

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122319\
 Data File : VX014210.D
 Acq On : 23 Dec 2019 18:19
 Operator : JC/SP
 Sample : K6387-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Dec 24 03:26:38 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	562081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	861436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	776127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	348556	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	308752	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.49	113	256436	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	1022266	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	348735	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

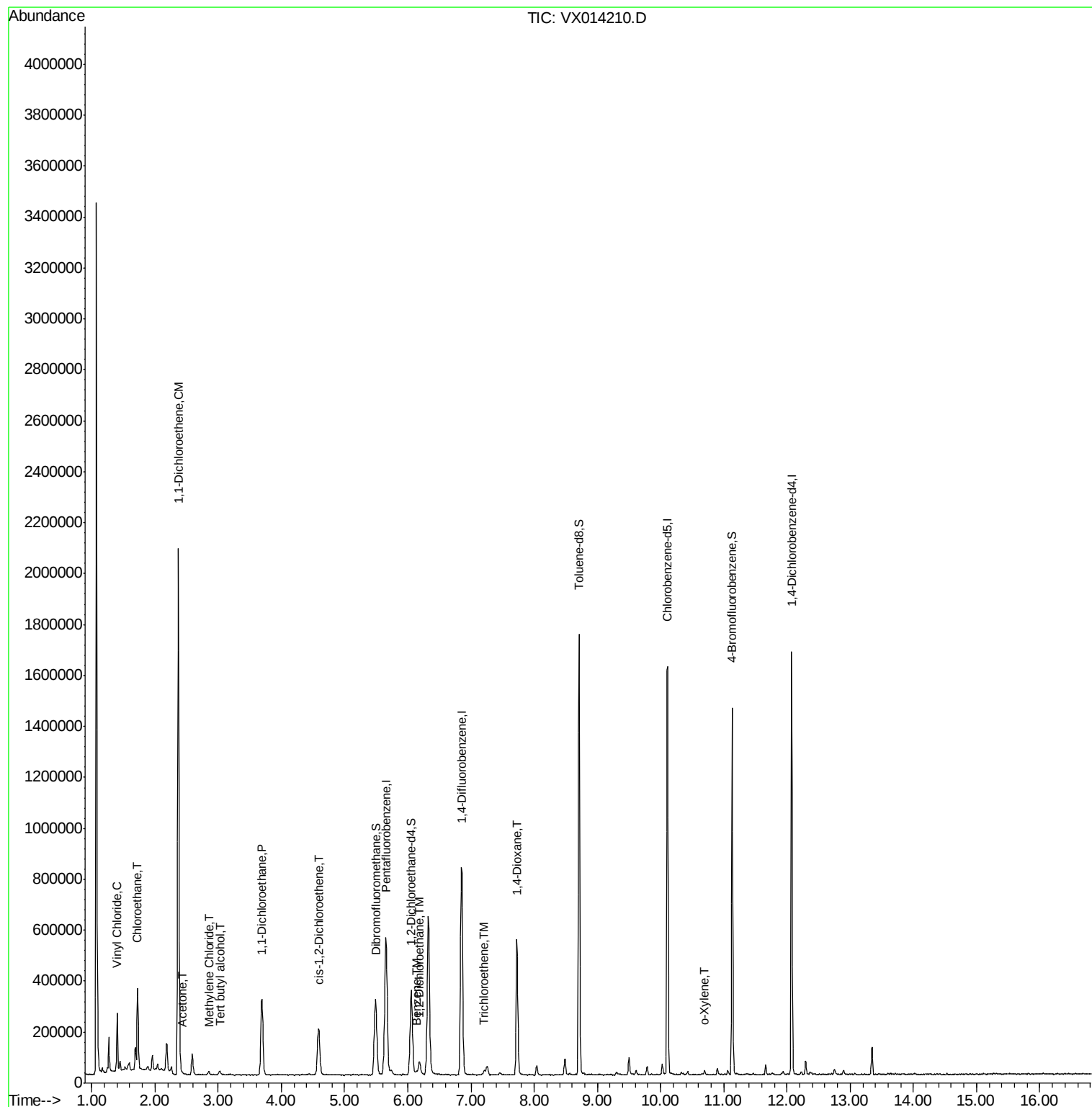
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	143993	20.222	ug/l	98
6) Chloroethane	1.72	64	215900	49.126	ug/l	94
11) Tert butyl alcohol	3.02	59	20056	14.570	ug/l #	88
12) 1,1-Dichloroethene	2.37	96	688634	127.363	ug/l	99
16) Acetone	2.44	43	7333	1.773	ug/l	95
20) Methylene Chloride	2.85	84	7545	1.159	ug/l	97
24) 1,1-Dichloroethane	3.69	63	345708	32.300	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	119669	17.764	ug/l	88
40) Benzene	6.14	78	17548	0.722	ug/l	94
42) 1,2-Dichloroethane	6.18	62	57690	6.998	ug/l	100
44) Trichloroethene	7.21	130	8491	1.264	ug/l	90
49) 1,4-Dioxane	7.73	88	392245	2724.965	ug/l	92
69) o-Xylene	10.70	106	4842	0.452	ug/l	88

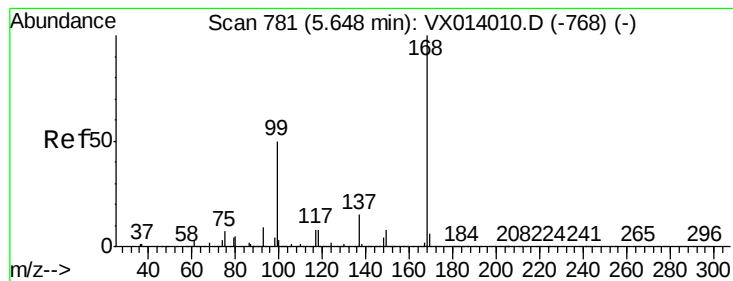
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

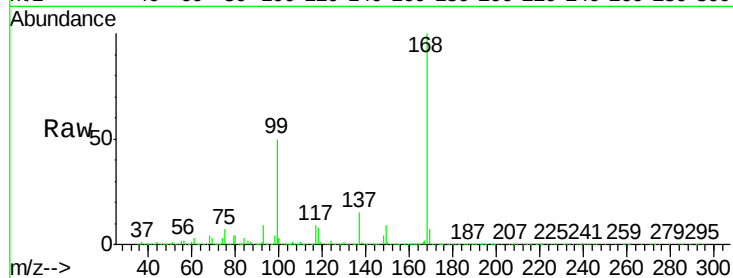
MW-1

Tot Ion:168 Resp: 562081

Ion Ratio Lower Upper

168 100

99 49.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

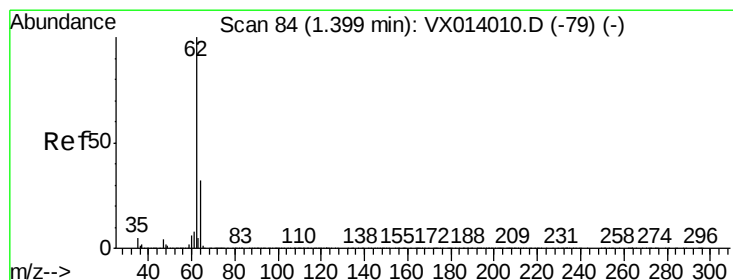
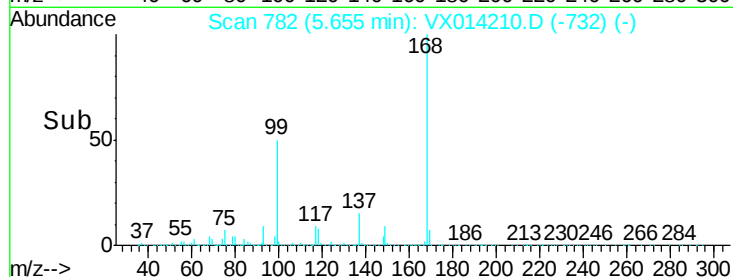
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.222 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014210.D

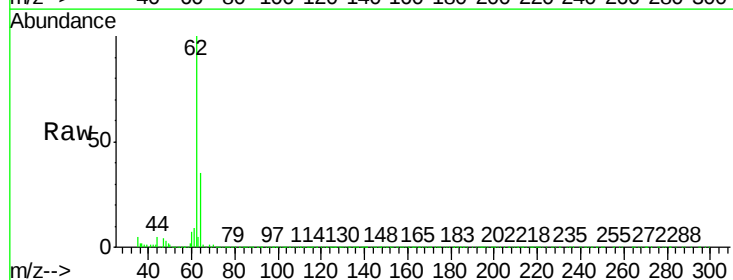
Acq: 23 Dec 2019 18:19

Tgt Ion: 62 Resp: 143993

Ion Ratio Lower Upper

62 100

64 33.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

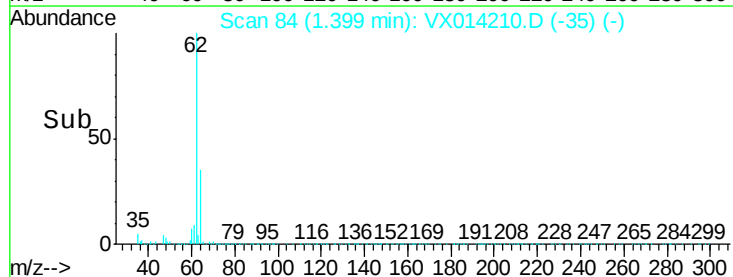
150000

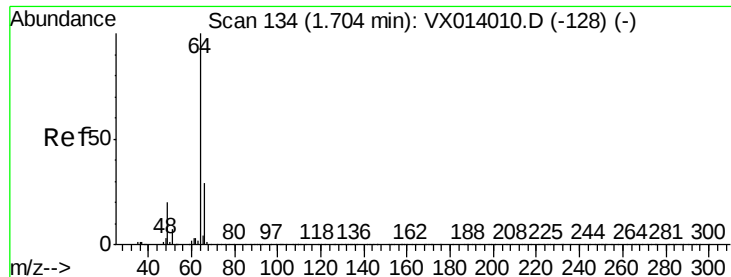
100000

50000

0

Time-->





#6

Chloroethane

Concen: 49.126 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

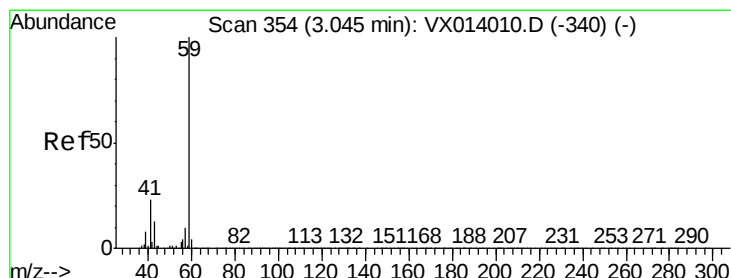
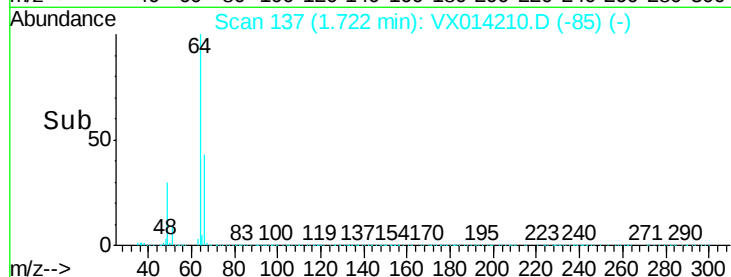
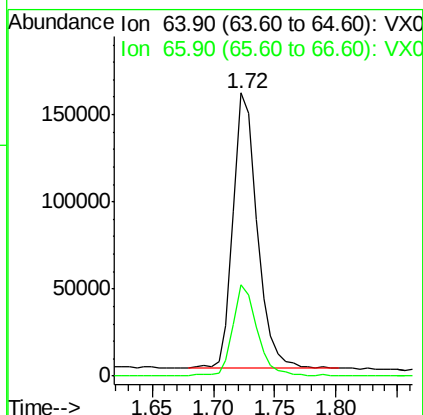
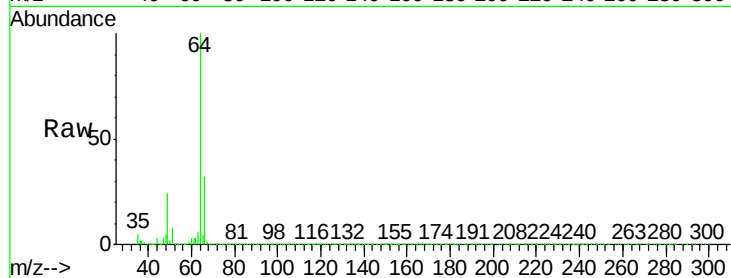
MW-1

Tot Ion: 64 Resp: 215900

Ion Ratio Lower Upper

64 100

66 32.8 23.4 35.2



#11

Tert butyl alcohol

Concen: 14.570 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014210.D

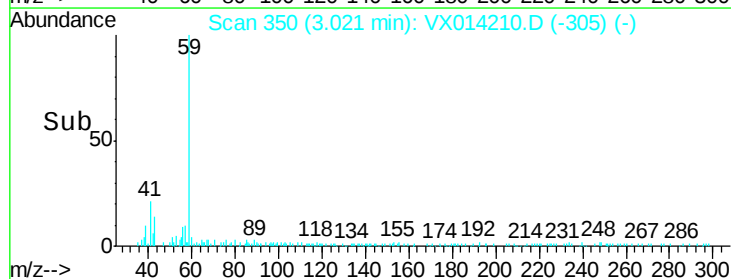
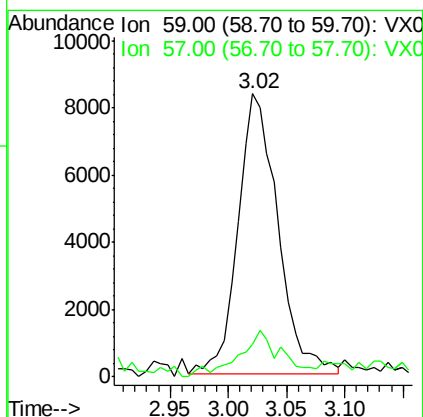
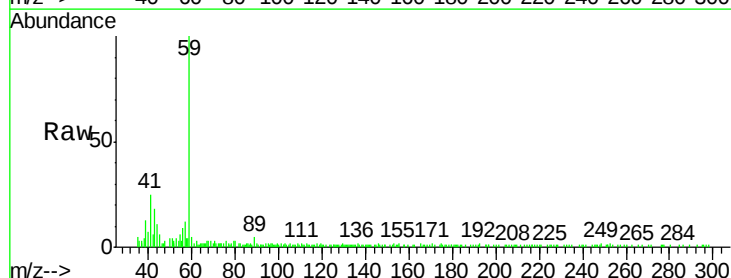
Acq: 23 Dec 2019 18:19

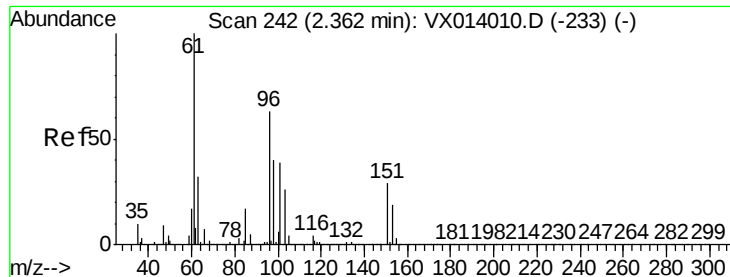
Tgt Ion: 59 Resp: 20056

Ion Ratio Lower Upper

59 100

57 14.9 8.4 12.6#





#12

1,1-Dichloroethene

Concen: 127.363 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

MW-1

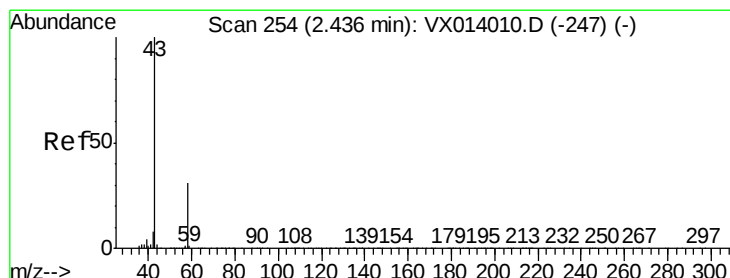
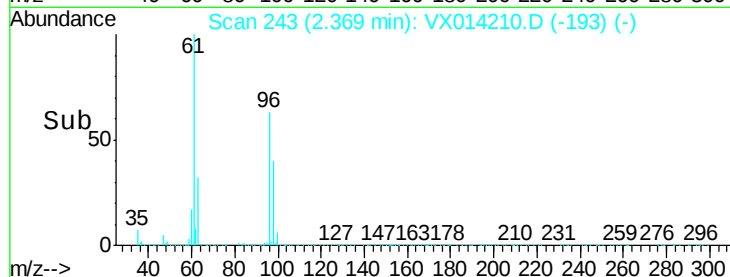
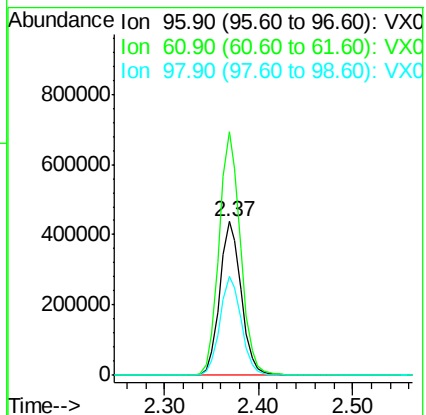
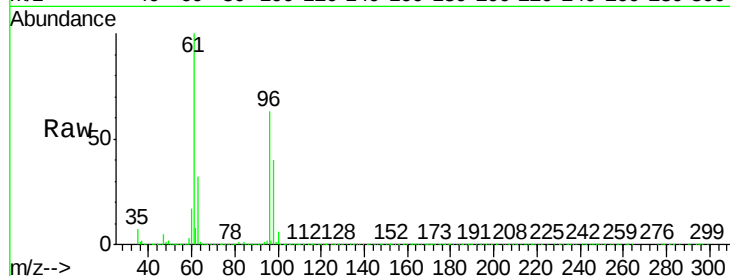
Tot Ion: 96 Resp: 688634

Ion Ratio Lower Upper

96 100

61 158.2 127.9 191.9

98 64.0 50.5 75.7



#16

Acetone

Concen: 1.773 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014210.D

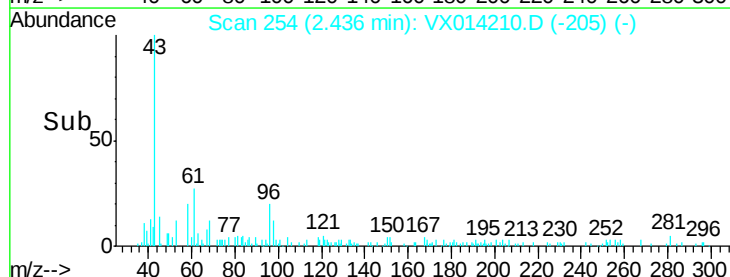
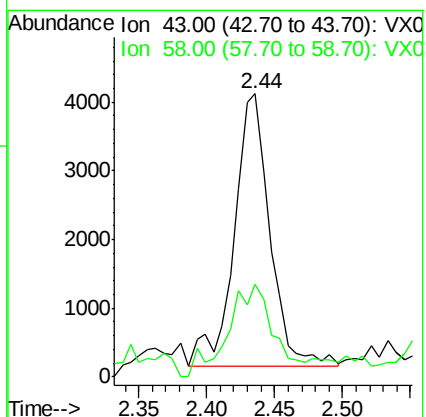
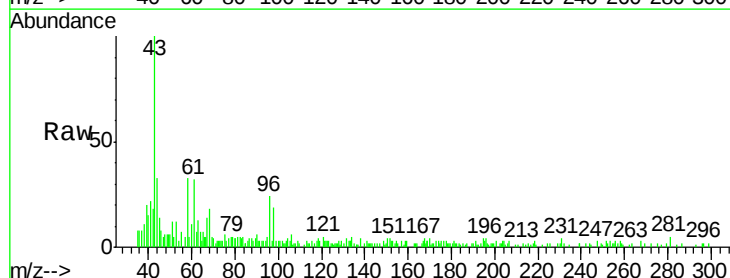
Acq: 23 Dec 2019 18:19

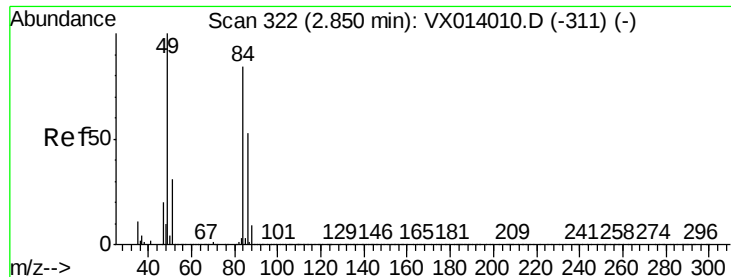
Tgt Ion: 43 Resp: 7333

Ion Ratio Lower Upper

43 100

58 33.9 24.9 37.3

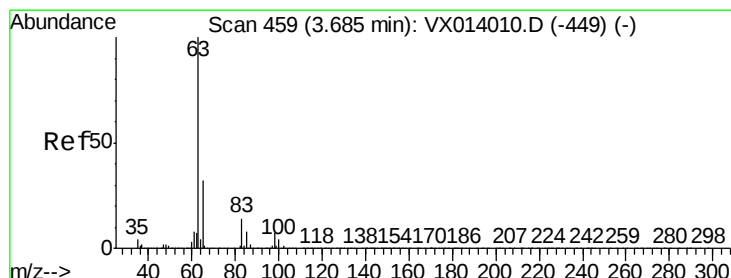
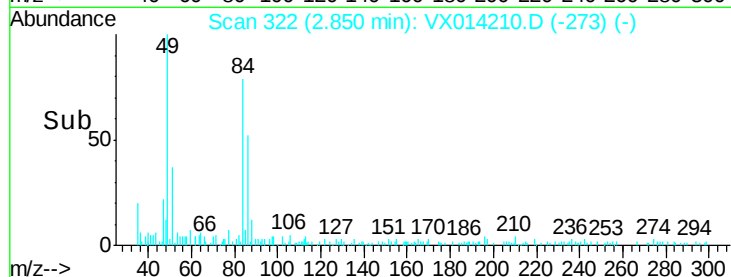
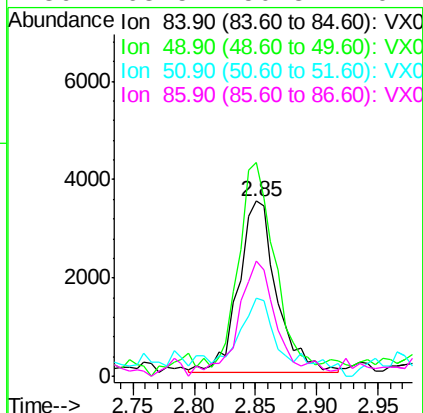
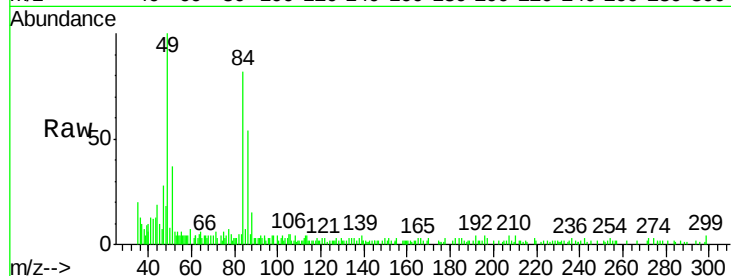




#20
Methvlene Chloride
Concen: 1.159 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

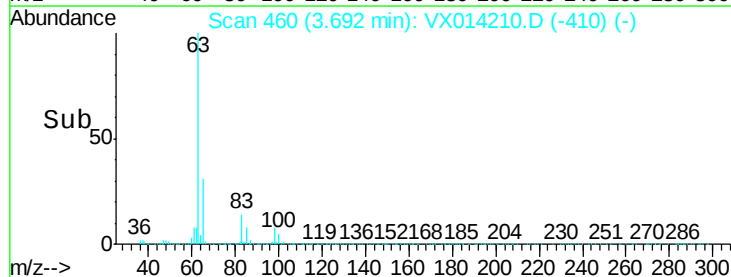
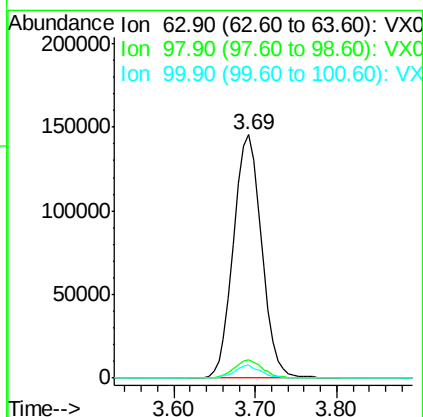
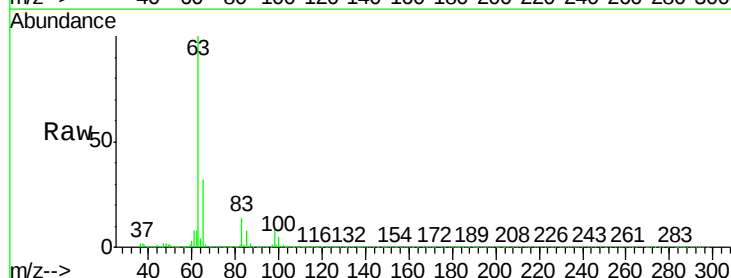
Instrument :
MSVOA_X
ClientSampleId :
MW-1

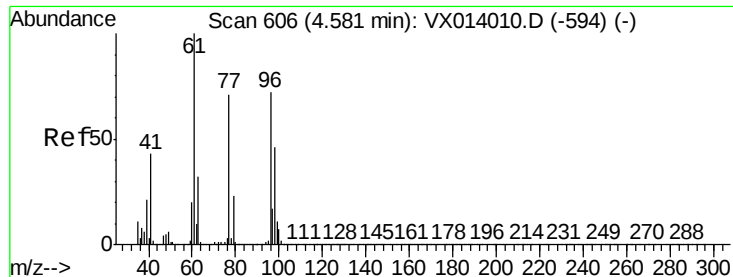
Tot Ion:	84	Resp:	7545
Ion	Ratio	Lower	Upper
84	100		
49	118.2	95.8	143.6
51	40.3	29.8	44.8
86	68.5	50.8	76.2



#24
1,1-Dichloroethane
Concen: 32.300 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

Tgt Ion:	63	Resp:	345708
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.6	10.8
100	5.3	2.3	6.8



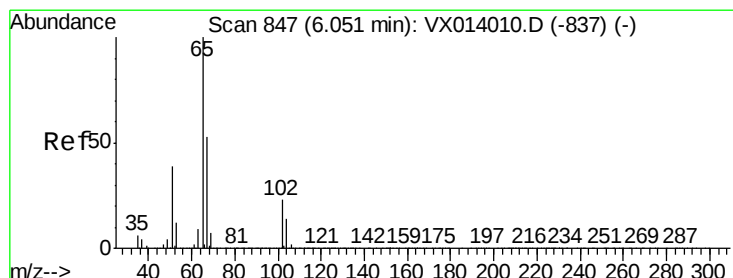
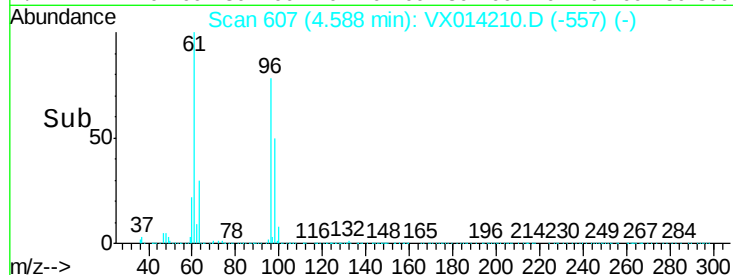
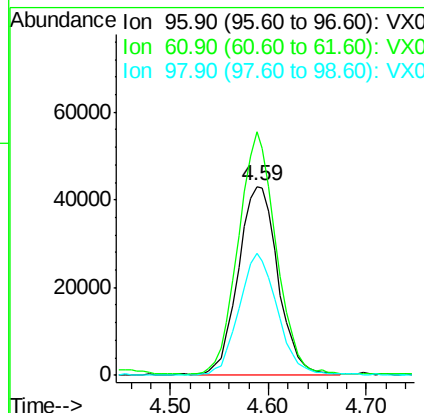
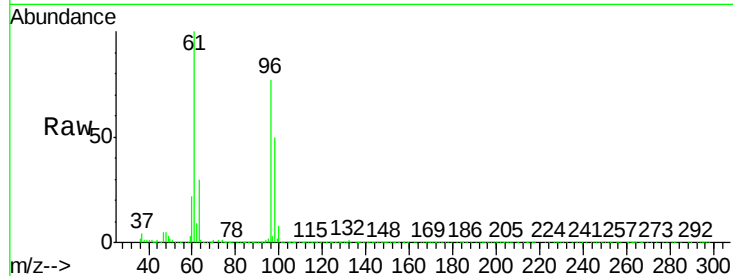


#27

cis-1,2-Dichloroethene
Concen: 17.764 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

Instrument :
MSVOA_X
ClientSampled :
MW-1

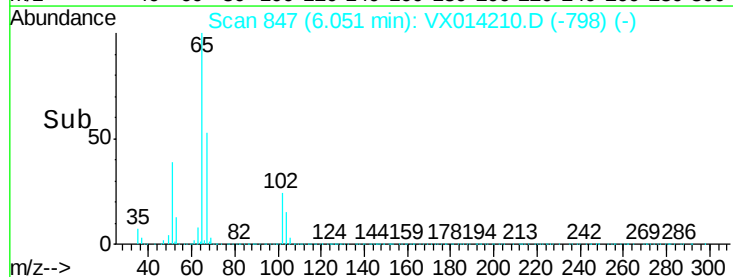
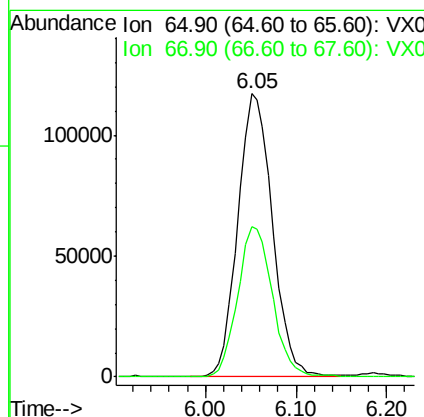
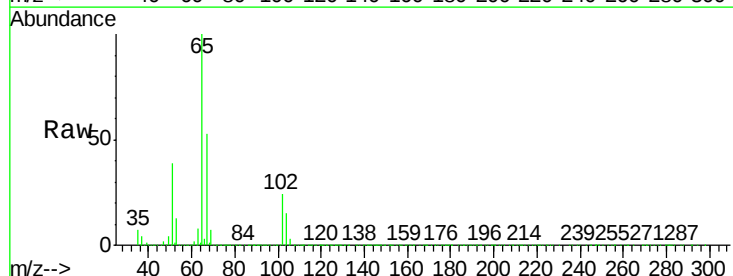
Tot Ion	96	Resp	119669
Ion	Ratio	Lower	Upper
96	100		
61	123.6	0.0	288.4
98	63.6	0.0	129.6

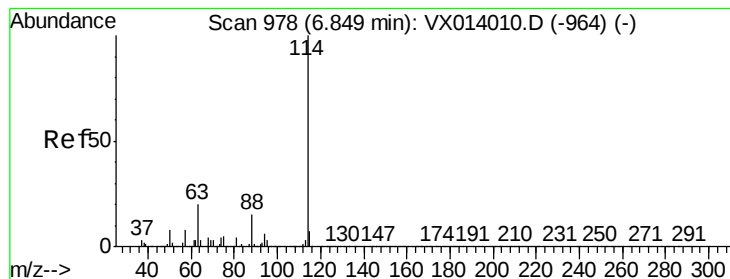


#33

1,2-Dichloroethane-d4
Concen: 48.467 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

Tgt Ion	65	Resp	308752
Ion	Ratio	Lower	Upper
65	100		
67	53.6	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: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

MW-1

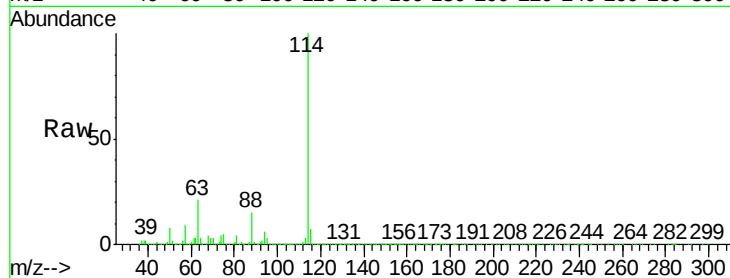
Tot Ion:114 Resp: 861436

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

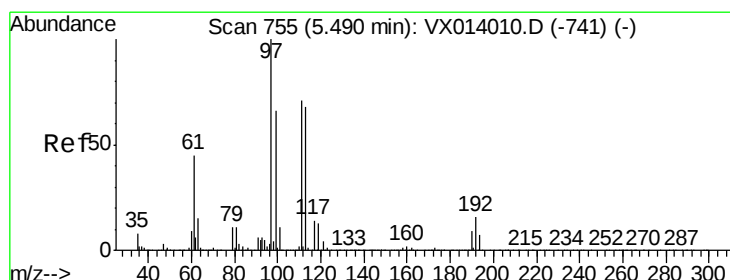
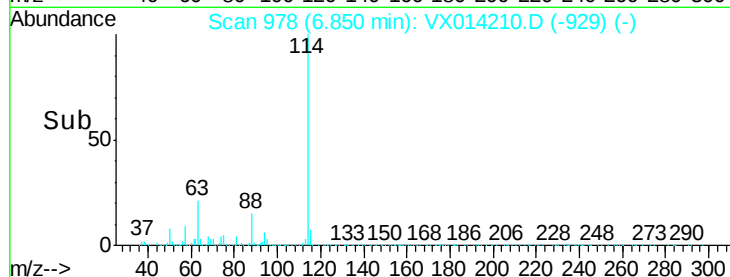
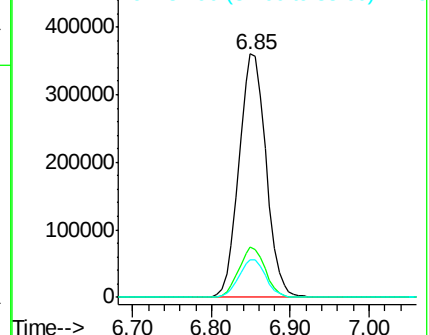
88 15.2 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 48.970 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

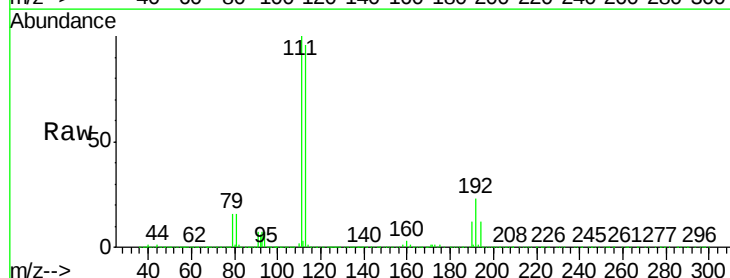
Tgt Ion:113 Resp: 256436

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

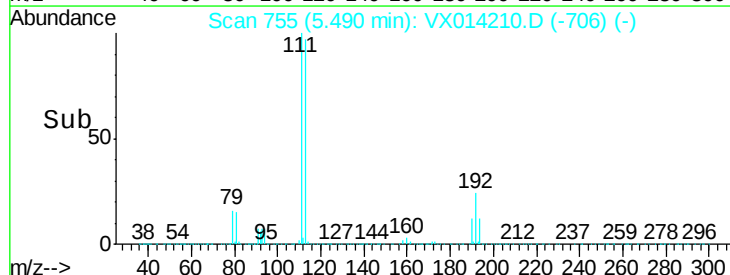
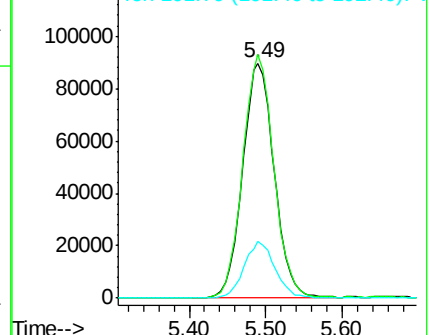
192 23.8 19.3 28.9

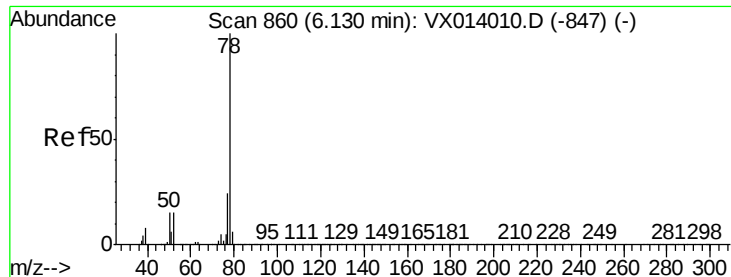


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.722 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

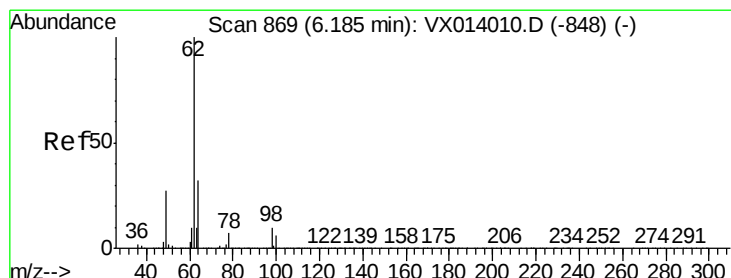
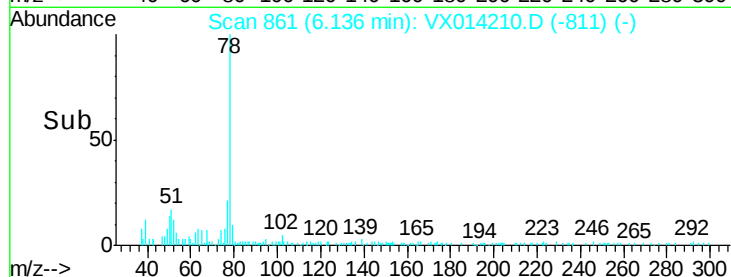
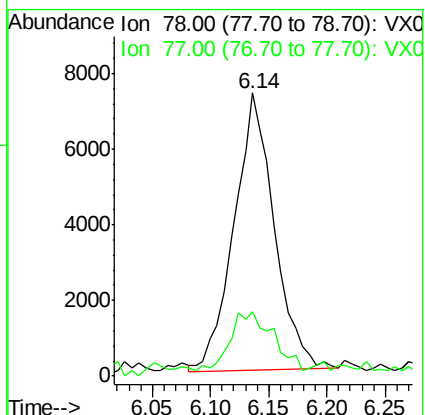
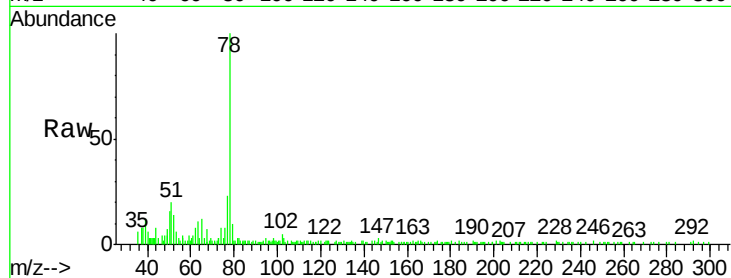
MW-1

Tot Ion: 78 Resp: 17548

Ion Ratio Lower Upper

78 100

77 20.5 18.8 28.2



#42

1,2-Dichloroethane

Concen: 6.998 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014210.D

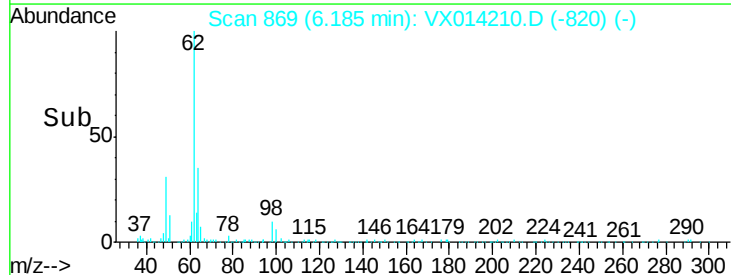
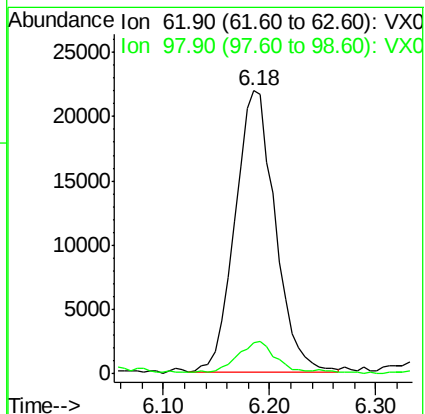
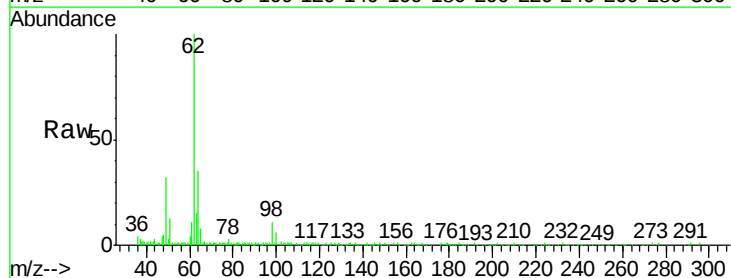
Acq: 23 Dec 2019 18:19

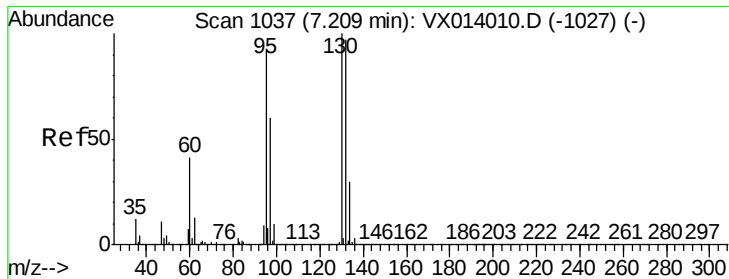
Tgt Ion: 62 Resp: 57690

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.0





#44

Trichloroethene

Concen: 1.264 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

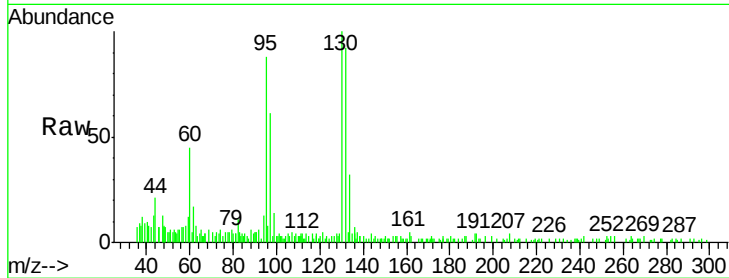
MW-1

Tot Ion:130 Resp: 8491

Ion Ratio Lower Upper

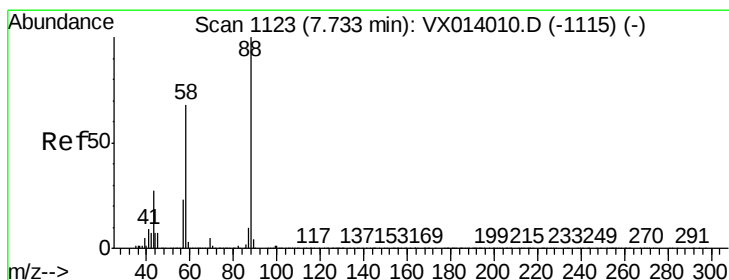
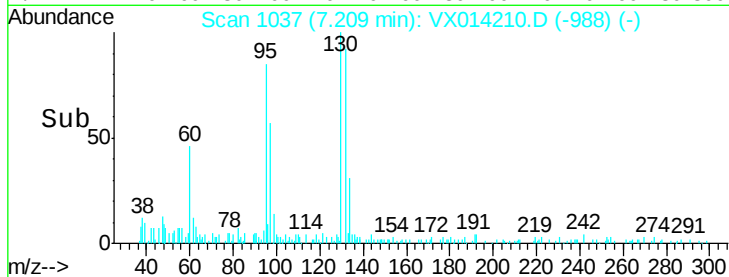
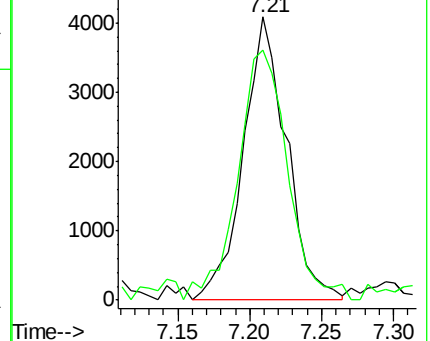
130 100

95 83.6 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: 2724.965 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

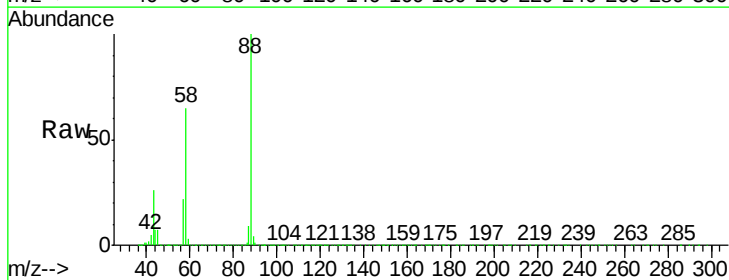
Tgt Ion: 88 Resp: 392245

Ion Ratio Lower Upper

88 100

43 26.8 26.5 39.7

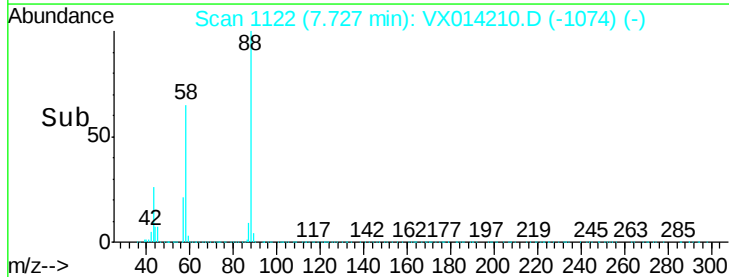
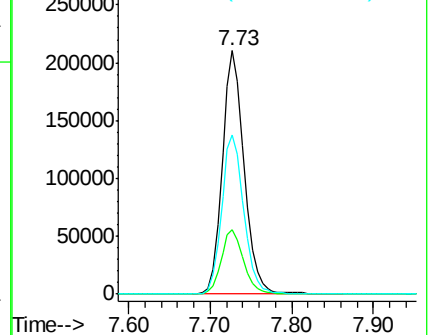
58 66.0 56.8 85.2

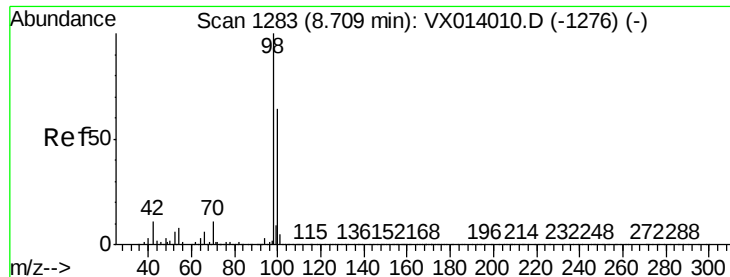


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.142 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

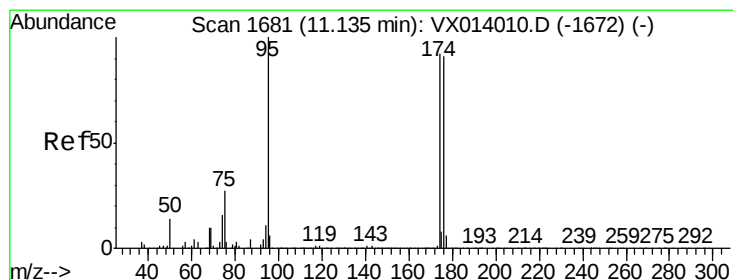
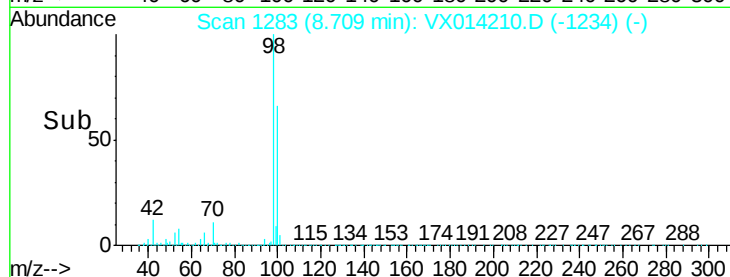
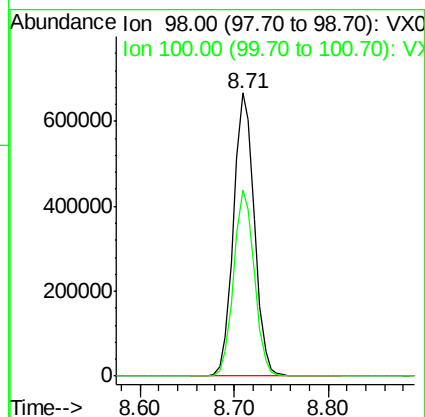
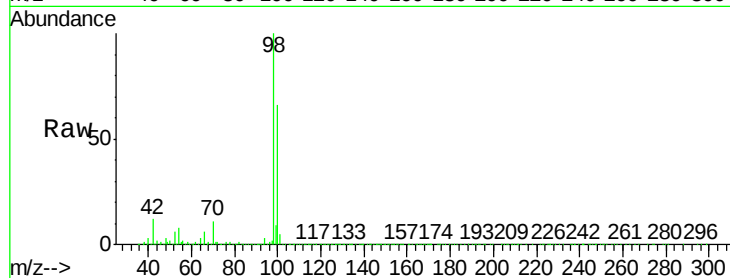
MW-1

Tot Ion: 98 Resp: 1022266

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.795 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

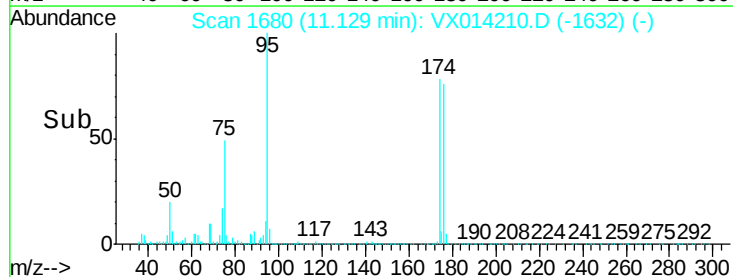
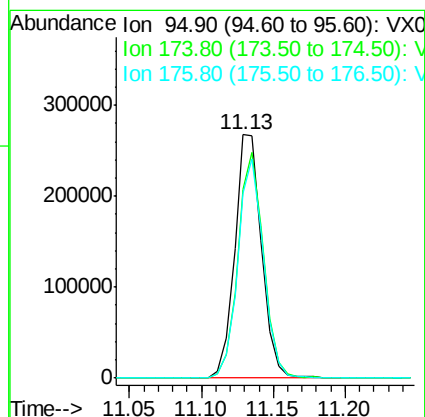
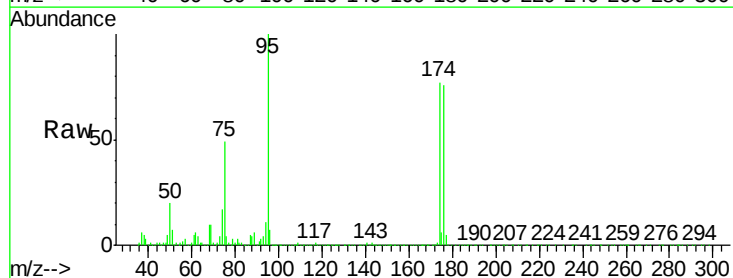
Tgt Ion: 95 Resp: 348735

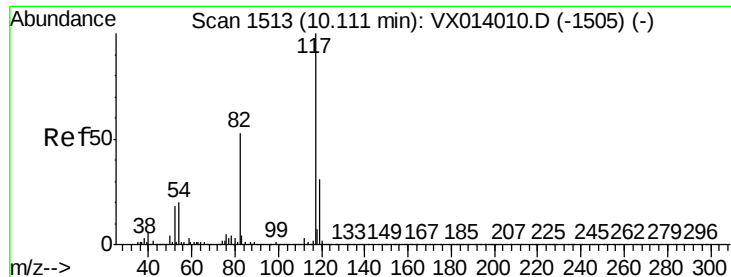
Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.8

176 85.7 0.0 173.0

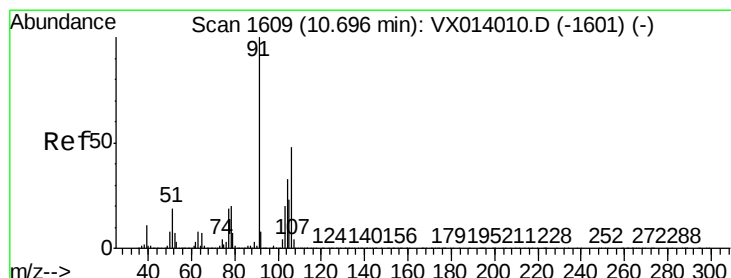
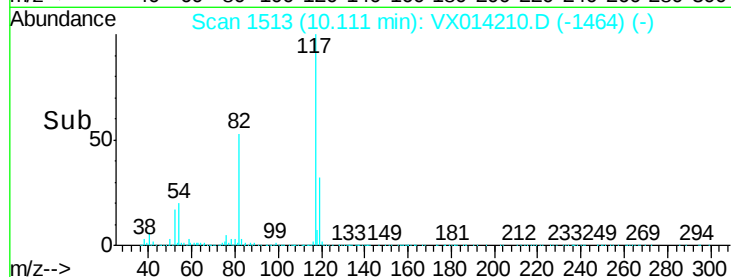
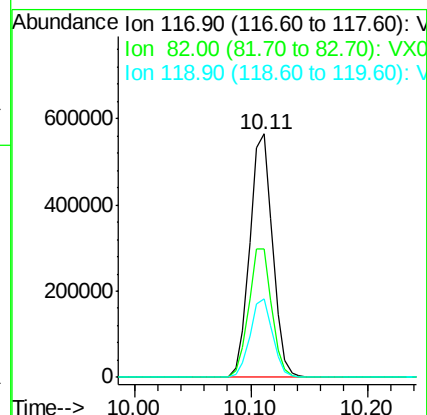
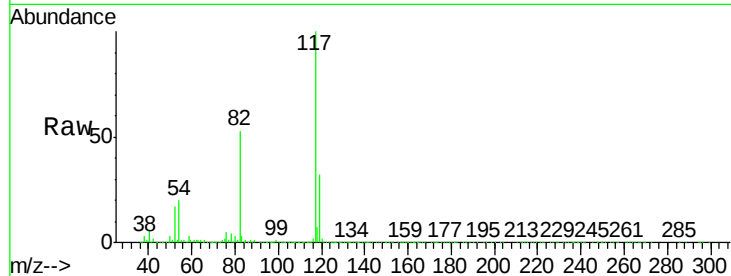




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

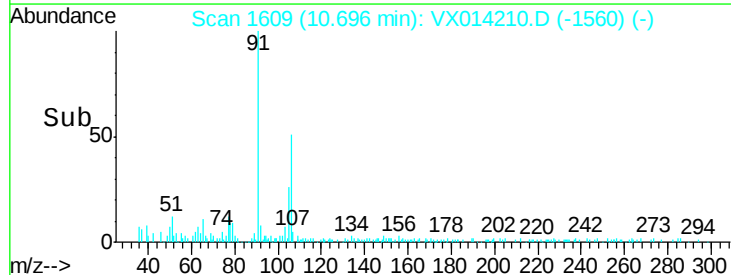
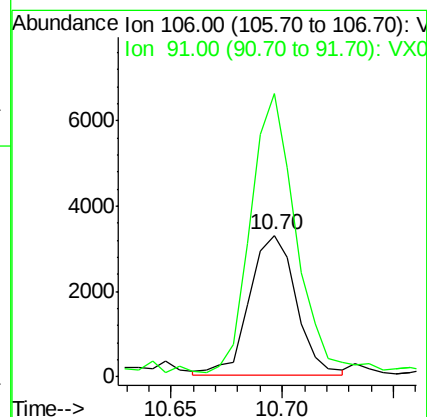
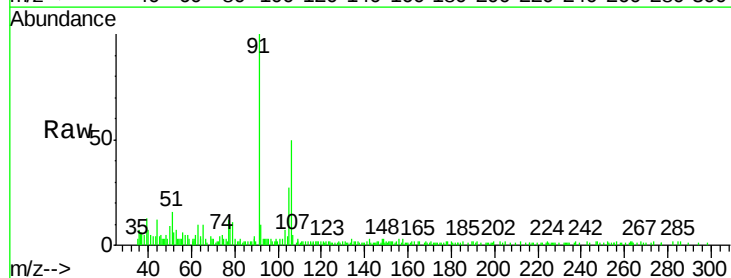
Instrument :
MSVOA_X
ClientSampleId :
MW-1

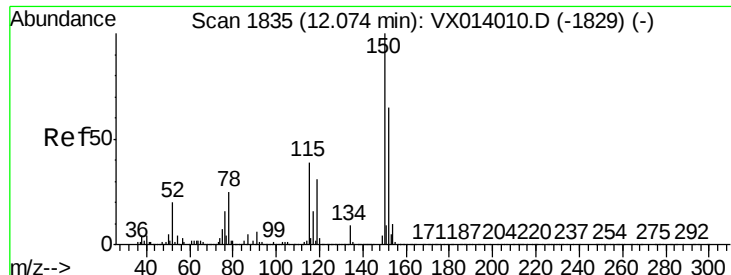
Tot Ion:117 Resp: 776127
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.1 25.1 37.7



#69
o-Xylene
Concen: 0.452 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014210.D
Acq: 23 Dec 2019 18:19

Tgt Ion:106 Resp: 4842
Ion Ratio Lower Upper
106 100
91 189.8 104.2 312.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014210.D

Acq: 23 Dec 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

MW-1

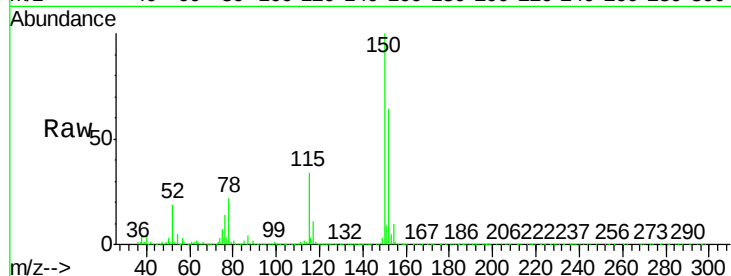
Tot Ion:152 Resp: 348556

Ion Ratio Lower Upper

152 100

115 54.2 38.3 114.9

150 157.1 0.0 345.4



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

