

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111919\
 Data File : VX013457.D
 Acq On : 19 Nov 2019 11:34
 Operator : JC/SP
 Sample : K5909-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 19 16:12:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	702947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1131651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1005145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	438410	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	413890	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.49	113	345172	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	1358758	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.14	95	440514	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

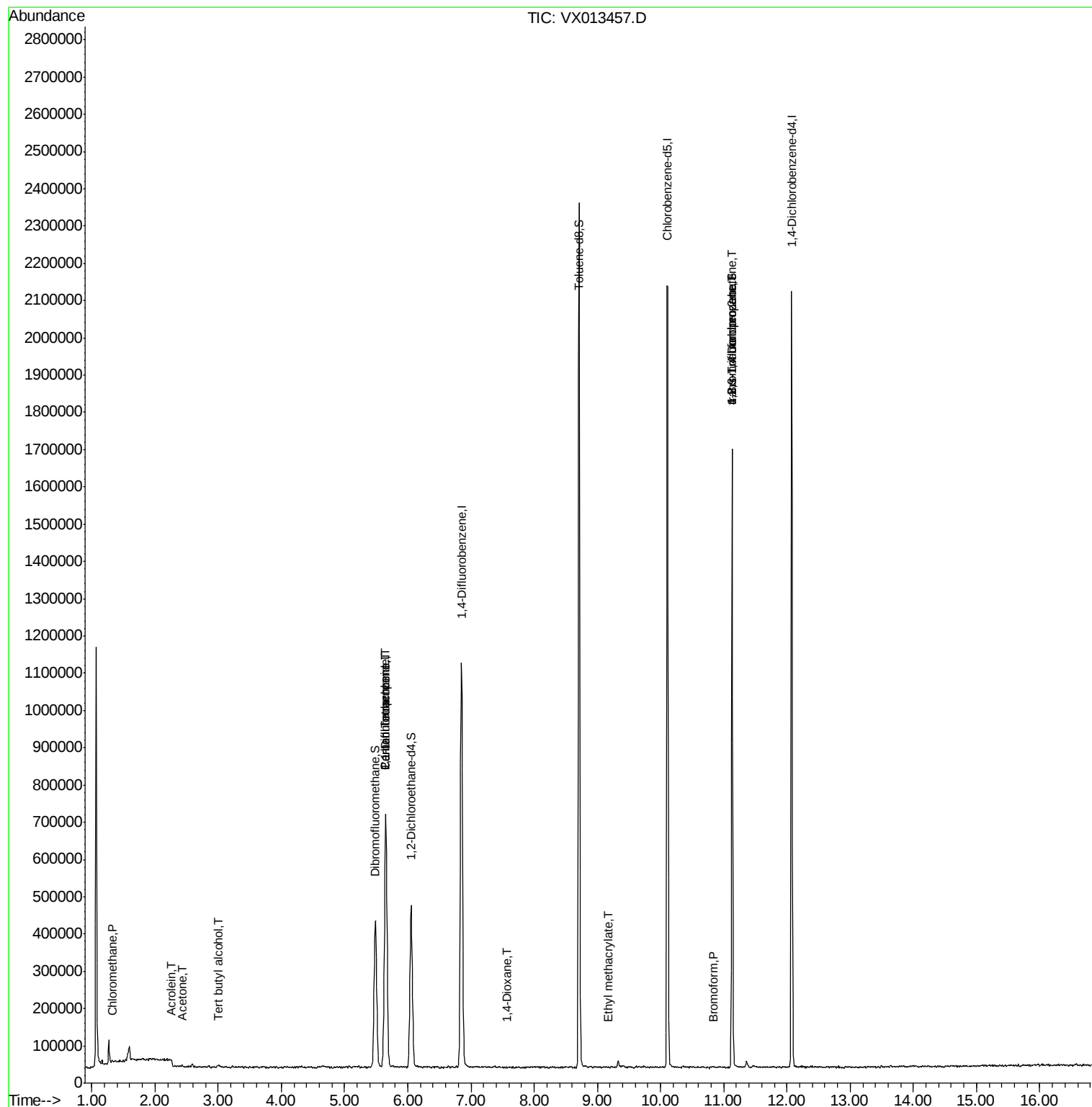
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2039	0.232	ug/l #	72
6) Chloroethane	1.72	64	1268	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	3869	1.763	ug/l #	89
13) Acrolein	2.26	56	1706	1.434	ug/l #	14
16) Acetone	2.43	43	4423	1.065	ug/l #	73
36) 1,1-Dichloropropene	5.65	75	47183	4.860	ug/l #	52
38) Carbon Tetrachloride	5.65	117	61343	6.462	ug/l #	17
49) 1,4-Dioxane	7.57	88	537	2.515	ug/l	90
56) Ethyl methacrylate	9.18	69	1050	1.640	ug/l #	39
71) Bromoform	10.84	173	166	3.225	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	216241	24.284	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	216241	62.506	ug/l #	10

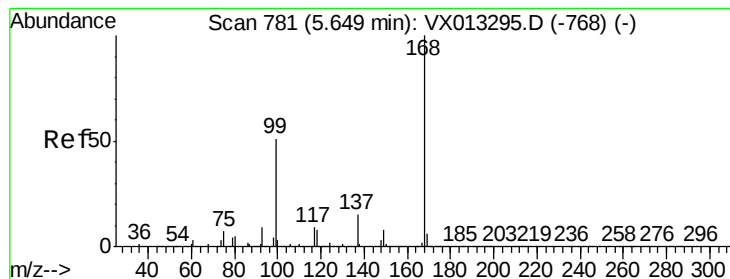
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

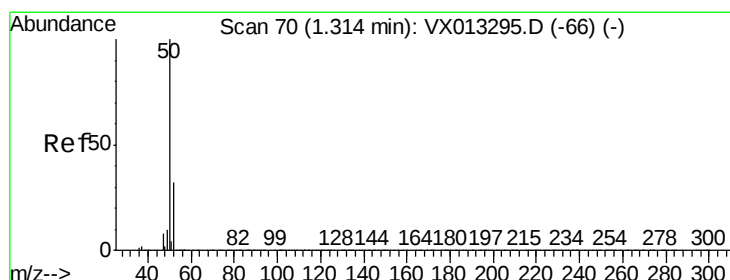
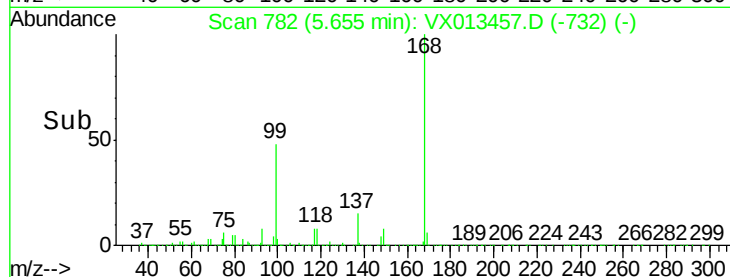
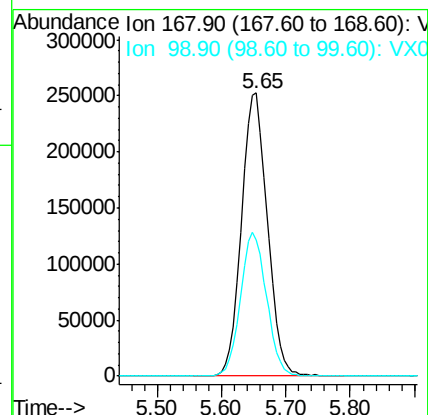
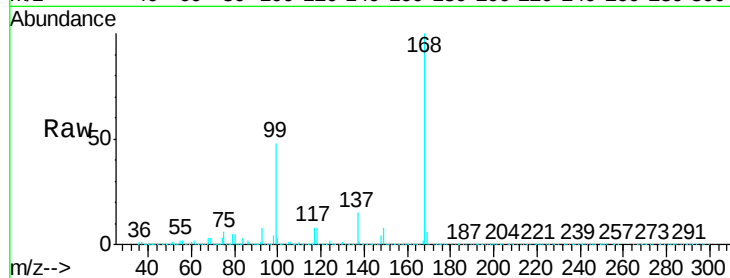
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 702947

Ion Ratio Lower Upper

168 100

99 48.1 40.8 61.2



#3

Chloromethane

Concen: 0.232 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013457.D

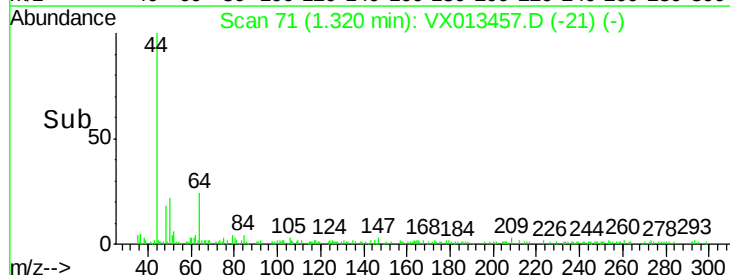
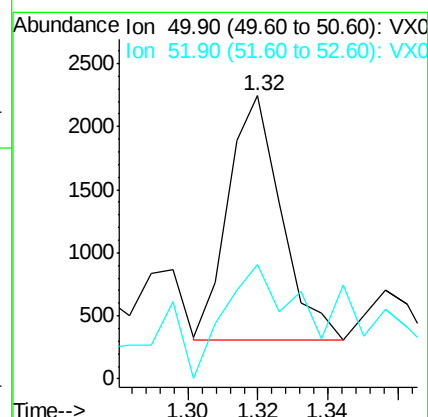
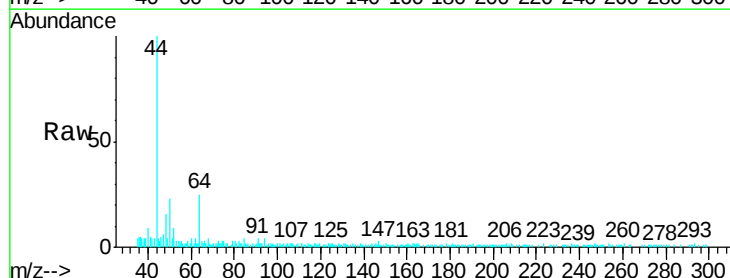
Acq: 19 Nov 2019 11:34

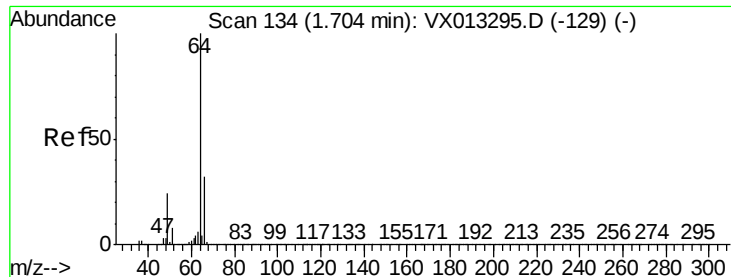
Tgt Ion: 50 Resp: 2039

Ion Ratio Lower Upper

50 100

52 47.3 25.5 38.3#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

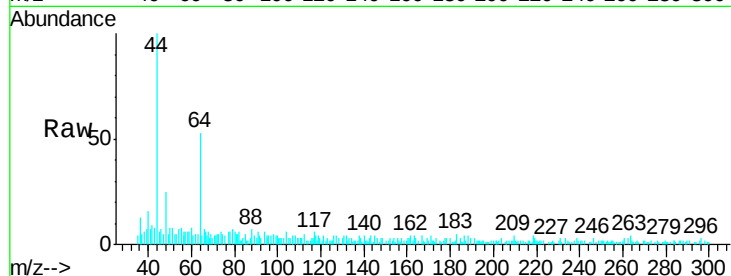
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 64 Resp: 1268

Ion Ratio Lower Upper

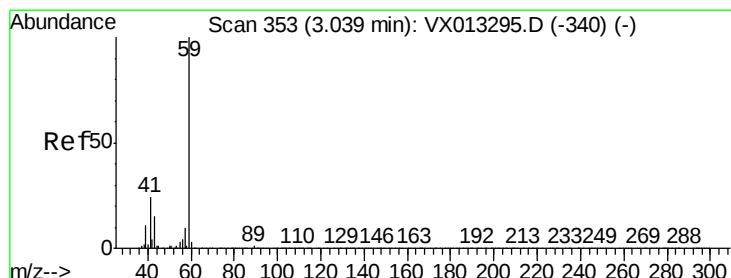
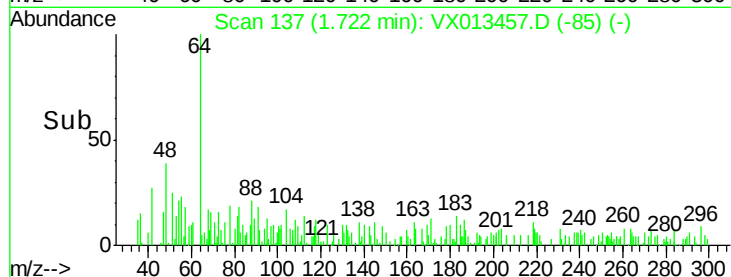
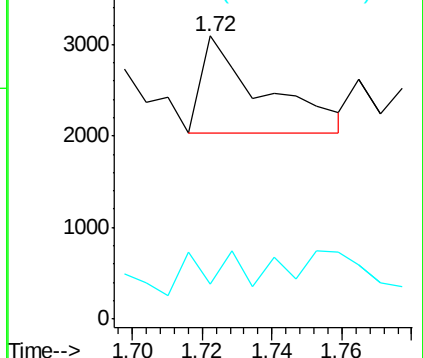
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.763 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013457.D

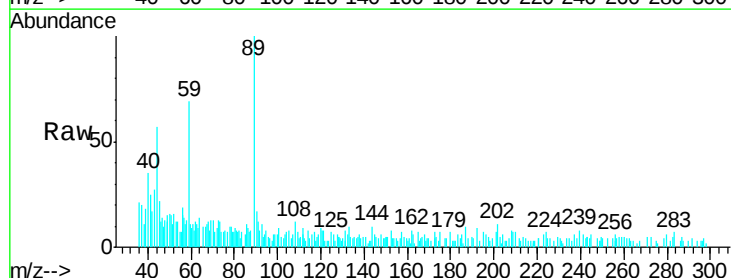
Acq: 19 Nov 2019 11:34

Tgt Ion: 59 Resp: 3869

Ion Ratio Lower Upper

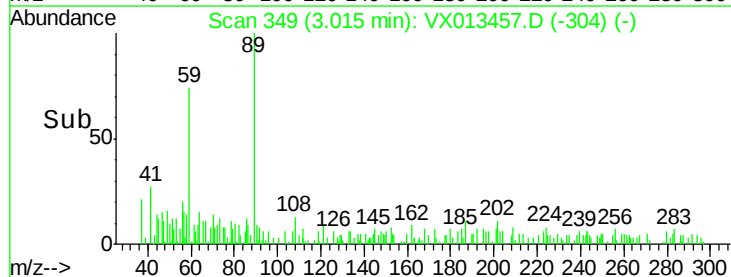
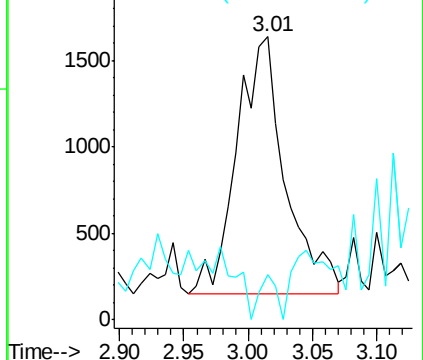
59 100

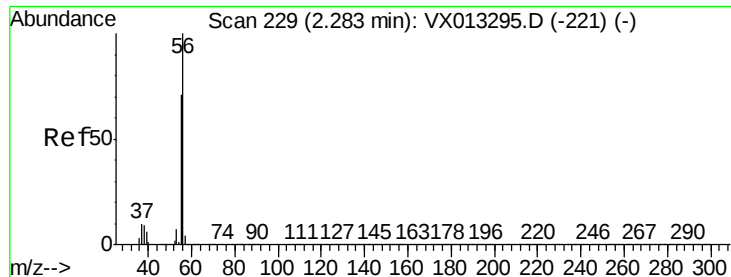
57 5.8 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.434 ug/l

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

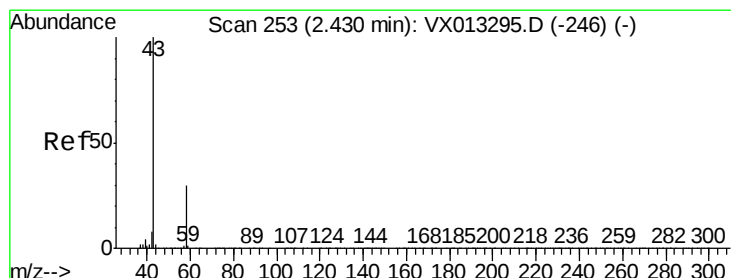
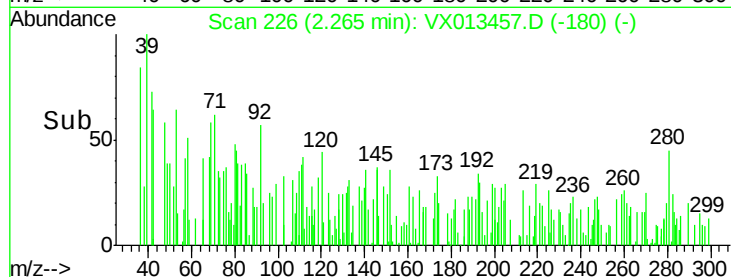
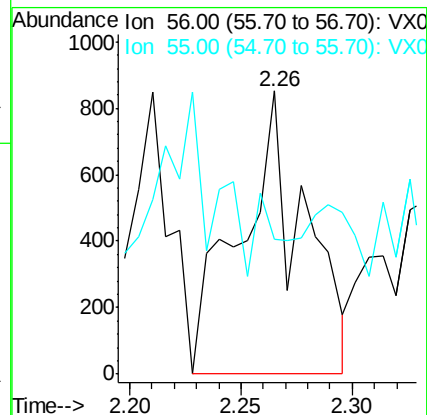
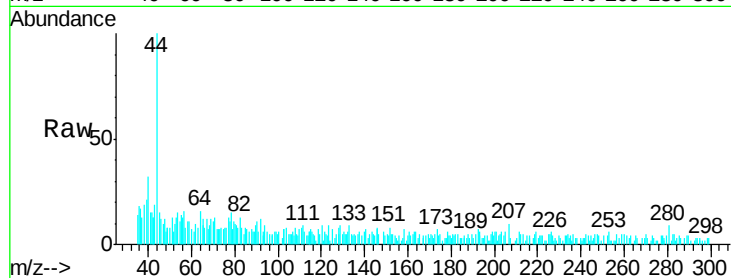
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 56 Resp: 1706

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



#16

Acetone

Concen: 1.065 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013457.D

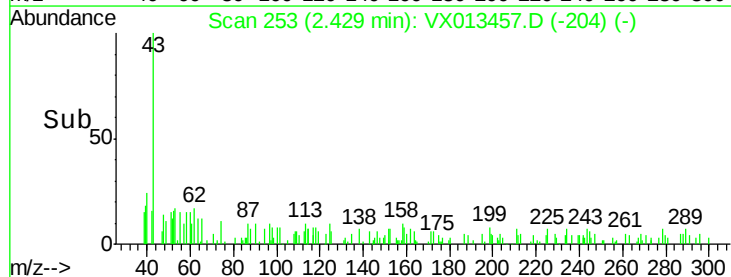
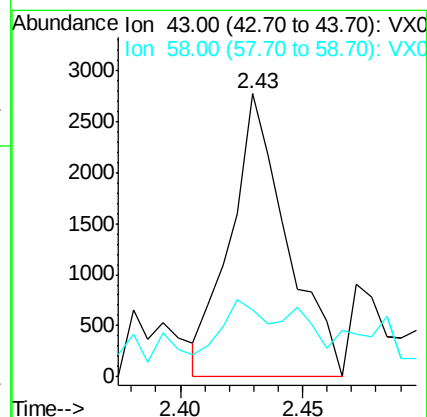
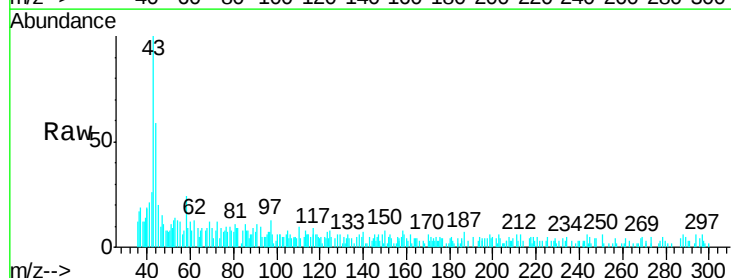
Acq: 19 Nov 2019 11:34

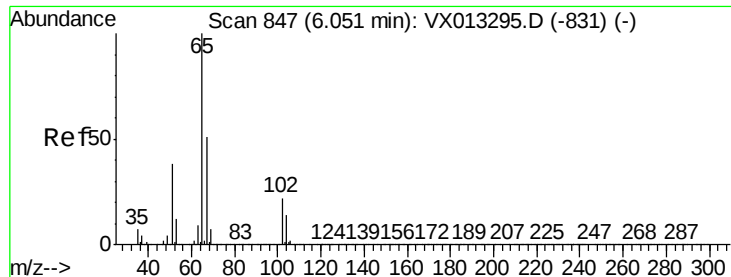
Tgt Ion: 43 Resp: 4423

Ion Ratio Lower Upper

43 100

58 15.8 24.3 36.5#





#33

1,2-Dichloroethane-d4

Concen: 49.700 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

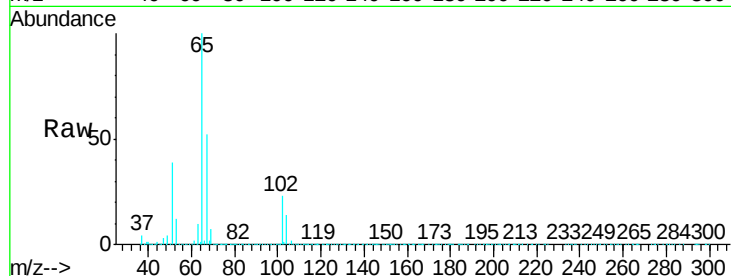
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 65 Resp: 413890

Ion Ratio Lower Upper

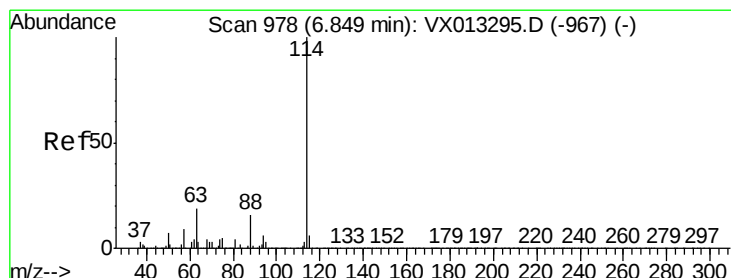
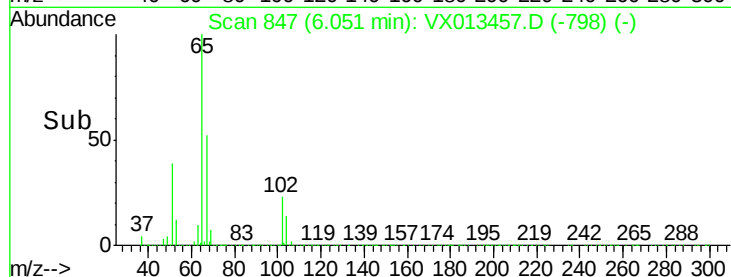
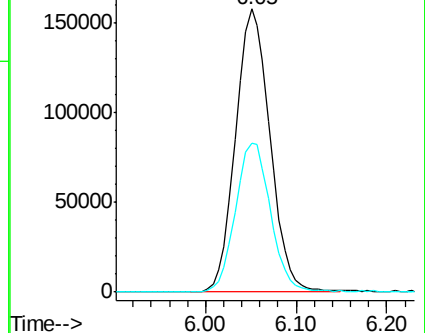
65 100

67 52.9 0.0 104.2



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: VX013457.D

Acq: 19 Nov 2019 11:34

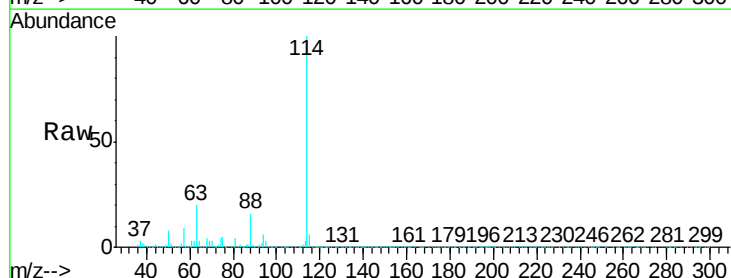
Tgt Ion: 114 Resp: 1131651

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

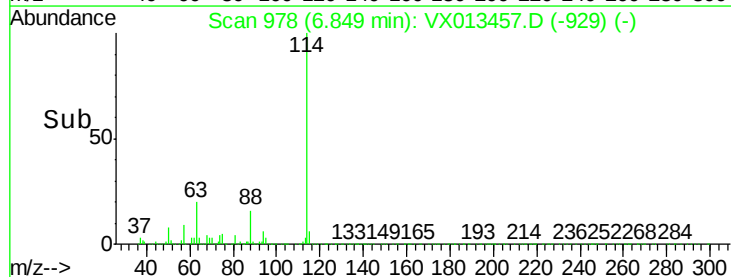
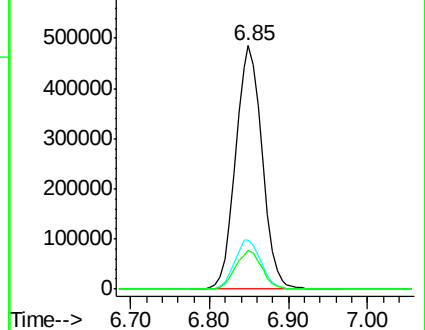
88 15.8 0.0 32.2

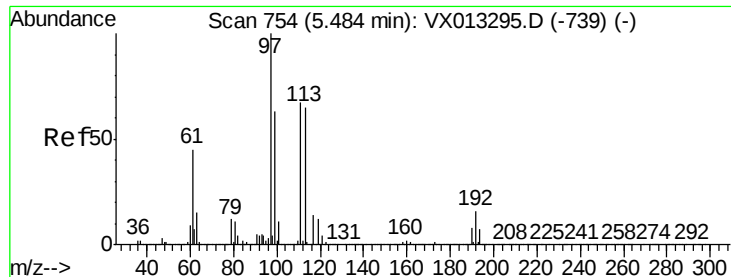


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.630 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

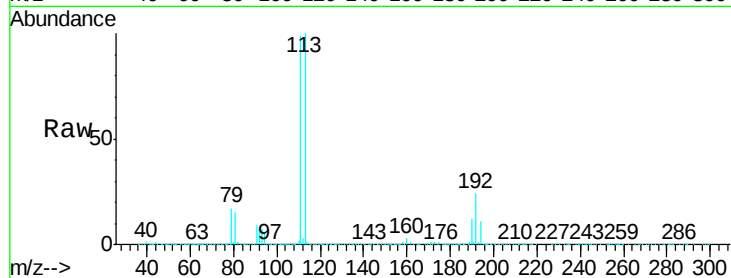
Tgt Ion:113 Resp: 345172

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 23.4 19.1 28.7

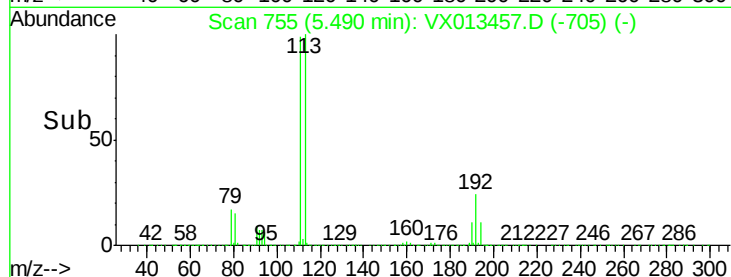


Abundance Ion 112.80 (112.50 to 113.50): V

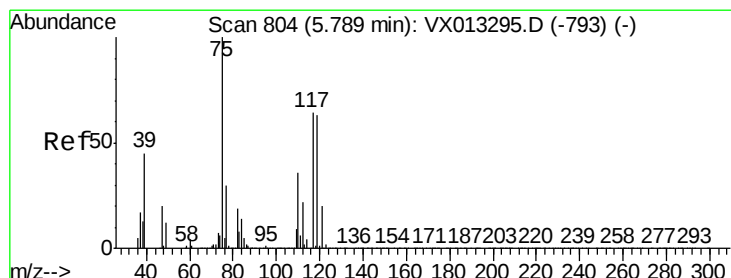
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.49



Time--> 5.30 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 4.860 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

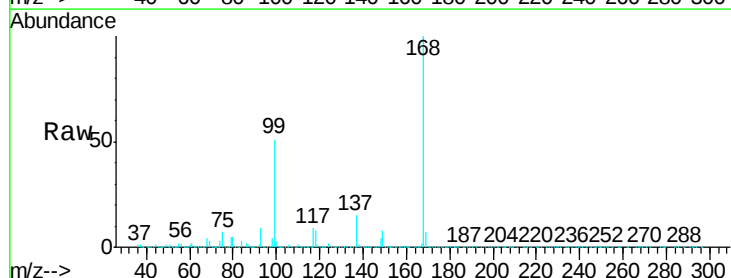
Tgt Ion: 75 Resp: 47183

Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.1#

77 0.4 25.0 37.4#

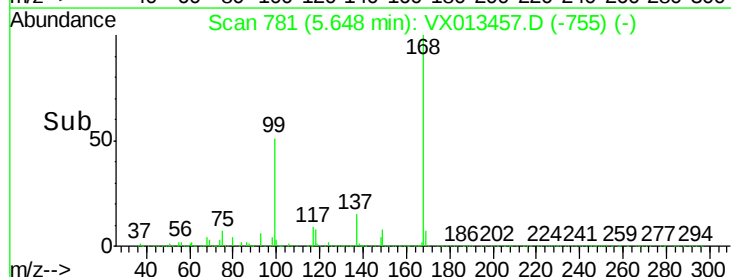


Abundance Ion 74.90 (74.60 to 75.60): VX0

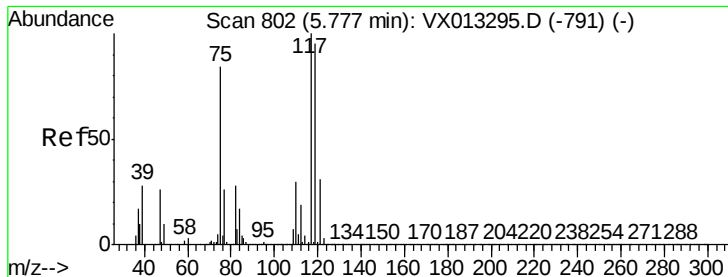
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

5.65



Time--> 5.55 5.60 5.65 5.70 5.75



#38

Carbon Tetrachloride

Concen: 6.462 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

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ClientSampleId :

STORAGE-BLANK-WATER-REF-5

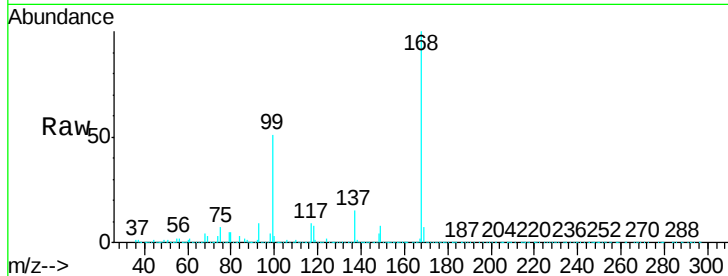
Tgt Ion: 117 Resp: 61343

Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

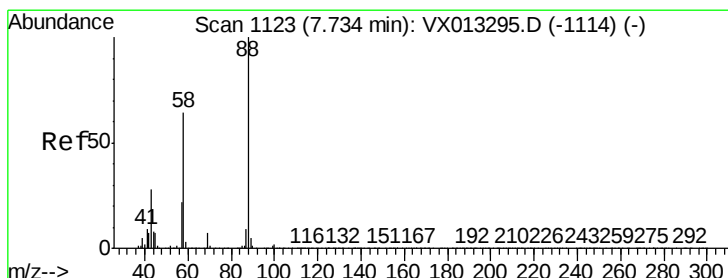
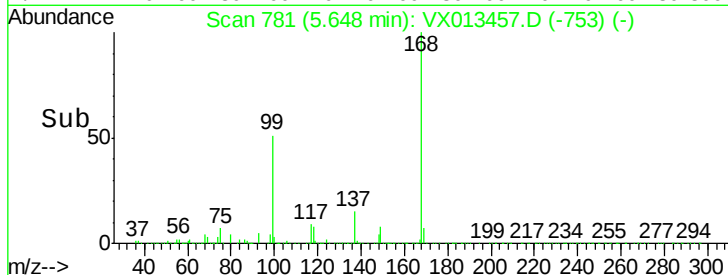
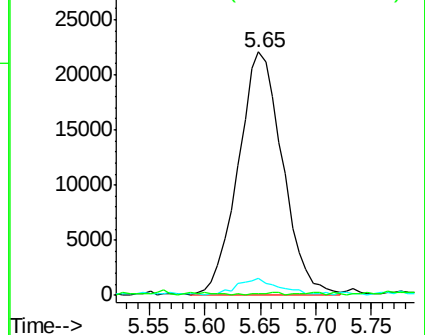
121 0.3 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 2.515 ug/l

RT: 7.57 min Scan# 1096

Delta R.T. -0.16 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

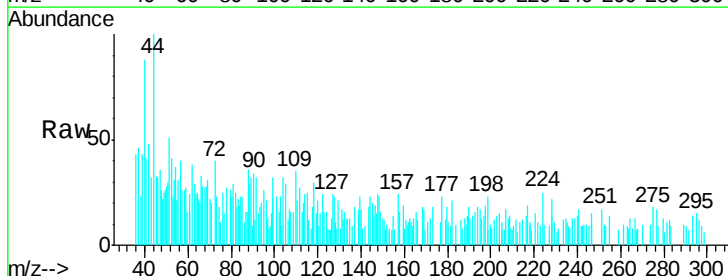
Tgt Ion: 88 Resp: 537

Ion Ratio Lower Upper

88 100

43 29.2 26.6 39.8

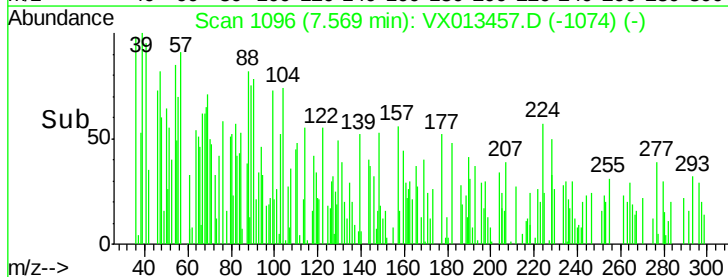
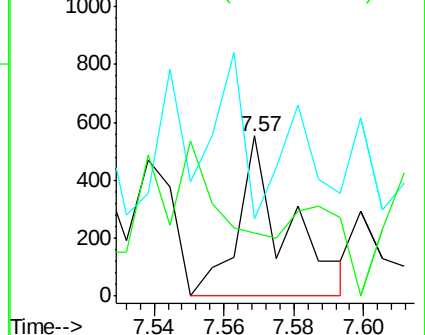
58 59.8 55.0 82.6

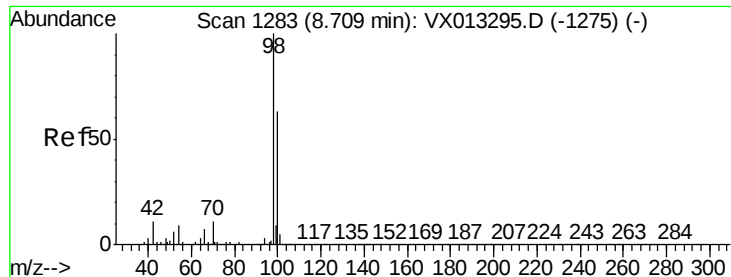


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.779 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

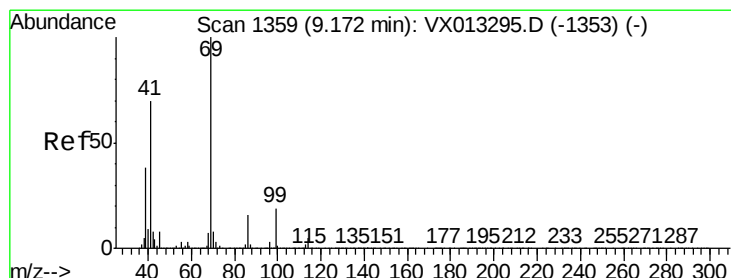
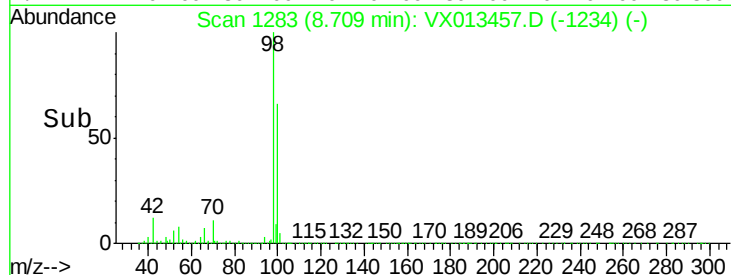
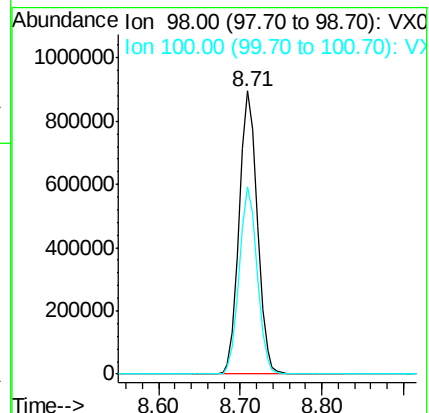
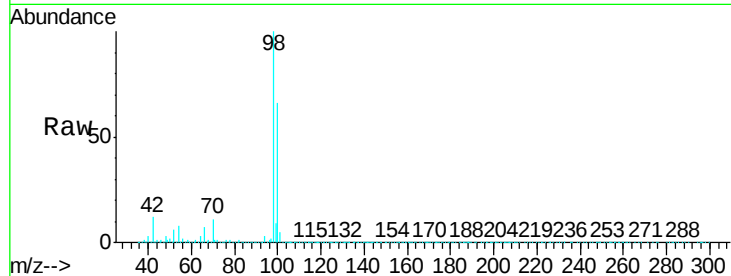
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 98 Resp: 1358758

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.640 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

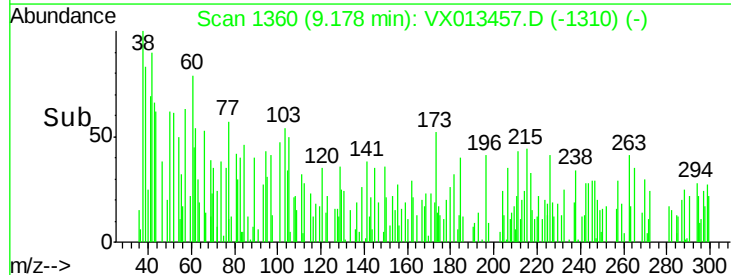
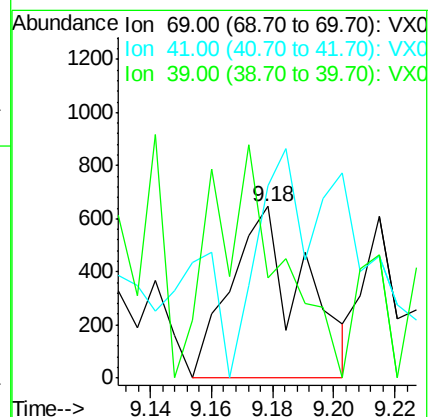
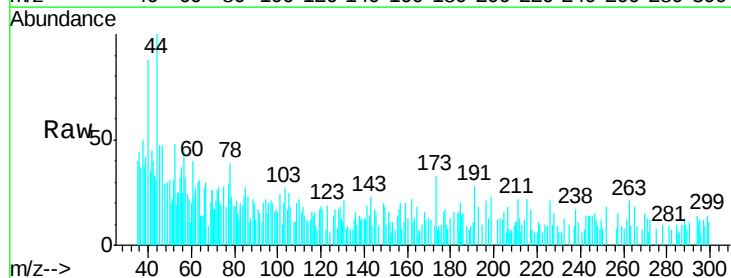
Tgt Ion: 69 Resp: 1050

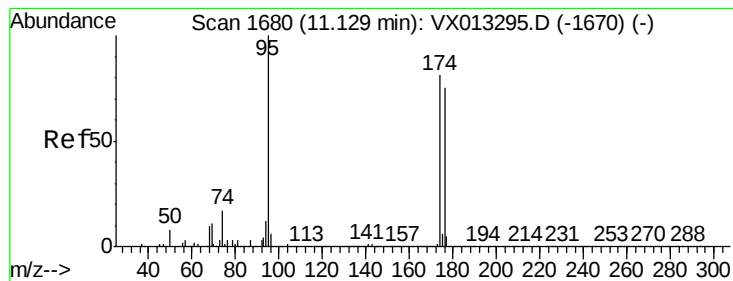
Ion Ratio Lower Upper

69 100

41 82.9 56.2 84.2

39 126.8 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.615 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

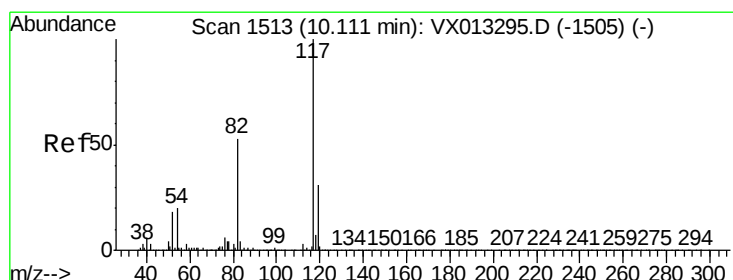
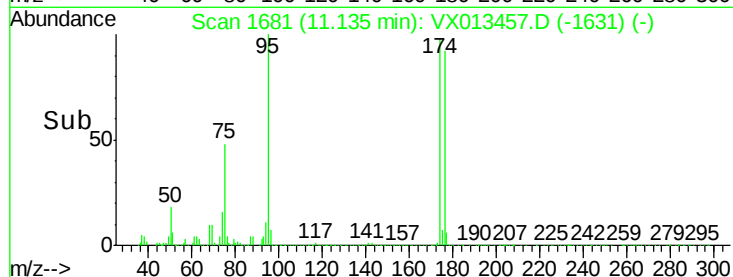
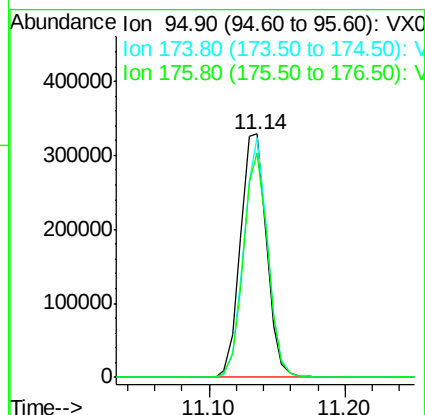
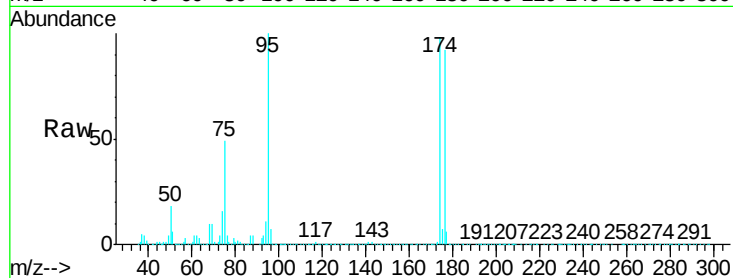
Tgt Ion: 95 Resp: 440514

Ion Ratio Lower Upper

95 100

174 90.1 0.0 179.8

176 86.7 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: VX013457.D

Acq: 19 Nov 2019 11:34

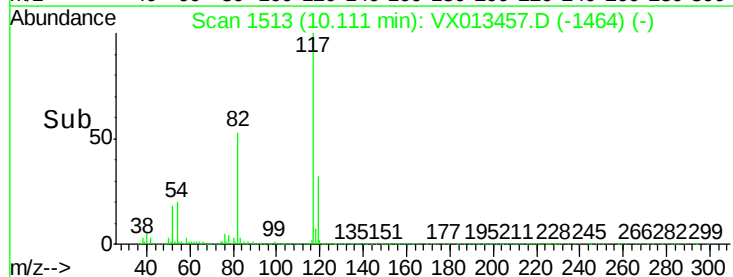
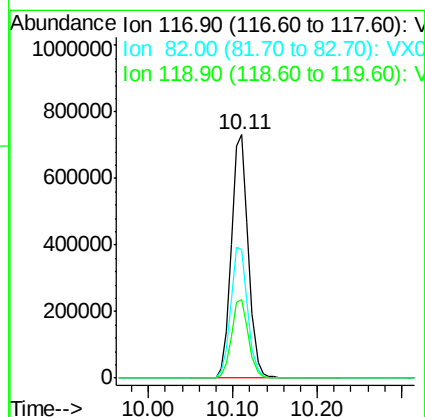
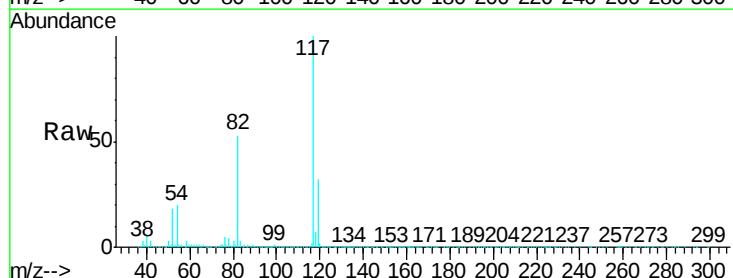
Tgt Ion: 117 Resp: 1005145

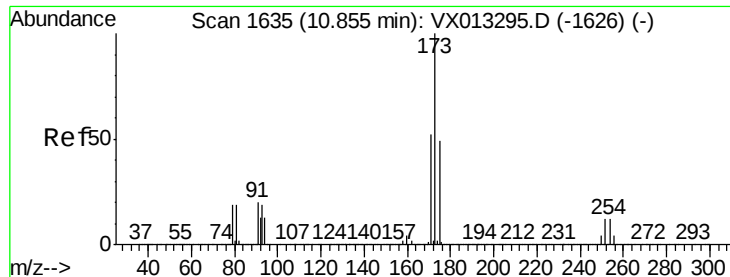
Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

119 32.1 24.8 37.2





#71

Bromoform

Concen: 3.225 ug/l

RT: 10.84 min Scan# 1632

Delta R.T. -0.02 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

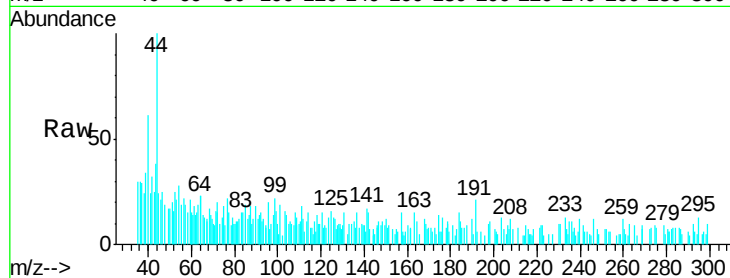
Tgt Ion:173 Resp: 166

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

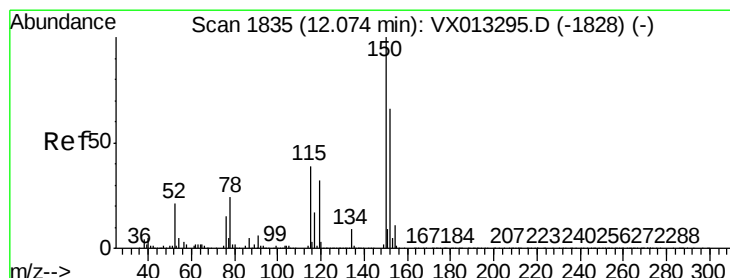
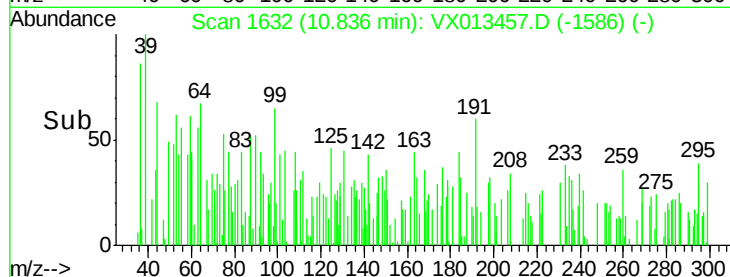
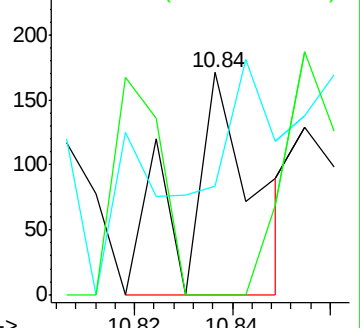
254 97.6 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013457.D

Acq: 19 Nov 2019 11:34

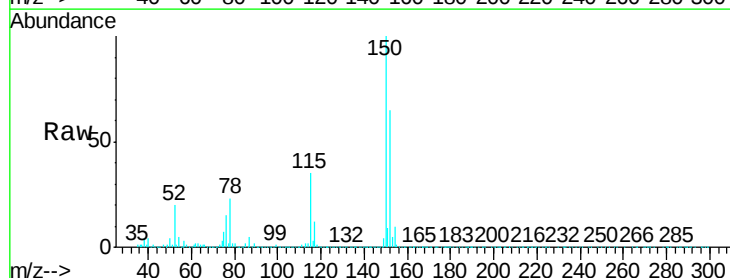
Tgt Ion:152 Resp: 438410

Ion Ratio Lower Upper

152 100

115 54.8 39.5 118.3

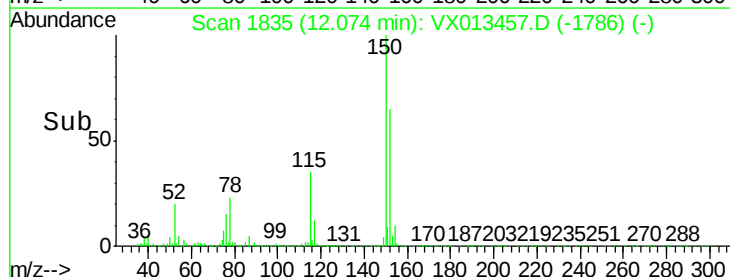
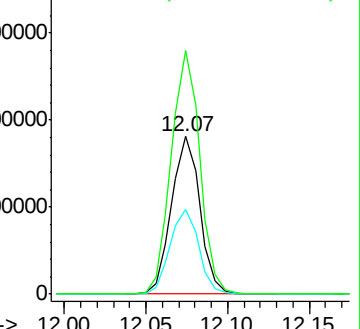
150 155.8 0.0 344.4

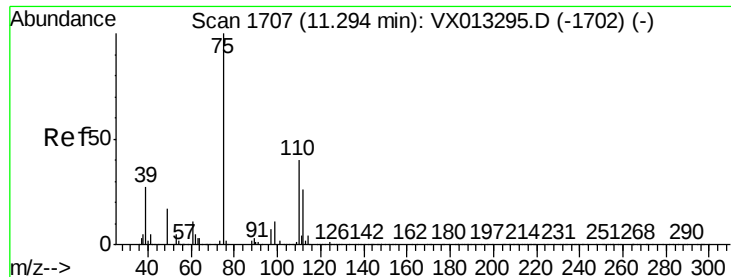


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.284 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Instrument :

MSVOA_X

ClientSampleId :

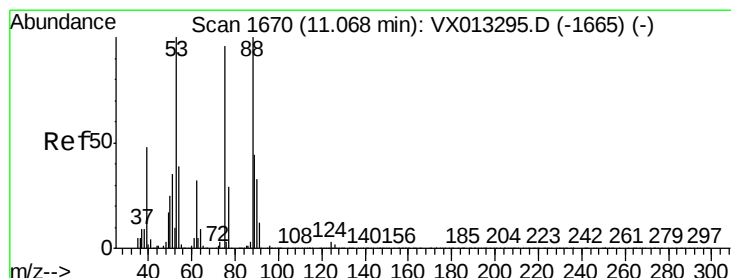
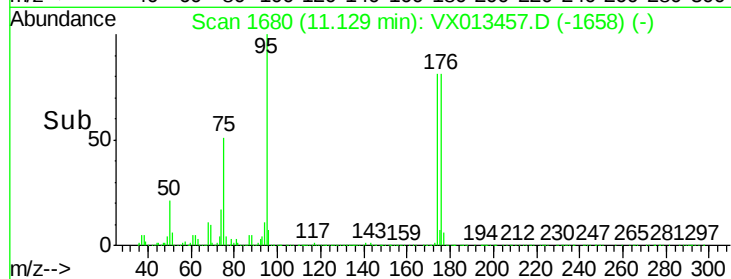
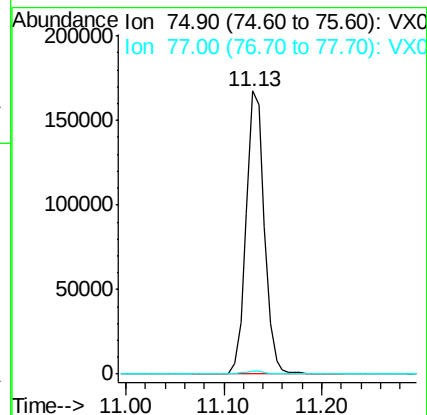
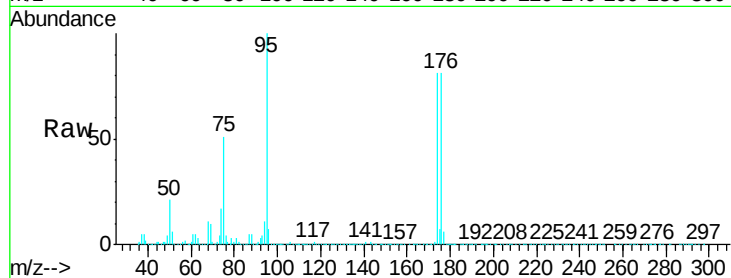
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 216241

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.506 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013457.D

Acq: 19 Nov 2019 11:34

Tgt Ion: 75 Resp: 216241

Ion Ratio Lower Upper

75 100

53 0.6 81.0 121.6#

89 0.2 36.0 54.0#

