

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122319\
 Data File : VX014211.D
 Acq On : 23 Dec 2019 18:43
 Operator : JC/SP
 Sample : K6387-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Dec 24 08:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	863833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	775631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	348612	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	309713	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
35) Dibromofluoromethane	5.49	113	255613	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	1020689	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.14	95	348236	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	

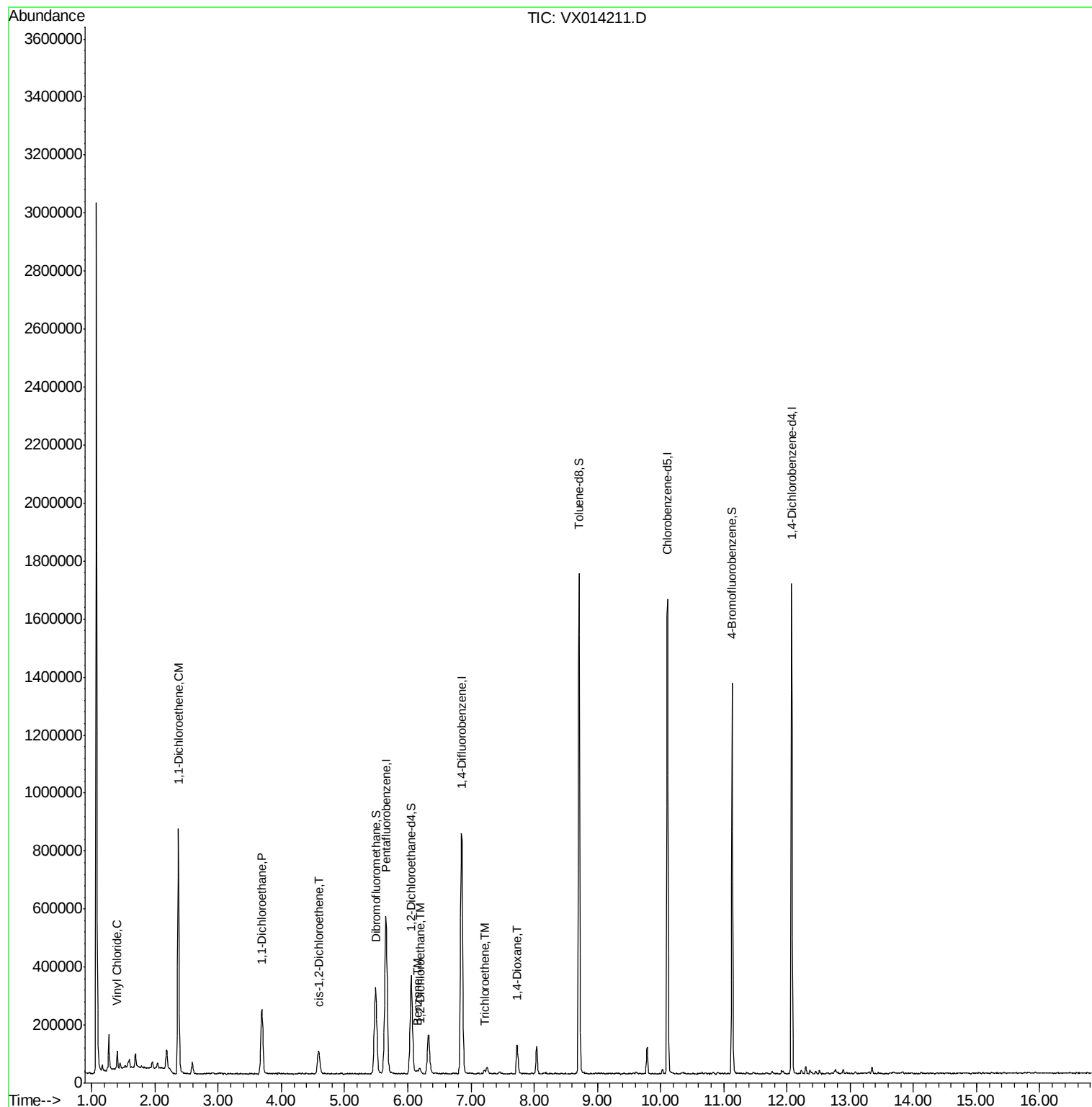
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	40259	5.648	ug/l	98
12) 1,1-Dichloroethene	2.37	96	281286	51.974	ug/l	98
24) 1,1-Dichloroethane	3.69	63	260310	24.298	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	52326	7.760	ug/l	86
40) Benzene	6.14	78	11710	0.480	ug/l #	90
42) 1,2-Dichloroethane	6.19	62	20568	2.488	ug/l	95
44) Trichloroethene	7.21	130	6214	0.922	ug/l	95
49) 1,4-Dioxane	7.73	88	75056	519.975	ug/l	95

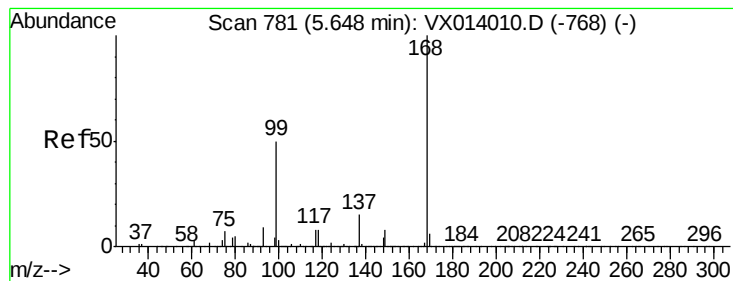
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: Dec 24 08:00:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampled :

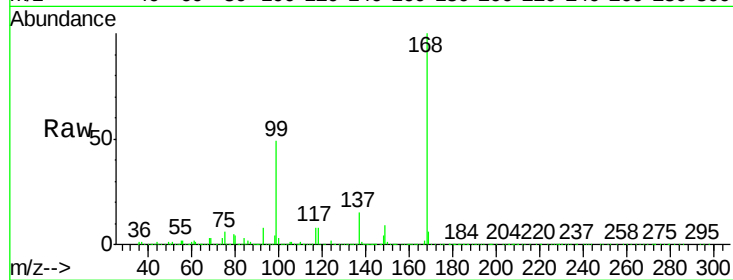
MW-2

Tot Ion:168 Resp: 562621

Ion Ratio Lower Upper

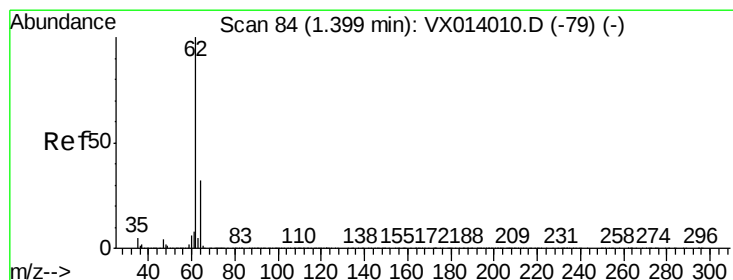
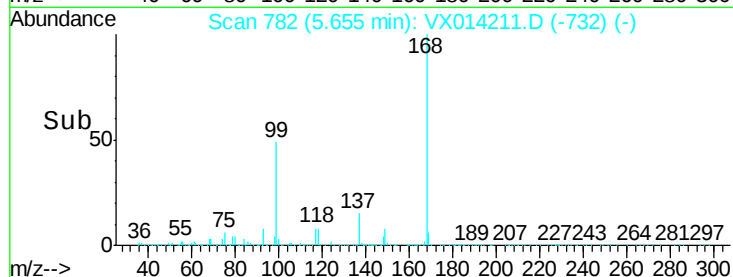
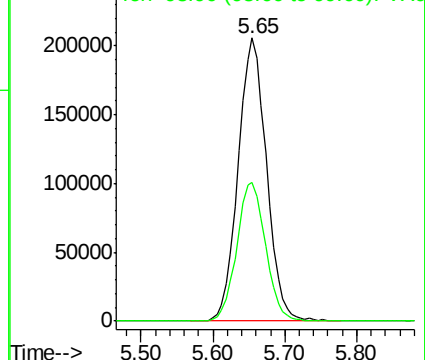
168 100

99 49.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 5.648 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014211.D

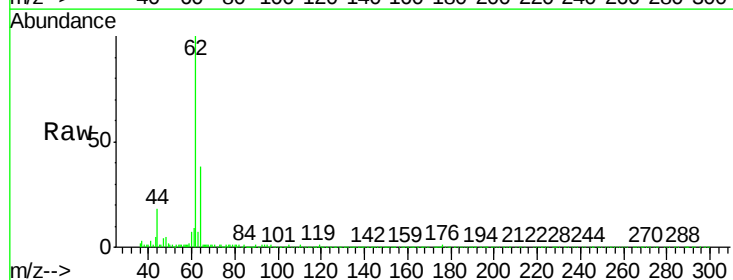
Acq: 23 Dec 2019 18:43

Tgt Ion: 62 Resp: 40259

Ion Ratio Lower Upper

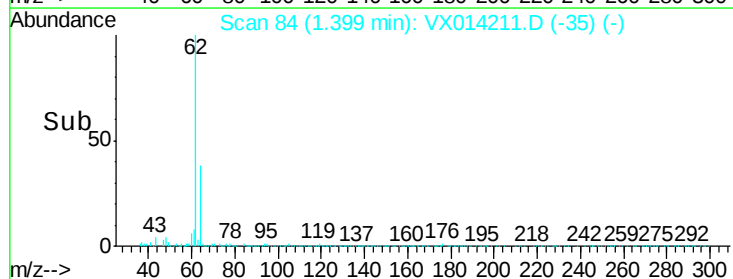
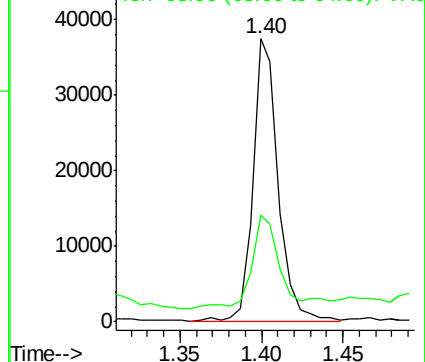
62 100

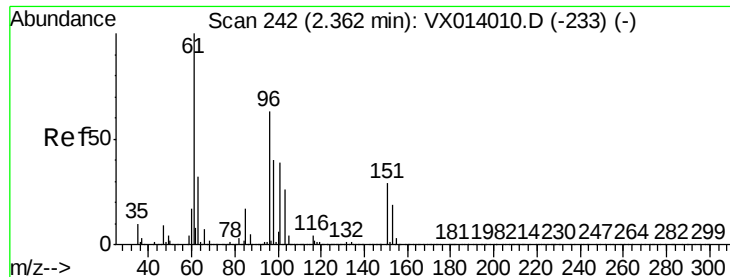
64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 51.974 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

MW-2

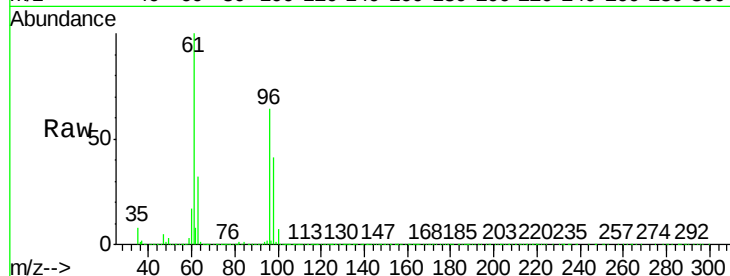
Tot Ion: 96 Resp: 281286

Ion Ratio Lower Upper

96 100

61 156.1 127.9 191.9

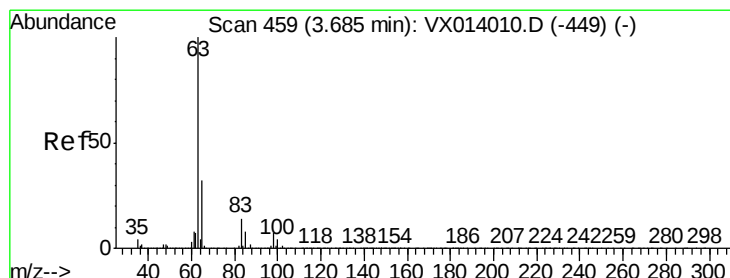
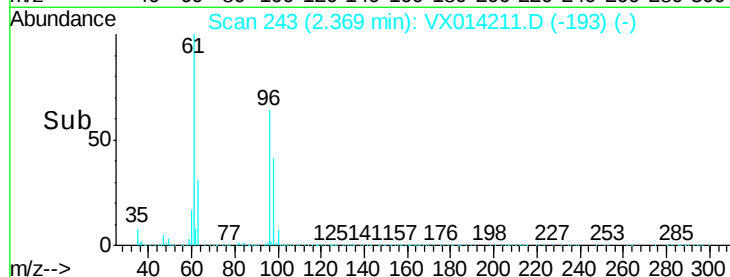
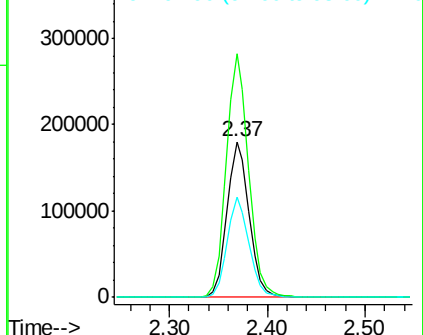
98 63.9 50.5 75.7



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



#24

1,1-Dichloroethane

Concen: 24.298 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

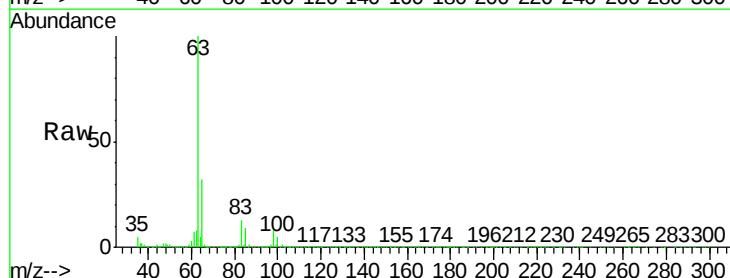
Tgt Ion: 63 Resp: 260310

Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

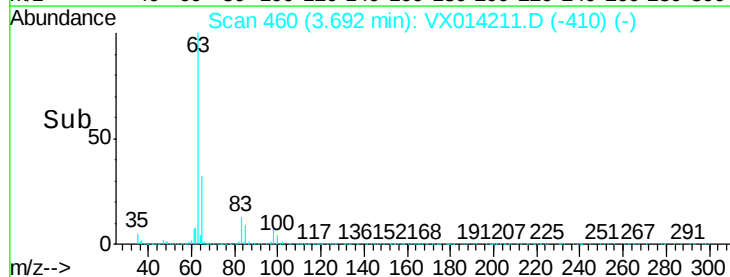
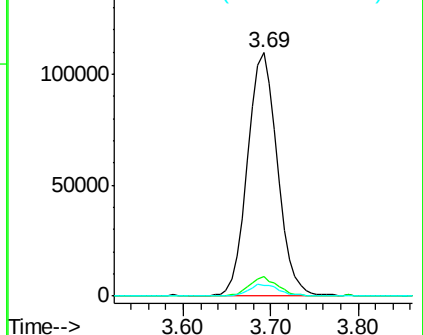
100 4.4 2.3 6.8

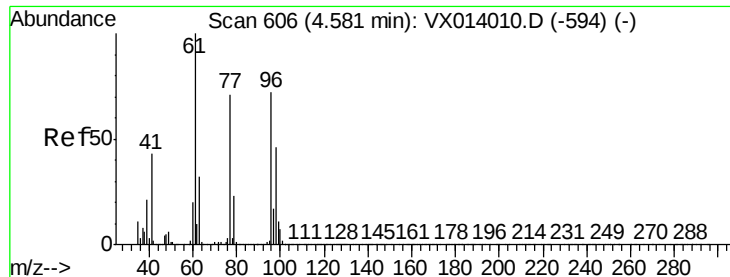


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



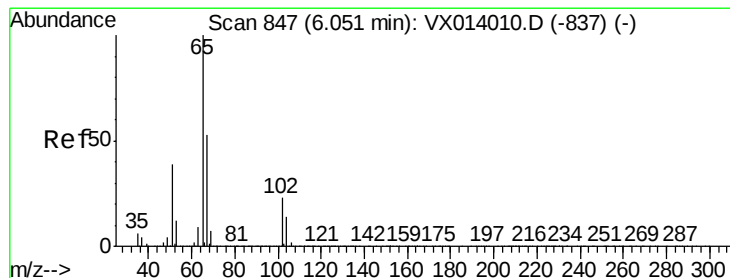
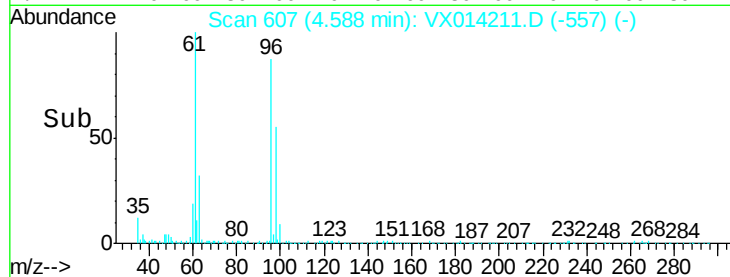
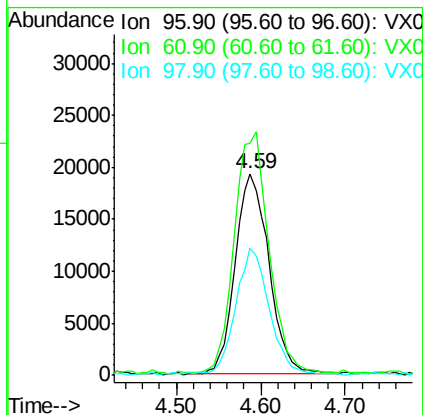
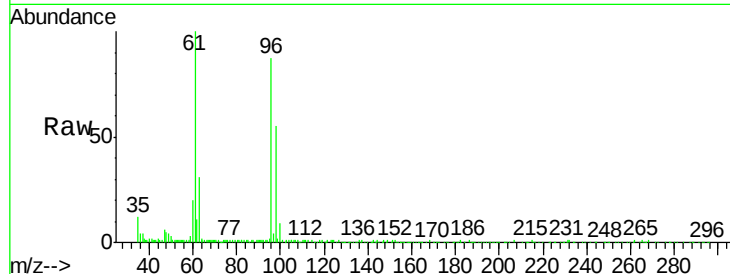


#27

cis-1,2-Dichloroethene
Concen: 7.760 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014211.D
Acq: 23 Dec 2019 18:43

Instrument :
MSVOA_X
ClientSampled :
MW-2

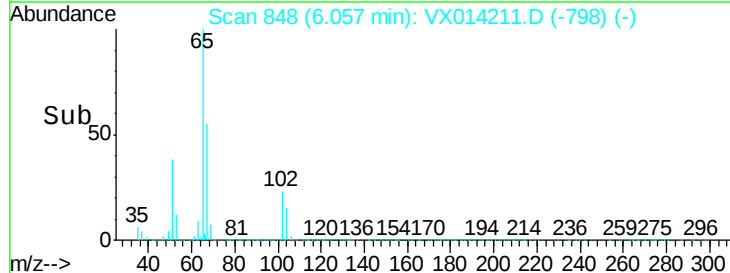
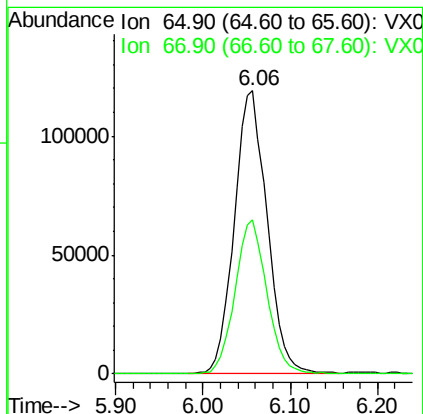
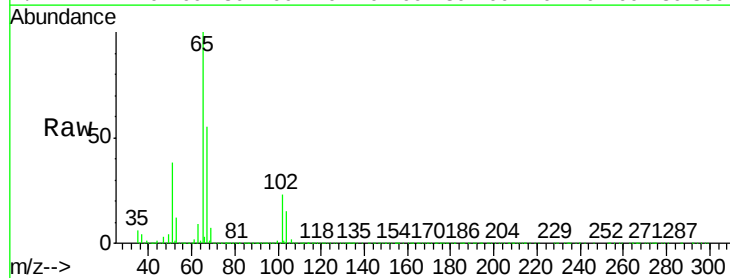
Tot Ion	96	Resp	52326
Ion	Ratio	Lower	Upper
96	100		
61	122.2	0.0	288.4
98	61.5	0.0	129.6

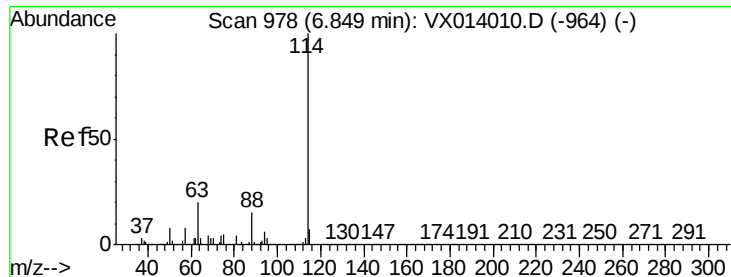


#33

1,2-Dichloroethane-d4
Concen: 48.571 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014211.D
Acq: 23 Dec 2019 18:43

Tgt Ion	65	Resp	309713
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

MW-2

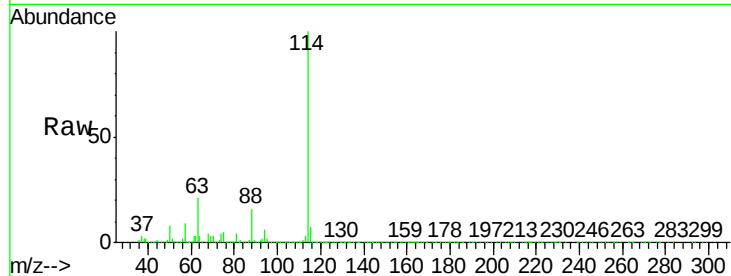
Tot Ion:114 Resp: 863833

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.2 0.0 30.4



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

500000

400000

300000

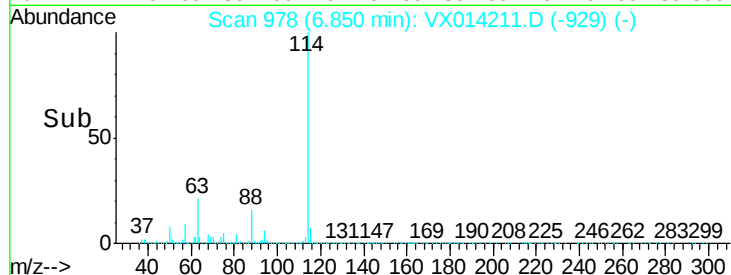
200000

100000

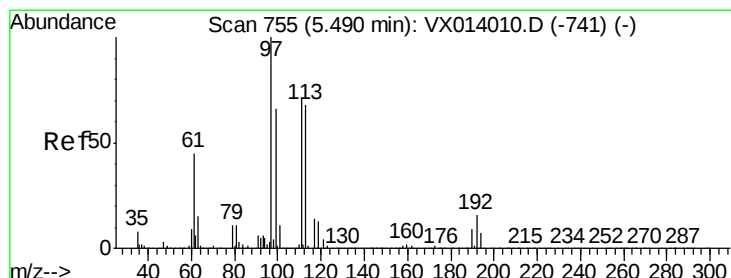
0

6.85

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 48.678 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

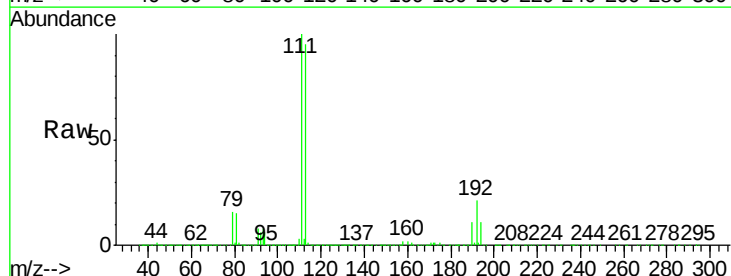
Tgt Ion:113 Resp: 255613

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 24.0 19.3 28.9



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

120000

100000

80000

60000

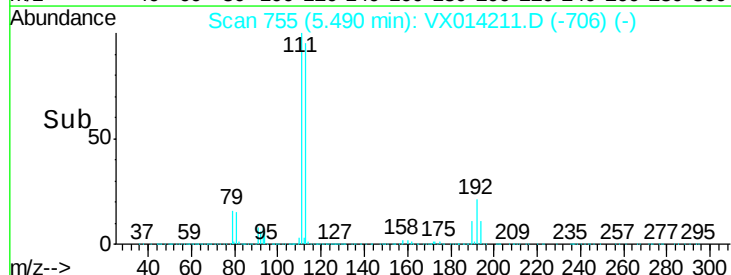
40000

20000

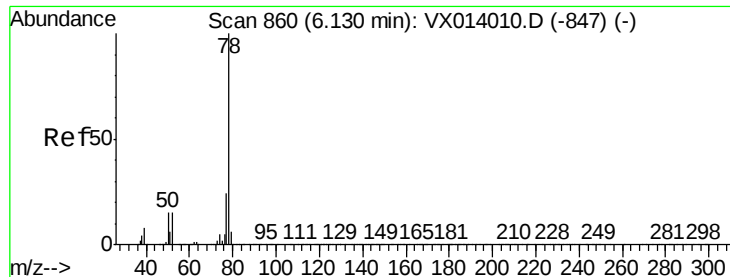
0

5.49

5.40 5.50 5.60



Time-->



#40

Benzene

Concen: 0.480 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

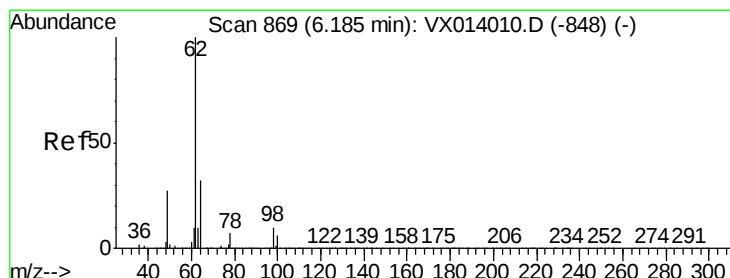
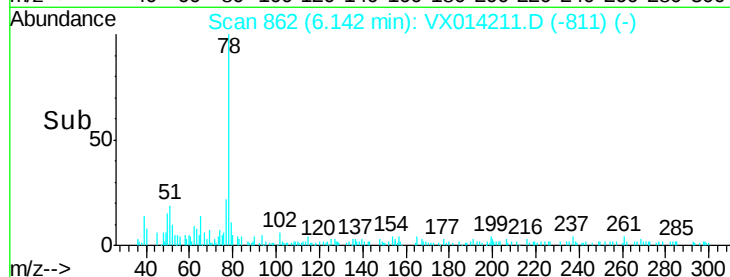
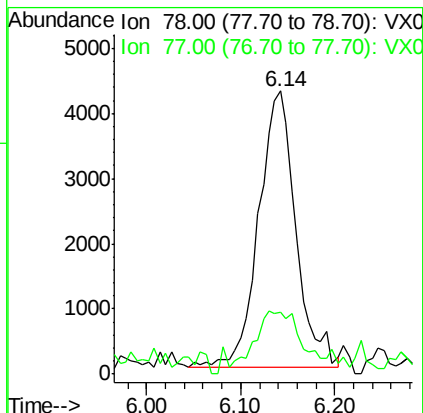
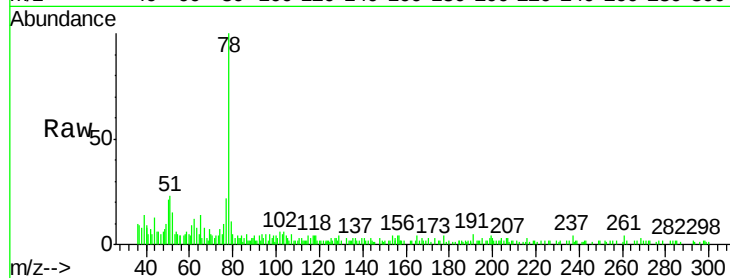
MW-2

Tot Ion: 78 Resp: 11710

Ion Ratio Lower Upper

78 100

77 18.7 18.8 28.2#



#42

1,2-Dichloroethane

Concen: 2.488 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX014211.D

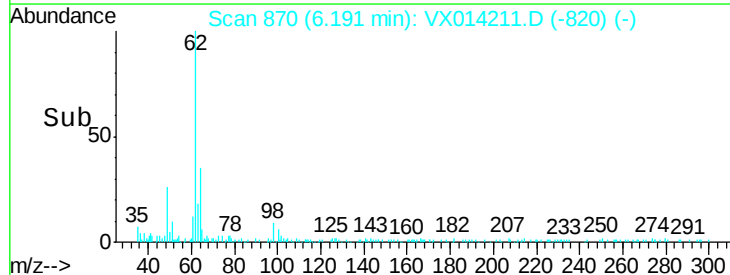
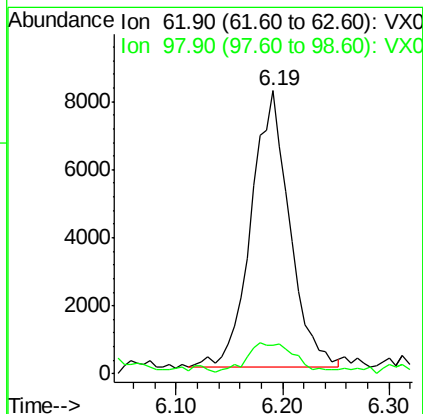
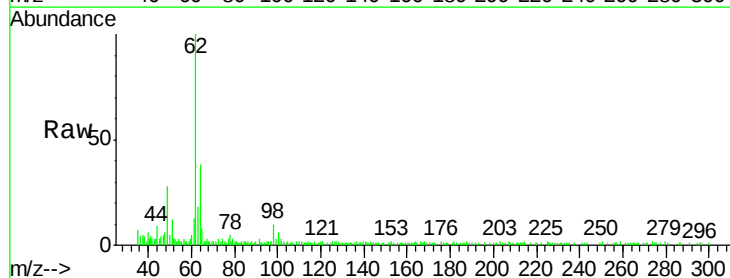
Acq: 23 Dec 2019 18:43

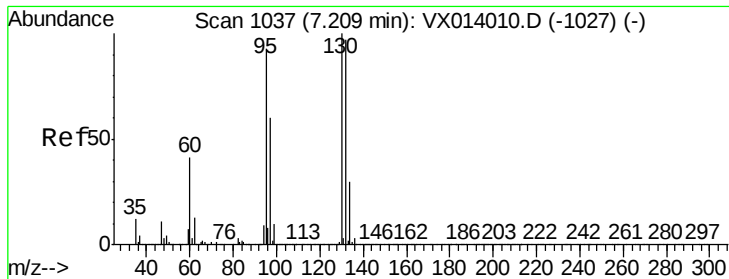
Tgt Ion: 62 Resp: 20568

Ion Ratio Lower Upper

62 100

98 12.4 0.0 21.0





#44

Trichloroethene

Concen: 0.922 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

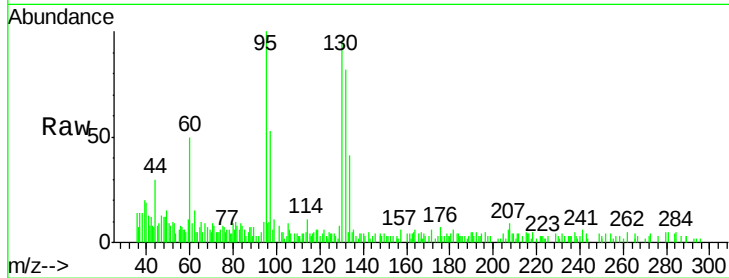
MW-2

Tot Ion:130 Resp: 6214

Ion Ratio Lower Upper

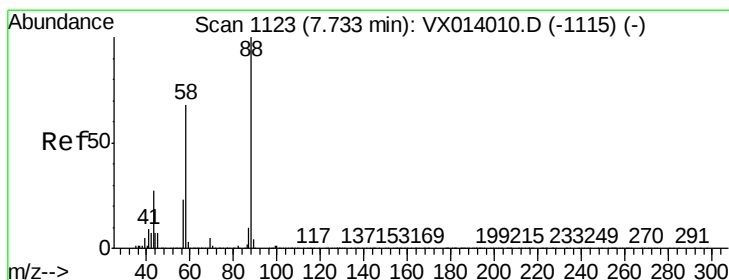
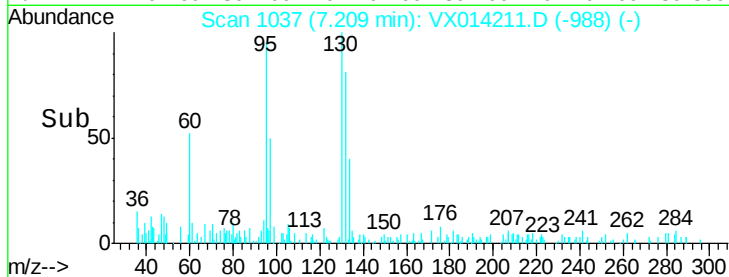
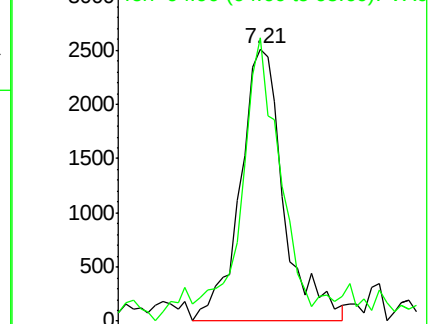
130 100

95 97.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 519.975 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

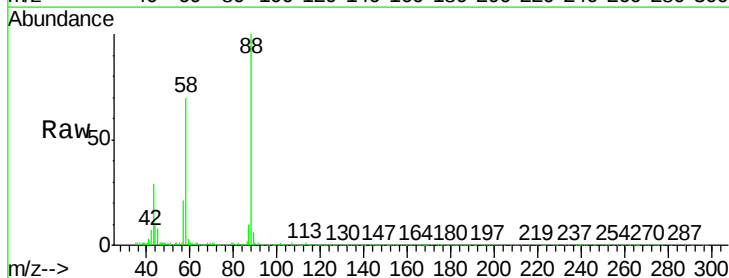
Tgt Ion: 88 Resp: 75056

Ion Ratio Lower Upper

88 100

43 27.6 26.5 39.7

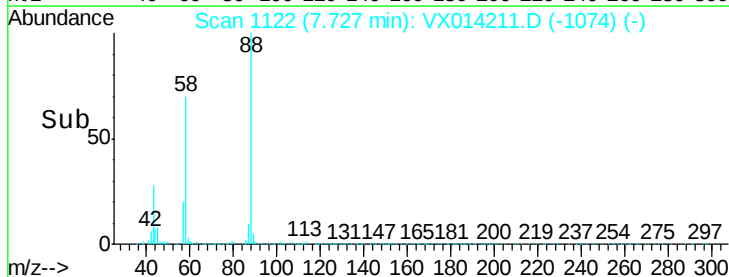
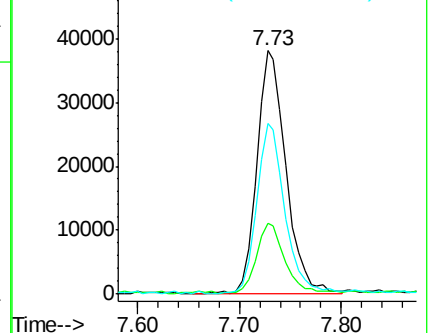
58 68.2 56.8 85.2

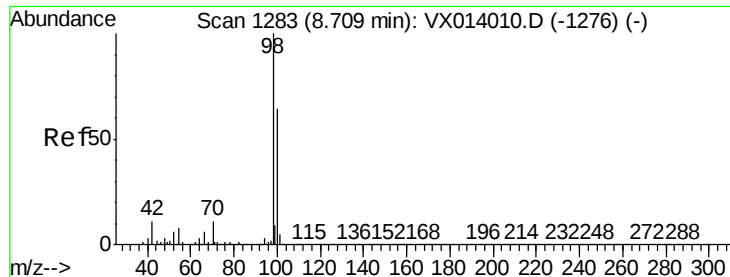


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.926 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

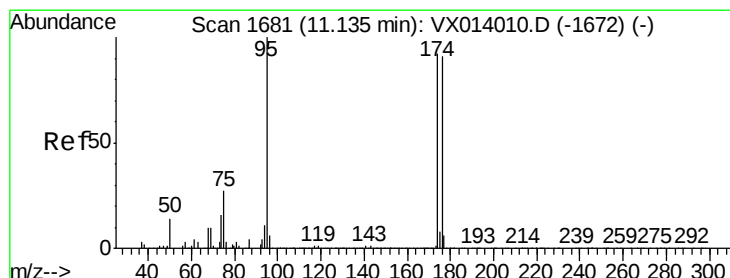
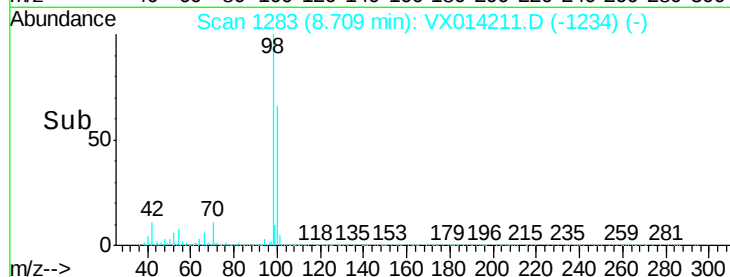
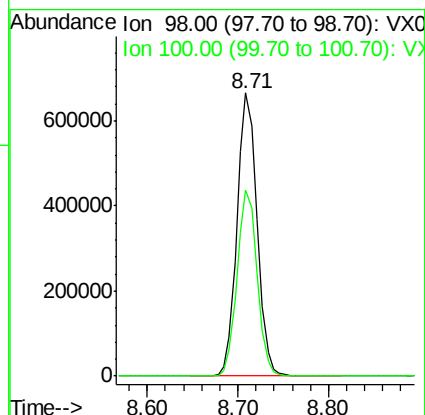
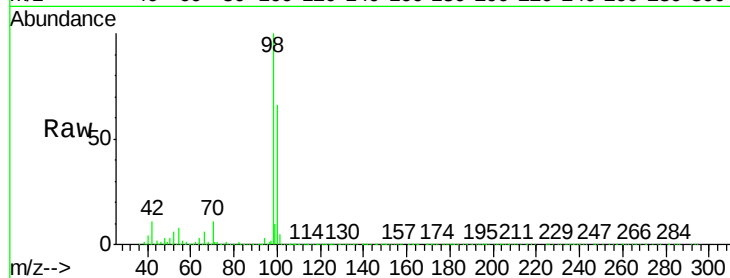
MW-2

Tot Ion: 98 Resp: 1020689

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.598 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014211.D

Acq: 23 Dec 2019 18:43

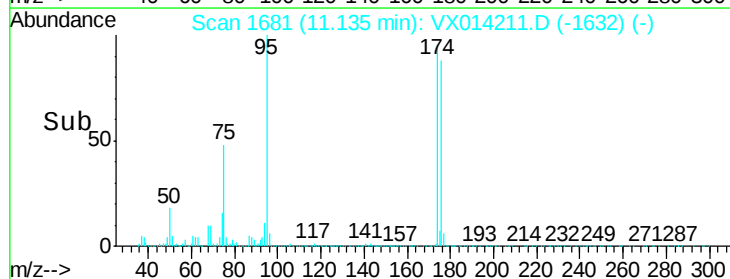
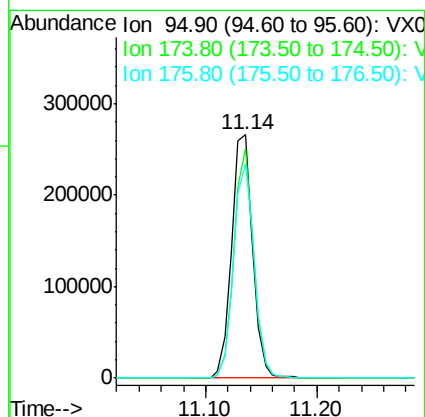
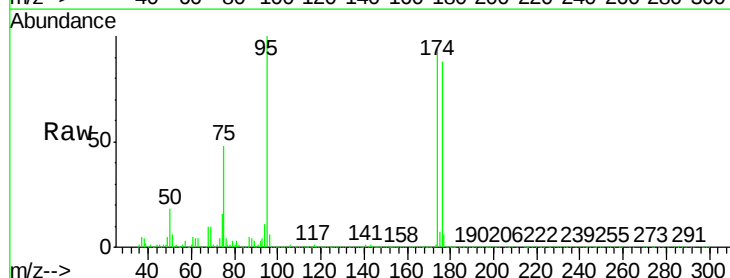
Tgt Ion: 95 Resp: 348236

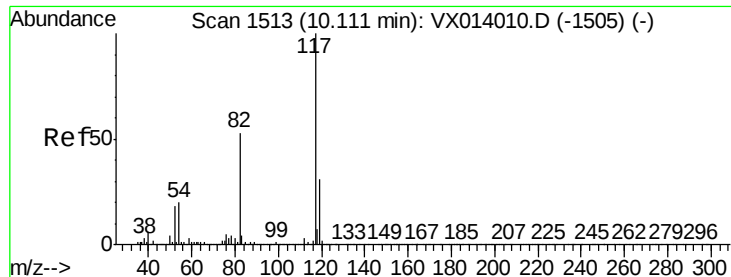
Ion Ratio Lower Upper

95 100

174 88.8 0.0 175.8

176 86.0 0.0 173.0

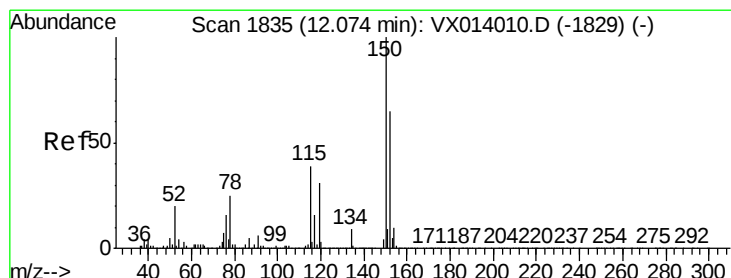
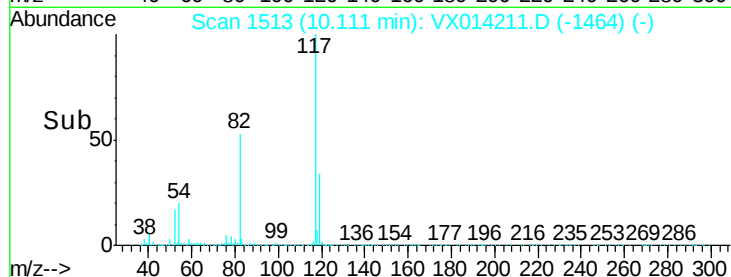
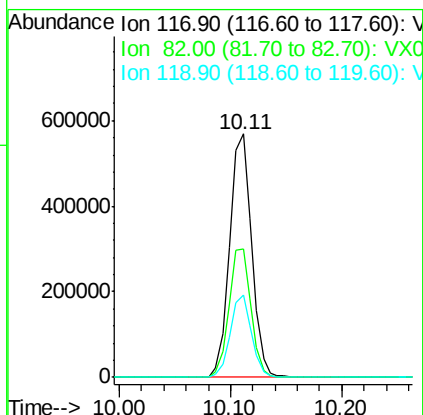
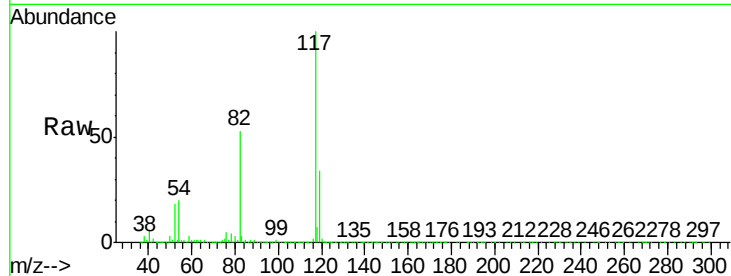




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014211.D
Acq: 23 Dec 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion:117 Resp: 775631
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 33.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014211.D
Acq: 23 Dec 2019 18:43

Tgt Ion:152 Resp: 348612
Ion Ratio Lower Upper
152 100
115 55.6 38.3 114.9
150 157.8 0.0 345.4

