

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013727.D
 Acq On : 03 Dec 2019 16:11
 Operator : JC/SP
 Sample : K6025-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

Quant Time: Dec 04 06:37:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	685706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1044428	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	926857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	441954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	368280	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	310287	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.71	98	1234523	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.14	95	422469	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	

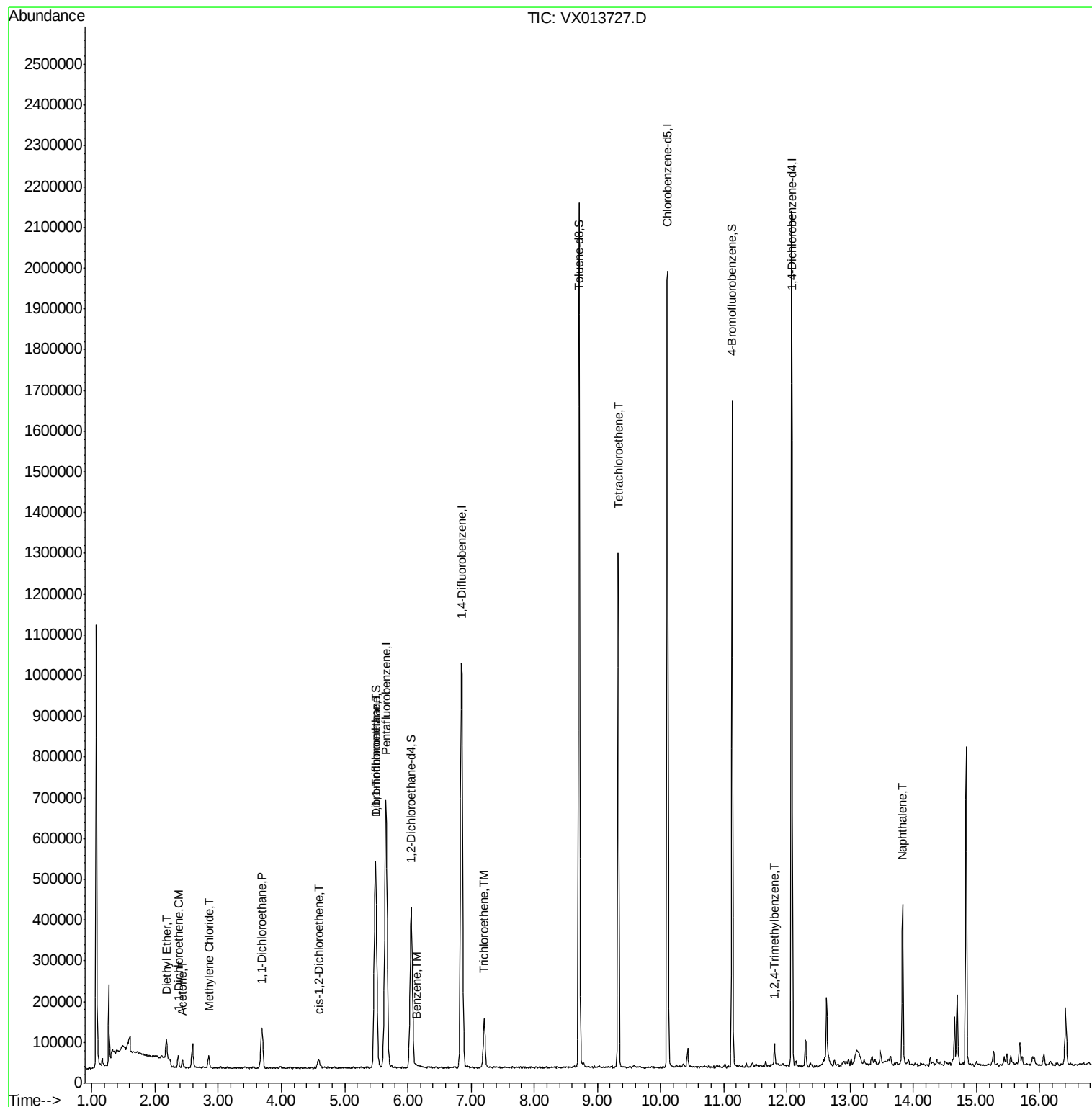
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	17197	3.551	ug/l	98
12) 1,1-Dichloroethene	2.37	96	11285	1.729	ug/l	99
16) Acetone	2.43	43	20800	5.293	ug/l	97
20) Methylene Chloride	2.85	84	15359	2.034	ug/l	83
24) 1,1-Dichloroethane	3.69	63	118830	9.533	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	13683	1.676	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	146869	13.902	ug/l	100
40) Benzene	6.14	78	11421	0.396	ug/l	91
44) Trichloroethene	7.21	130	49551	6.253	ug/l	99
64) Tetrachloroethene	9.33	164	249388	36.081	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	24922	0.966	ug/l	97
95) Naphthalene	13.83	128	272172	9.091	ug/l	99

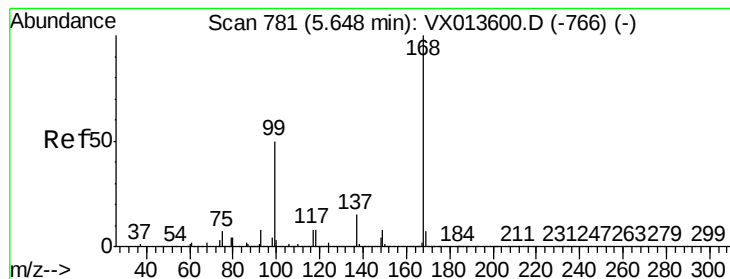
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120319\
Data File : VX013727.D
Acq On : 03 Dec 2019 16:11
Operator : JC/SP
Sample : K6025-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

Quant Time: Dec 04 06:37:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

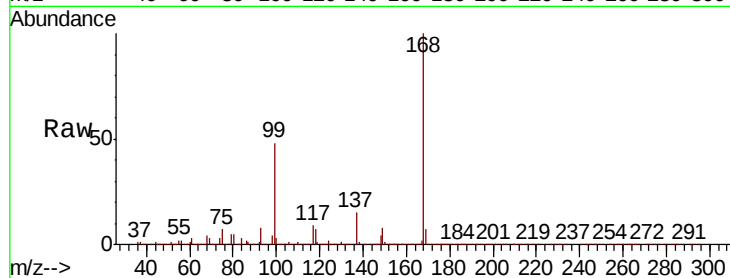
GROUNDWATER

Tot Ion:168 Resp: 685706

Ion Ratio Lower Upper

168 100

99 48.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

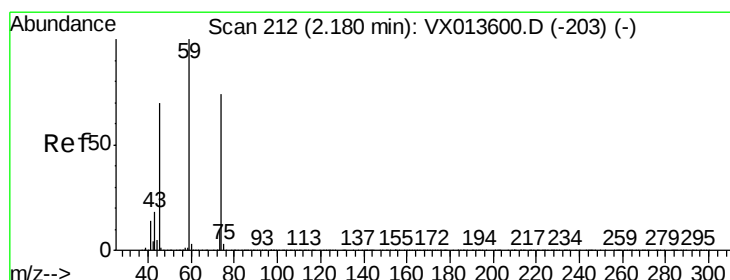
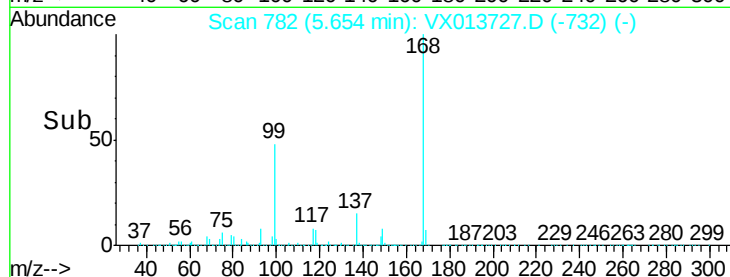
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.551 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013727.D

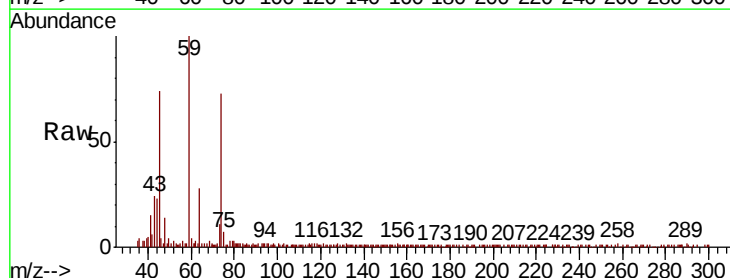
Acq: 03 Dec 2019 16:11

Tgt Ion: 74 Resp: 17197

Ion Ratio Lower Upper

74 100

45 95.6 48.9 146.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

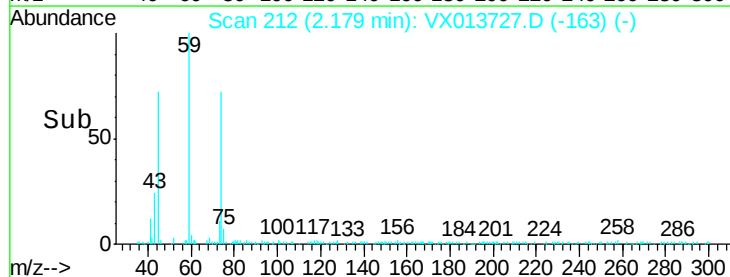
2.18

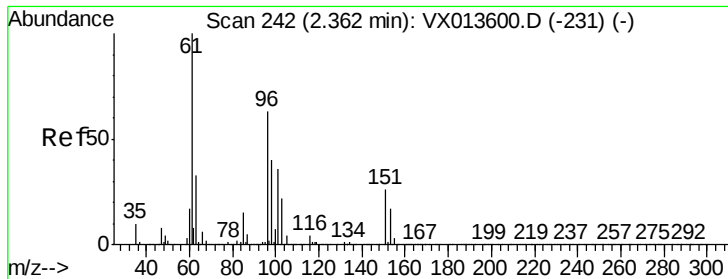
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.729 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

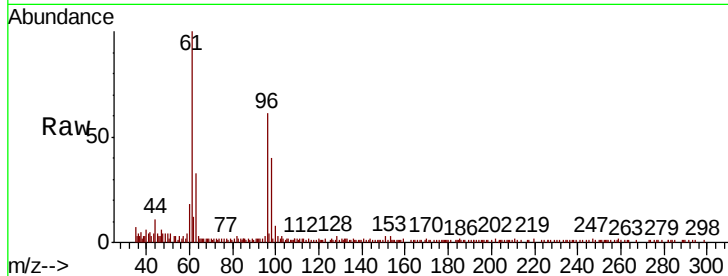
Tot Ion: 96 Resp: 11285

Ion Ratio Lower Upper

96 100

61 159.4 126.6 190.0

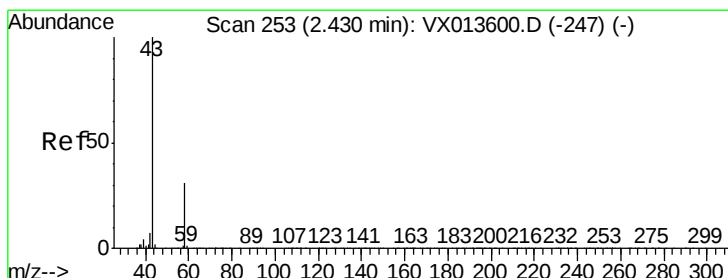
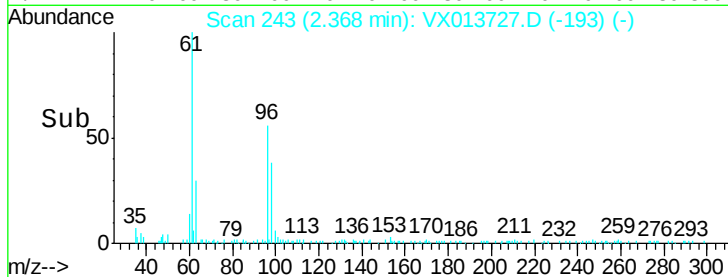
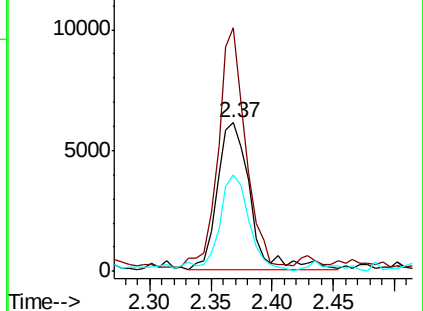
98 62.1 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 5.293 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013727.D

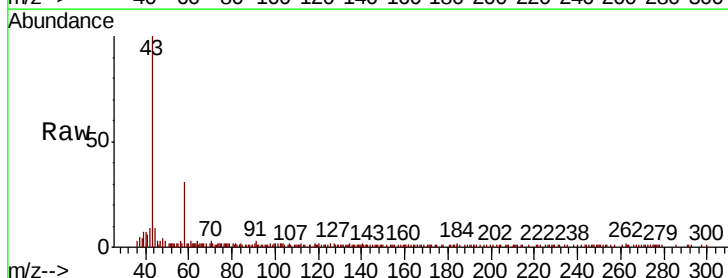
Acq: 03 Dec 2019 16:11

Tgt Ion: 43 Resp: 20800

Ion Ratio Lower Upper

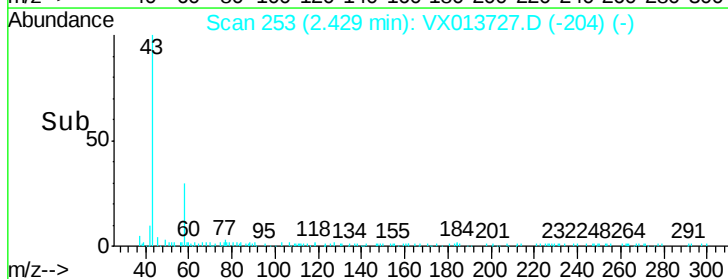
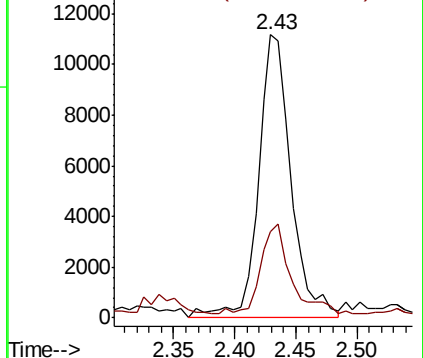
43 100

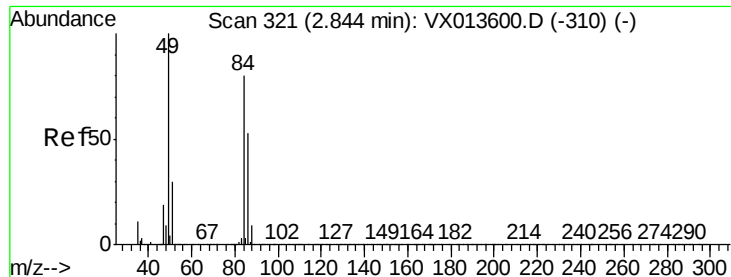
58 29.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

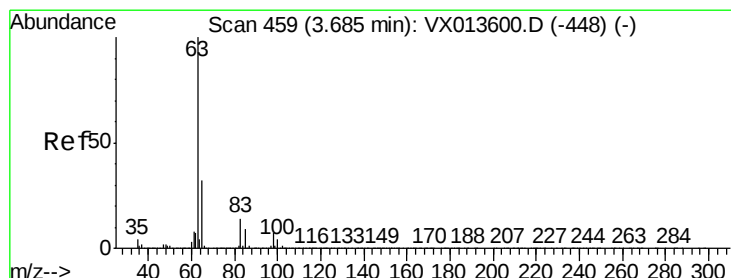
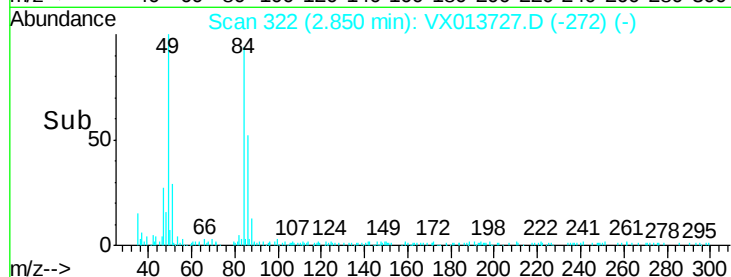
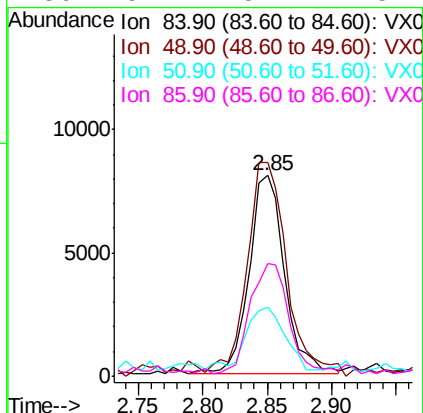
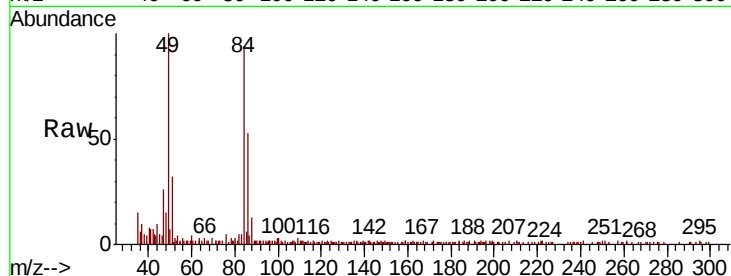




#20
Methvlene Chloride
Concen: 2.034 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013727.D
Acq: 03 Dec 2019 16:11

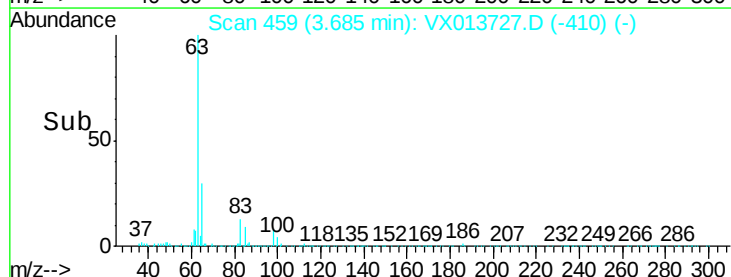
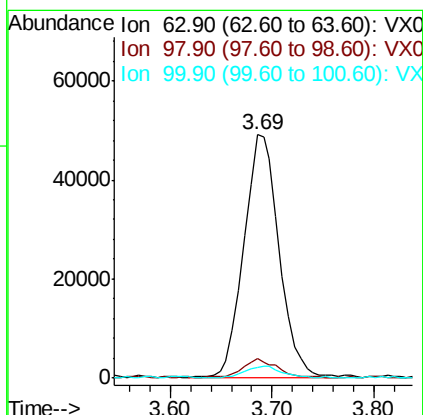
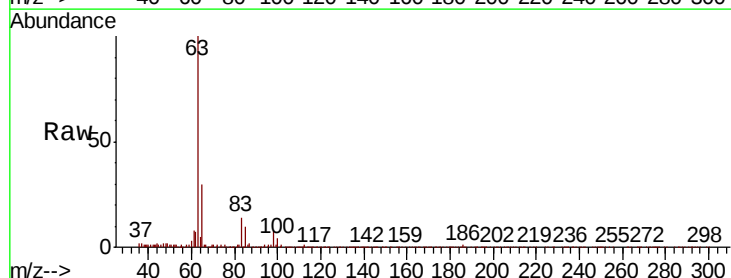
Instrument :
MSVOA_X
ClientSampleId :
GROUNDWATER

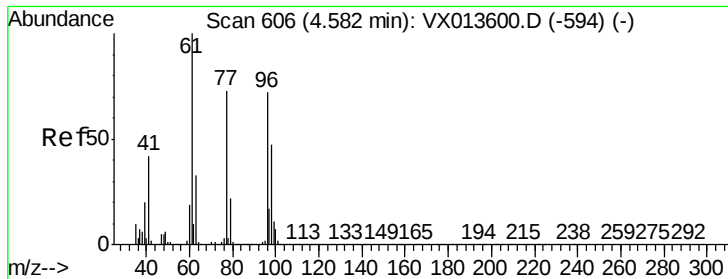
Tot Ion:	84	Resp:	15359
Ion	Ratio	Lower	Upper
84	100		
49	101.2	99.7	149.5
51	30.3	29.9	44.9
86	54.2	52.2	78.4



#24
1,1-Dichloroethane
Concen: 9.533 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013727.D
Acq: 03 Dec 2019 16:11

Tgt Ion:	63	Resp:	118830
Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.4
100	3.7	2.1	6.3





#27

cis-1,2-Dichloroethene

Concen: 1.676 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

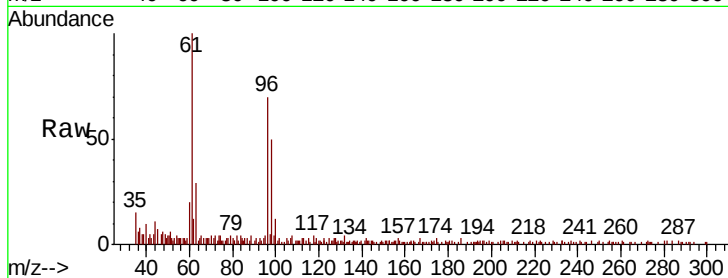
Tot Ion: 96 Resp: 13683

Ion Ratio Lower Upper

96 100

61 132.5 0.0 286.4

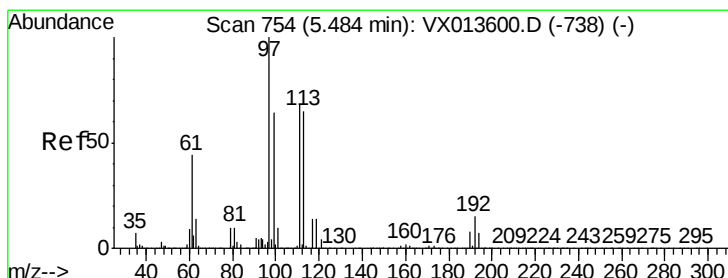
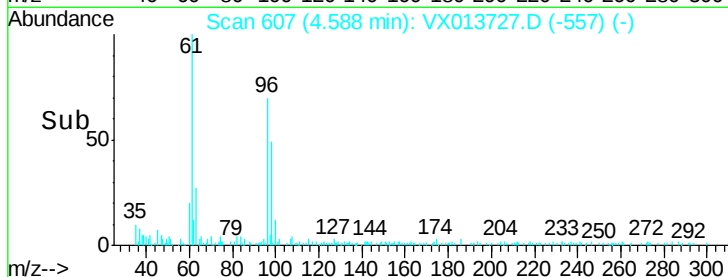
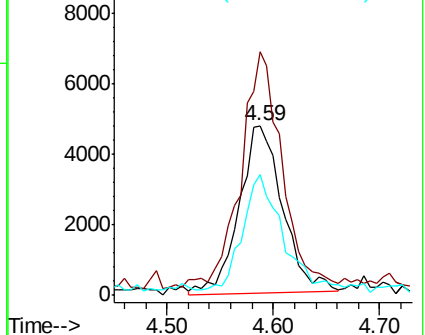
98 63.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#32

1,1,1-Trichloroethane

Concen: 13.902 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

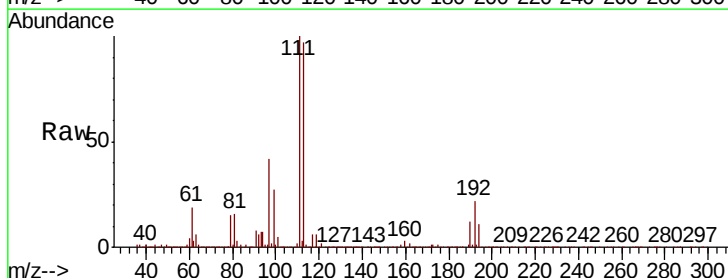
Tgt Ion: 97 Resp: 146869

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

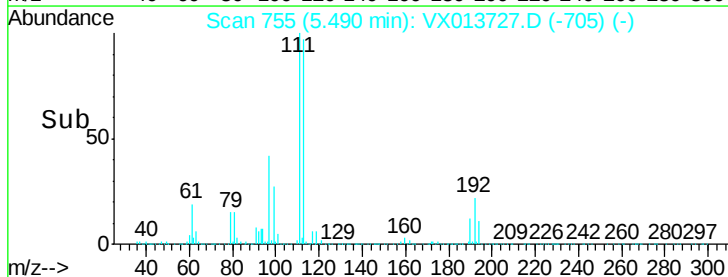
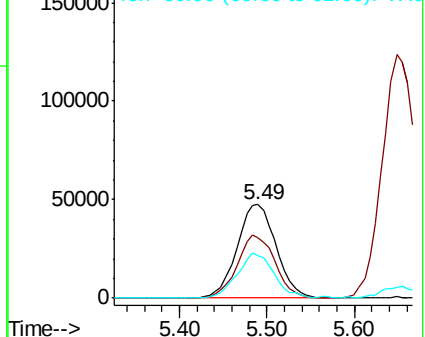
61 45.0 36.1 54.1

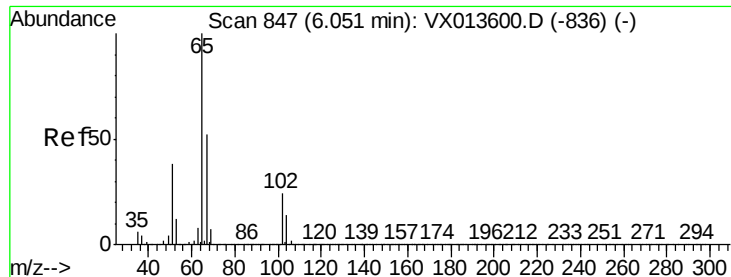


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

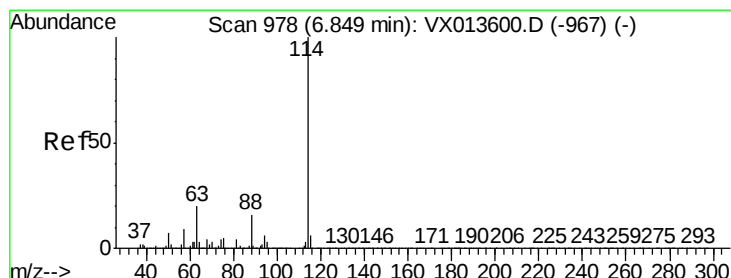
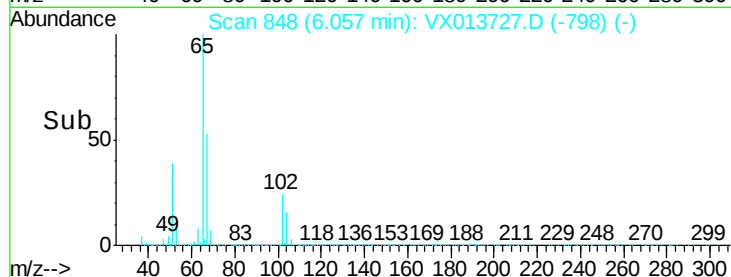
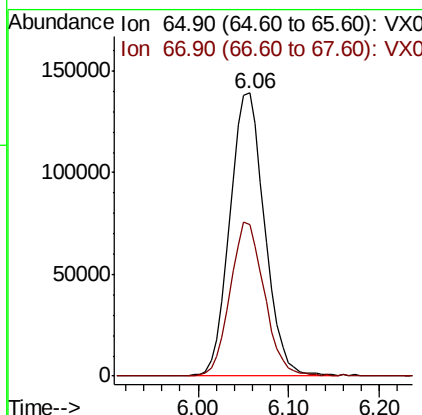
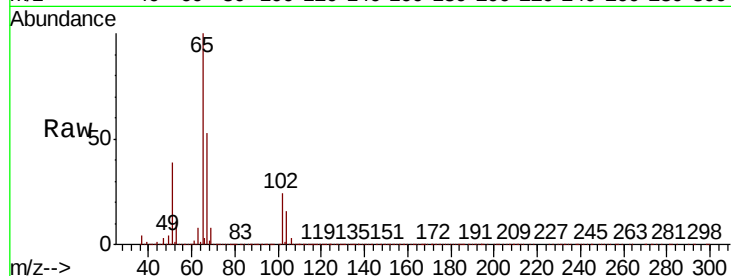




#33
 1,2-Dichloroethane-d4
 Concen: 46.269 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013727.D
 Acq: 03 Dec 2019 16:11

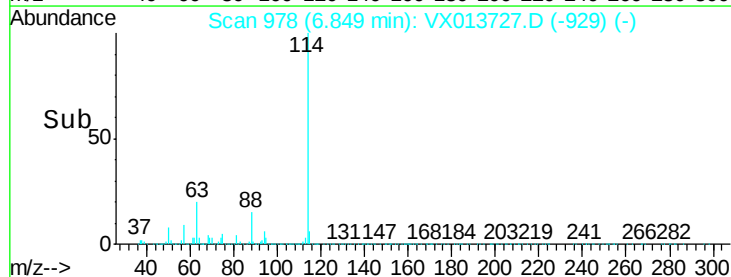
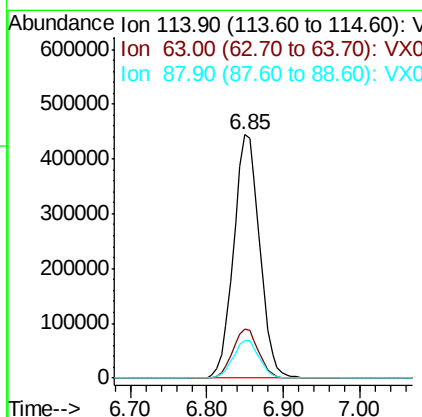
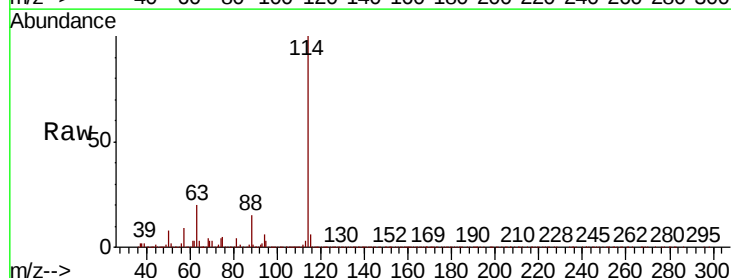
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

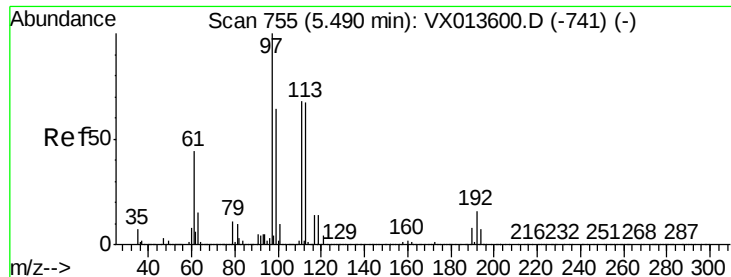
Tot Ion: 65 Resp: 368280
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013727.D
 Acq: 03 Dec 2019 16:11

Tgt Ion: 114 Resp: 1044428
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.056 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

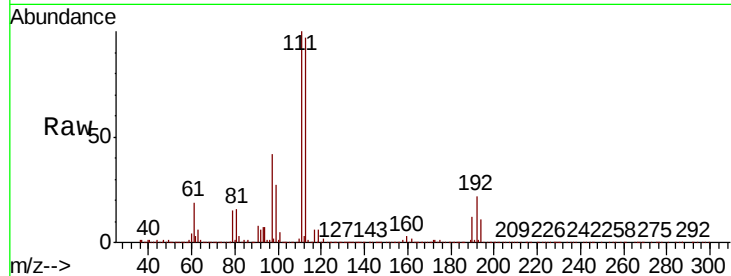
Tot Ion:113 Resp: 310287

Ion Ratio Lower Upper

113 100

111 101.8 83.6 125.4

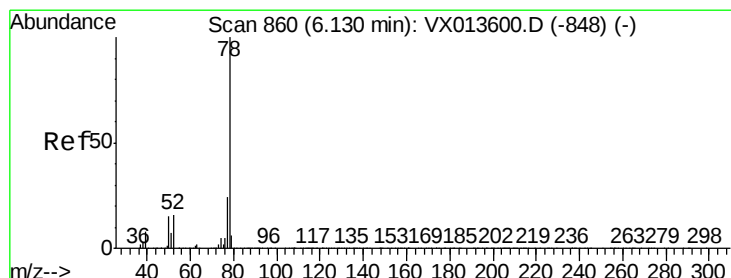
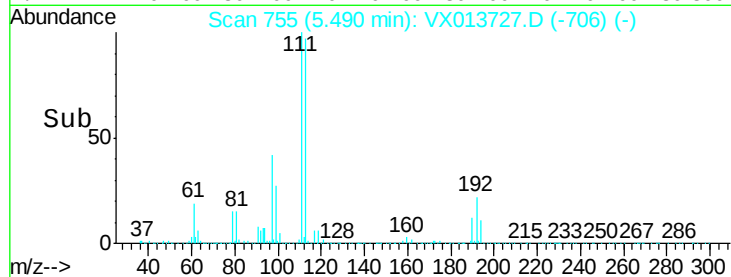
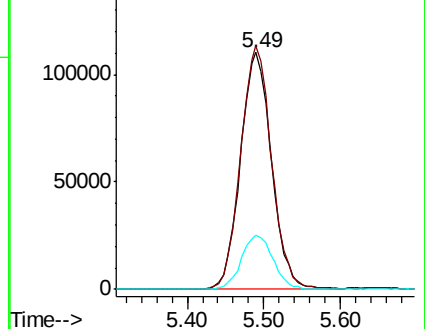
192 23.5 19.2 28.8



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



#40

Benzene

Concen: 0.396 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX013727.D

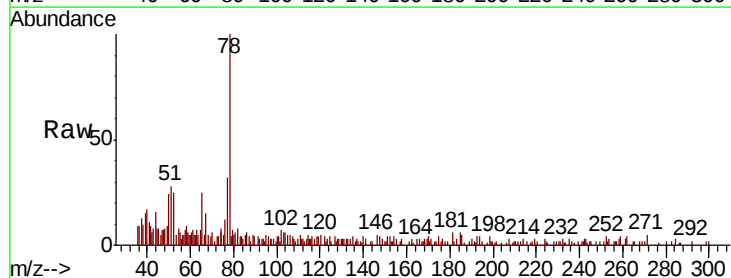
Acq: 03 Dec 2019 16:11

Tgt Ion: 78 Resp: 11421

Ion Ratio Lower Upper

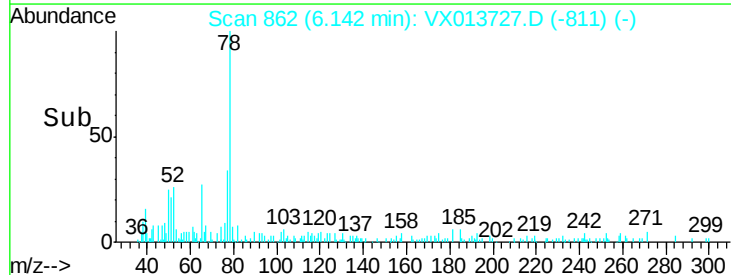
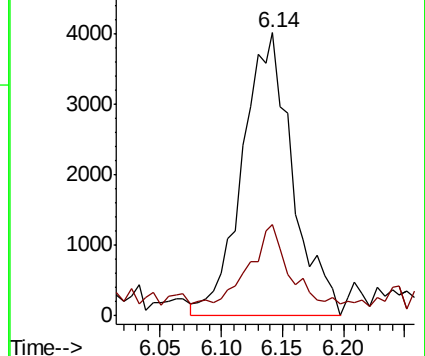
78 100

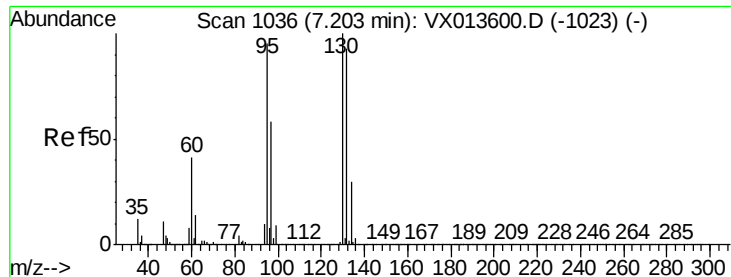
77 28.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

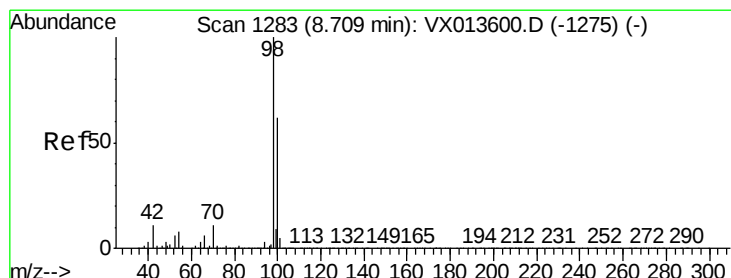
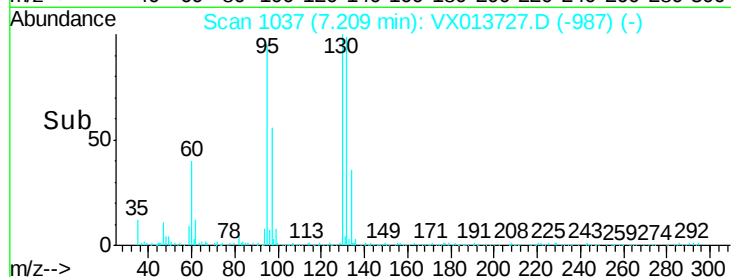
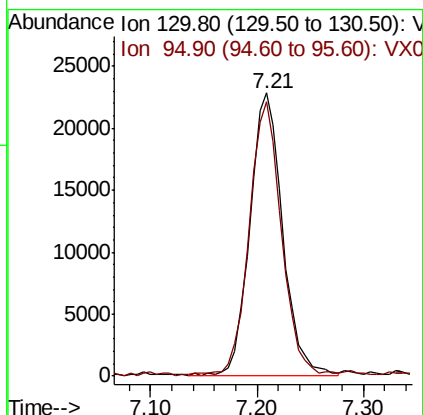
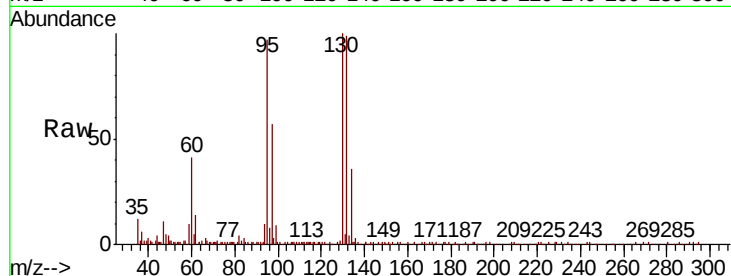




#44
 Trichloroethene
 Concen: 6.253 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013727.D
 Acq: 03 Dec 2019 16:11

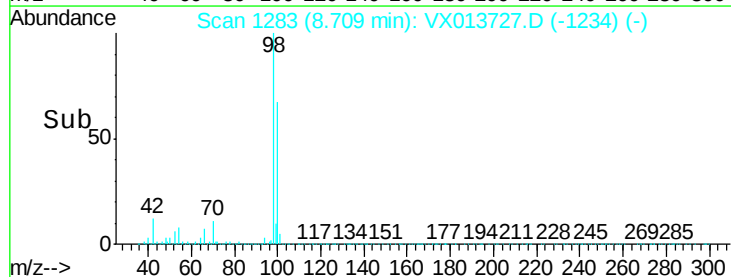
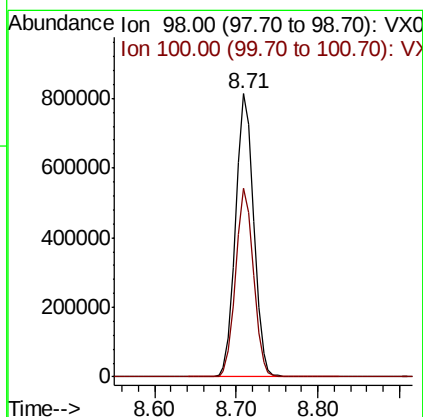
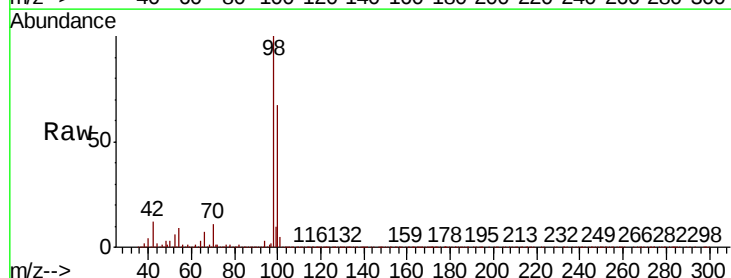
Instrument :
 MSVOA_X
 ClientSampleId :
 GROUNDWATER

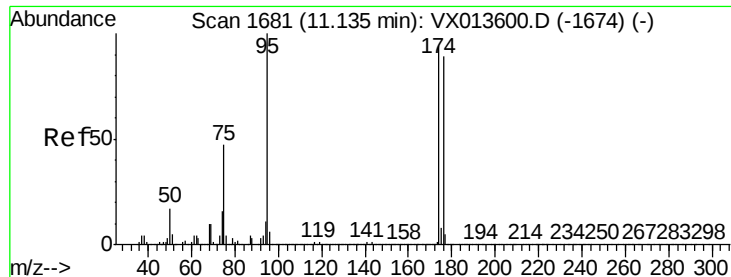
Tot Ion:130 Resp: 49551
 Ion Ratio Lower Upper
 130 100
 95 96.2 0.0 190.8



#50
 Toluene-d8
 Concen: 49.074 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013727.D
 Acq: 03 Dec 2019 16:11

Tgt Ion: 98 Resp: 1234523
 Ion Ratio Lower Upper
 98 100
 100 65.4 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.571 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

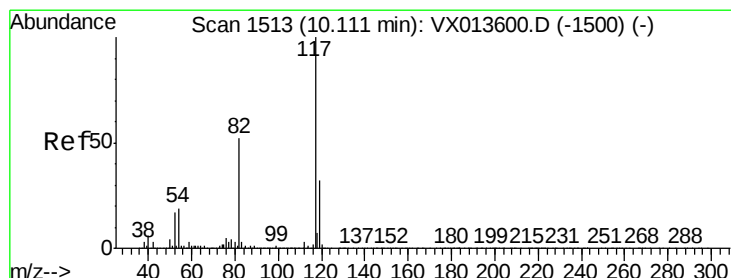
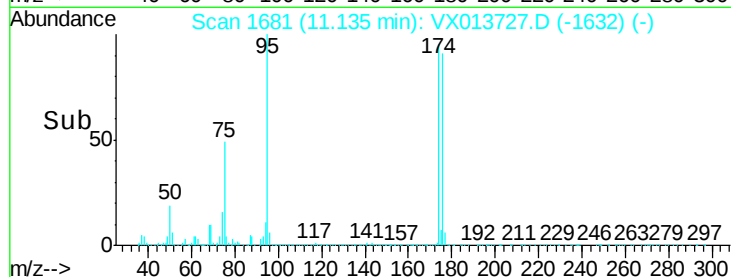
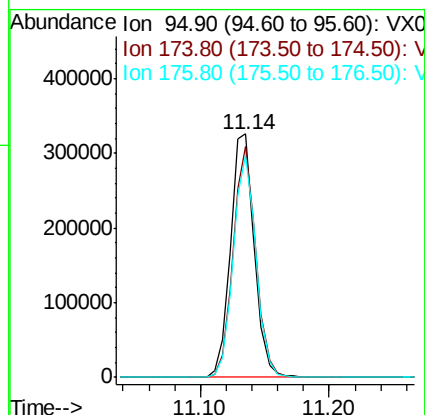
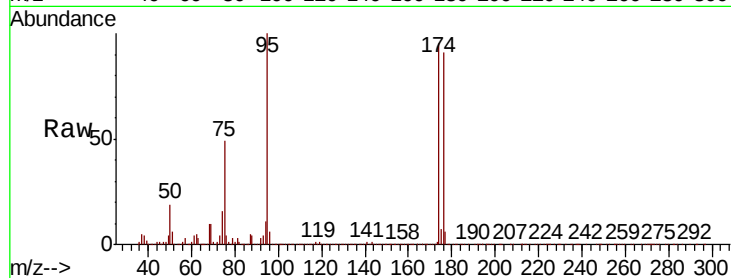
Tot Ion: 95 Resp: 422469

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

176 87.2 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

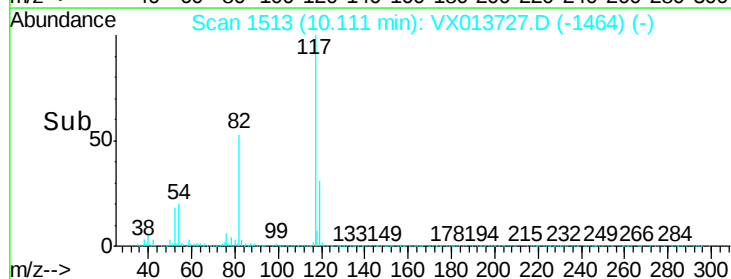
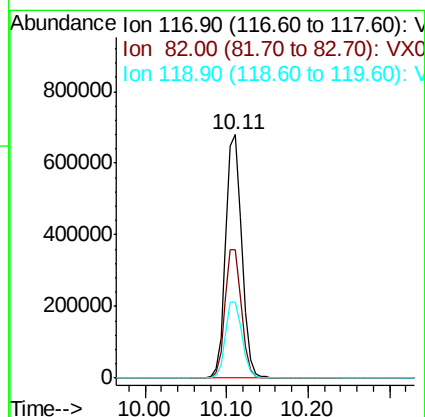
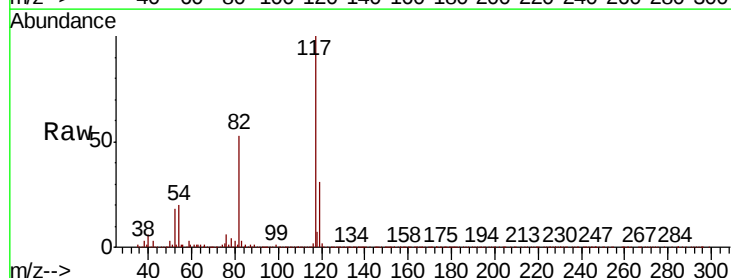
Tgt Ion: 117 Resp: 926857

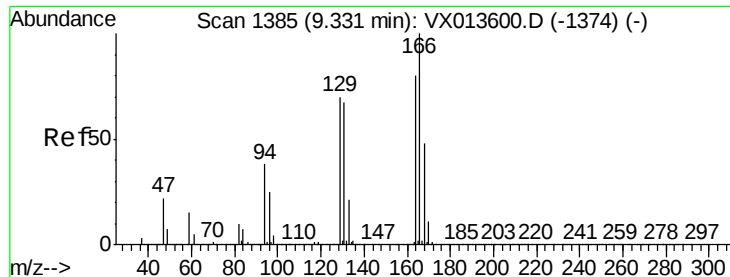
Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 31.3 25.8 38.8





#64

Tetrachloroethene

Concen: 36.081 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

GROUNDWATER

Tot Ion:164 Resp: 249388

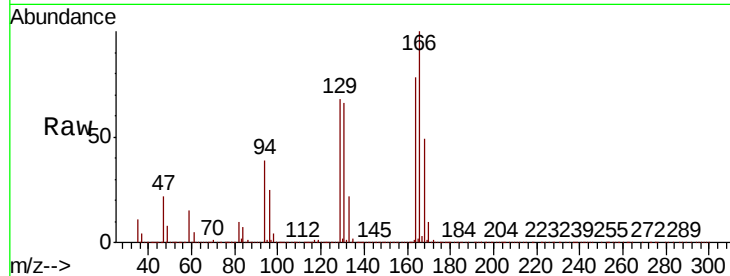
Ion Ratio Lower Upper

164 100

166 128.7 99.7 149.5

129 87.1 70.1 105.1

131 85.1 66.9 100.3

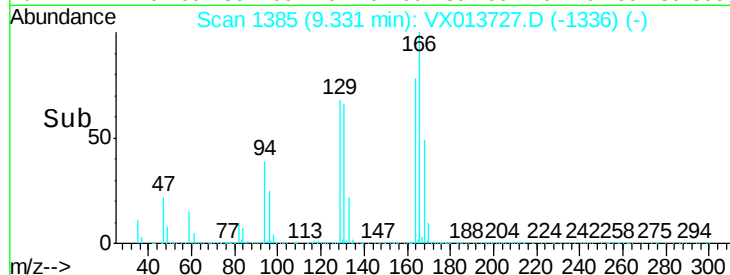


Abundance Ion 163.80 (163.50 to 164.50): V

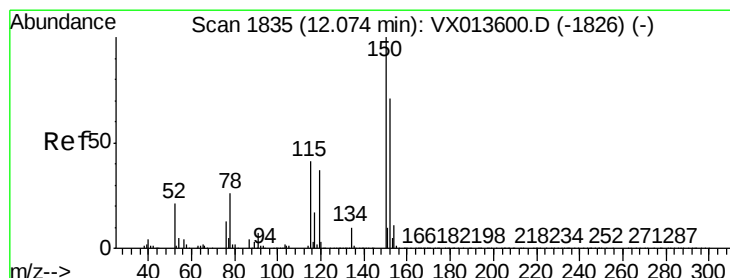
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

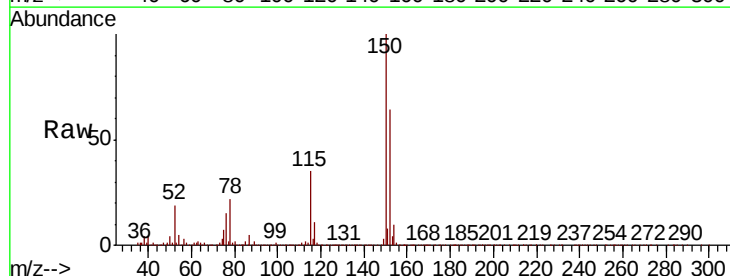
Tgt Ion:152 Resp: 441954

Ion Ratio Lower Upper

152 100

115 56.1 38.4 115.1

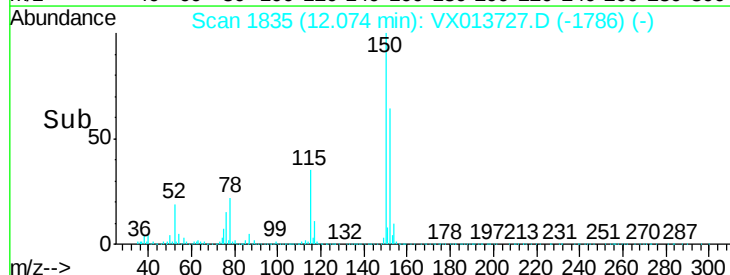
150 156.2 0.0 346.8



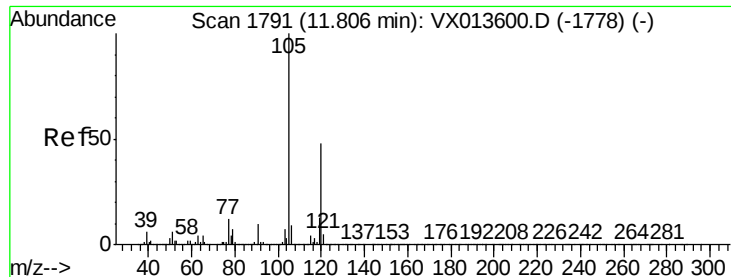
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.966 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Instrument :

MSVOA_X

ClientSampleId :

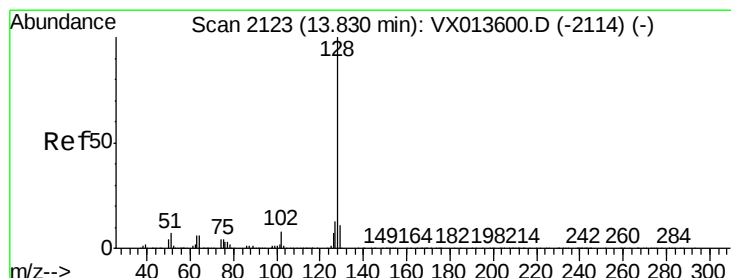
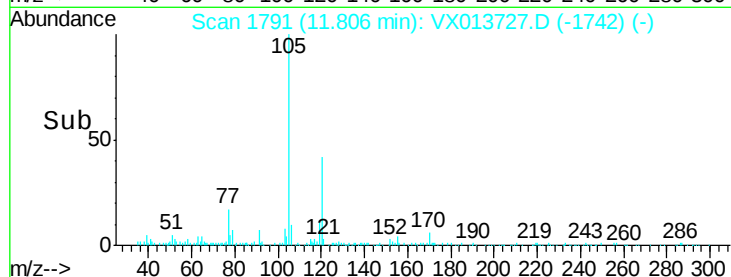
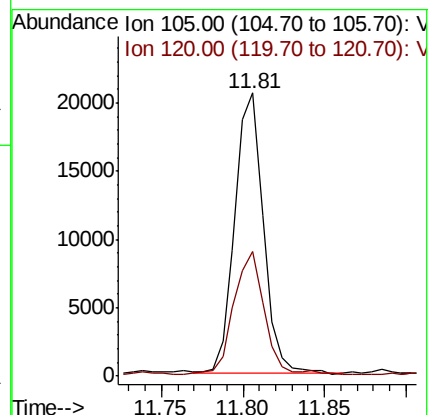
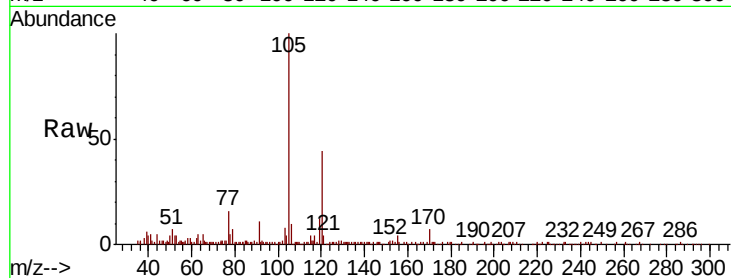
GROUNDWATER

Tot Ion:105 Resp: 24922

Ion Ratio Lower Upper

105 100

120 48.0 23.1 69.3



#95

Naphthalene

Concen: 9.091 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013727.D

Acq: 03 Dec 2019 16:11

Tgt Ion:128 Resp: 272172

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.0 8.7 13.1

