

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013357.D
 Acq On : 08 Nov 2019 15:05
 Operator : JC/SP
 Sample : K5765-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-011-IDWGW-20191107

Quant Time: Nov 11 02:56:22 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	817857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1266583	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1136750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	533746	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	458144	47.28	ug/l	0.00
Spiked Amount						
			Recovery	=	94.56%	
35) Dibromofluoromethane	5.48	113	378373	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
50) Toluene-d8	8.71	98	1509459	50.40	ug/l	0.00
Spiked Amount						
			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	509751	47.16	ug/l	0.00
Spiked Amount						
			Recovery	=	94.32%	

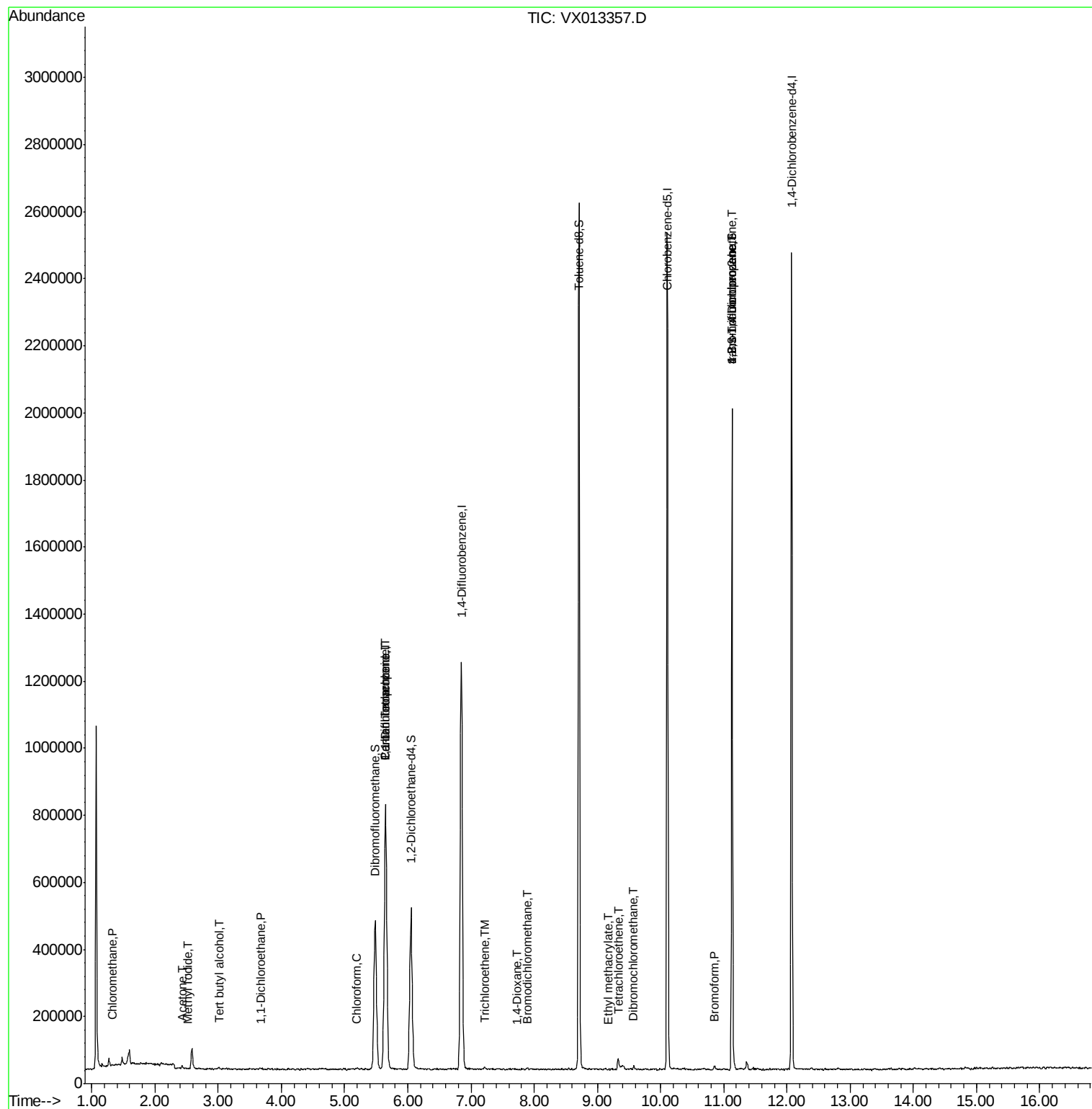
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2669	0.261	ug/l #	46
6) Chloroethane	1.75	64	705	Below Cal	#	64
10) Methyl Iodide	2.51	142	2426	0.256	ug/l #	84
11) Tert butyl alcohol	3.01	59	6841	2.679	ug/l	95
16) Acetone	2.43	43	11422	2.363	ug/l	97
24) 1,1-Dichloroethane	3.68	63	3296	0.224	ug/l #	71
30) Chloroform	5.20	83	3538	0.243	ug/l	100
36) 1,1-Dichloropropene	5.65	75	54805	5.044	ug/l #	51
38) Carbon Tetrachloride	5.65	117	69052	6.499	ug/l #	17
44) Trichloroethene	7.21	130	3055	0.328	ug/l	19
47) Bromodichloromethane	7.89	83	2644	0.238	ug/l #	99
49) 1,4-Dioxane	7.73	88	475	1.987	ug/l #	76
56) Ethyl methacrylate	9.18	69	426	1.591	ug/l #	22
60) Dibromochloromethane	9.57	129	4662	0.524	ug/l	99
64) Tetrachloroethene	9.33	164	2285	0.281	ug/l #	73
71) Bromoform	10.85	173	4157	3.699	ug/l #	97
76) 1,2,3-Trichloropropane	11.13	75	254816	23.505	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	254816	60.500	ug/l #	9

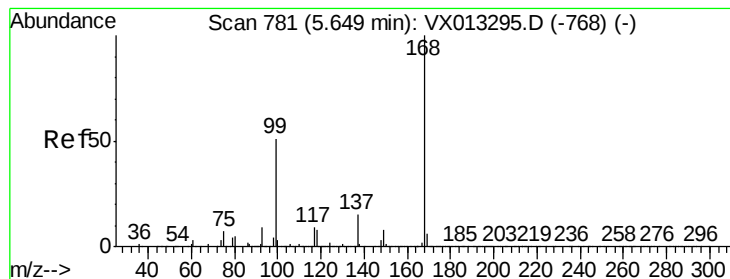
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

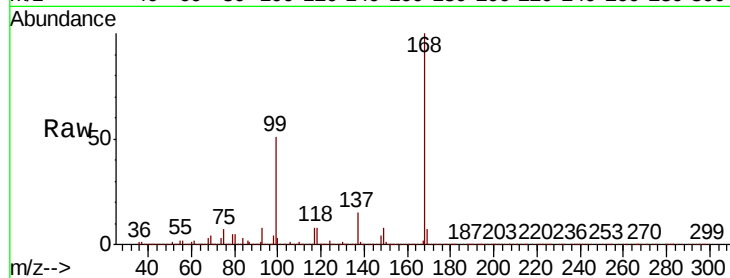
TT-011-IDW/GW-20191107

Tot Ion:168 Resp: 817857

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

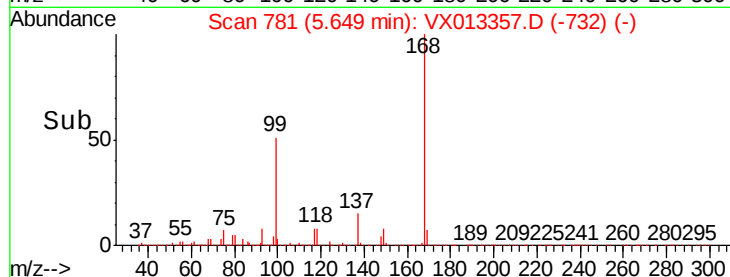
300000

200000

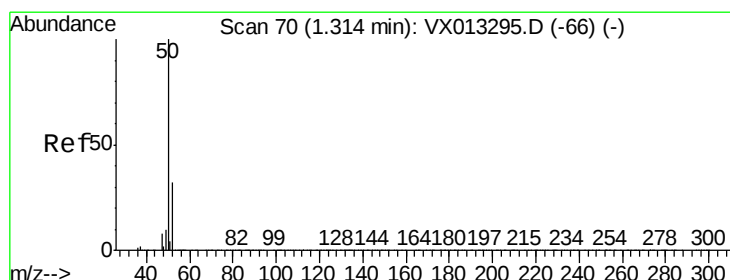
100000

0

5.50 5.60 5.70 5.80



Time-->



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013357.D

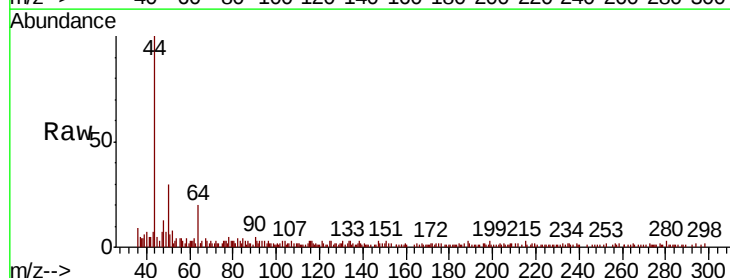
Acq: 08 Nov 2019 15:05

Tgt Ion: 50 Resp: 2669

Ion Ratio Lower Upper

50 100

52 1.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

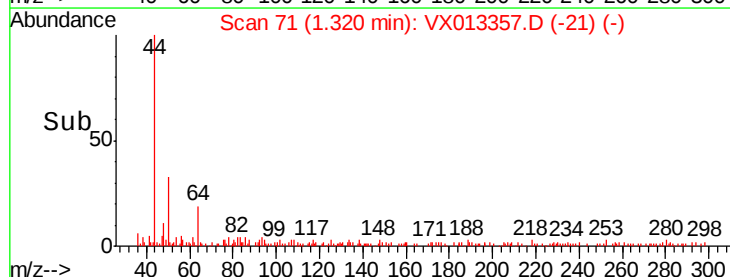
1500

1000

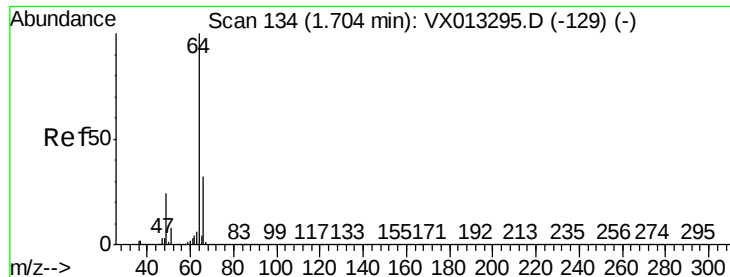
500

0

1.30 1.32 1.34



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 142

Delta R.T. 0.05 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

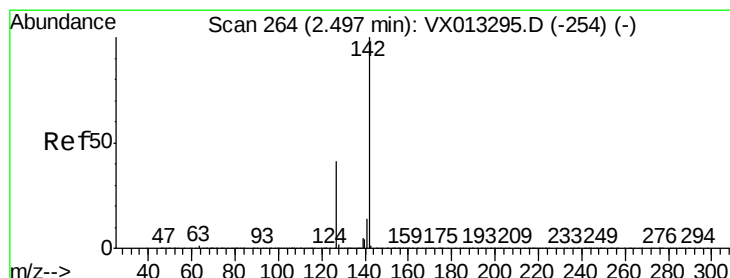
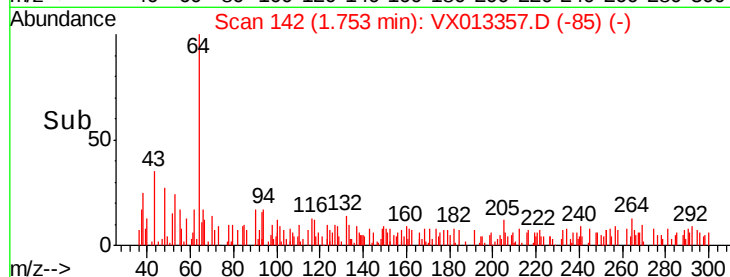
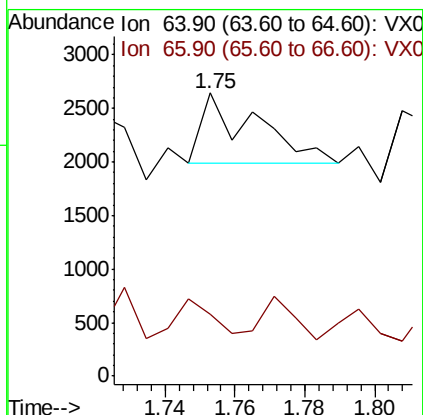
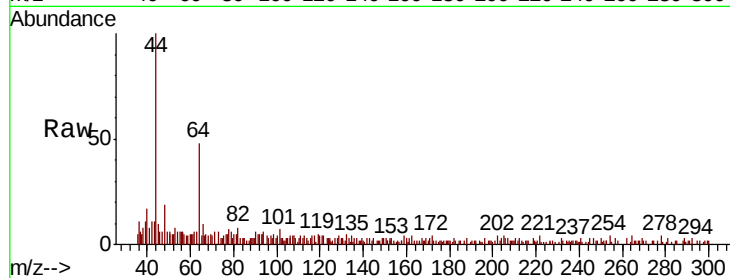
TT-011-IDWGW-20191107

Tot Ion: 64 Resp: 705

Ion Ratio Lower Upper

64 100

66 11.9 25.6 38.4#



#10

Methyl Iodide

Concen: 0.256 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

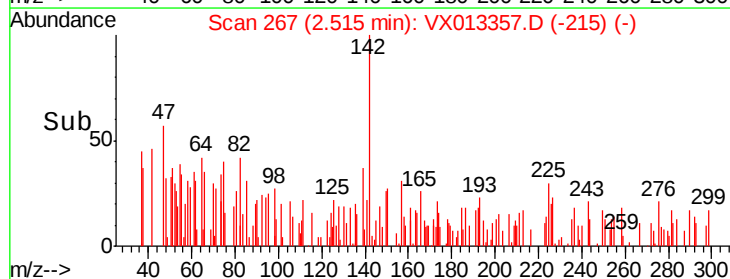
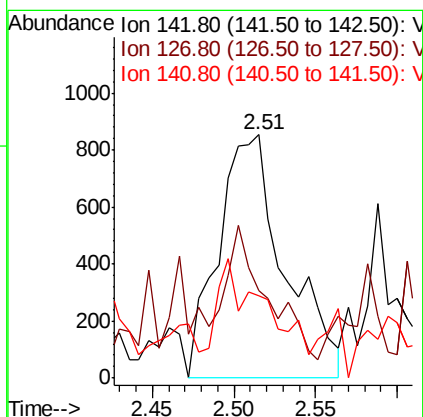
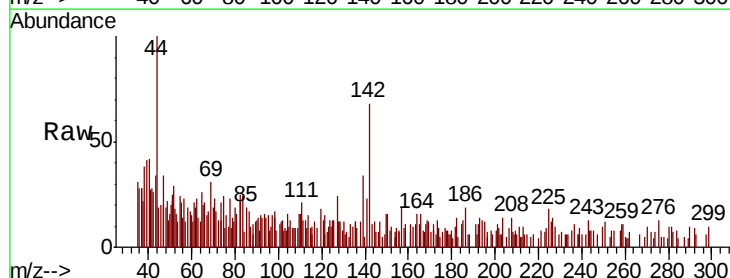
Tgt Ion: 142 Resp: 2426

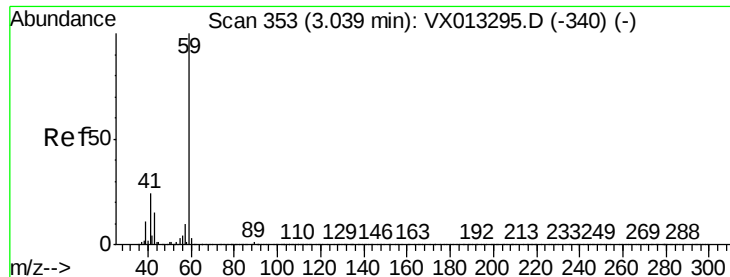
Ion Ratio Lower Upper

142 100

127 33.4 32.6 49.0

141 25.5 11.6 17.4#

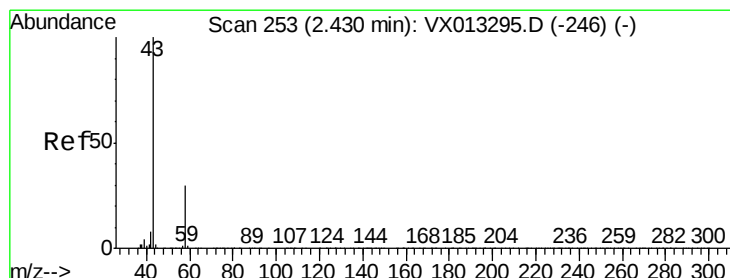
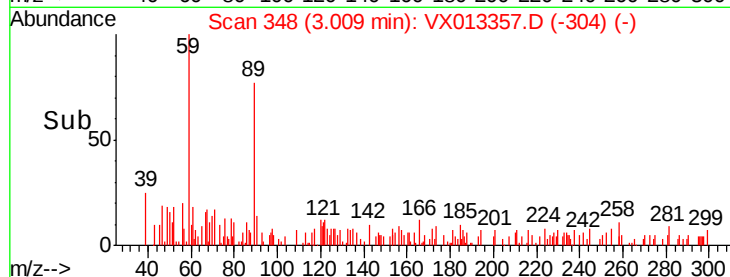
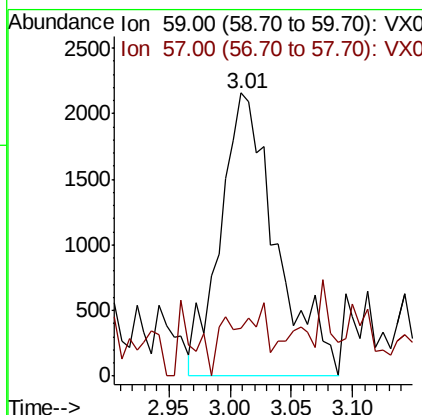
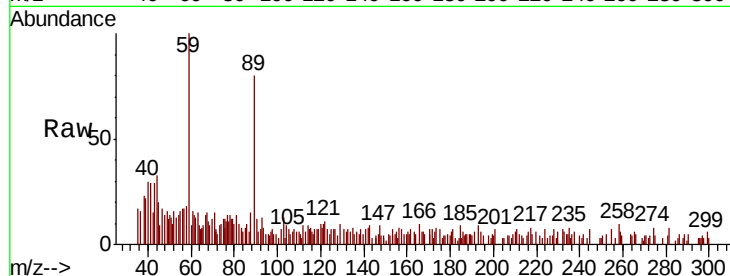




#11
Tert butyl alcohol
Concen: 2.679 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

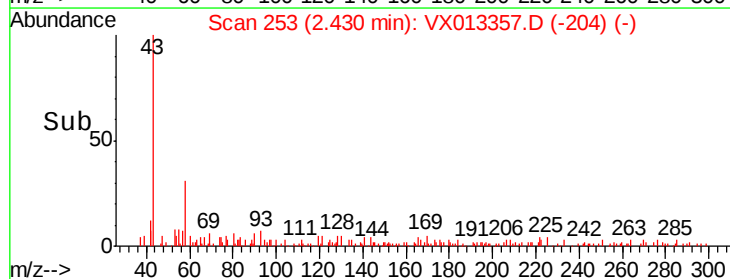
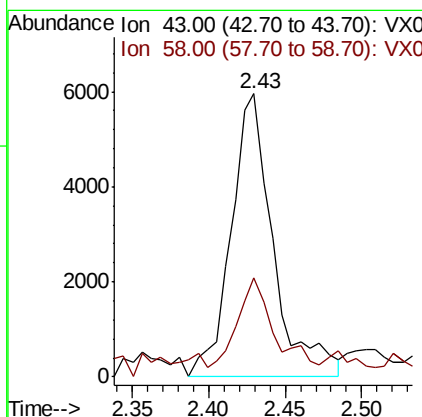
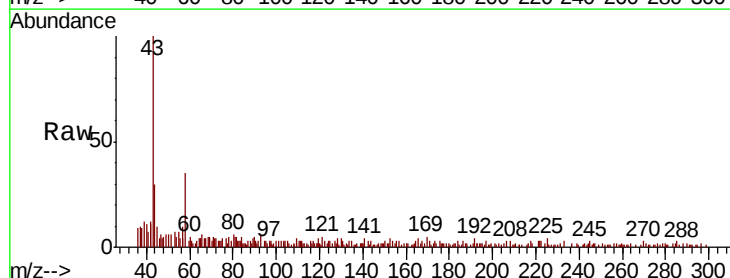
Instrument :
MSVOA_X
ClientSampleId :
TT-011-IDWGW-20191107

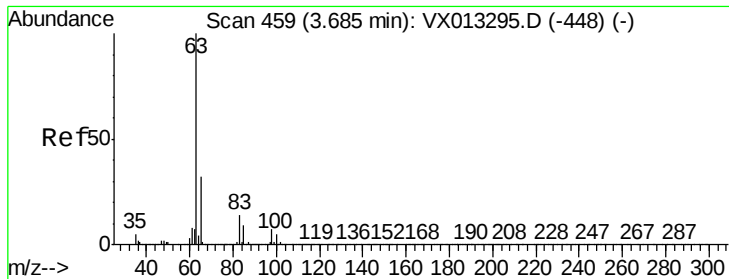
Tot Ion: 59 Resp: 6841
Ion Ratio Lower Upper
59 100
57 8.3 8.0 12.0



#16
Acetone
Concen: 2.363 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

Tgt Ion: 43 Resp: 11422
Ion Ratio Lower Upper
43 100
58 29.0 24.3 36.5





#24

1,1-Dichloroethane

Concen: 0.224 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

TT-011-IDWGW-20191107

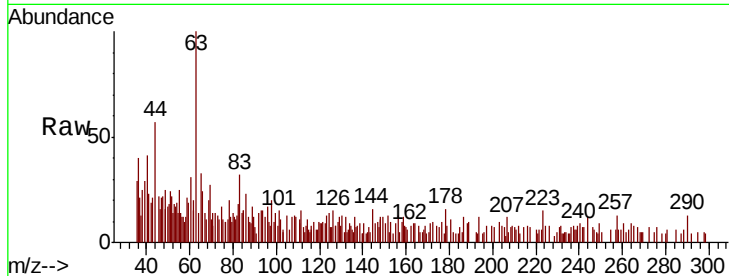
Tot Ion: 63 Resp: 3296

Ion Ratio Lower Upper

63 100

98 15.4 3.5 10.4#

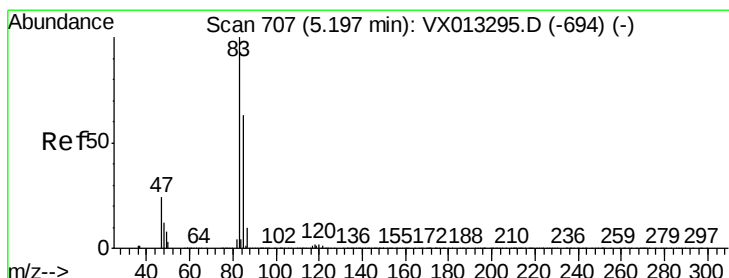
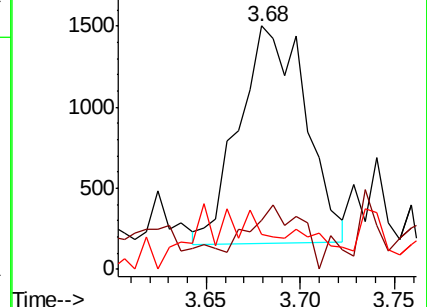
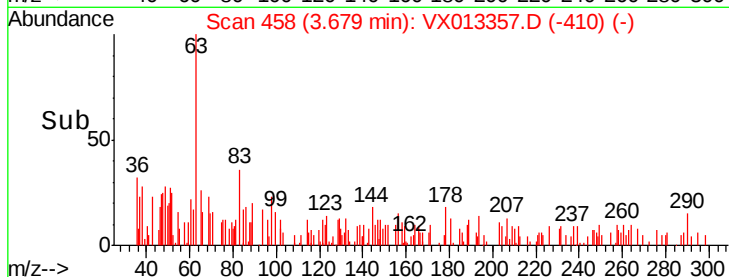
100 16.8 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#30

Chloroform

Concen: 0.243 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013357.D

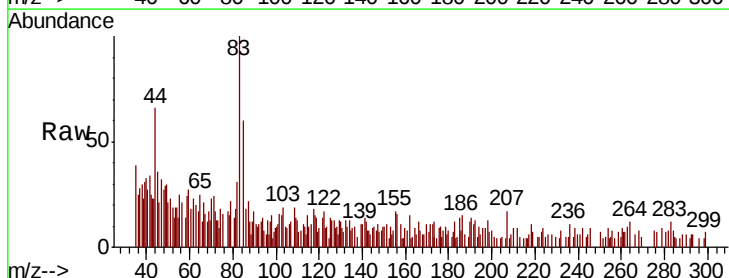
Acq: 08 Nov 2019 15:05

Tgt Ion: 83 Resp: 3538

Ion Ratio Lower Upper

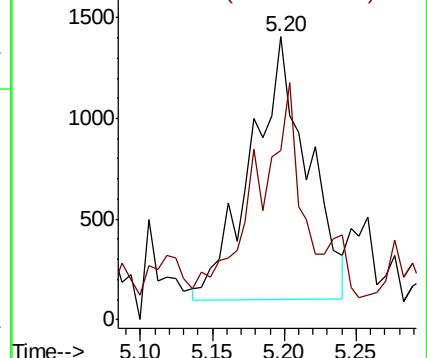
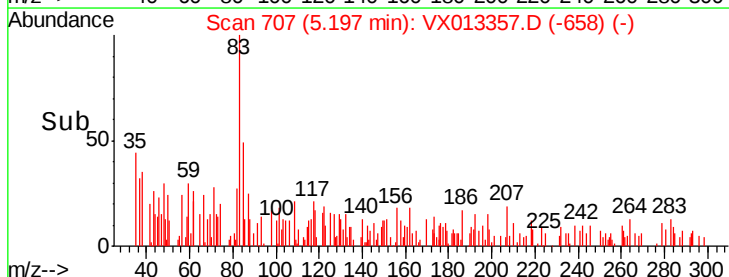
83 100

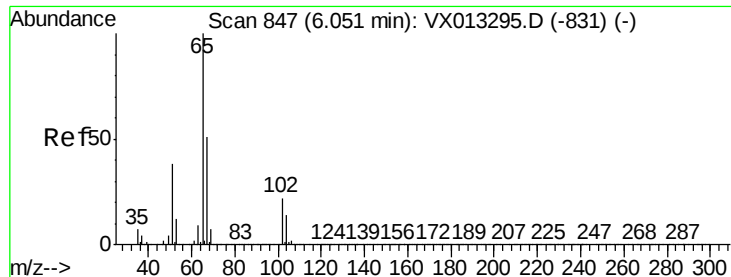
85 63.1 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.284 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

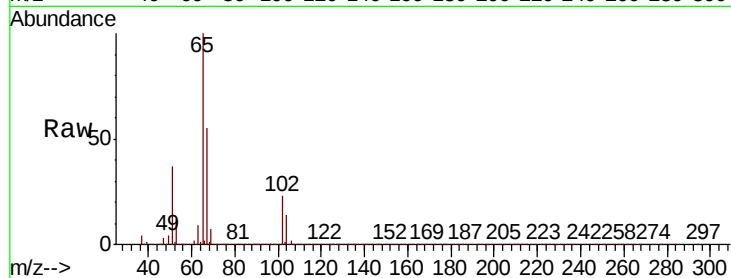
TT-011-IDWGW-20191107

Tot Ion: 65 Resp: 458144

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

200000

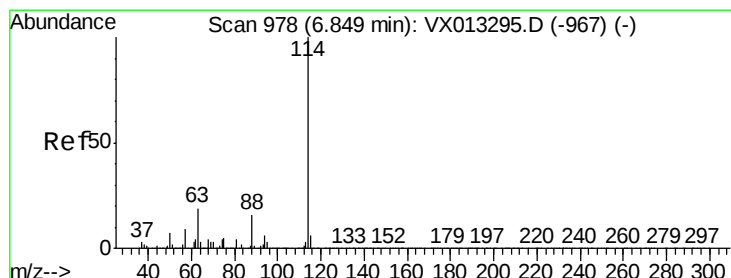
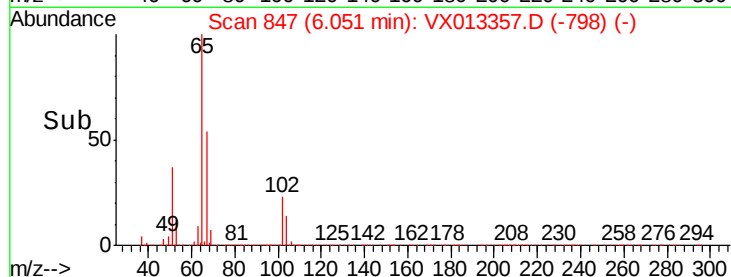
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

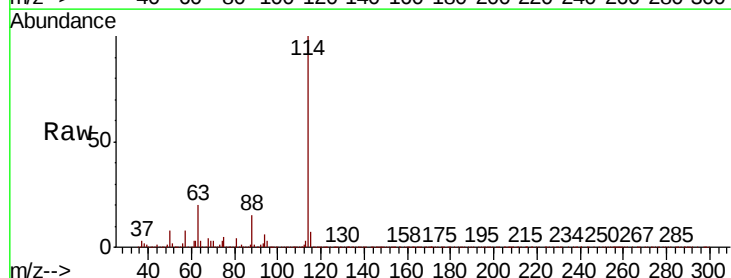
Tgt Ion: 114 Resp: 1266583

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.2 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

6.85

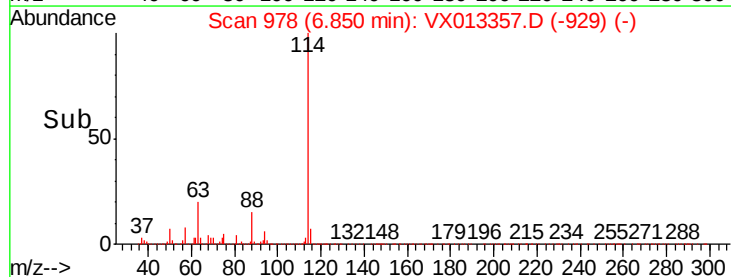
600000

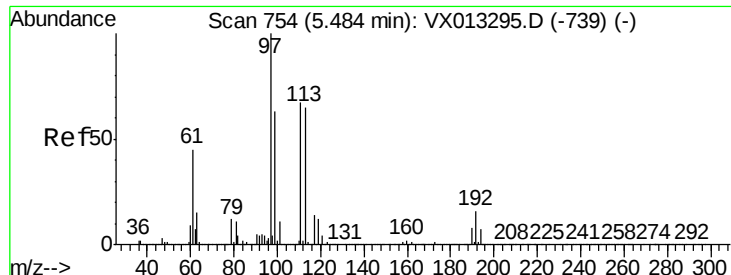
400000

200000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.629 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

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ClientSampleId :

TT-011-IDW/GW-20191107

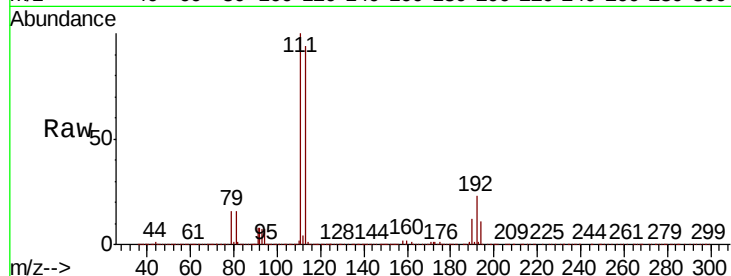
Tot Ion:113 Resp: 378373

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

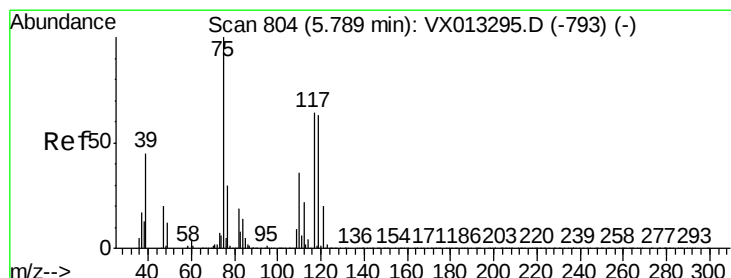
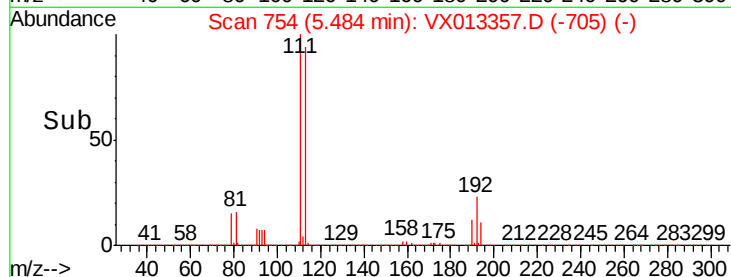
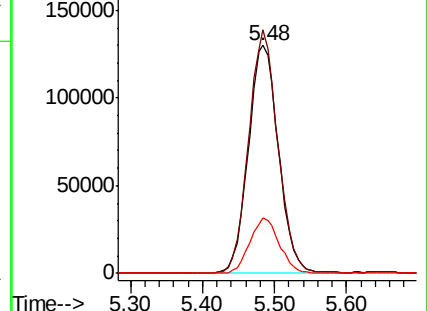
192 23.9 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

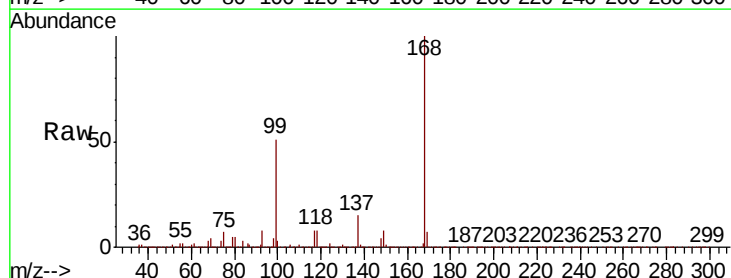
Tgt Ion: 75 Resp: 54805

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

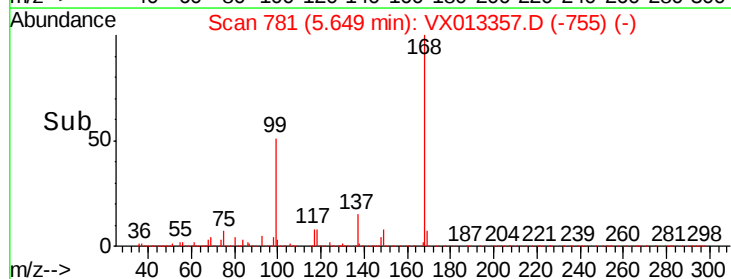
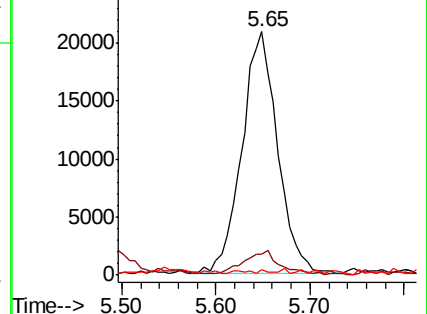
77 0.3 25.0 37.4#

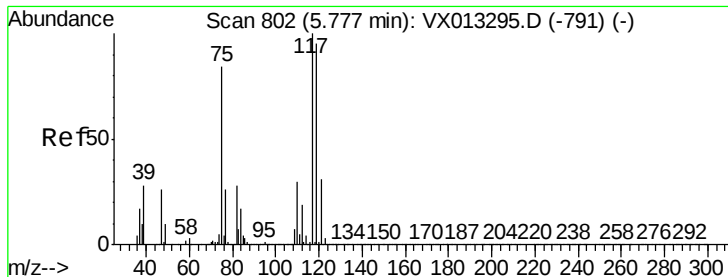


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.499 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

TT-011-IDW/GW-20191107

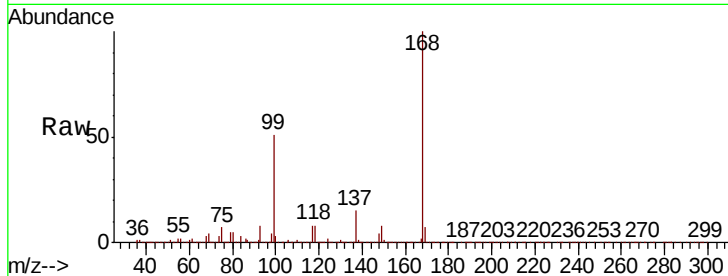
Tot Ion:117 Resp: 69052

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

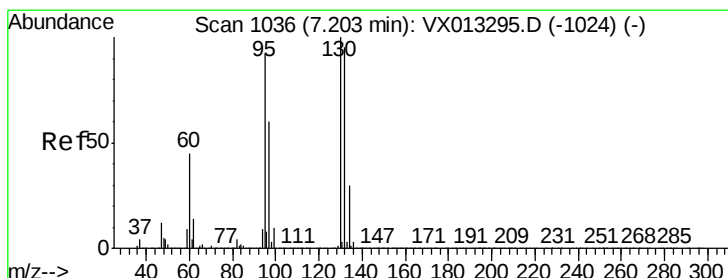
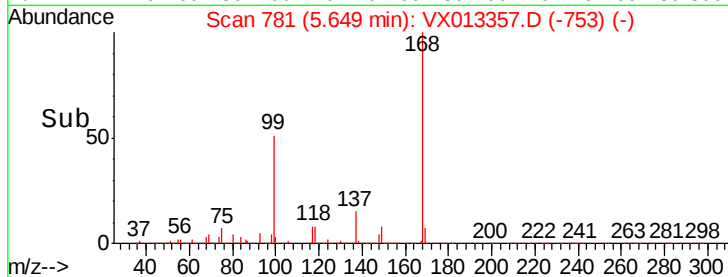
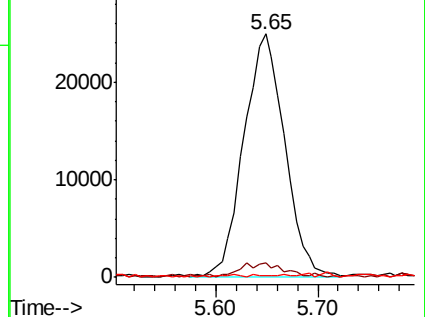
121 0.4 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.328 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013357.D

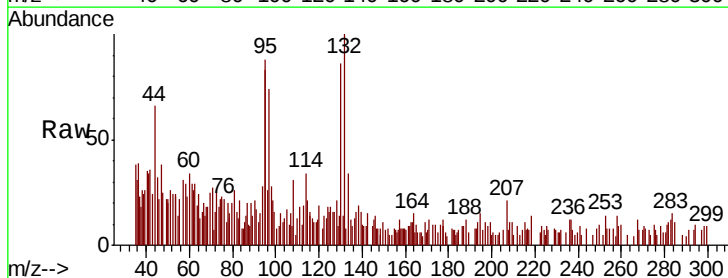
Acq: 08 Nov 2019 15:05

Tgt Ion:130 Resp: 3055

Ion Ratio Lower Upper

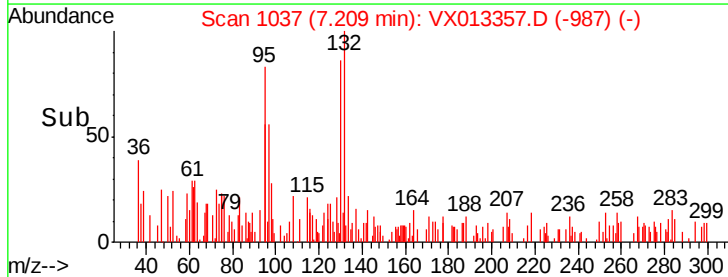
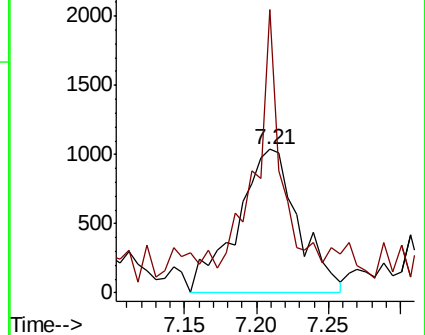
130 100

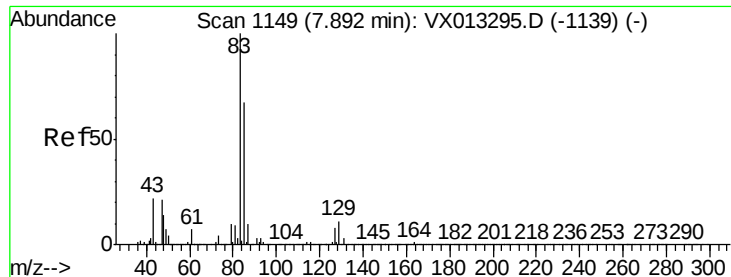
95 170.2 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#47

Bromodichloromethane

Concen: 0.238 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

TT-011-IDWGW-20191107

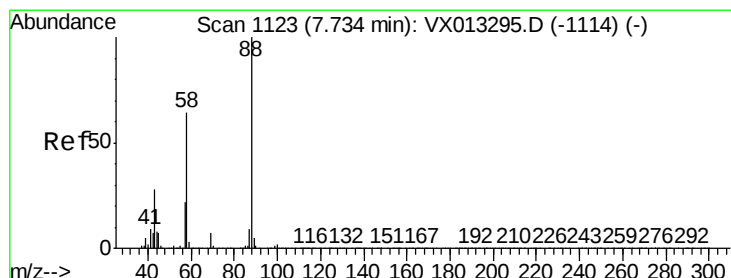
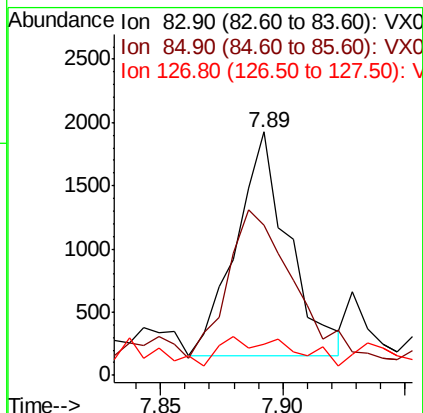
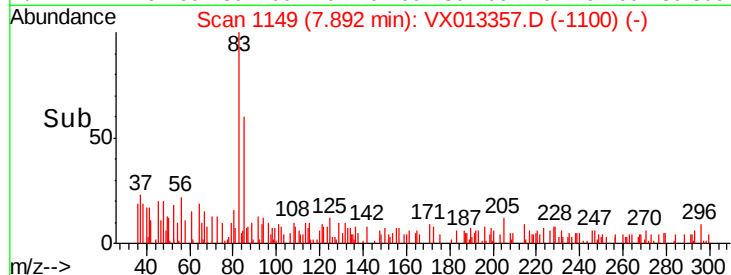
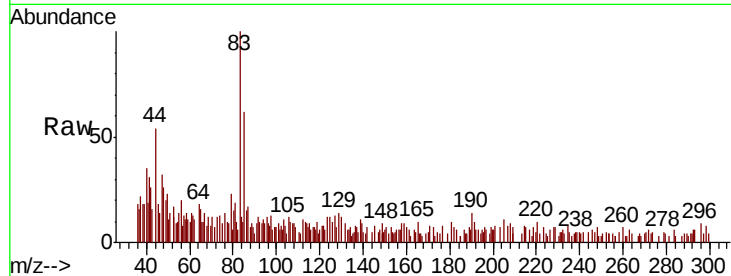
Tot Ion: 83 Resp: 2644

Ion Ratio Lower Upper

83 100

85 66.4 53.7 80.5

127 6.3 6.4 9.6#



#49

1,4-Dioxane

Concen: 1.987 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

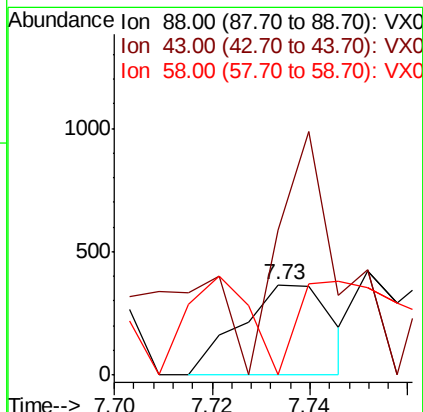
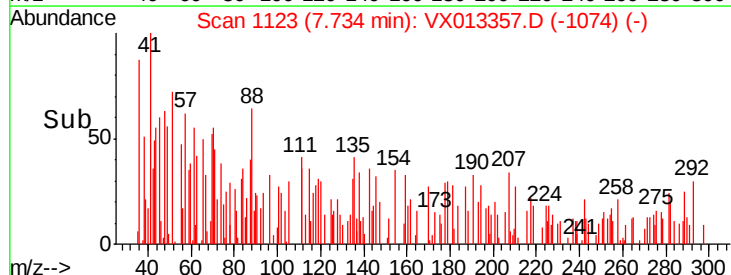
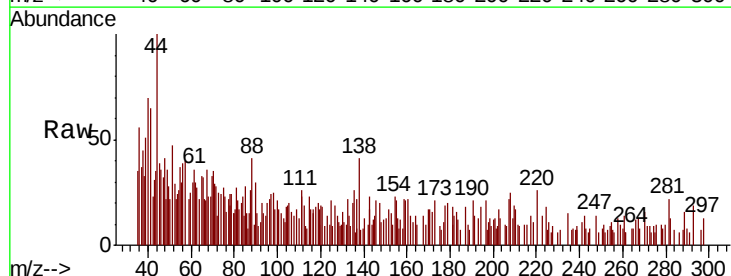
Tgt Ion: 88 Resp: 475

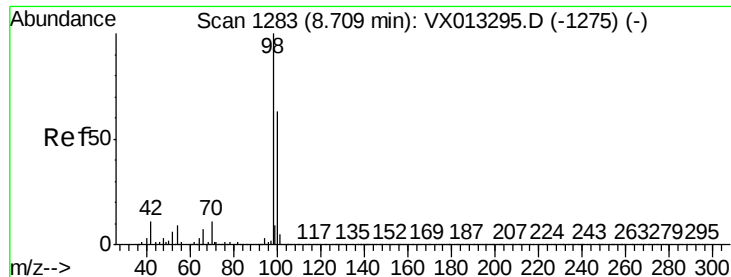
Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 74.7 55.0 82.6





#50

Toluene-d8

Concen: 50.402 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

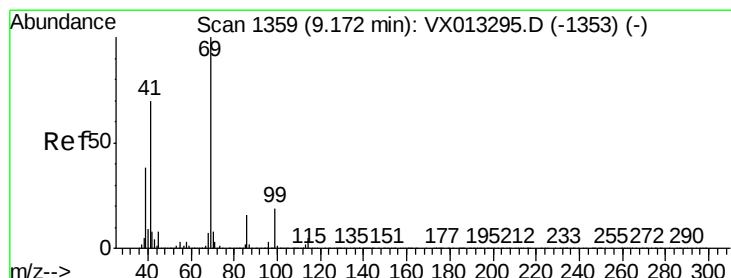
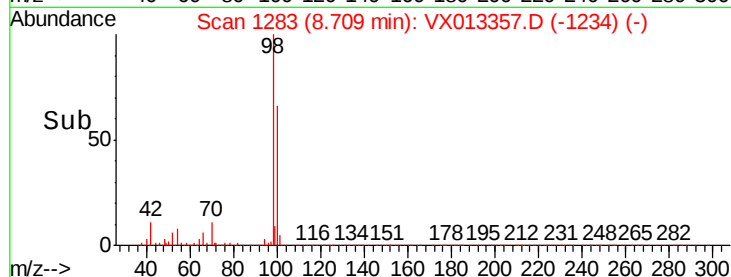
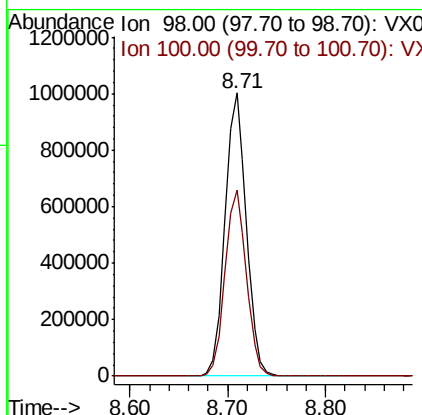
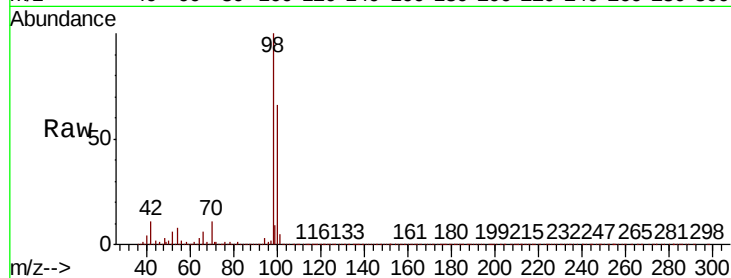
TT-011-IDWGW-20191107

Tot Ion: 98 Resp: 1509459

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.591 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

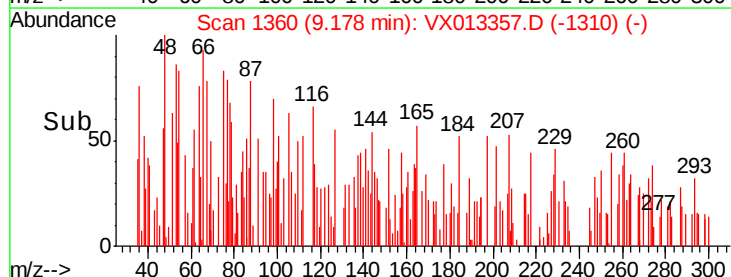
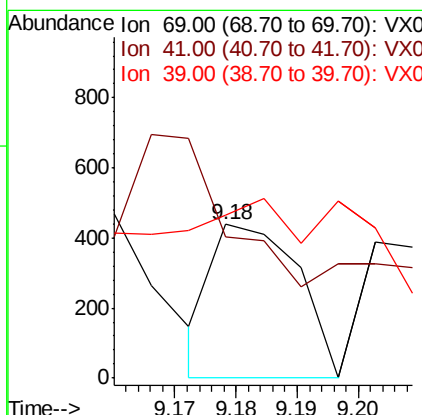
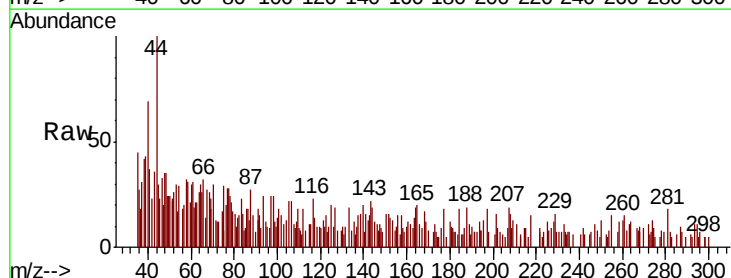
Tgt Ion: 69 Resp: 426

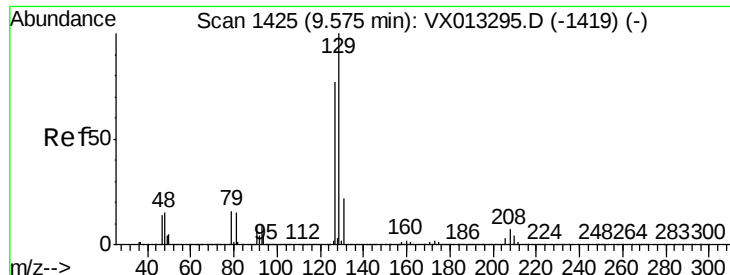
Ion Ratio Lower Upper

69 100

41 0.0 56.2 84.2#

39 0.0 31.1 46.7#





#60

Dibromochloromethane

Concen: 0.524 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

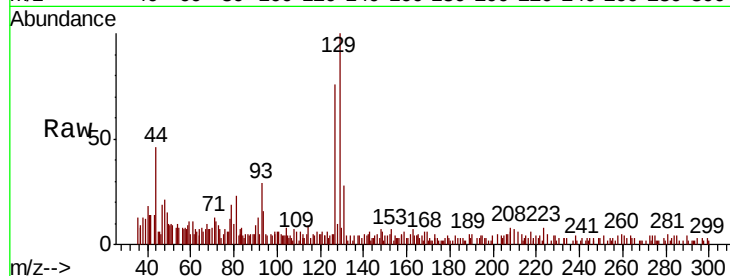
TT-011-IDW/GW-20191107

Tot Ion:129 Resp: 4662

Ion Ratio Lower Upper

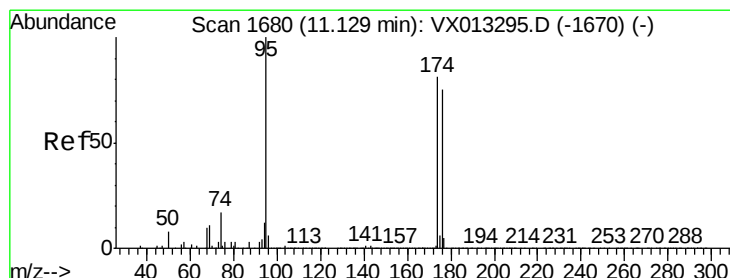
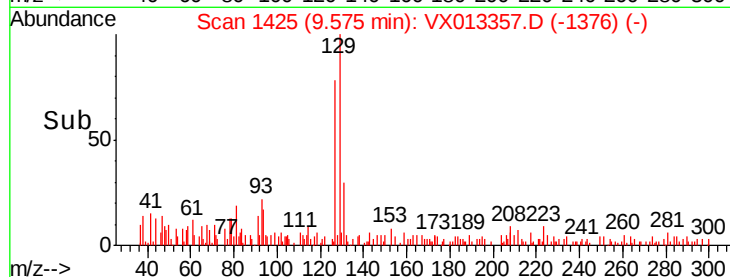
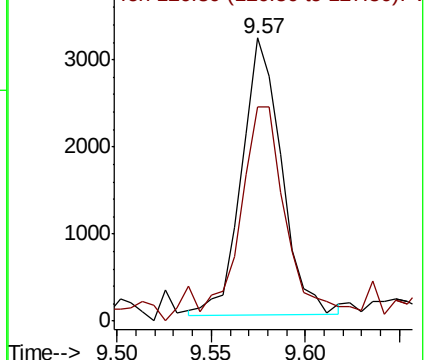
129 100

127 78.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.161 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

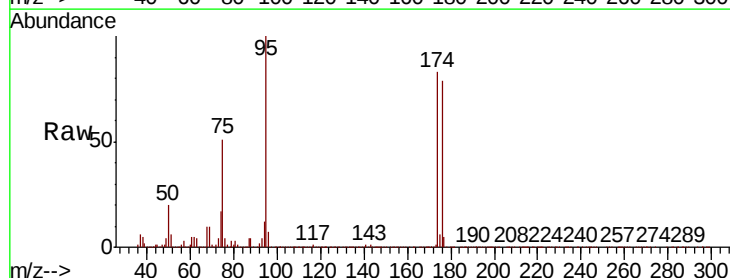
Tgt Ion: 95 Resp: 509751

Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.8

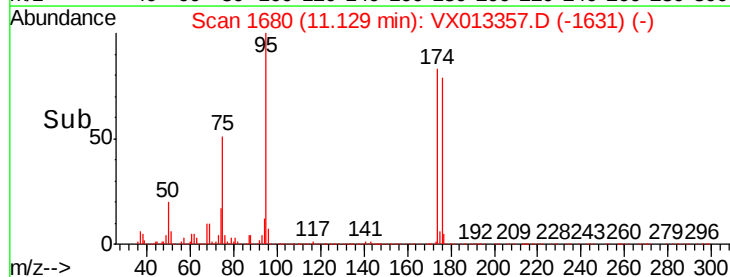
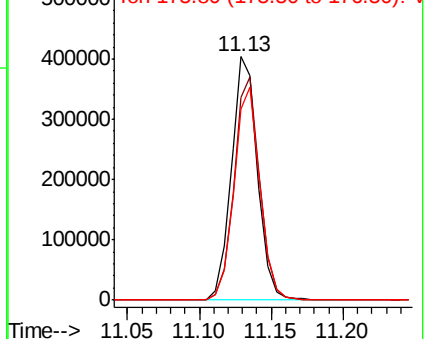
176 87.0 0.0 173.0

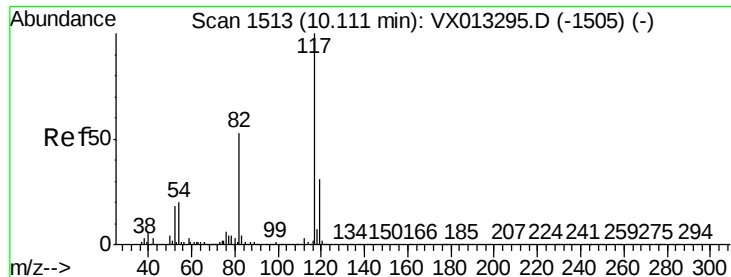


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

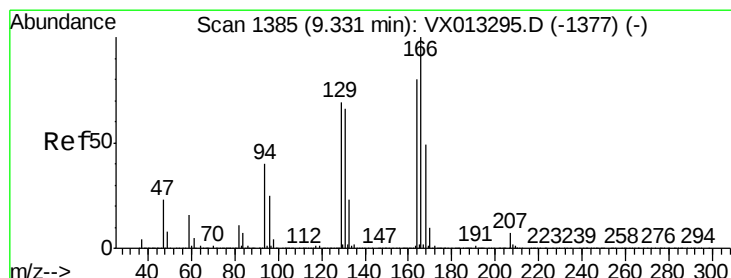
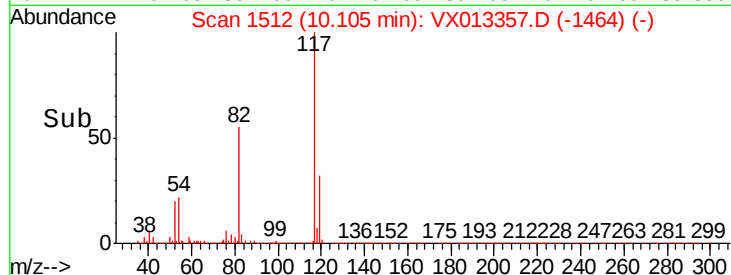
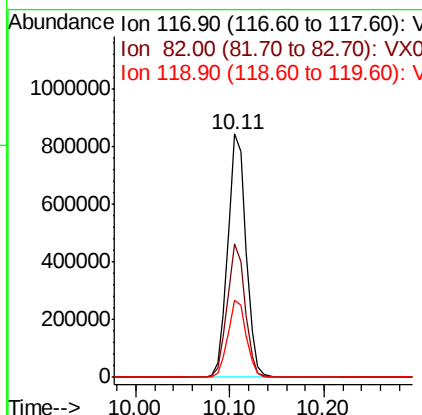
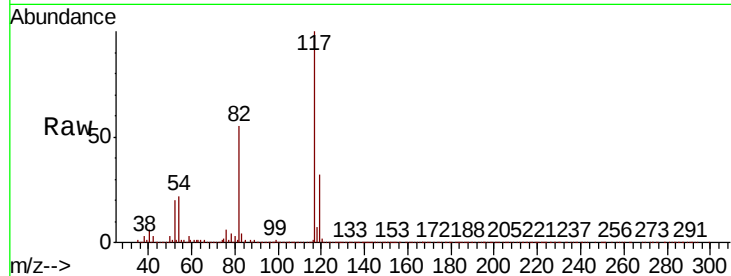




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

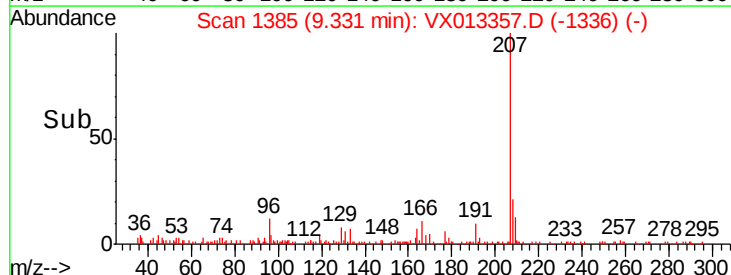
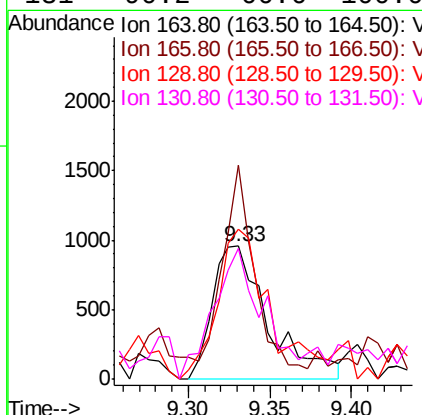
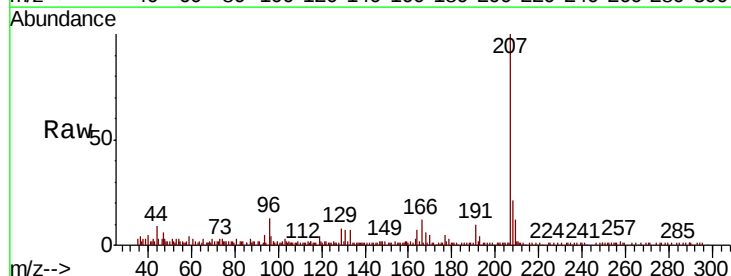
Instrument :
MSVOA_X
ClientSampleId :
TT-011-IDWGW-20191107

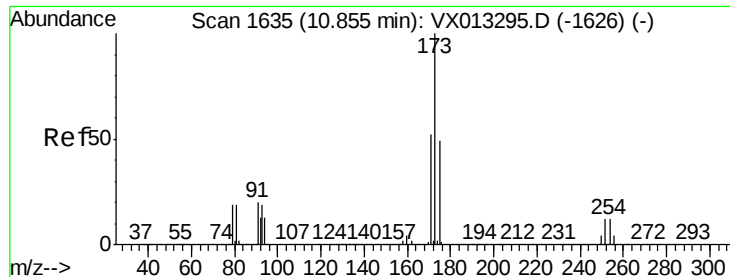
Tot Ion:117 Resp: 1136750
Ion Ratio Lower Upper
117 100
82 54.7 42.6 64.0
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 0.281 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

Tgt Ion:164 Resp: 2285
Ion Ratio Lower Upper
164 100
166 164.7 100.4 150.6#
129 119.2 69.4 104.2#
131 90.2 66.6 100.0

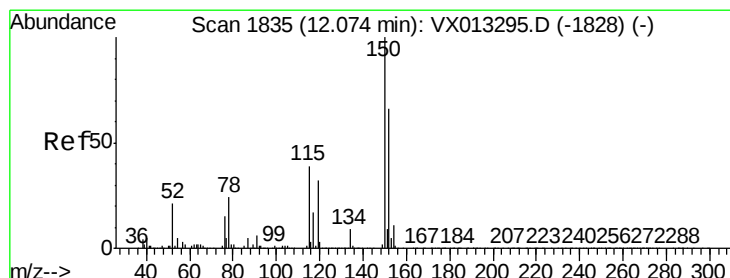
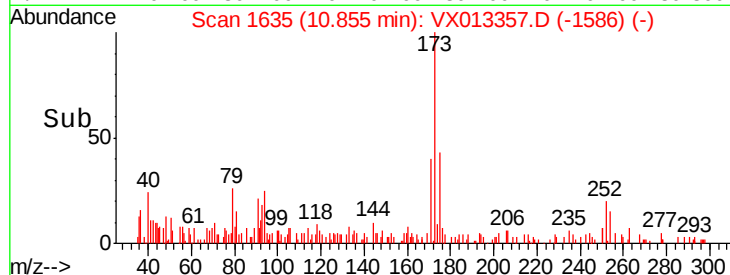
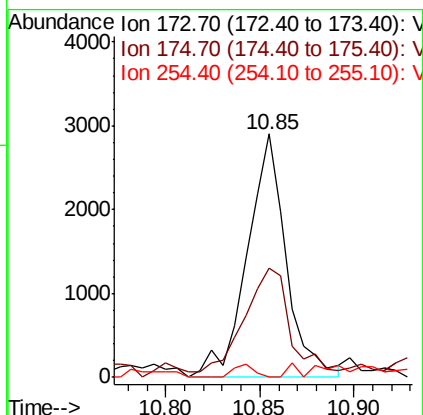
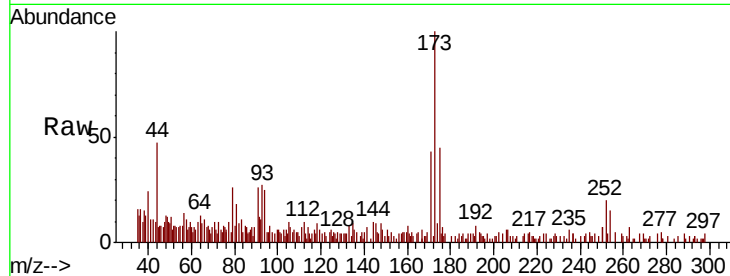




#71
Bromoform
Concen: 3.699 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

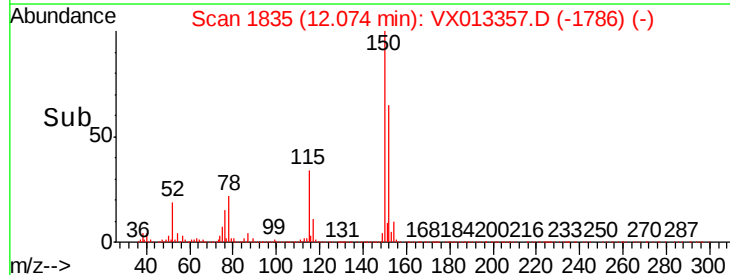
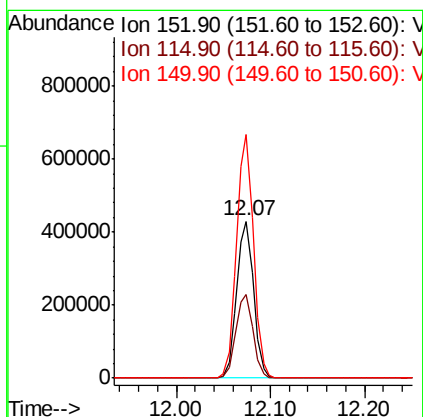
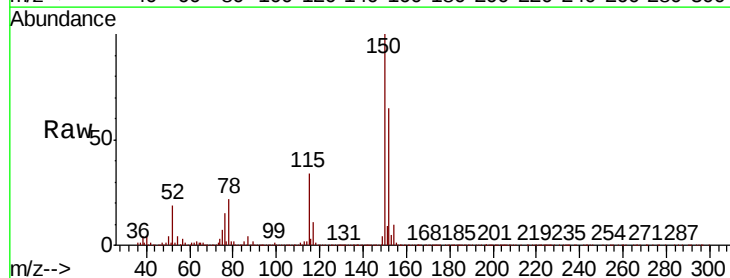
Instrument :
MSVOA_X
ClientSampleId :
TT-011-IDWGW-20191107

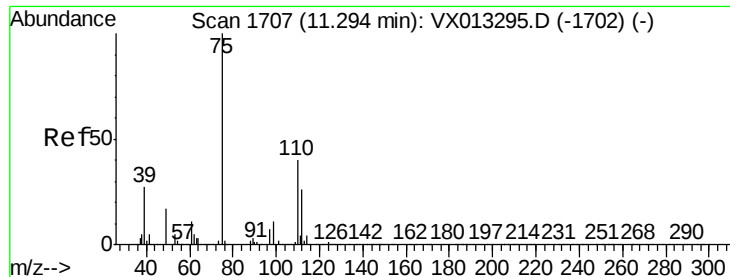
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.8	74.4
254	1.5	0.2	0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013357.D
Acq: 08 Nov 2019 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	39.5	118.3
150	155.0	0.0	344.4





#76

1,2,3-Trichloropropane

Concen: 23.505 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

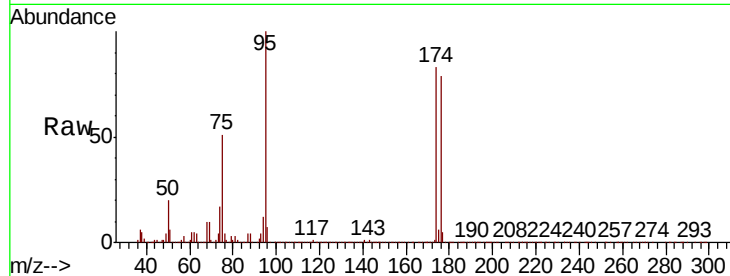
TT-011-IDWGW-20191107

Tot Ion: 75 Resp: 254816

Ion Ratio Lower Upper

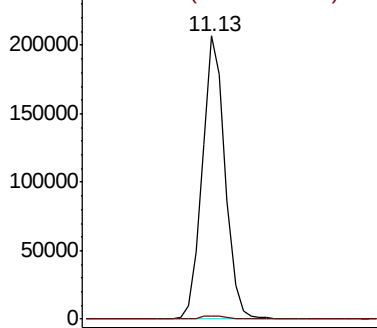
75 100

77 1.4 22.3 66.8#

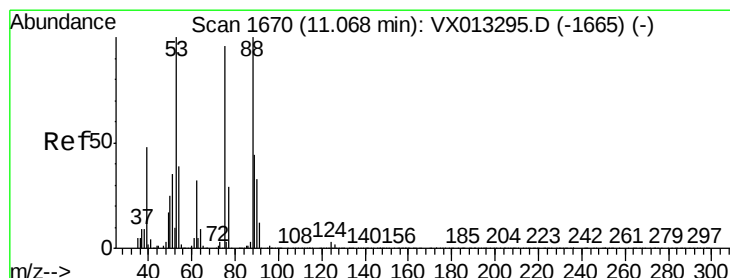
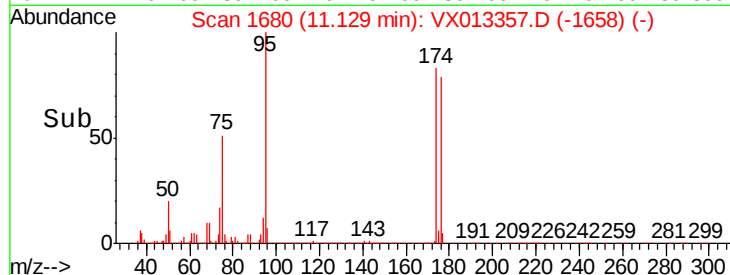


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.500 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013357.D

Acq: 08 Nov 2019 15:05

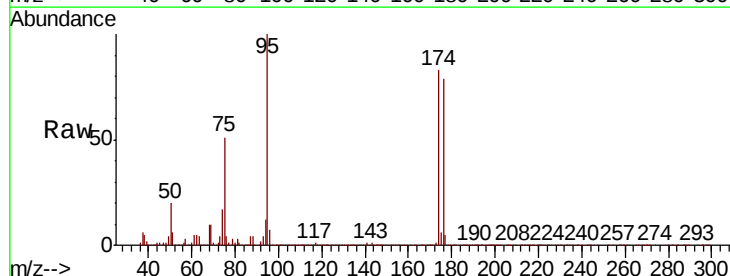
Tgt Ion: 75 Resp: 254816

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

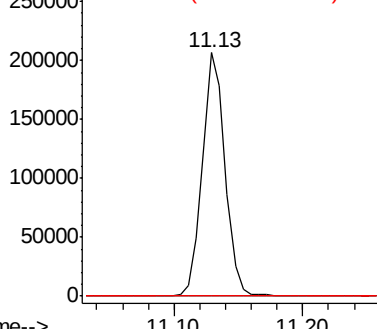
89 0.1 36.0 54.0#



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



Time-->

