

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006644.D
 Acq On : 19 Dec 2018 18:31
 Operator : JC/MD
 Sample : J6479-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Dec 20 04:31:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	629413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1012297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	930800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	438120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	355324	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	5.51	113	303403	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
50) Toluene-d8	8.71	98	1213861	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	435900	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

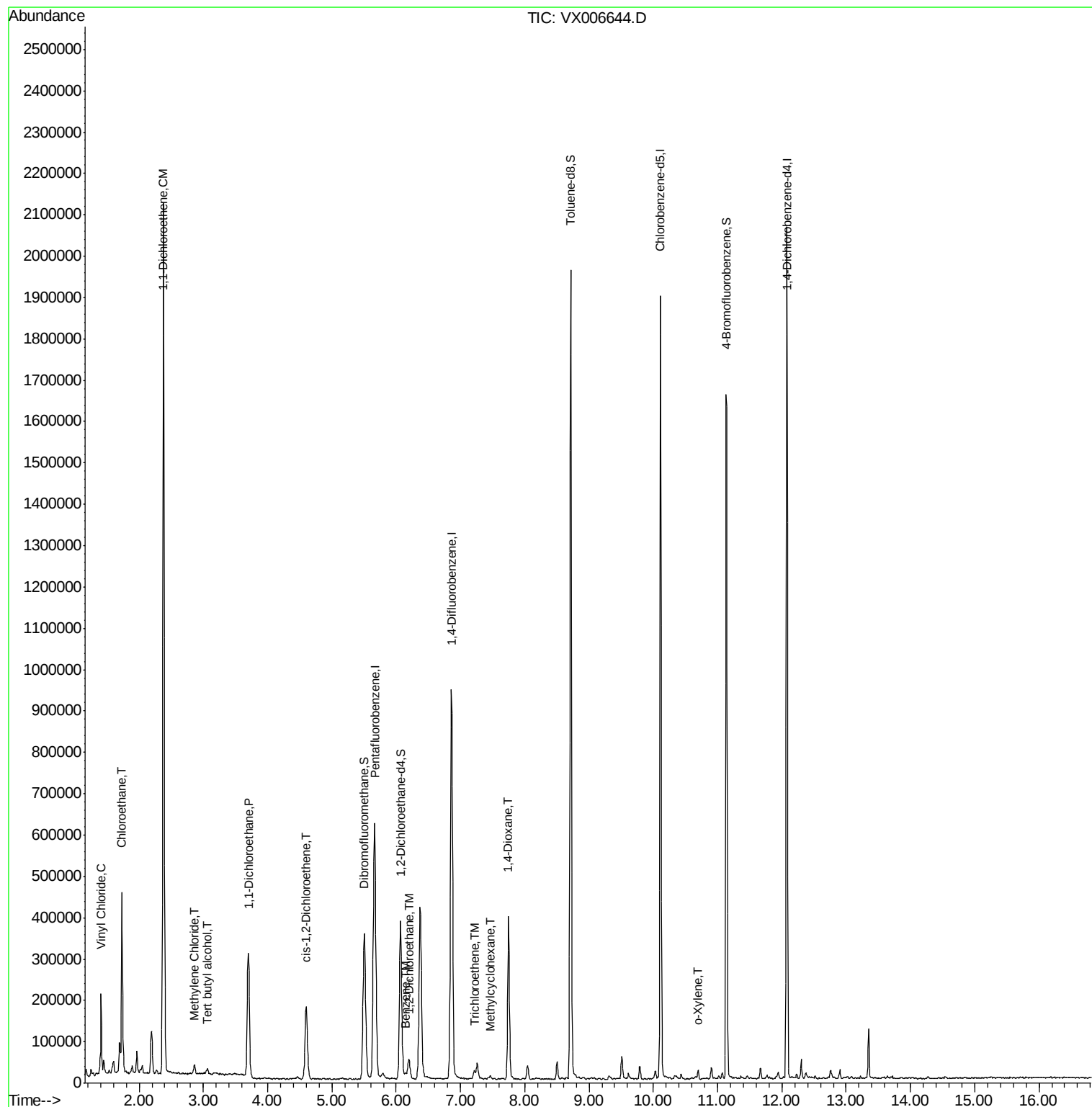
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	116676	18.009	ug/l	99
6) Chloroethane	1.73	64	288141	64.230	ug/l	98
11) Tert butyl alcohol	3.06	59	15541	10.266	ug/l #	94
12) 1,1-Dichloroethene	2.38	96	723762	128.700	ug/l	98
20) Methylene Chloride	2.86	84	10339	1.604	ug/l	88
24) 1,1-Dichloroethane	3.70	63	352631	34.111	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	120567	17.538	ug/l	91
39) Methylcyclohexane	7.46	83	4264	0.386	ug/l	91
40) Benzene	6.15	78	15723	0.617	ug/l	98
42) 1,2-Dichloroethane	6.20	62	53301	6.138	ug/l	98
44) Trichloroethene	7.21	130	8239	1.068	ug/l	98
49) 1,4-Dioxane	7.74	88	313270	1788.943	ug/l	95
69) o-Xylene	10.70	106	5200	0.415	ug/l	94

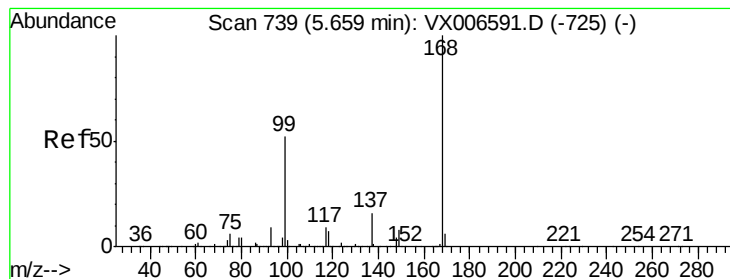
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
Data File : VX006644.D
Acq On : 19 Dec 2018 18:31
Operator : JC/MD
Sample : J6479-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Quant Time: Dec 20 04:31:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

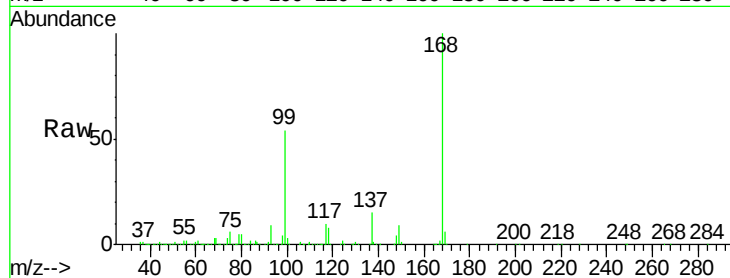
MW-1

Tot Ion:168 Resp: 629413

Ion Ratio Lower Upper

168 100

99 53.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

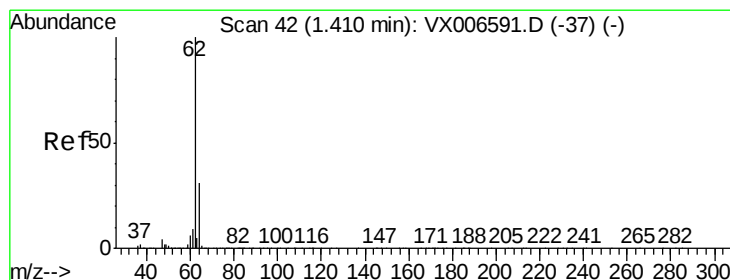
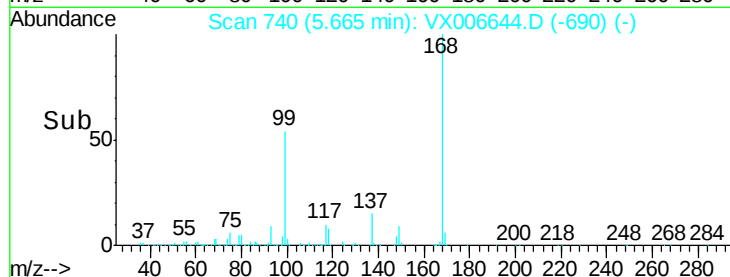
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 18.009 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006644.D

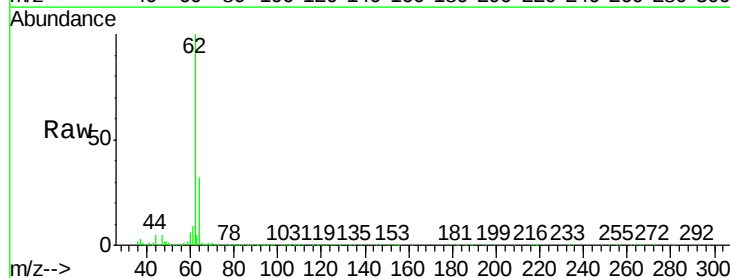
Acq: 19 Dec 2018 18:31

Tgt Ion: 62 Resp: 116676

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

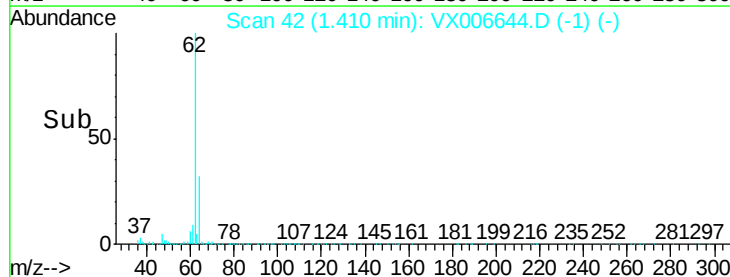
60000

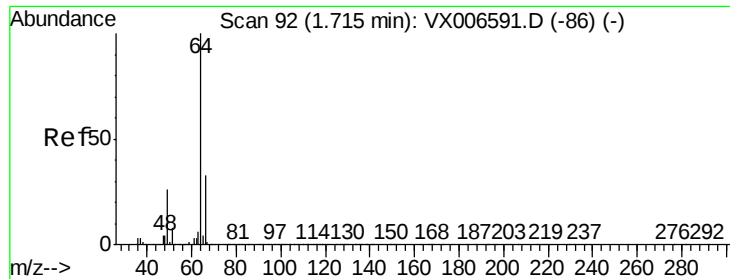
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#6

Chloroethane

Concen: 64.230 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

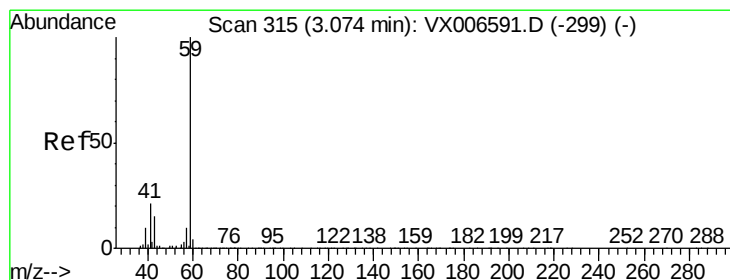
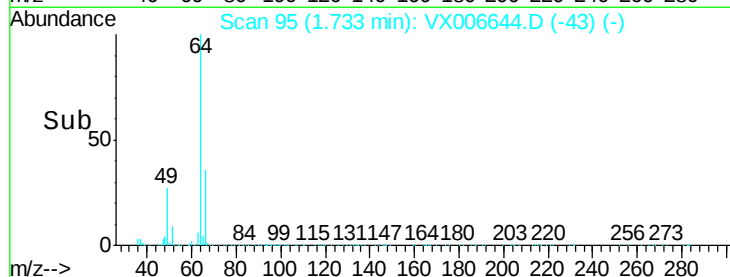
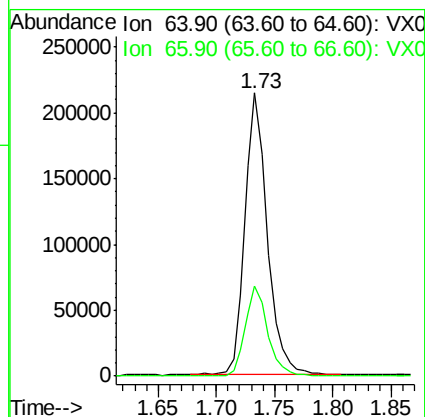
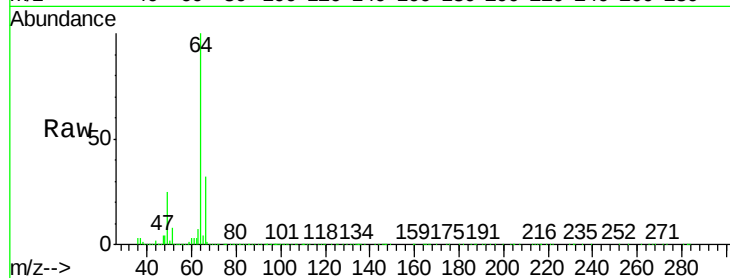
MW-1

Tot Ion: 64 Resp: 288141

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



#11

Tert butyl alcohol

Concen: 10.266 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006644.D

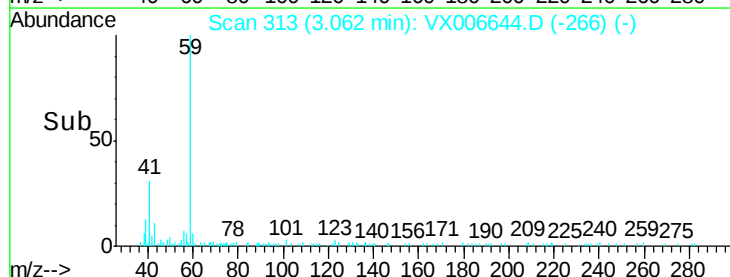
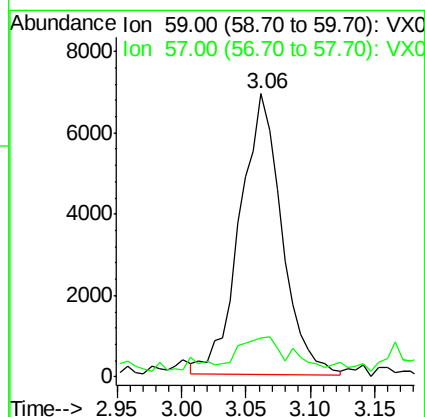
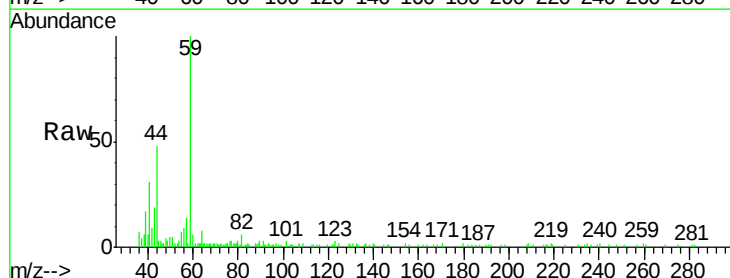
Acq: 19 Dec 2018 18:31

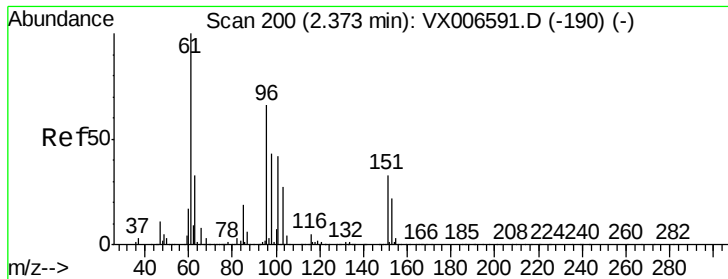
Tgt Ion: 59 Resp: 15541

Ion Ratio Lower Upper

59 100

57 8.3 8.5 12.7#

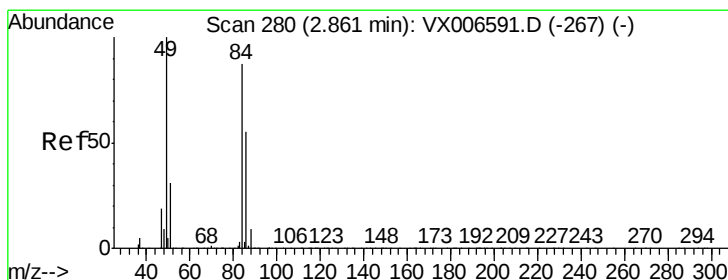
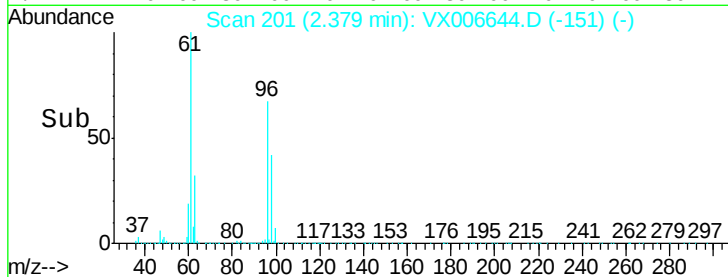
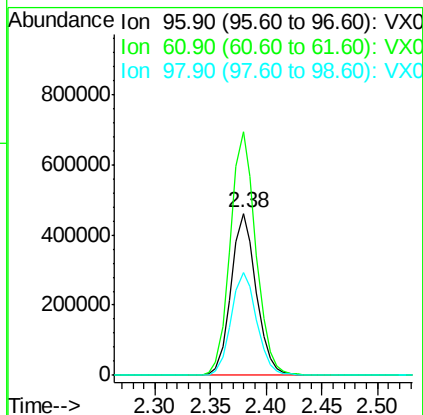
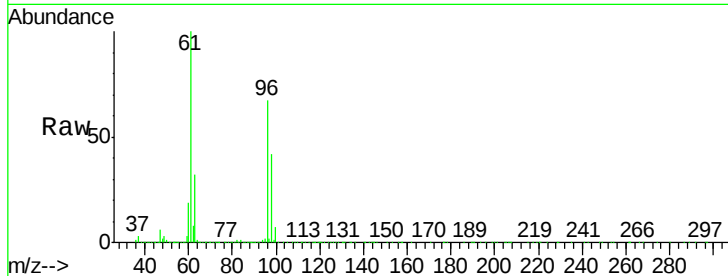




#12
 1,1-Dichloroethene
 Concen: 128.700 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006644.D
 Acq: 19 Dec 2018 18:31

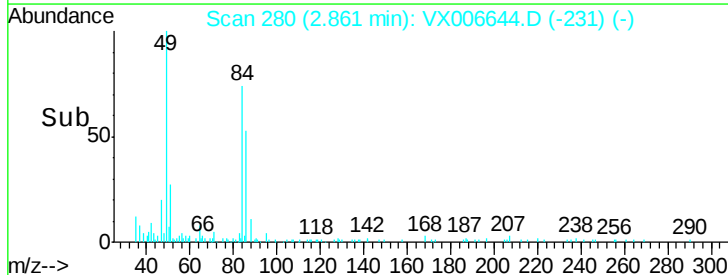
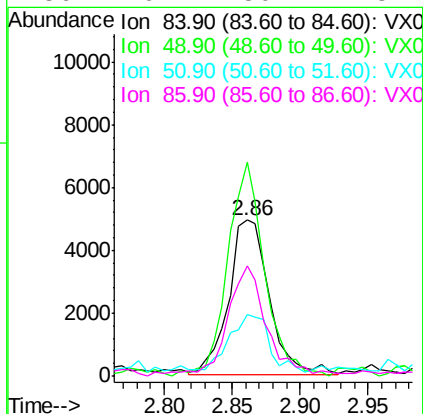
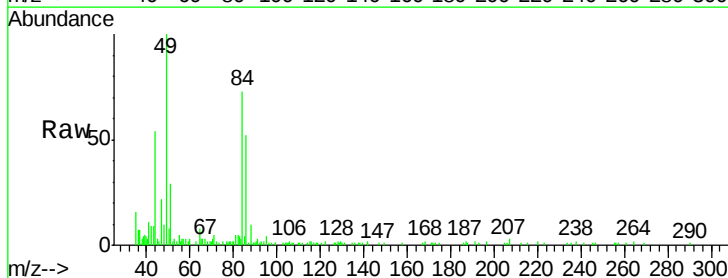
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

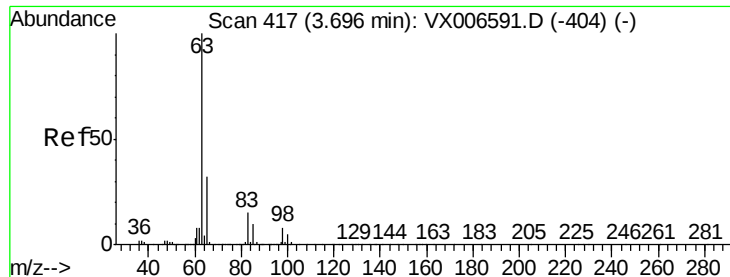
Tot Ion: 96 Resp: 723762
 Ion Ratio Lower Upper
 96 100
 61 150.0 121.4 182.2
 98 63.5 51.9 77.9



#20
 Methylene Chloride
 Concen: 1.604 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006644.D
 Acq: 19 Dec 2018 18:31

Tgt Ion: 84 Resp: 10339
 Ion Ratio Lower Upper
 84 100
 49 133.9 91.8 137.6
 51 35.9 28.5 42.7
 86 70.1 50.2 75.2





#24

1,1-Dichloroethane

Concen: 34.111 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

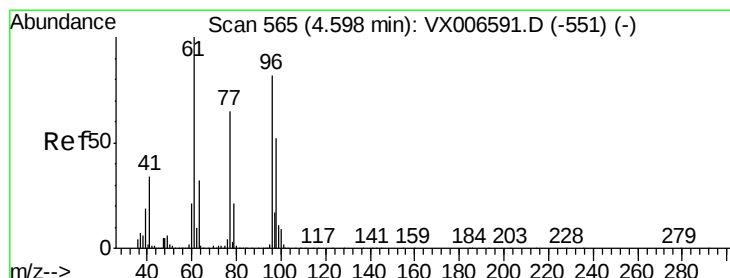
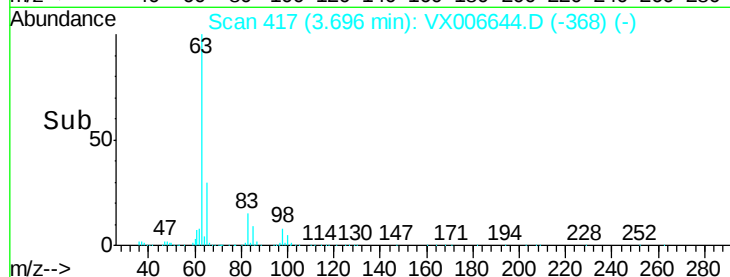
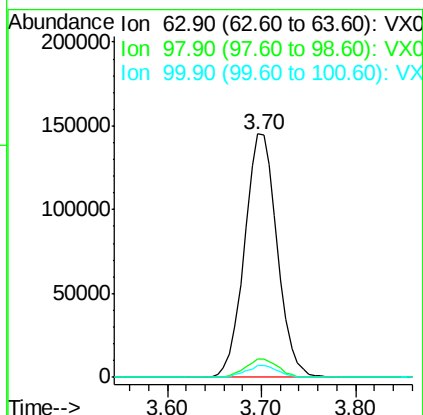
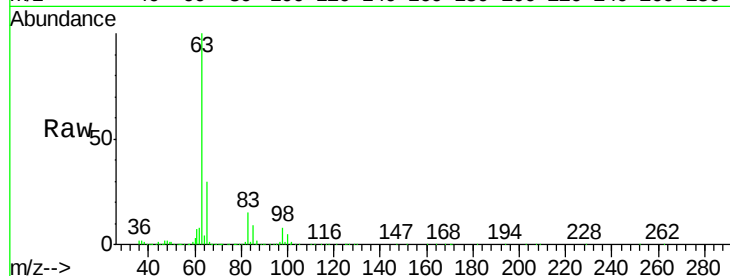
Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion:	63	Resp:	352631
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.9	11.5
100	4.8	2.4	7.2



#27

cis-1,2-Dichloroethene

Concen: 17.538 ug/l

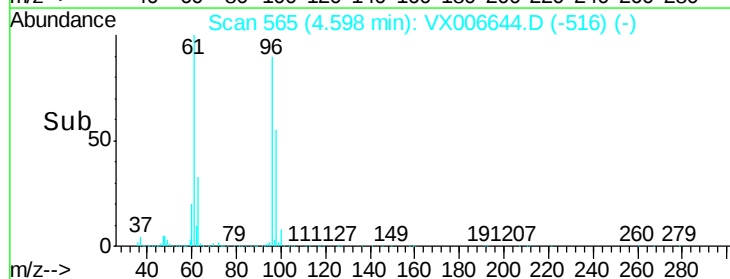
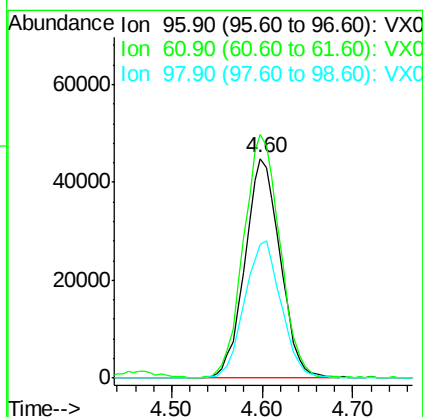
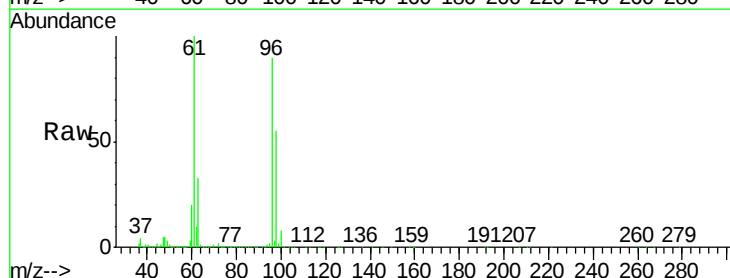
RT: 4.60 min Scan# 565

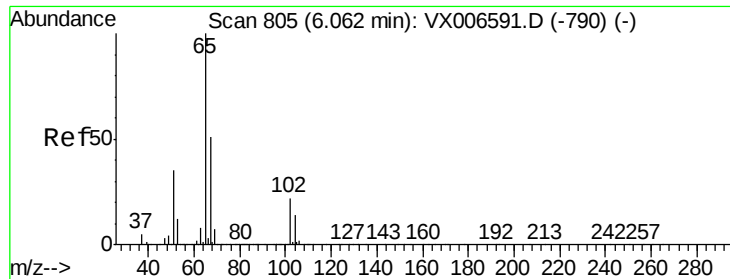
Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Tgt Ion:	96	Resp:	120567
Ion	Ratio	Lower	Upper
96	100		
61	113.9	0.0	258.6
98	65.0	0.0	132.0





#33

1,2-Dichloroethane-d4

Concen: 52.380 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

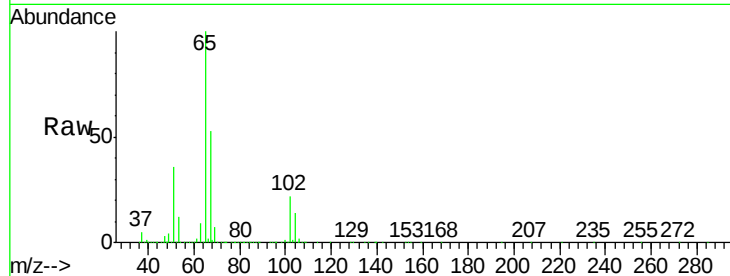
MW-1

Tot Ion: 65 Resp: 355324

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

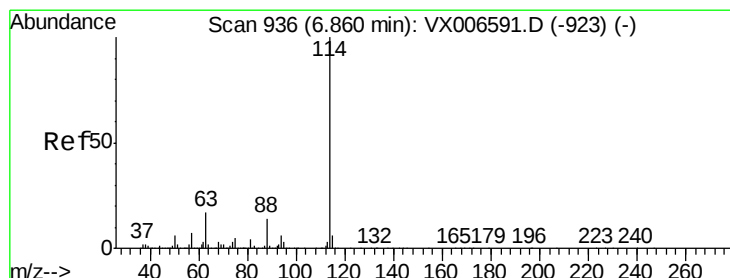
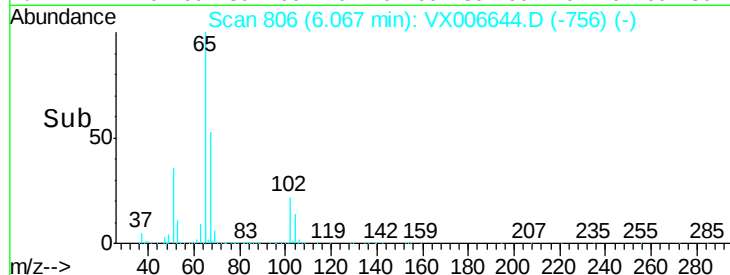
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

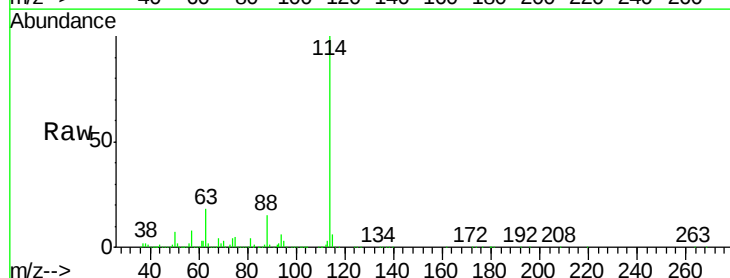
Tgt Ion: 114 Resp: 1012297

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 15.5 0.0 28.8



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

600000

500000

400000

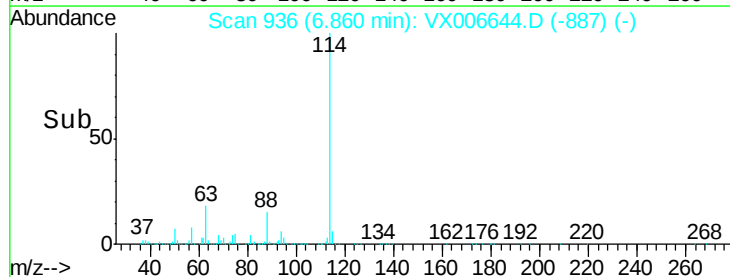
300000

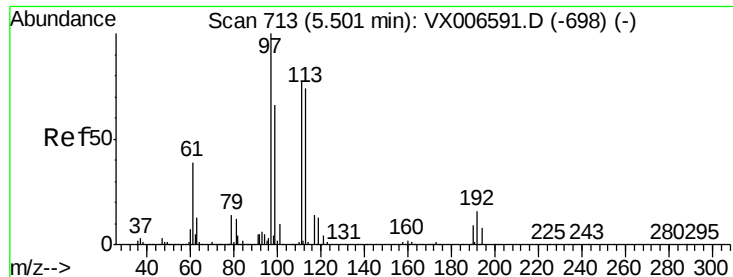
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.395 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

MW-1

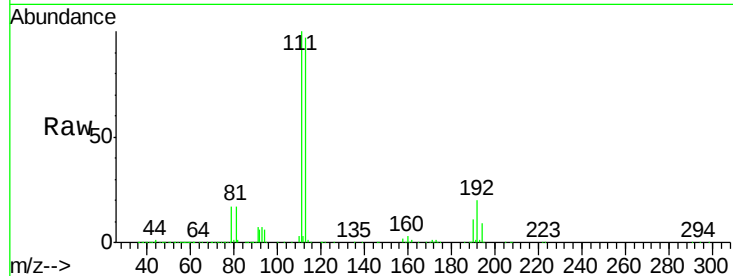
Tot Ion:113 Resp: 303403

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

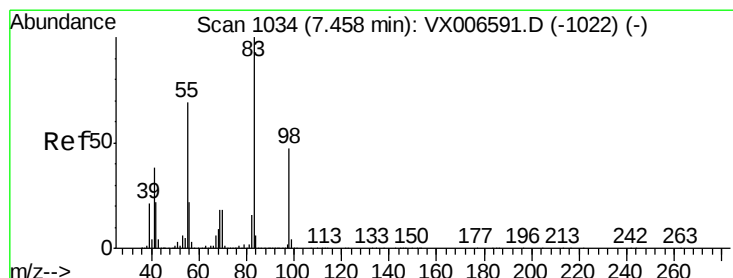
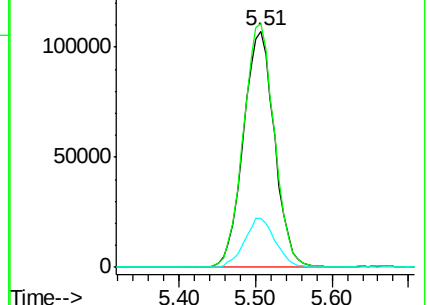
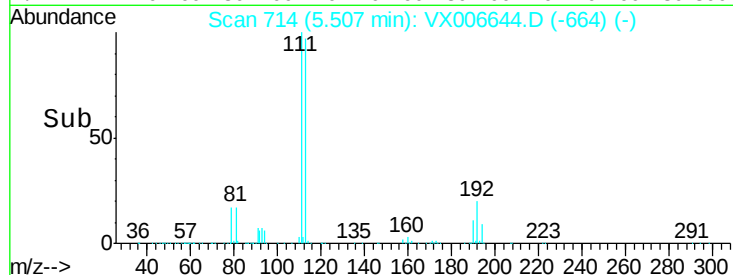
192 20.7 16.7 25.1



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



#39

Methylcyclohexane

Concen: 0.386 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

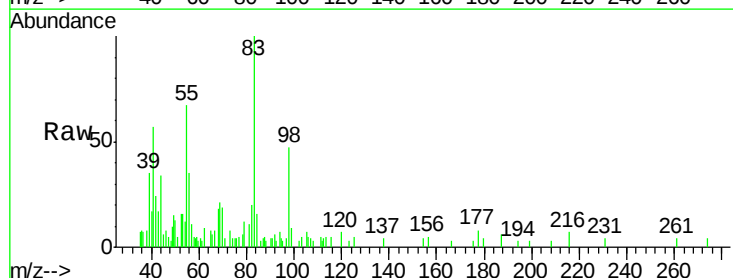
Tgt Ion: 83 Resp: 4264

Ion Ratio Lower Upper

83 100

55 56.3 54.9 82.3

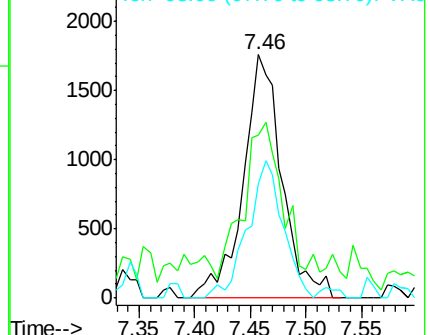
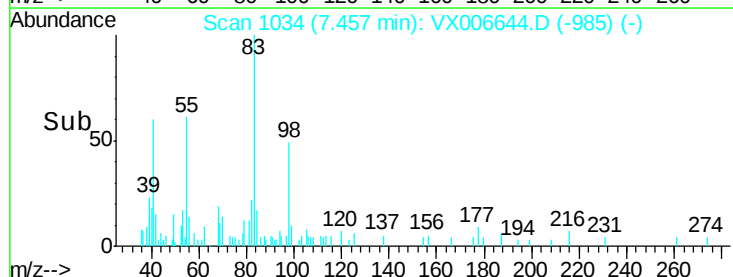
98 46.7 37.9 56.9

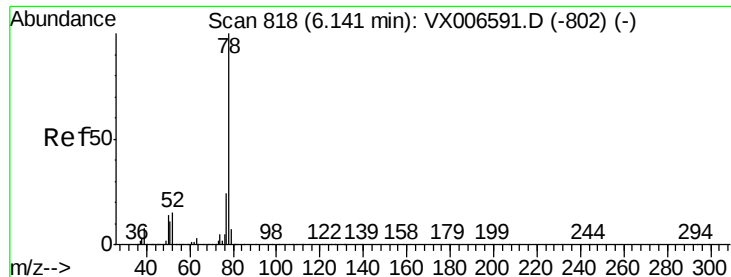


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.617 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

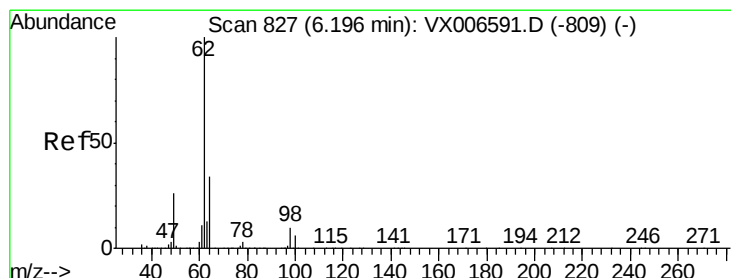
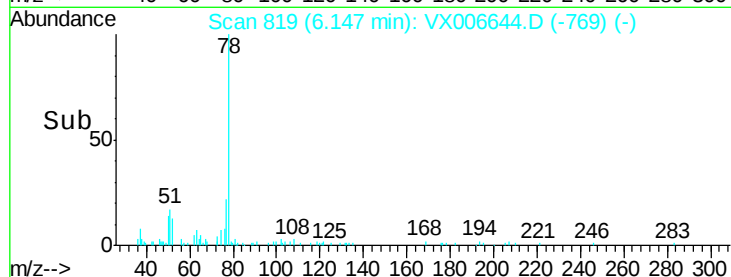
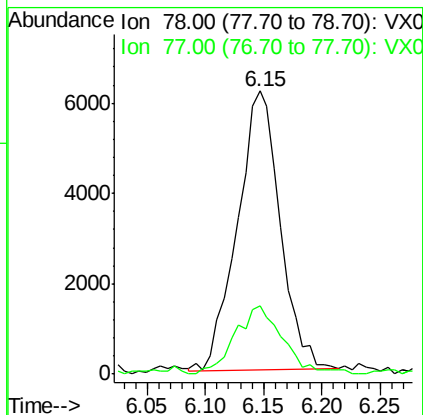
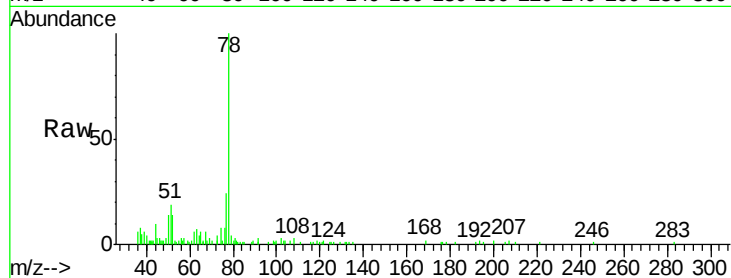
MW-1

Tot Ion: 78 Resp: 15723

Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8



#42

1,2-Dichloroethane

Concen: 6.138 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006644.D

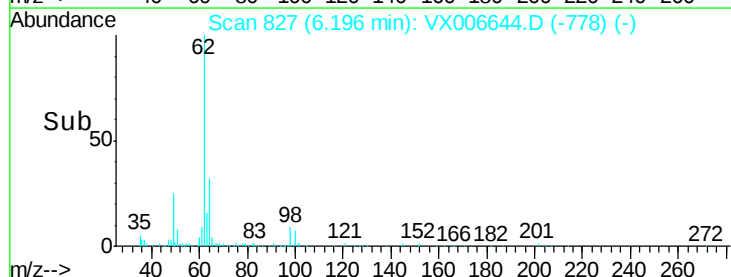
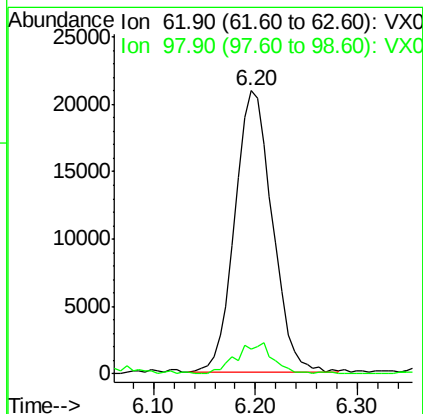
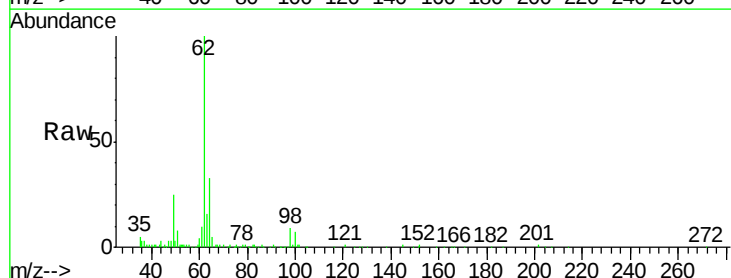
Acq: 19 Dec 2018 18:31

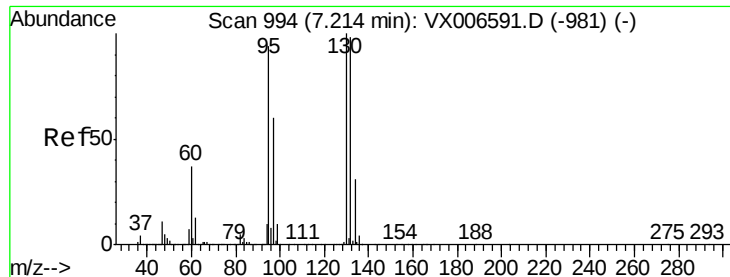
Tgt Ion: 62 Resp: 53301

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.2





#44

Trichloroethene

Concen: 1.068 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

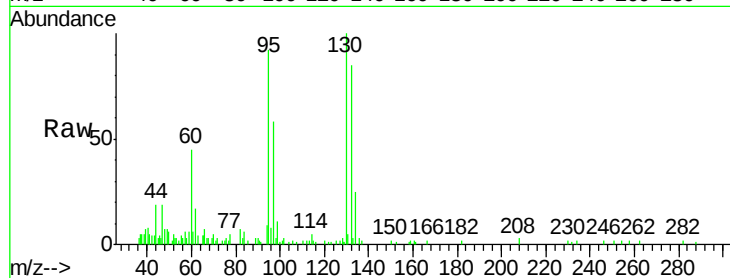
MW-1

Tot Ion:130 Resp: 8239

Ion Ratio Lower Upper

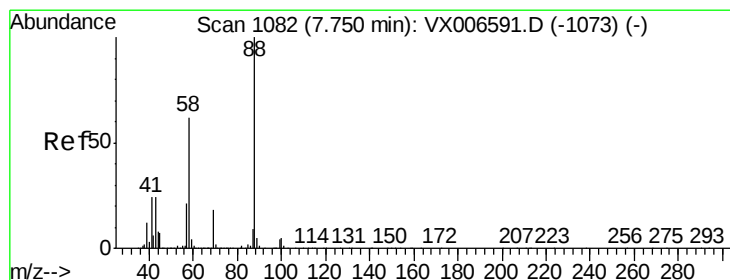
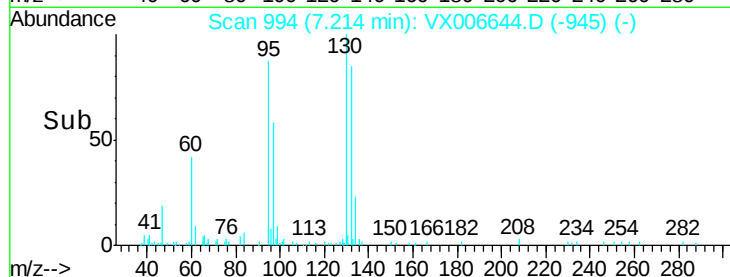
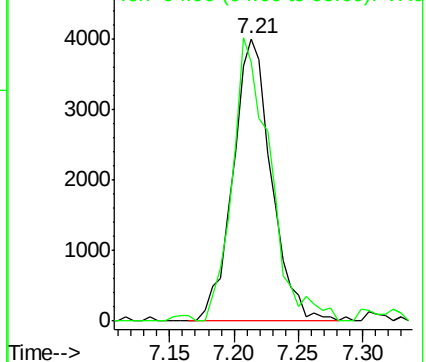
130 100

95 92.0 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1788.943 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

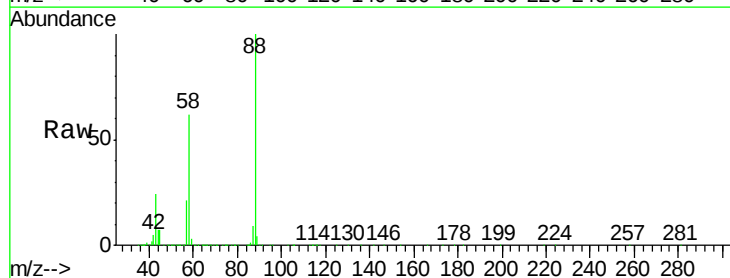
Tgt Ion: 88 Resp: 313270

Ion Ratio Lower Upper

88 100

43 23.7 22.2 33.4

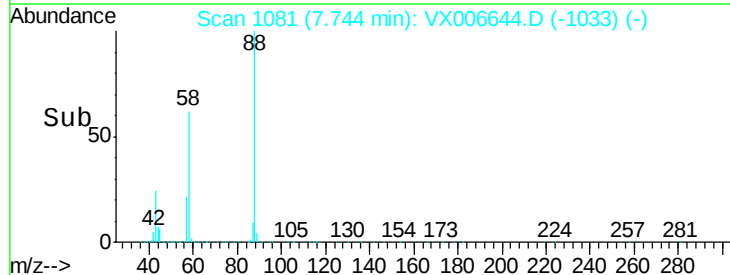
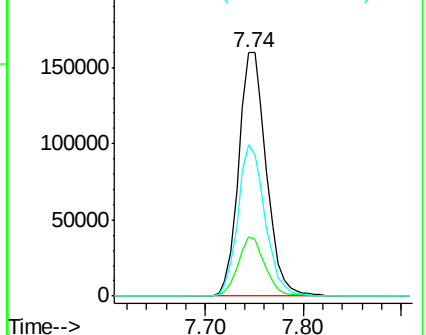
58 61.0 51.0 76.4

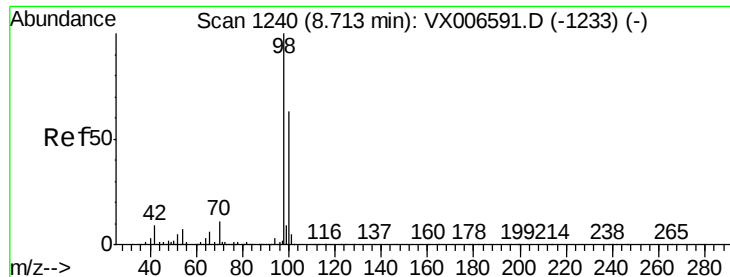


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.296 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

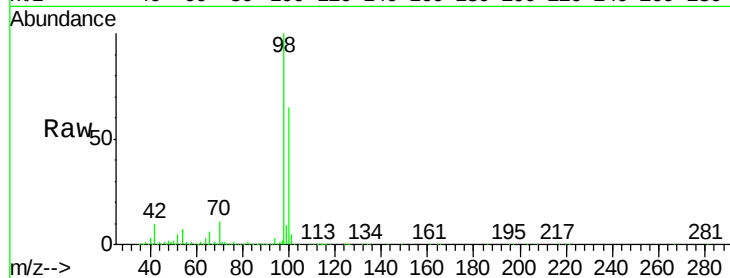
MW-1

Tot Ion: 98 Resp: 1213861

Ion Ratio Lower Upper

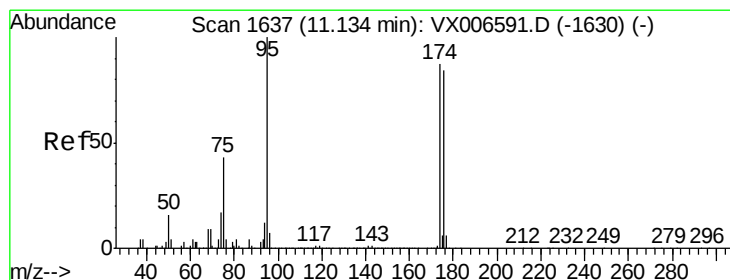
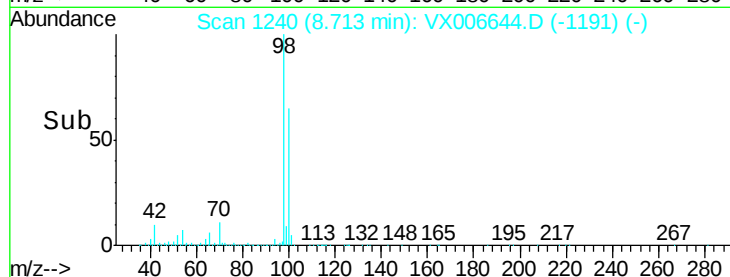
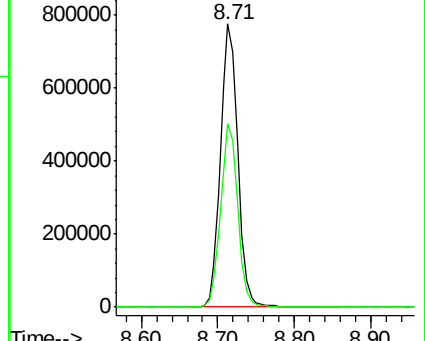
98 100

100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

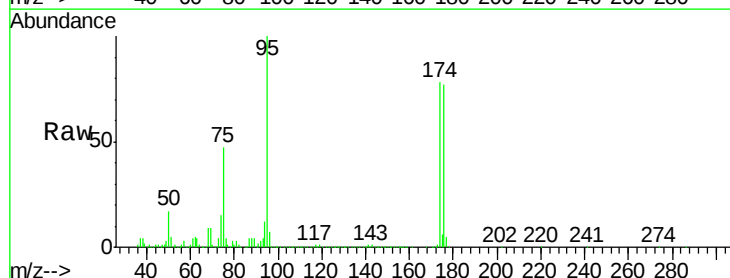
Tgt Ion: 95 Resp: 435900

Ion Ratio Lower Upper

95 100

174 84.5 0.0 182.2

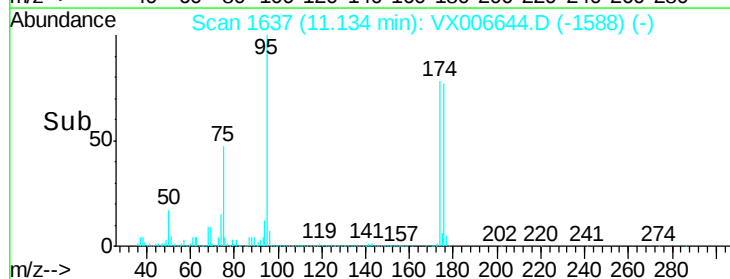
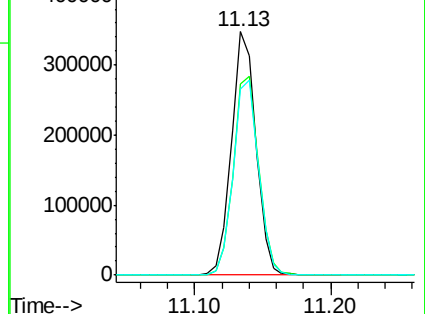
176 83.0 0.0 178.8

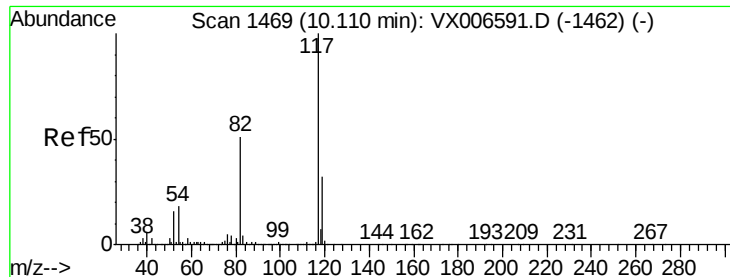


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1469

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampled :

MW-1

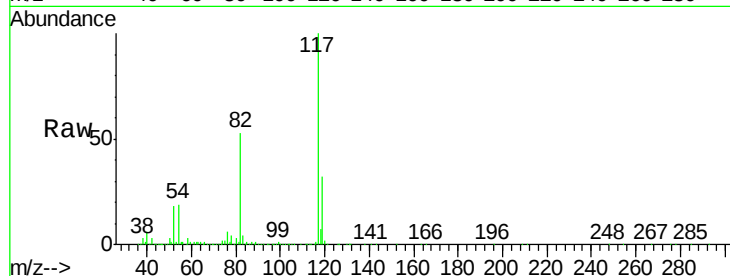
Tot Ion:117 Resp: 930800

Ion Ratio Lower Upper

117 100

82 53.0 41.0 61.6

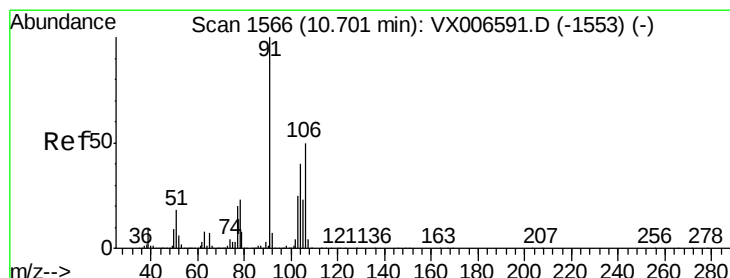
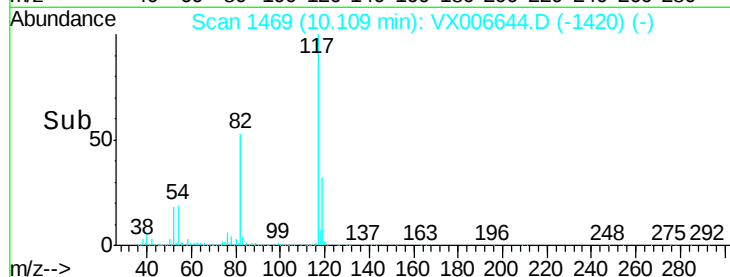
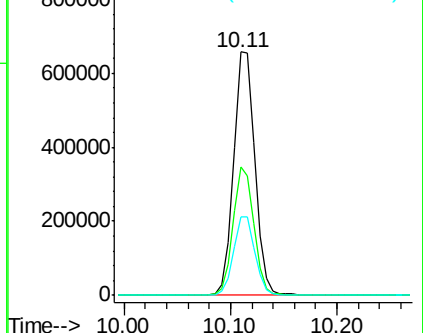
119 32.4 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#69

o-Xylene

Concen: 0.415 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX006644.D

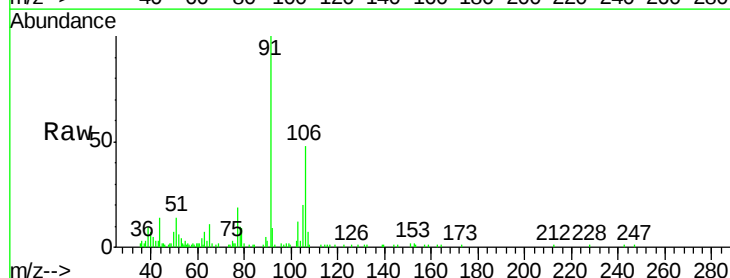
Acq: 19 Dec 2018 18:31

Tgt Ion:106 Resp: 5200

Ion Ratio Lower Upper

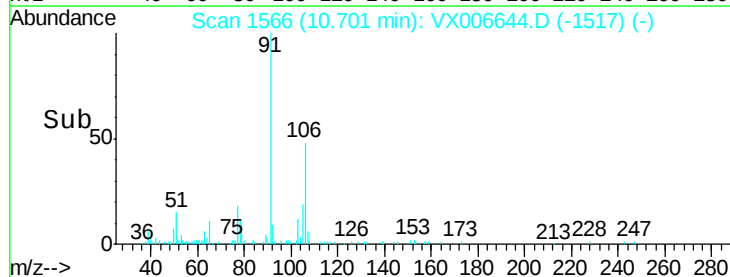
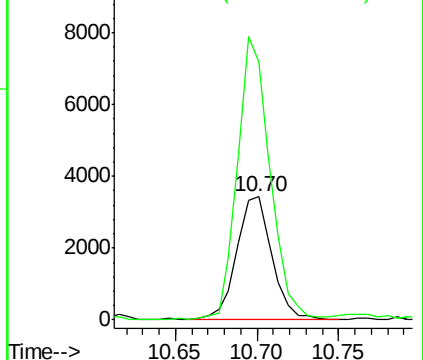
106 100

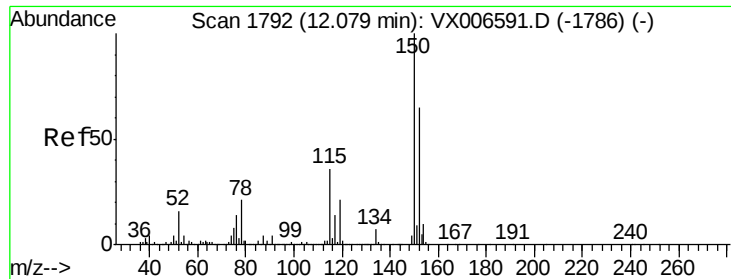
91 211.9 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006644.D

Acq: 19 Dec 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :

MW-1

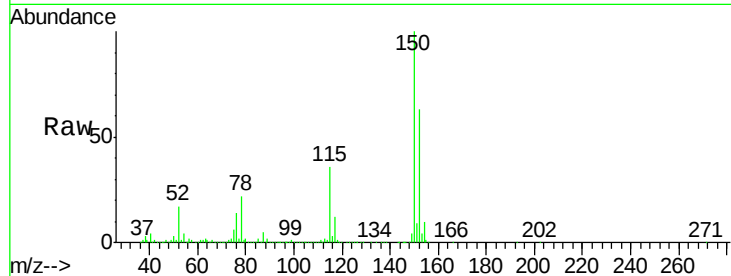
Tot Ion:152 Resp: 438120

Ion Ratio Lower Upper

152 100

115 56.5 39.1 117.2

150 156.1 0.0 344.8



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

