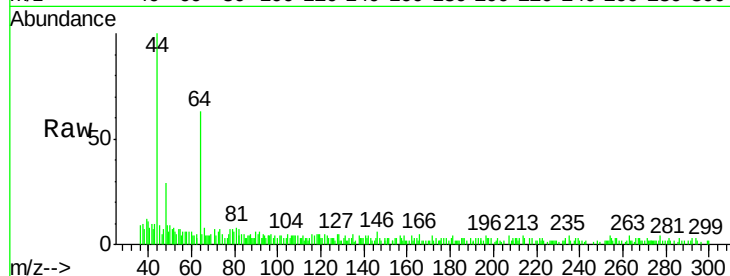
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 64 Resp: 525

Ion Ratio Lower Upper

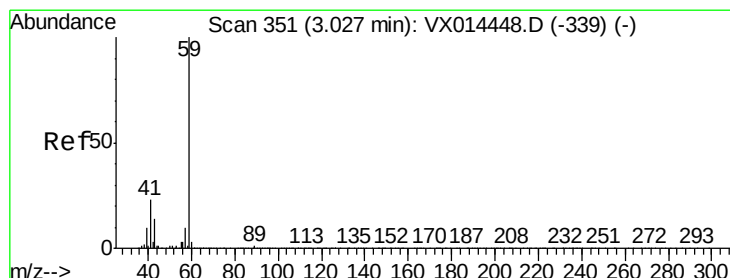
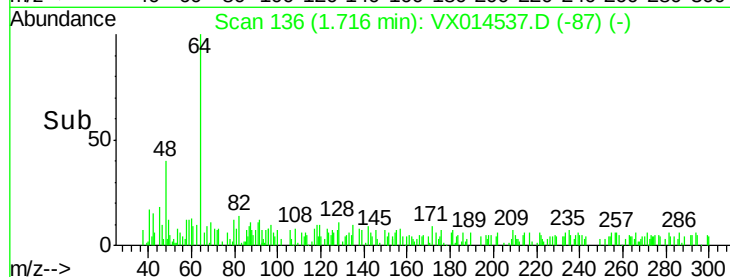
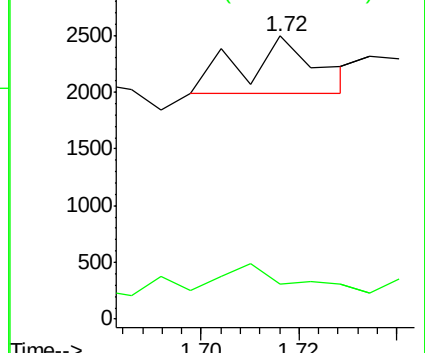
64 100

66 12.2 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.726 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014537.D

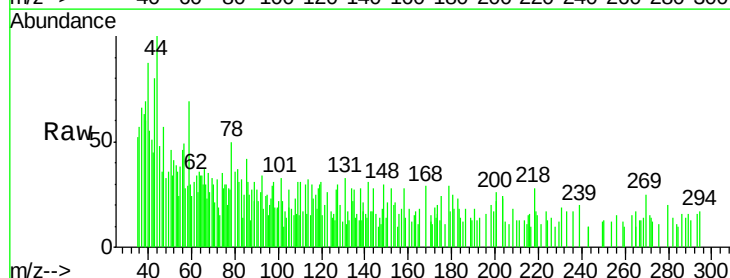
Acq: 10 Jan 2020 15:12

Tgt Ion: 59 Resp: 837

Ion Ratio Lower Upper

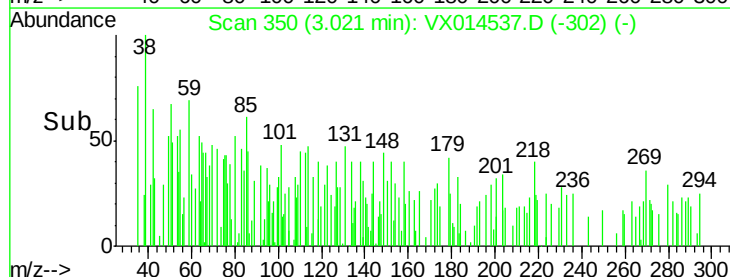
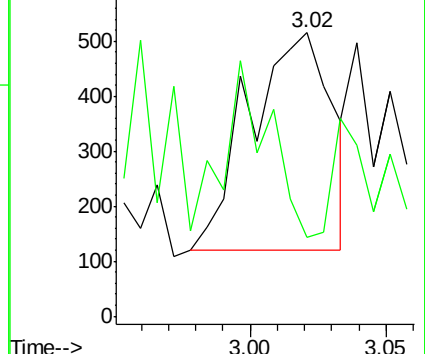
59 100

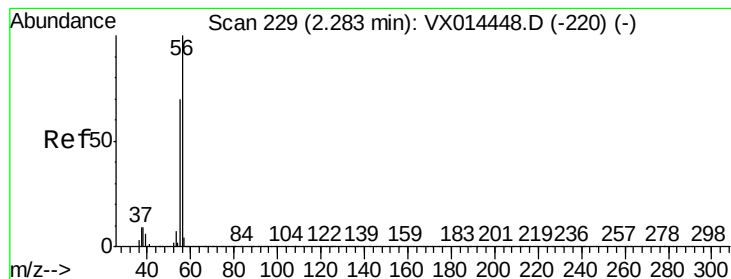
57 19.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.334 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

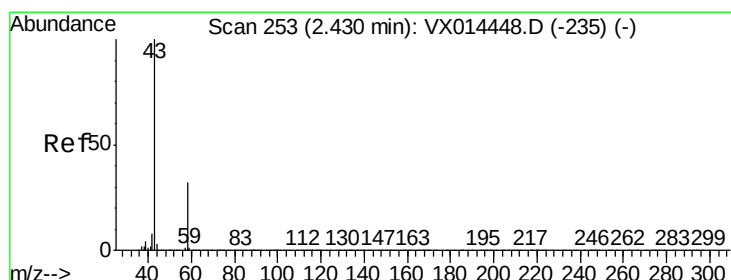
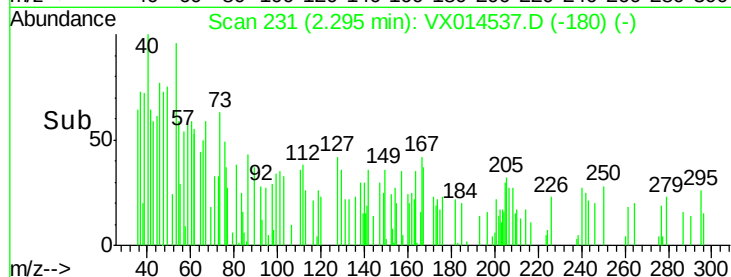
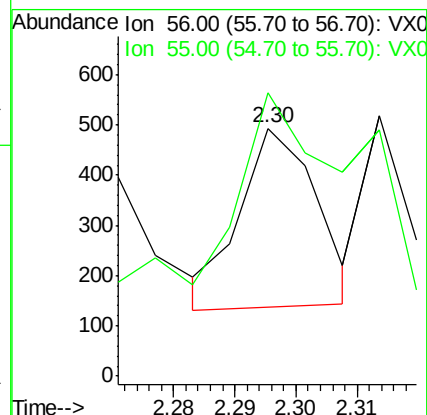
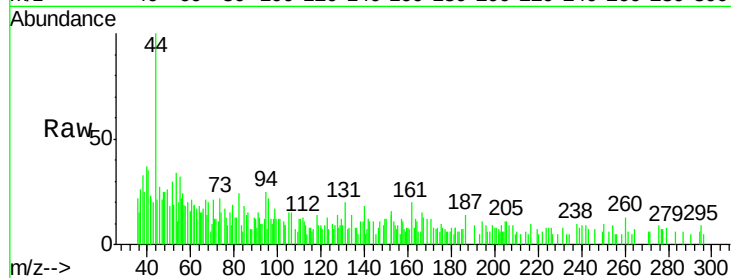
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 230.4 55.0 82.6#



#16

Acetone

Concen: 3.080 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014537.D

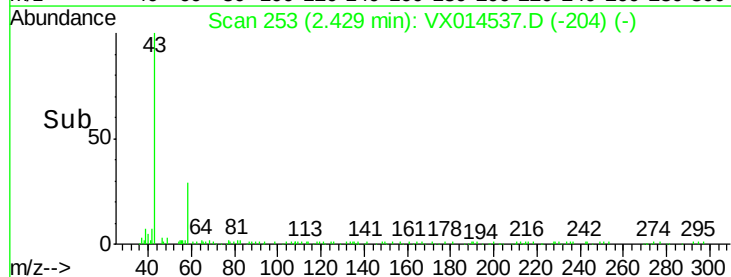
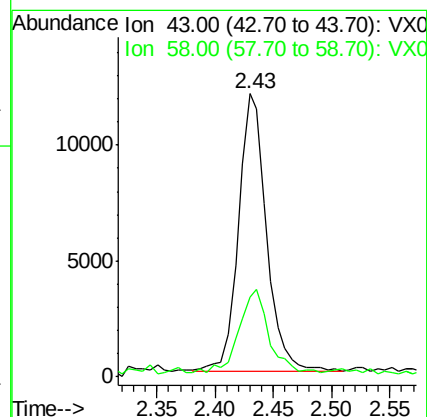
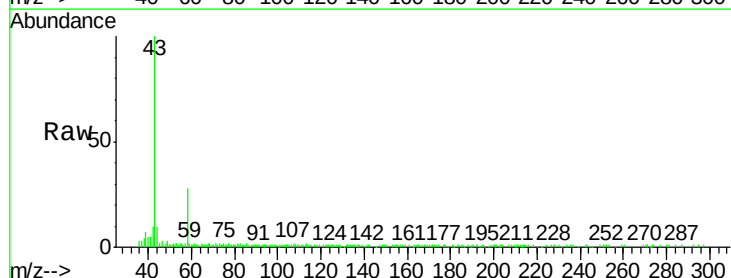
Acq: 10 Jan 2020 15:12

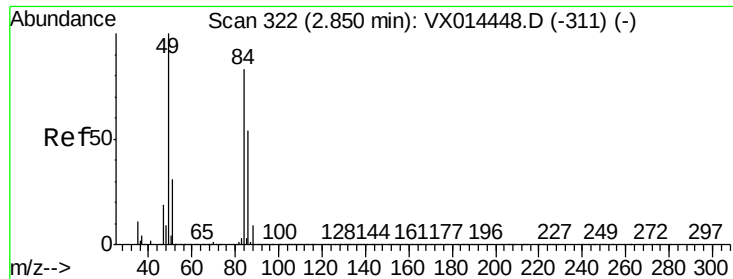
Tgt Ion: 43 Resp: 19955

Ion Ratio Lower Upper

43 100

58 27.3 25.4 38.0

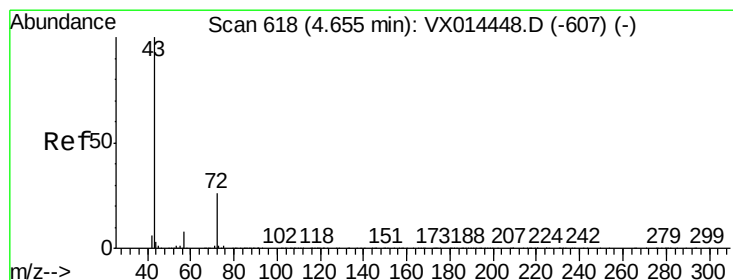
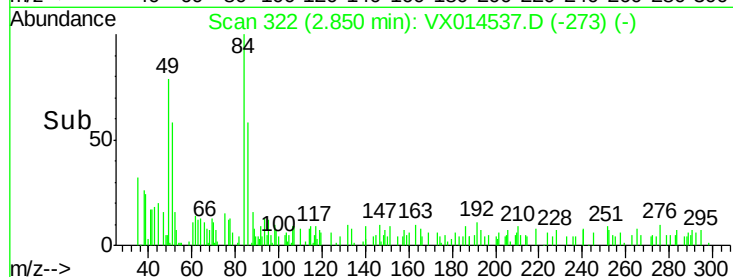
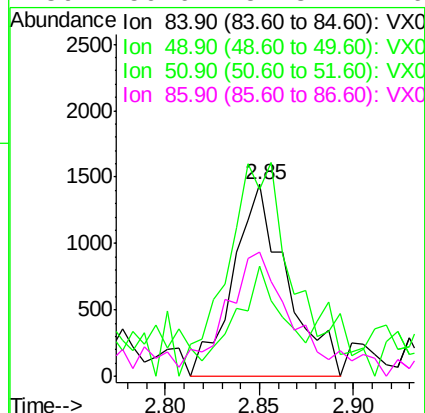
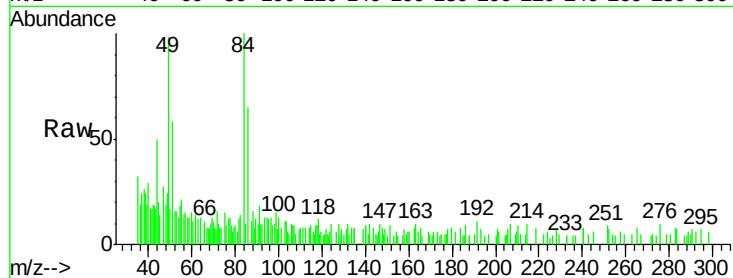




#20
Methylene Chloride
Concen: 0.515 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

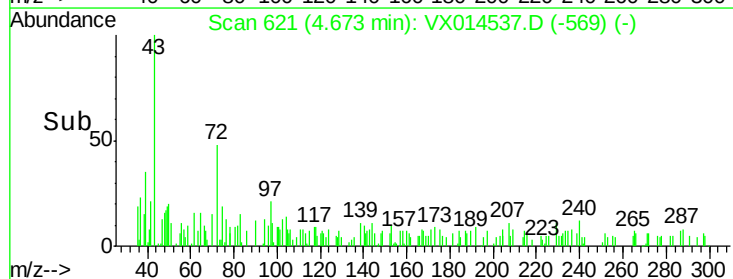
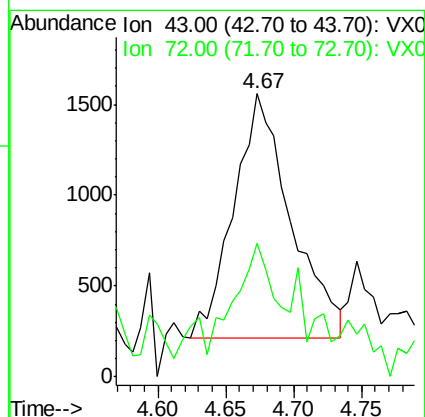
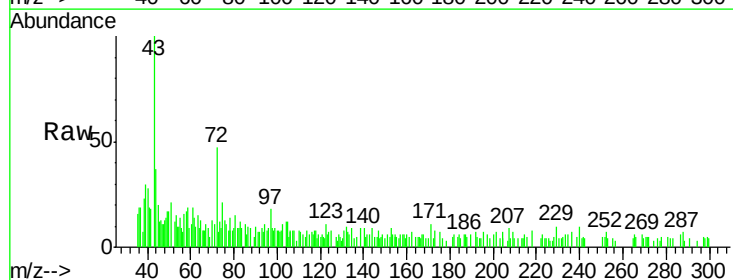
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

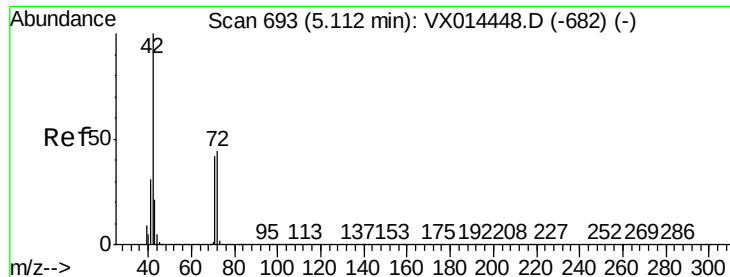
Tgt Ion:	84	Resp:	2862
Ion	Ratio	Lower	Upper
84	100		
49	81.1	95.8	143.8#
51	43.3	30.2	45.4
86	50.6	51.8	77.6#



#25
2-Butanone
Concen: 0.957 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

Tgt Ion:	43	Resp:	3948
Ion	Ratio	Lower	Upper
43	100		
72	37.5	20.6	31.0#





#29

Tetrahydrofuran

Concen: 1.078 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

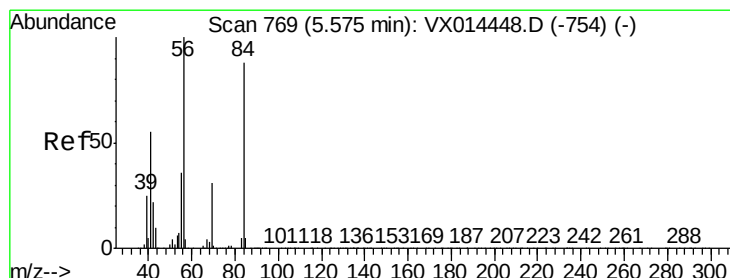
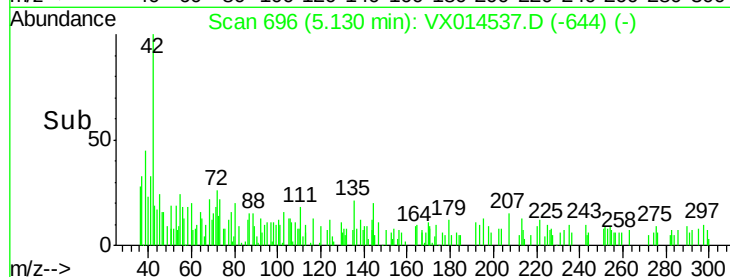
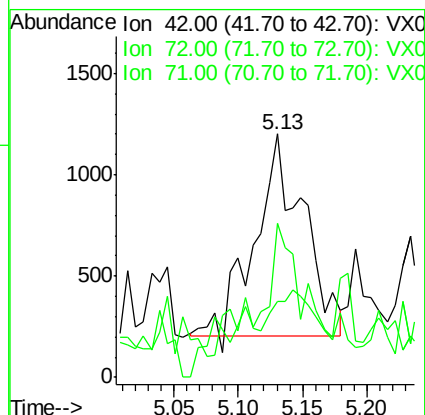
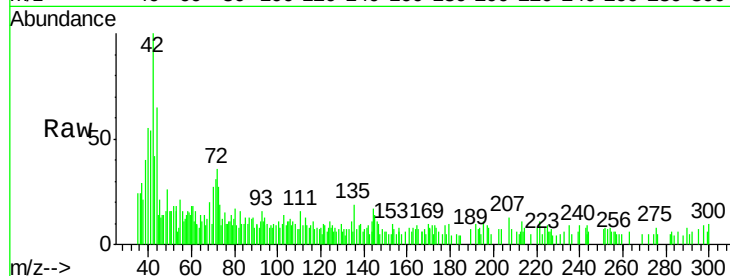
Tgt Ion: 42 Resp: 2630

Ion Ratio Lower Upper

42 100

72 46.8 36.2 54.4

71 25.3 34.1 51.1#



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.07 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

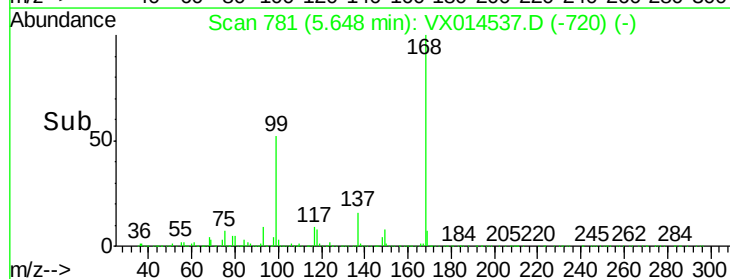
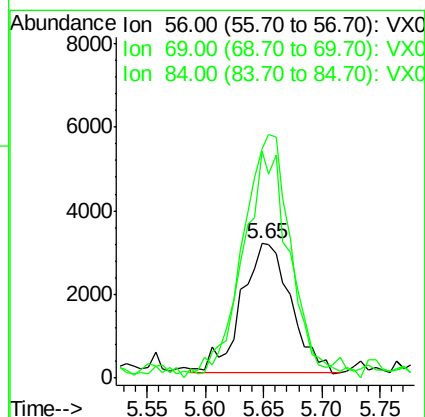
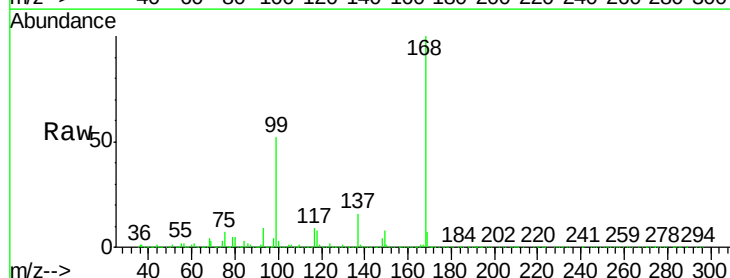
Tgt Ion: 56 Resp: 9052

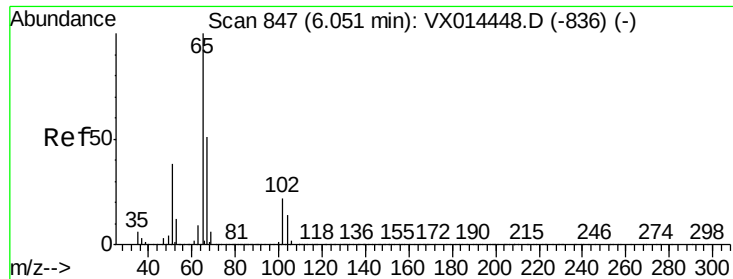
Ion Ratio Lower Upper

56 100

69 173.7 24.4 36.6#

84 168.7 70.6 106.0#





#33

1,2-Dichloroethane-d4

Concen: 49.685 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

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ClientSampleId :

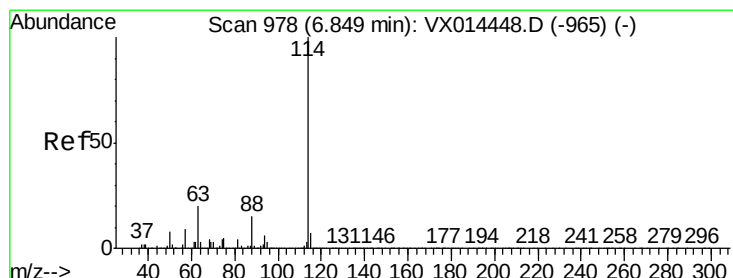
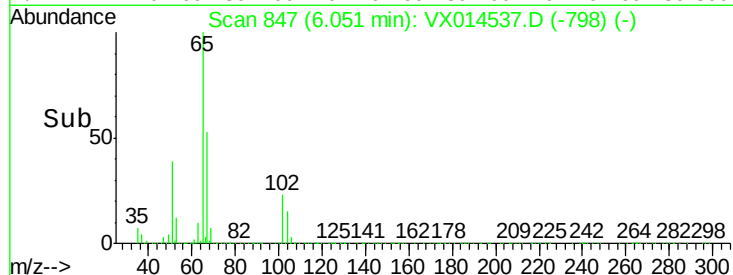
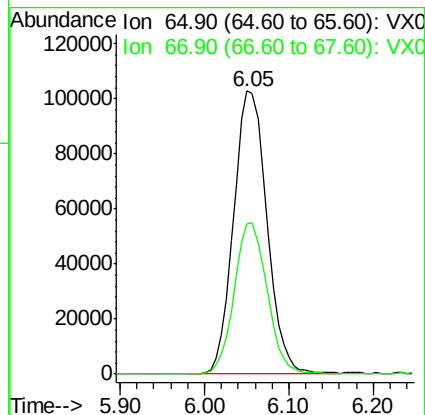
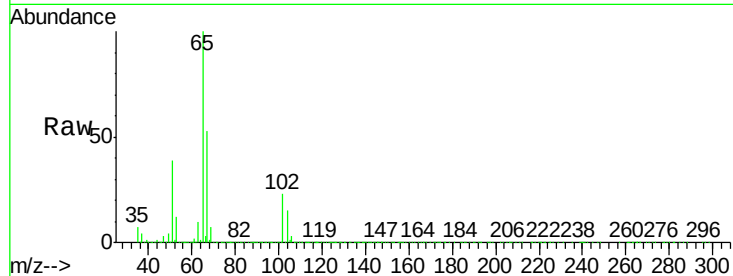
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 274357

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

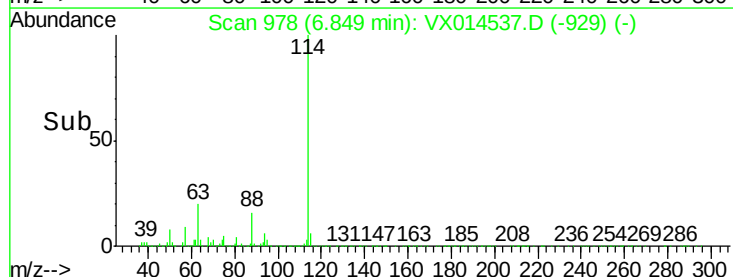
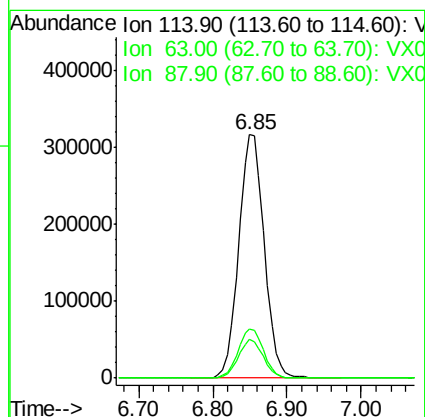
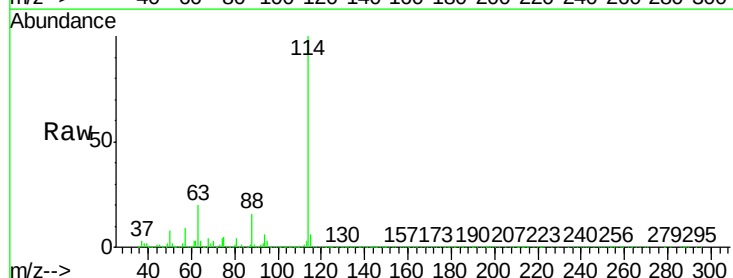
Tgt Ion: 114 Resp: 757741

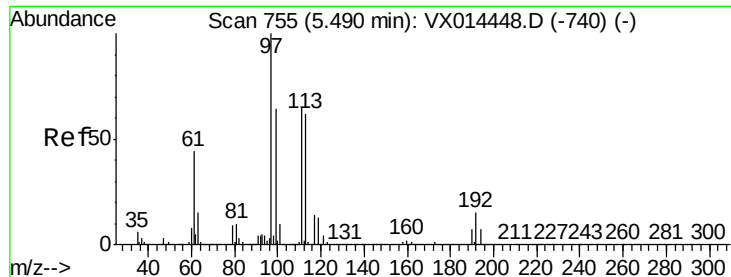
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.8 0.0 30.8

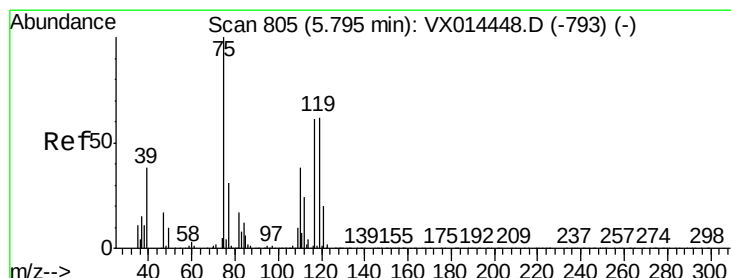
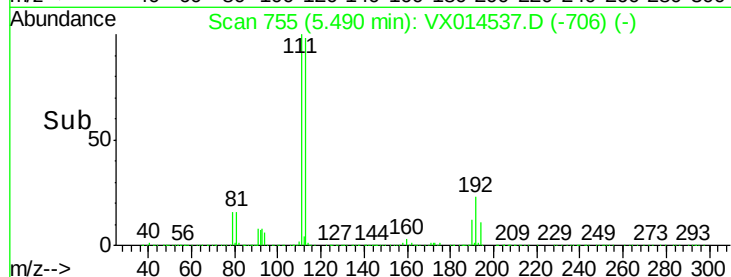
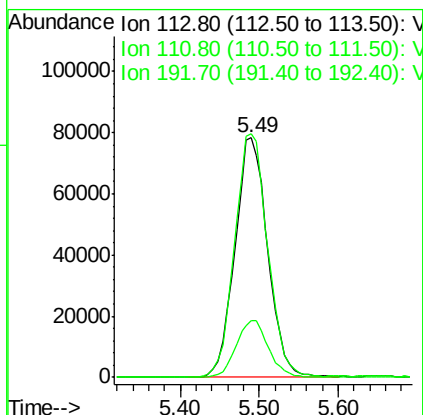
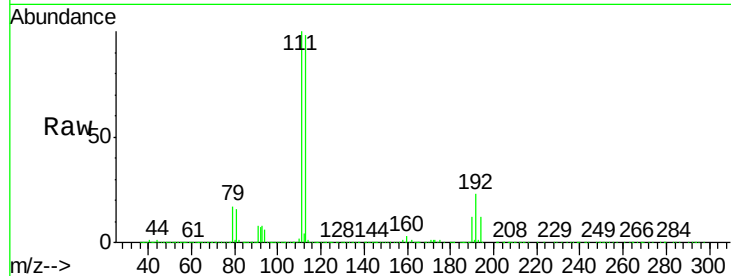




#35
 Dibromofluoromethane
 Concen: 49.280 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX014537.D
 Acq: 10 Jan 2020 15:12

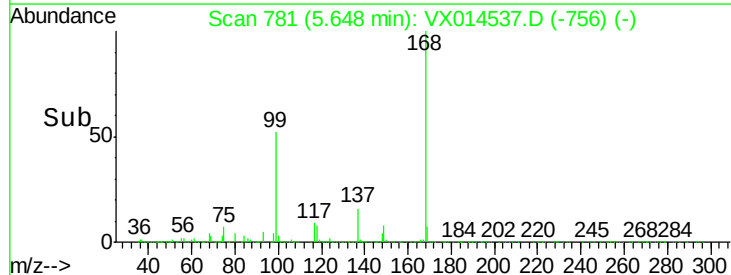
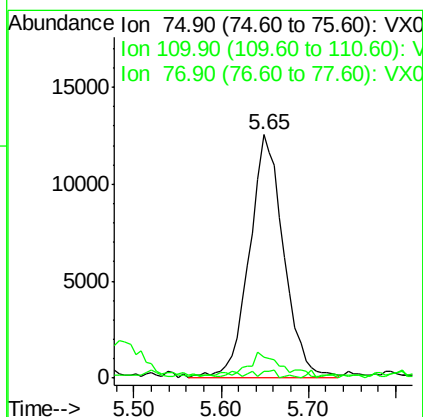
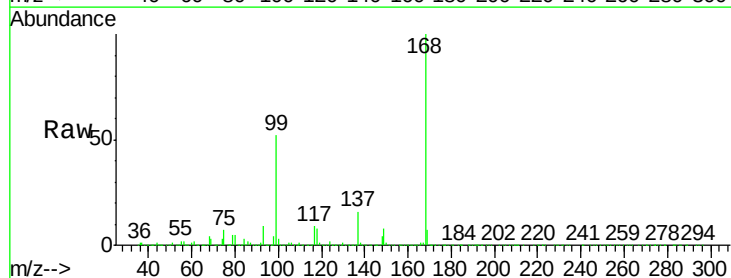
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

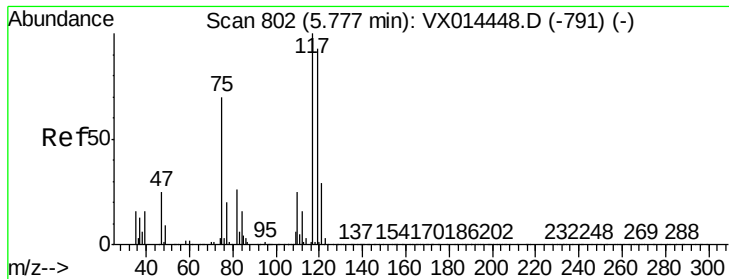
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	23.2	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014537.D
 Acq: 10 Jan 2020 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	55.8#
77	0.4	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

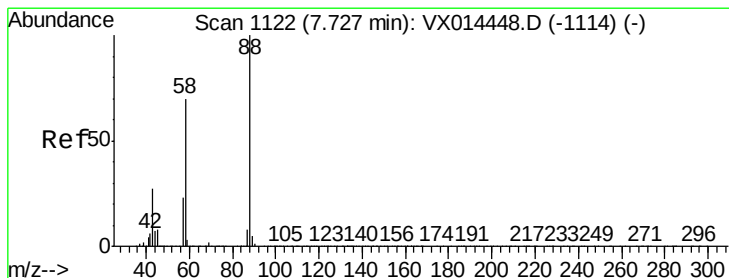
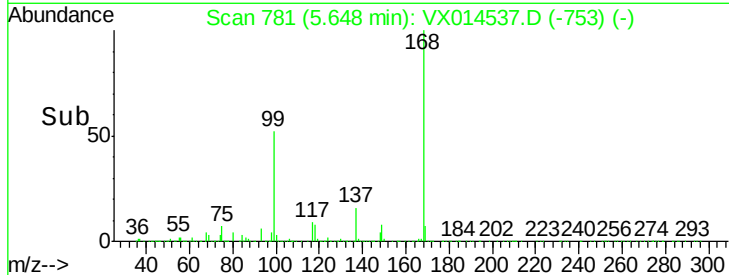
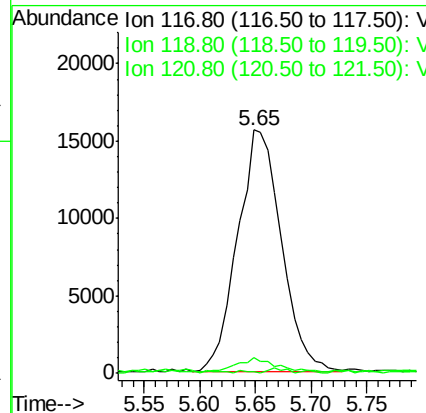
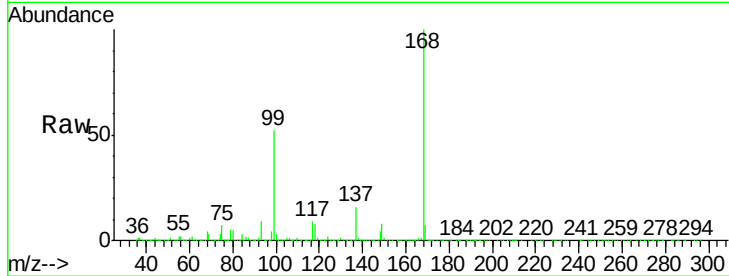
MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tgt Ion: 117 Resp: 43023

Ion	Ratio	Lower	Upper
117	100		
119	5.9	73.8	110.8#
121	0.0	23.4	35.0#



#49

1,4-Dioxane

Concen: 1.726 ug/l

RT: 7.74 min Scan# 1124

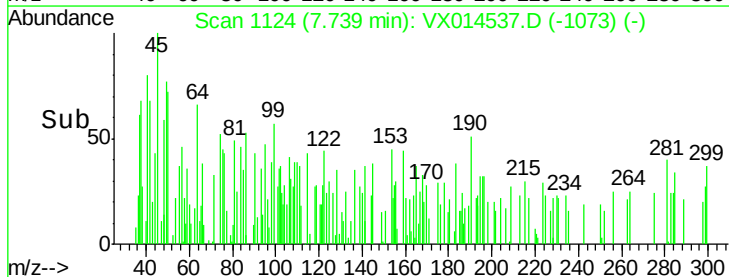
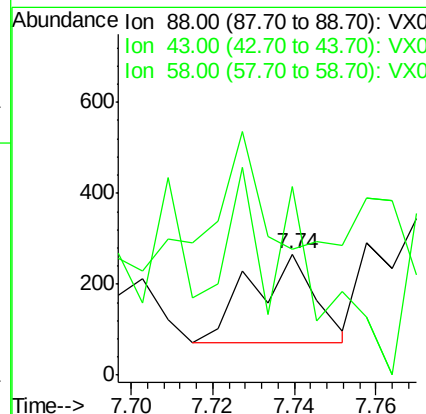
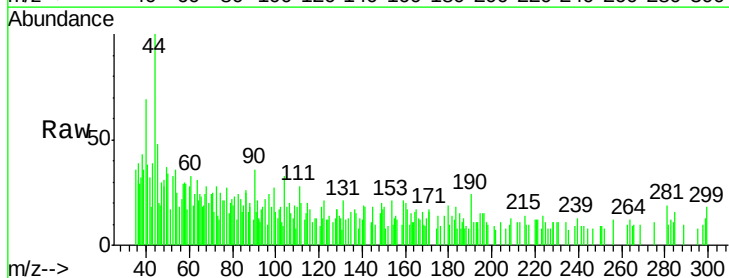
Delta R.T. 0.01 min

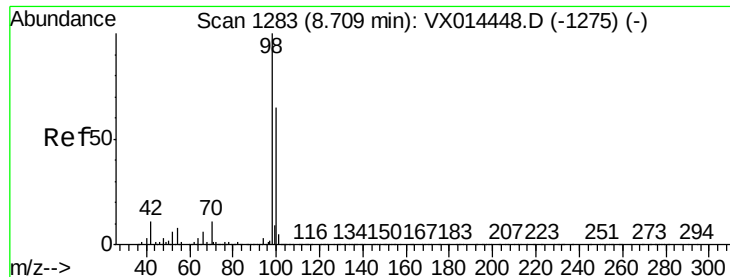
Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Tgt Ion: 88 Resp: 219

Ion	Ratio	Lower	Upper
88	100		
43	342.0	27.4	41.0#
58	239.7	57.1	85.7#

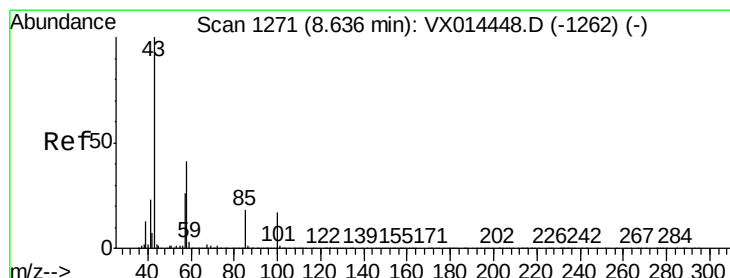
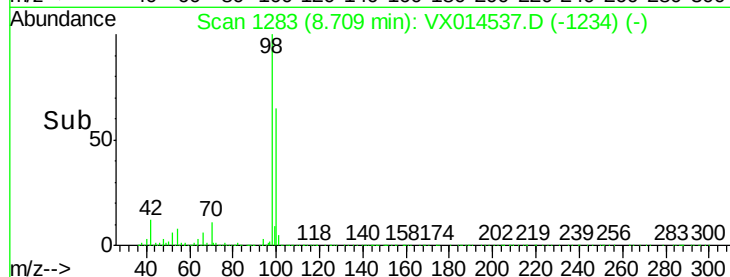
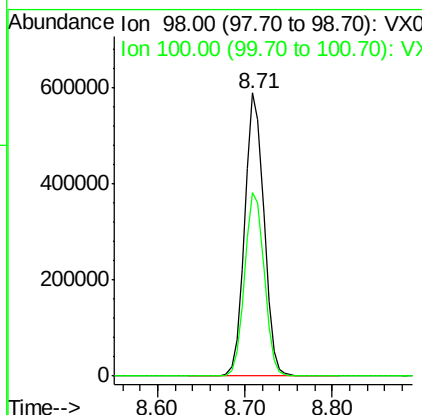
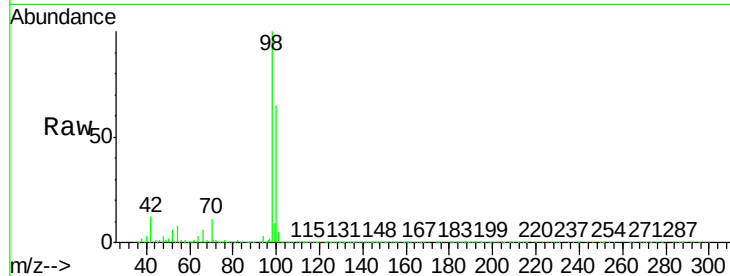




#50
Toluene-d8
Concen: 50.388 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

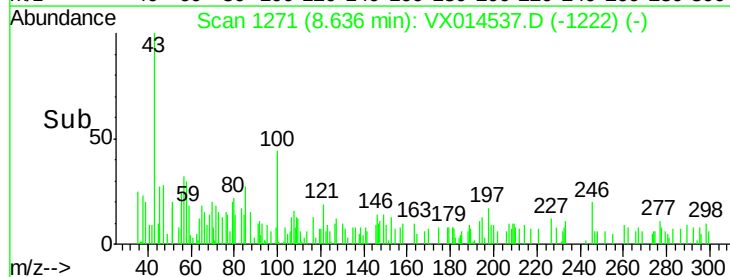
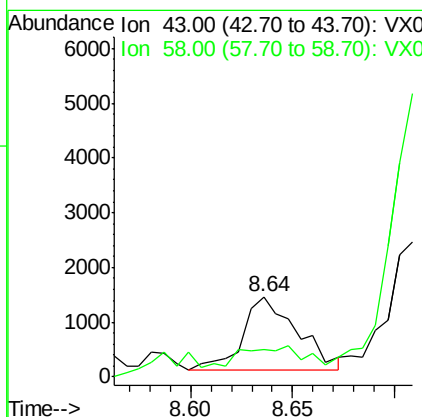
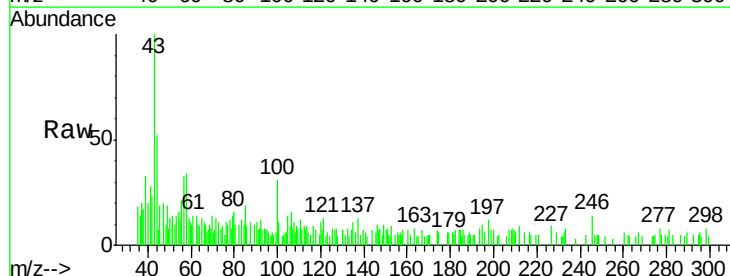
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

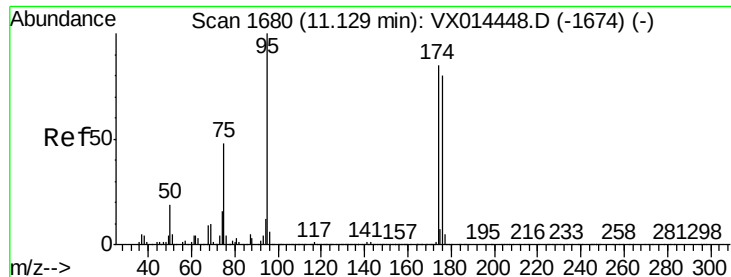
Tgt Ion: 98 Resp: 896920
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 0.323 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 43 Resp: 2459
Ion Ratio Lower Upper
43 100
58 44.4 32.4 48.6





#62

4-Bromofluorobenzene

Concen: 46.625 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

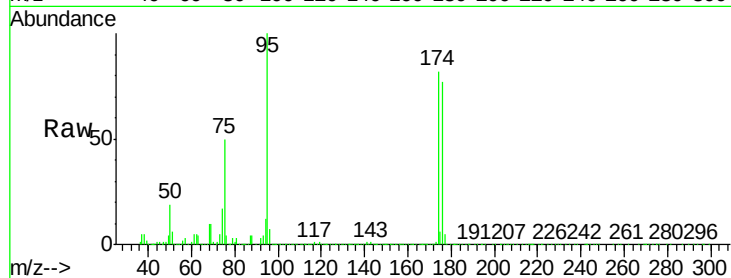
Tgt Ion: 95 Resp: 304684

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

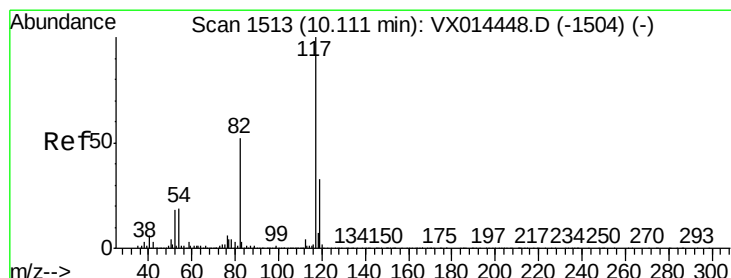
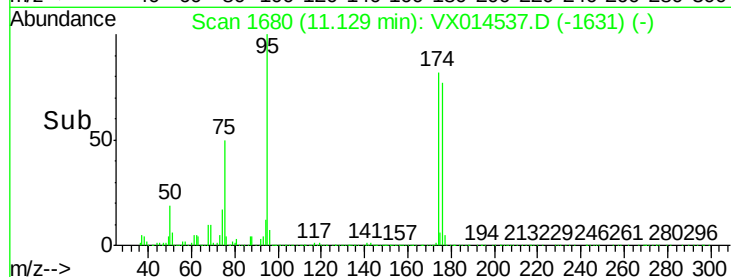
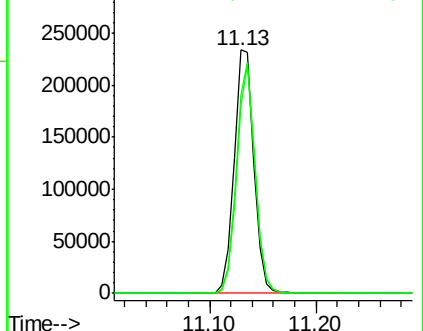
176 86.3 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX014448.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX014448.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX014448.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

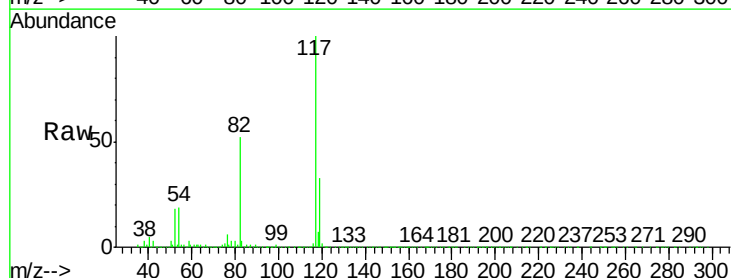
Tgt Ion: 117 Resp: 684124

Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.6

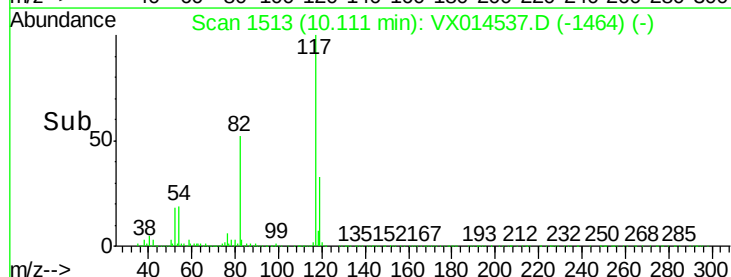
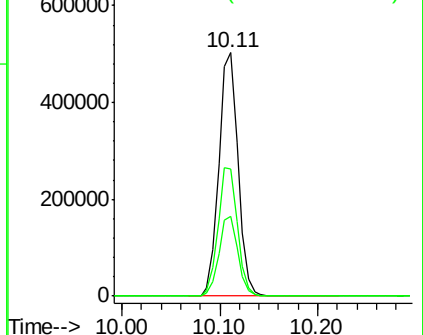
119 32.5 26.2 39.4

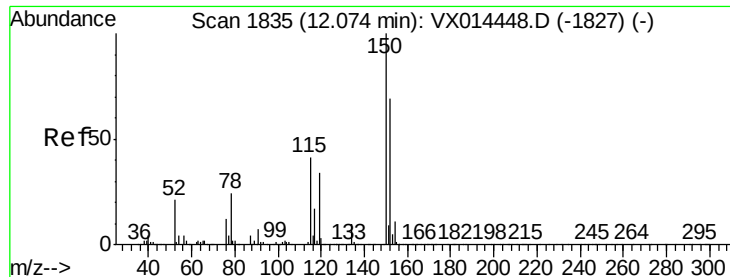


Abundance Ion 116.90 (116.60 to 117.60): VX014448.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014448.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014448.D (-1504) (-)



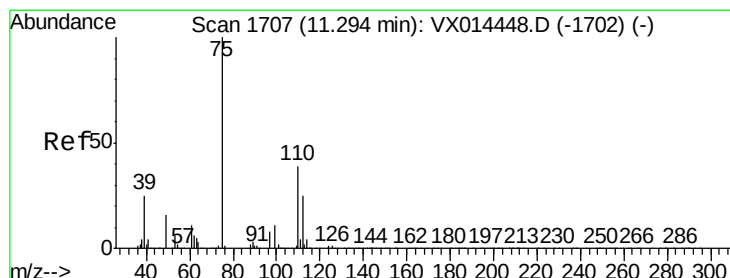
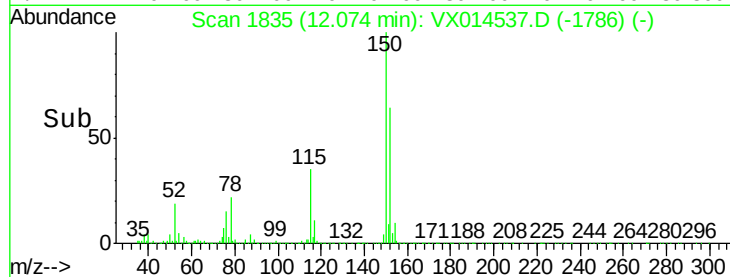
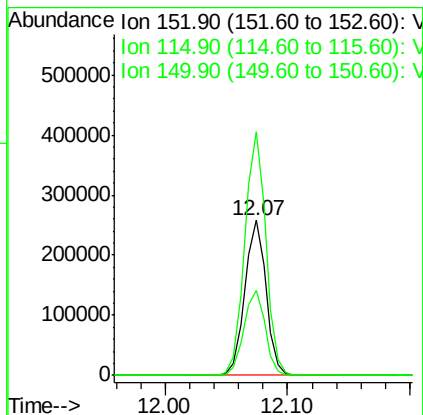
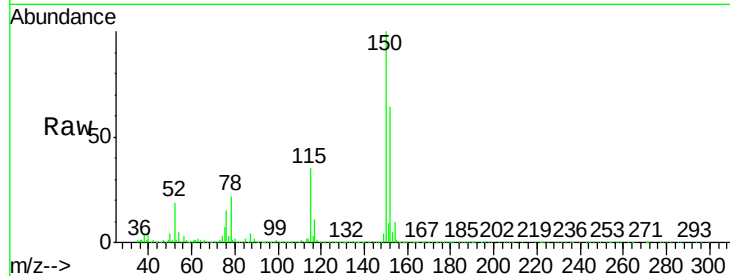


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

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

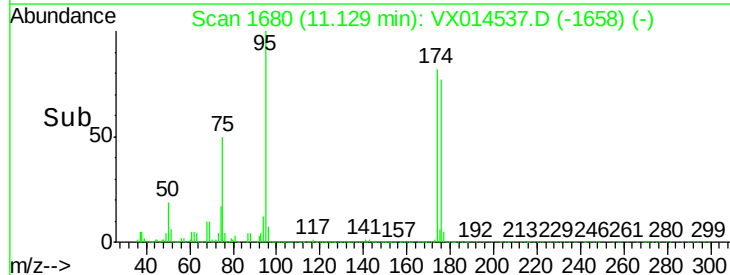
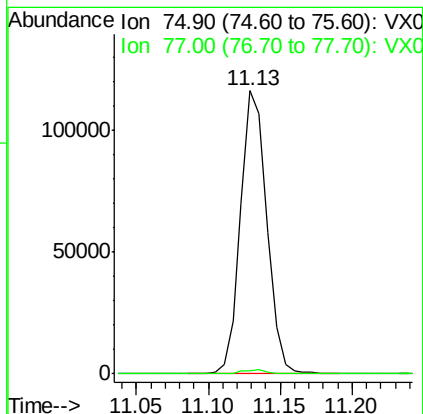
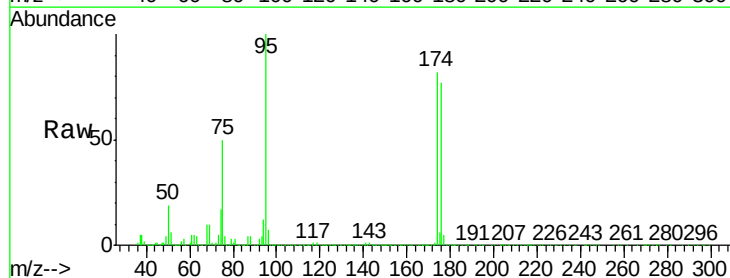
Tgt Ion: 152 Resp: 310116
Ion Ratio Lower Upper
152 100
115 55.2 39.5 118.3
150 155.9 0.0 350.2

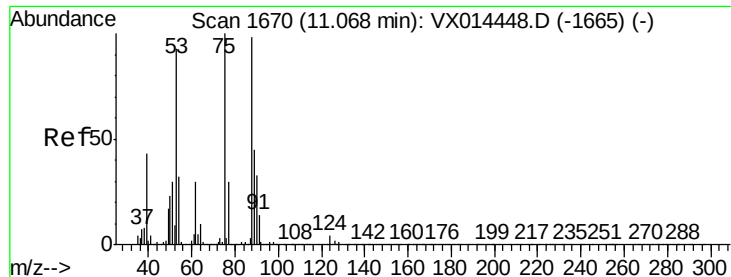


#76

1,2,3-Trichloropropane
Concen: 23.063 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014537.D
Acq: 10 Jan 2020 15:12

Tgt Ion: 75 Resp: 147981
Ion Ratio Lower Upper
75 100
77 1.7 21.9 65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.974 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

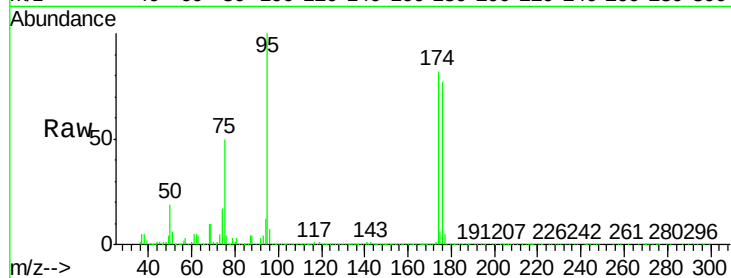
Tgt Ion: 75 Resp: 147981

Ion Ratio Lower Upper

75 100

53 0.6 74.8 112.2#

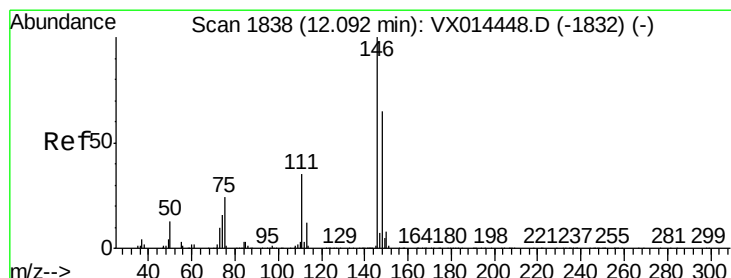
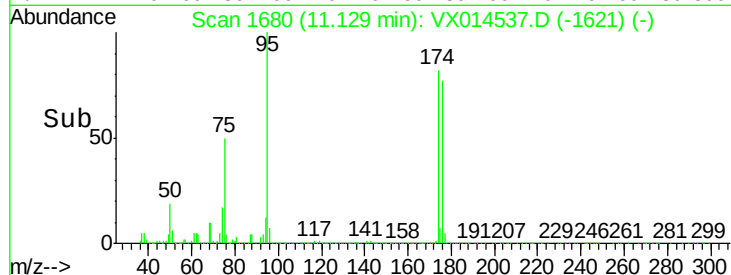
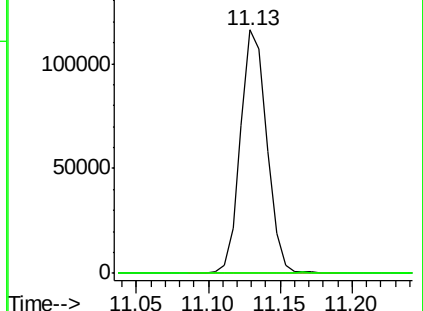
89 0.1 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.26 min Scan# 1866

Delta R.T. 0.17 min

Lab File: VX014537.D

Acq: 10 Jan 2020 15:12

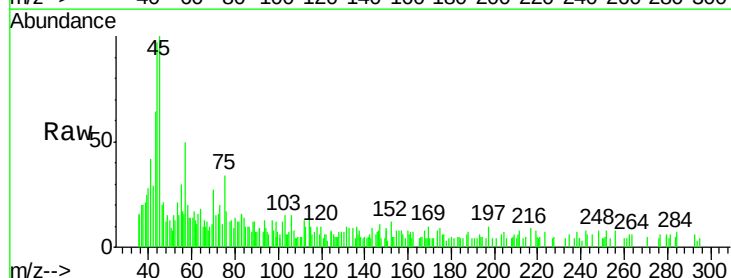
Tgt Ion: 146 Resp: 493

Ion Ratio Lower Upper

146 100

111 35.7 18.1 54.1

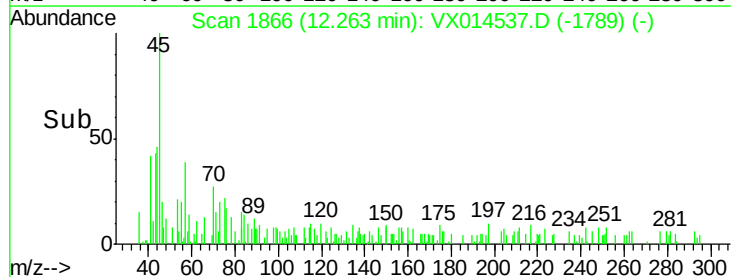
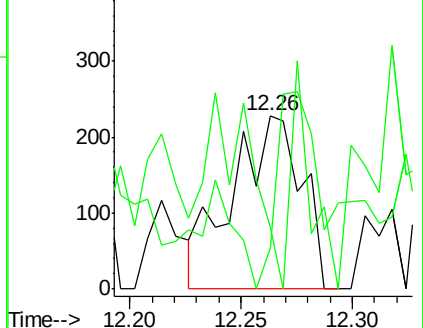
148 71.8 32.1 96.3

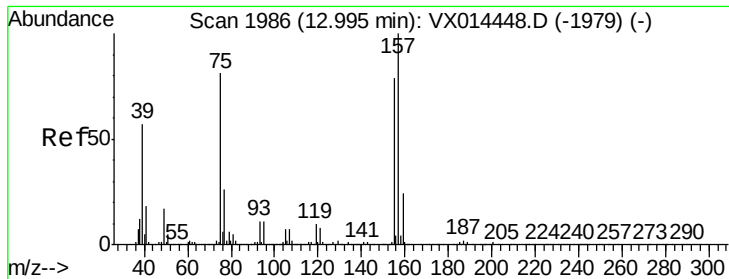


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

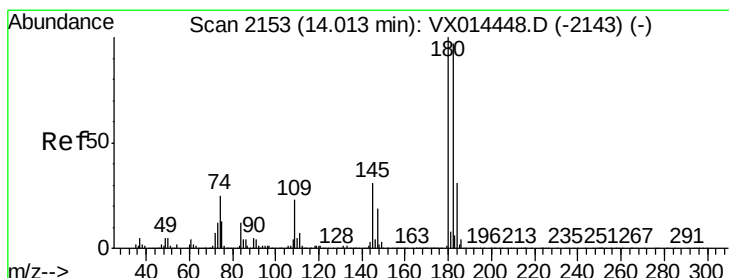
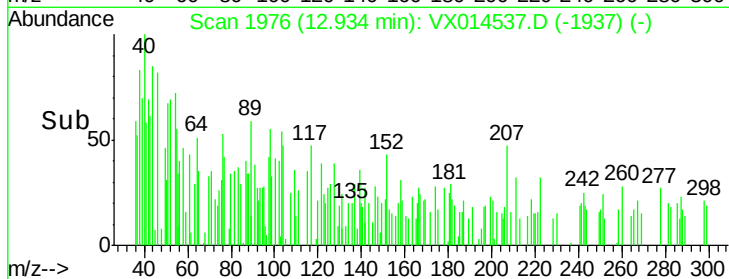
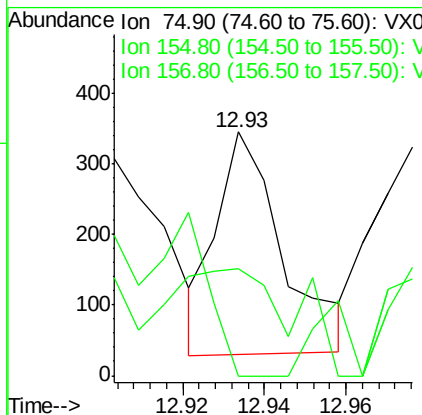
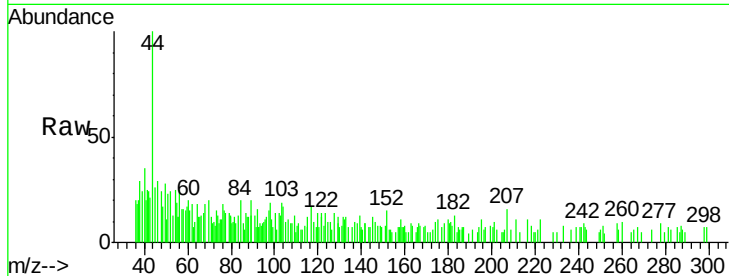




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.227 ug/l
 RT: 12.93 min Scan# 1976
 Delta R.T. -0.06 min
 Lab File: VX014537.D
 Acq: 10 Jan 2020 15:12

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

Tgt Ion: 75 Resp: 356
 Ion Ratio Lower Upper
 75 100
 155 90.4 48.7 146.1
 157 88.2 62.0 185.9



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014537.D
 Acq: 10 Jan 2020 15:12

Tgt Ion: 180 Resp: 386
 Ion Ratio Lower Upper
 180 100
 182 146.1 47.9 143.6#
 145 0.0 14.8 44.3#

