

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006645.D
 Acq On : 19 Dec 2018 18:58
 Operator : JC/MD
 Sample : J6479-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Dec 20 10:12:30 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	609868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	976873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	898771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	421333	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	339335	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
35) Dibromofluoromethane	5.50	113	295423	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	1166480	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	422022	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	

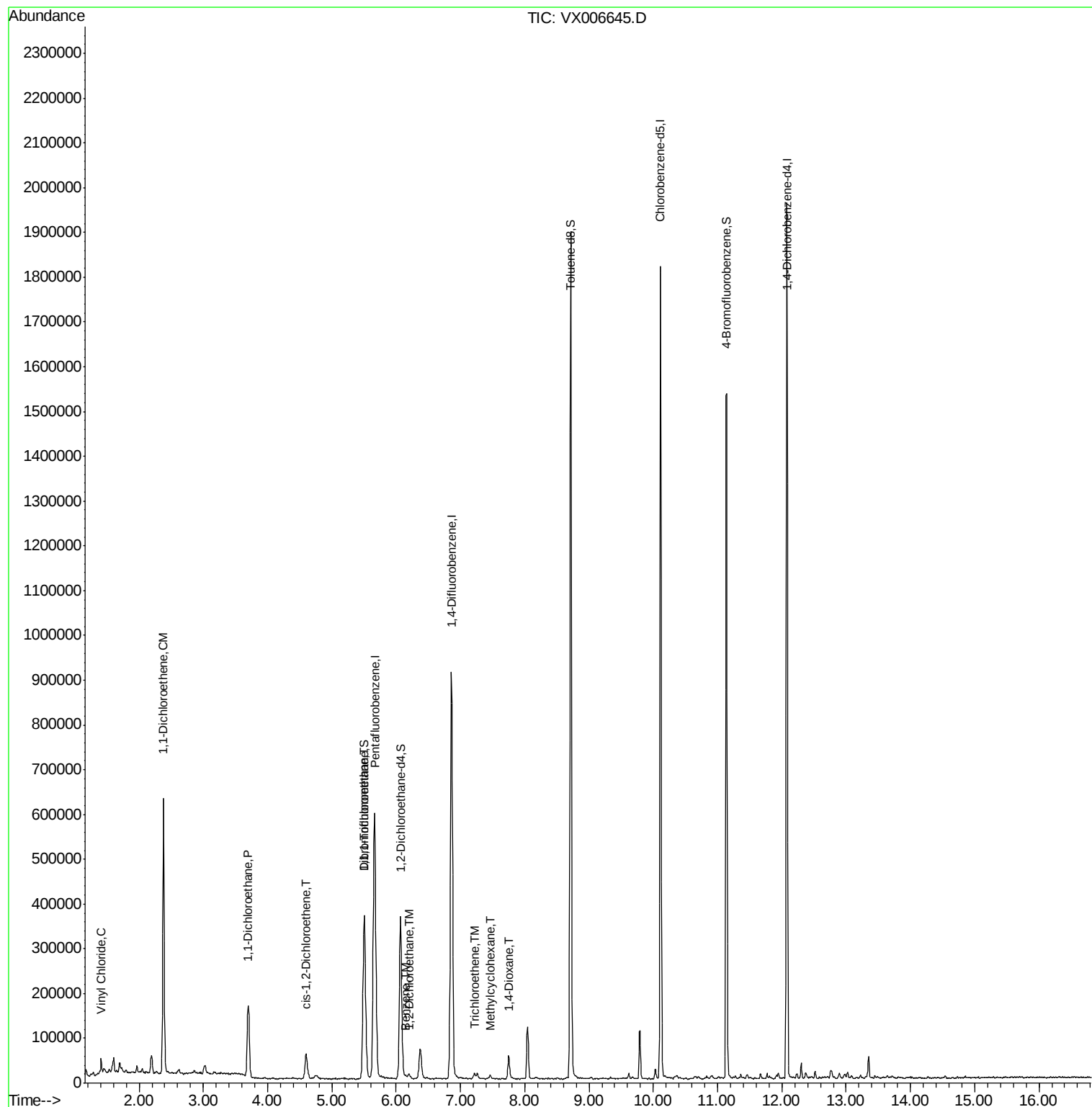
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	19867	3.165	ug/l	90
12) 1,1-Dichloroethene	2.38	96	211540	38.822	ug/l	99
24) 1,1-Dichloroethane	3.70	63	184830	18.452	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	37530	5.634	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	21248	2.426	ug/l	96
39) Methylcyclohexane	7.45	83	4343	0.408	ug/l #	62
40) Benzene	6.14	78	7664	0.312	ug/l	91
42) 1,2-Dichloroethane	6.20	62	11906	1.421	ug/l	94
44) Trichloroethene	7.22	130	4809	0.646	ug/l	74
49) 1,4-Dioxane	7.74	88	43166	238.054	ug/l	97

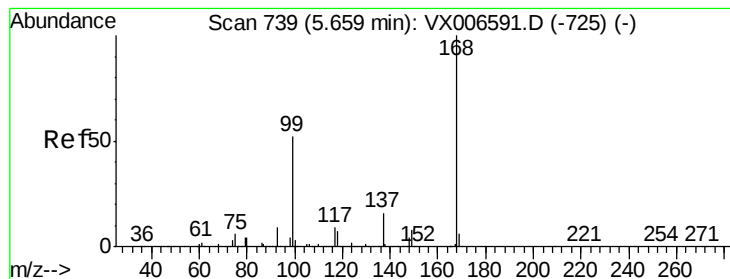
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121918\
Data File : VX006645.D
Acq On : 19 Dec 2018 18:58
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Quant Time: Dec 20 10:12:30 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: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

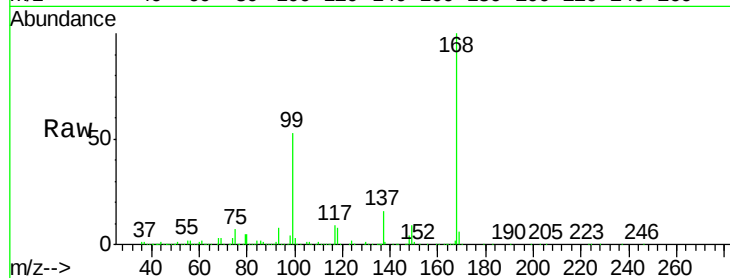
MW-2

Tot Ion:168 Resp: 609868

Ion Ratio Lower Upper

168 100

99 52.7 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

200000

150000

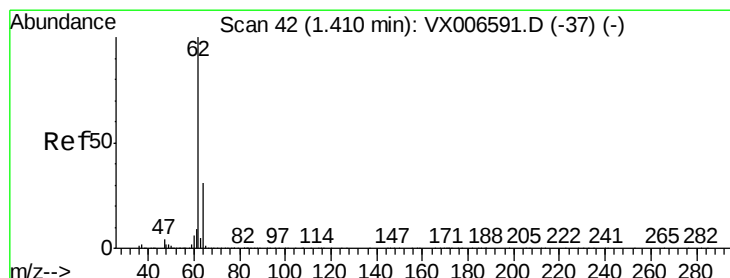
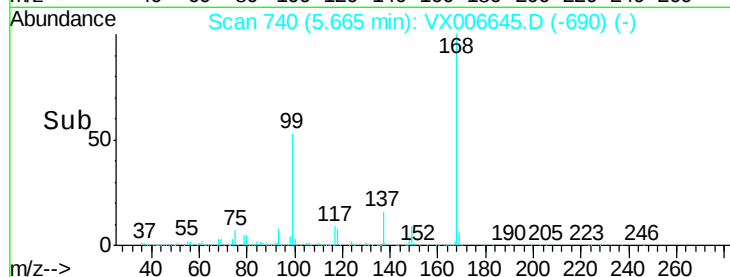
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 3.165 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006645.D

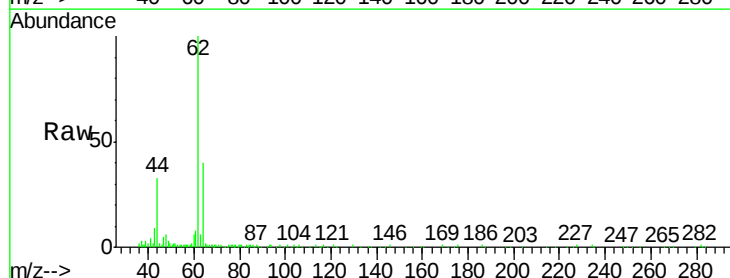
Acq: 19 Dec 2018 18:58

Tgt Ion: 62 Resp: 19867

Ion Ratio Lower Upper

62 100

64 36.9 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

20000

15000

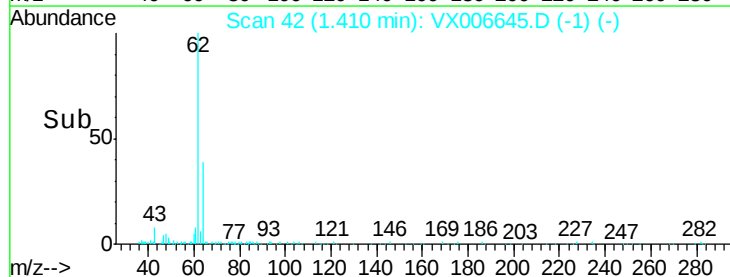
10000

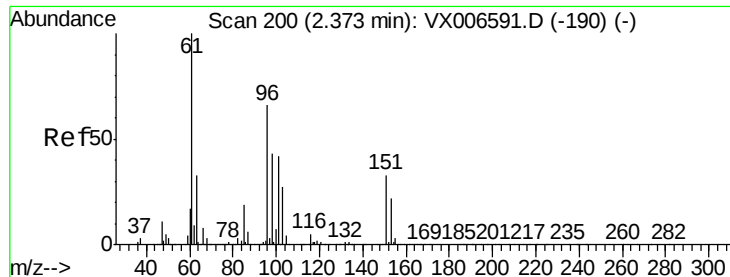
5000

0

Time-->

1.35 1.40 1.45 1.50





#12

1,1-Dichloroethene

Concen: 38.822 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

MW-2

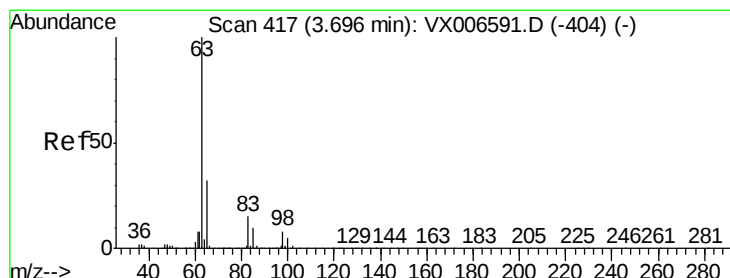
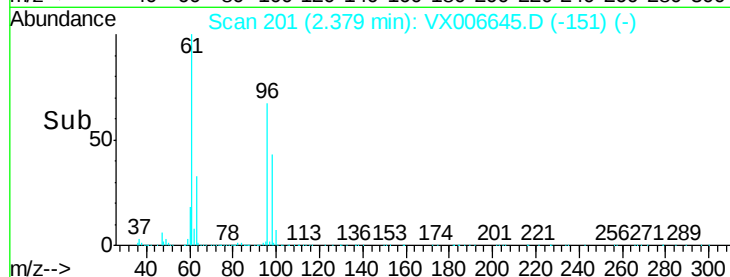
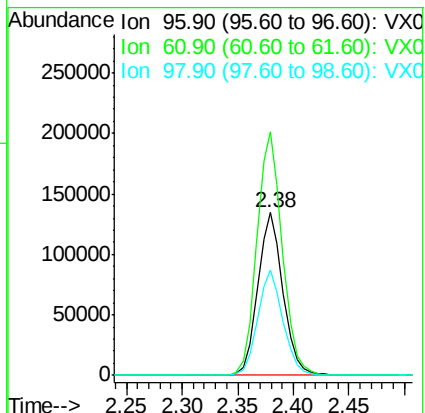
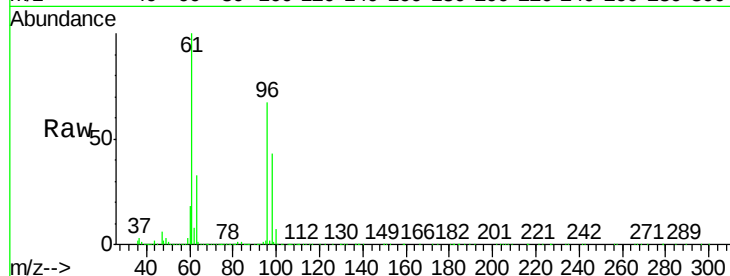
Tot Ion: 96 Resp: 211540

Ion Ratio Lower Upper

96 100

61 149.4 121.4 182.2

98 64.7 51.9 77.9



#24

1,1-Dichloroethane

Concen: 18.452 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

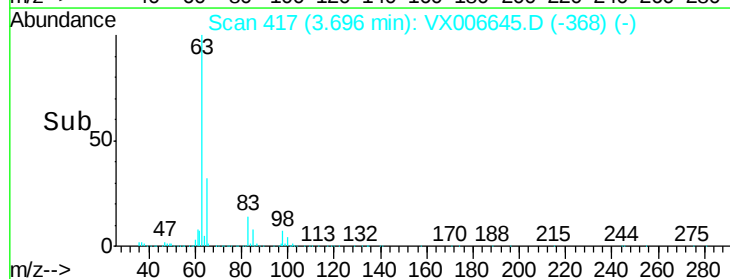
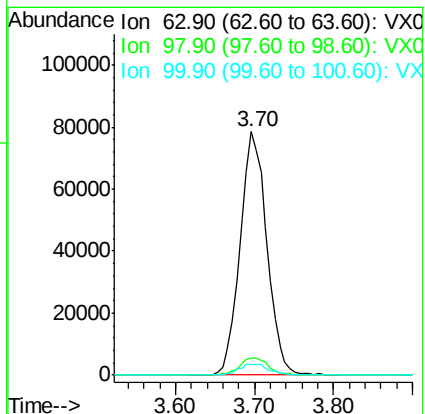
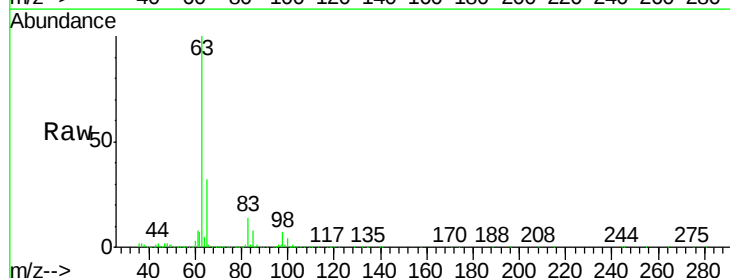
Tgt Ion: 63 Resp: 184830

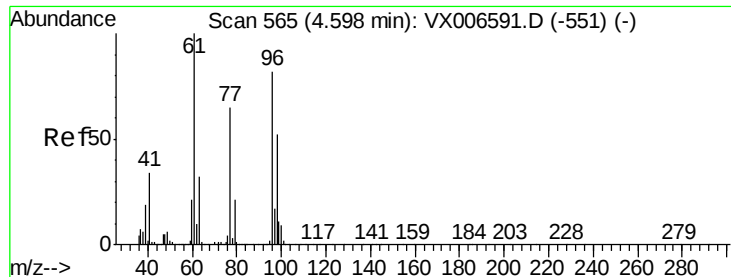
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.4 2.4 7.2



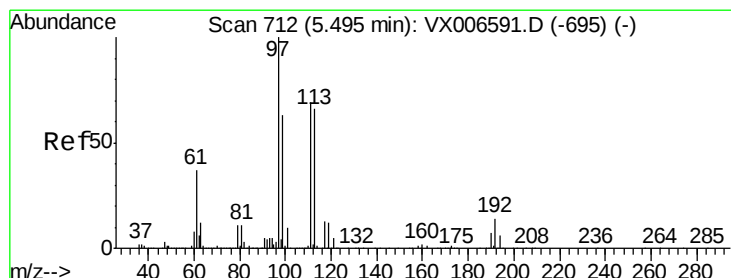
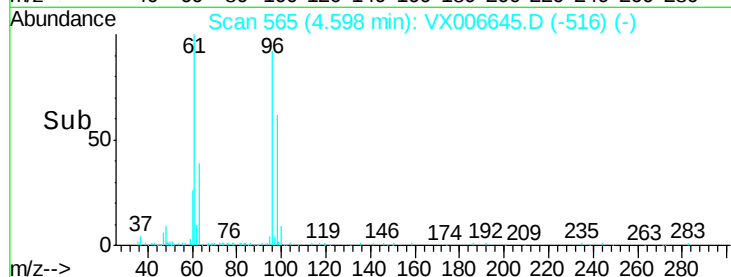
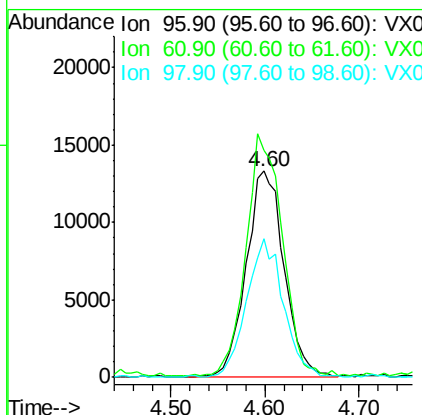
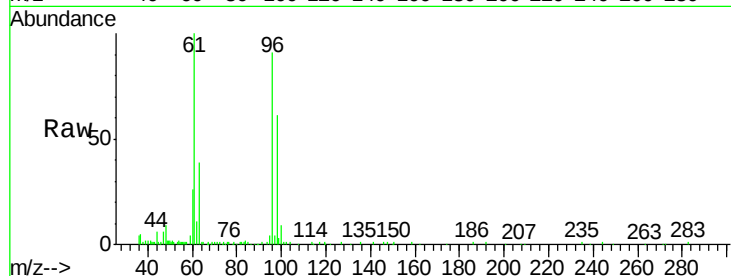


#27

cis-1,2-Dichloroethene
Concen: 5.634 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006645.D
Acq: 19 Dec 2018 18:58

Instrument :
MSVOA_X
ClientSampled :
MW-2

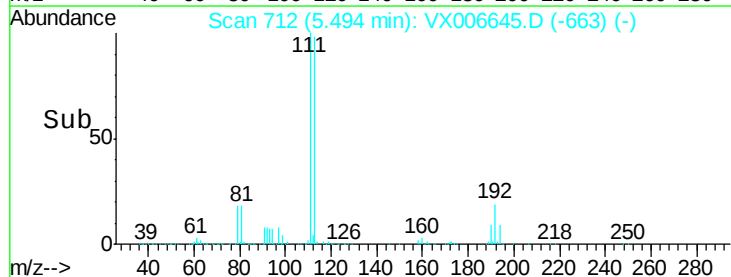
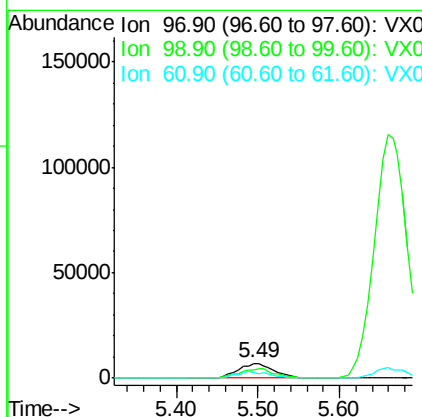
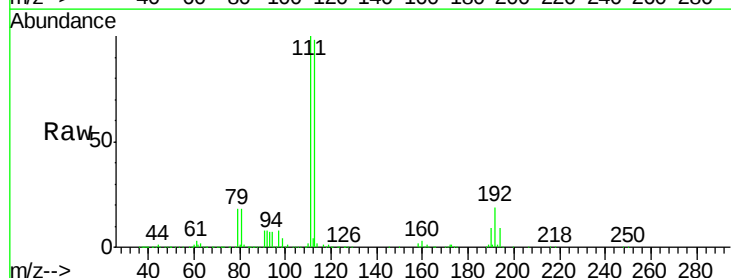
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.5	0.0	258.6
98	65.2	0.0	132.0

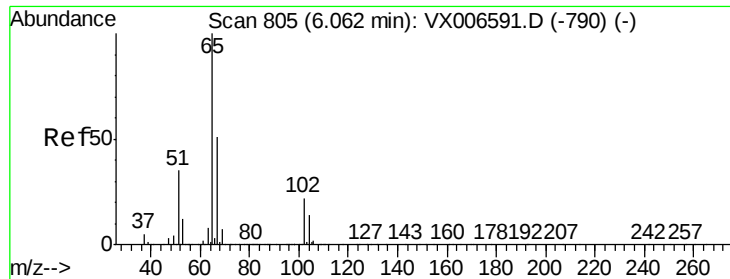


#32

1,1,1-Trichloroethane
Concen: 2.426 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006645.D
Acq: 19 Dec 2018 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.7	77.5
61	42.8	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 51.626 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

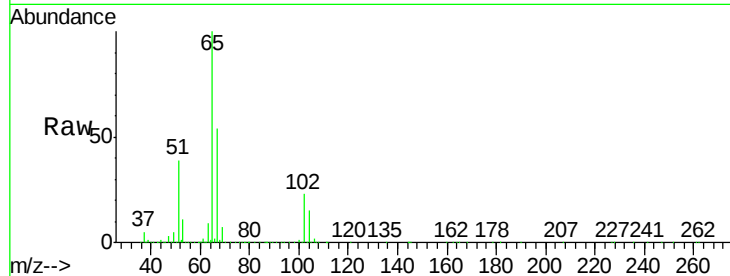
MW-2

Tot Ion: 65 Resp: 339335

Ion Ratio Lower Upper

65 100

67 54.2 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

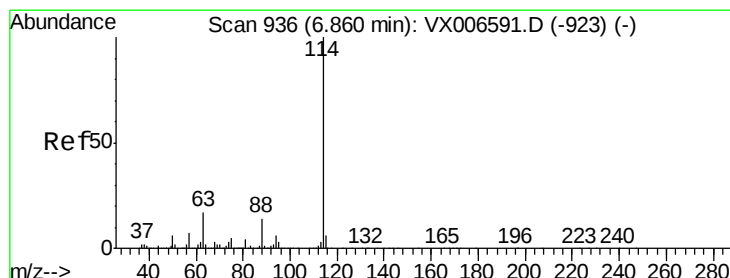
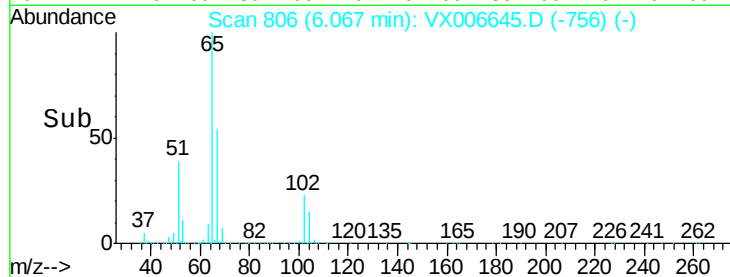
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

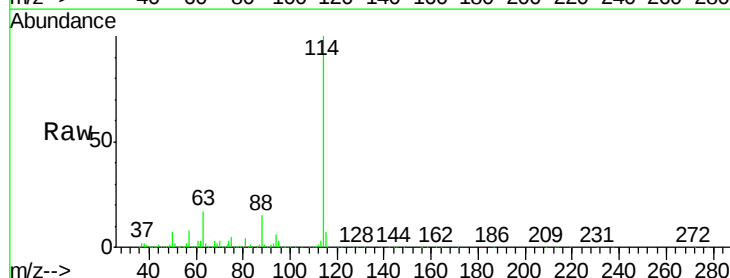
Tgt Ion: 114 Resp: 976873

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.8

88 14.9 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

6.86

500000

400000

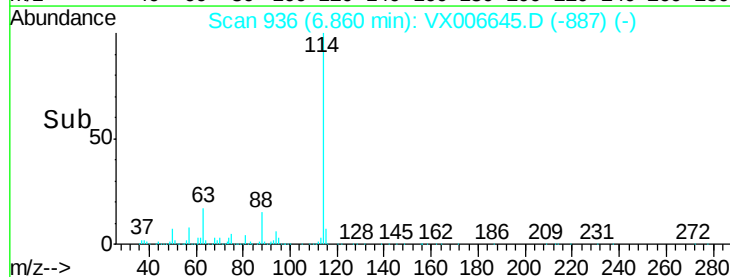
300000

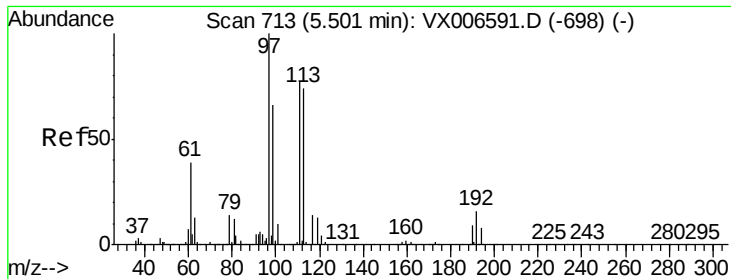
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.822 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

MW-2

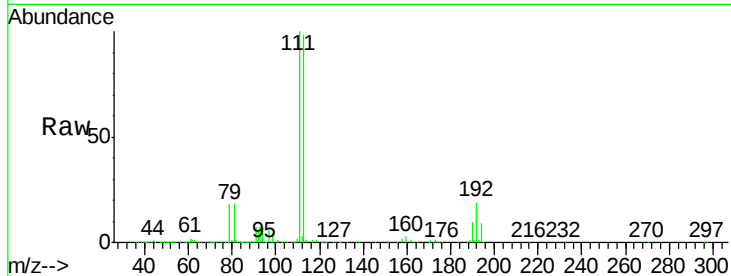
Tot Ion:113 Resp: 295423

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

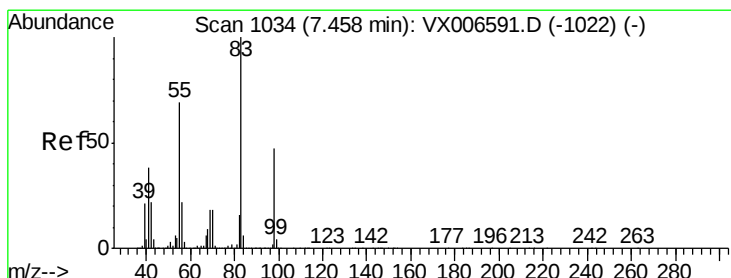
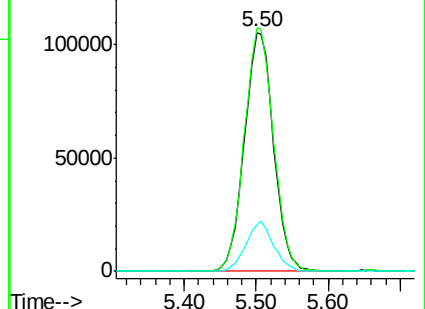
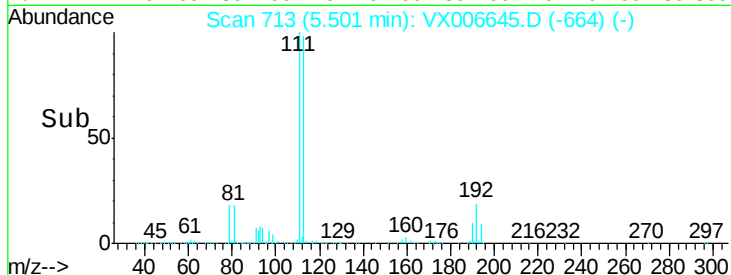
192 19.7 16.7 25.1



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: 0.408 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

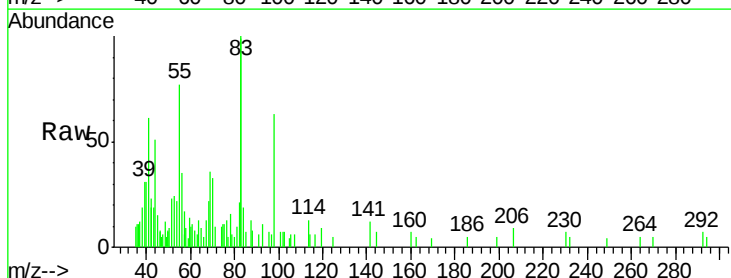
Tgt Ion: 83 Resp: 4343

Ion Ratio Lower Upper

83 100

55 32.3 54.9 82.3#

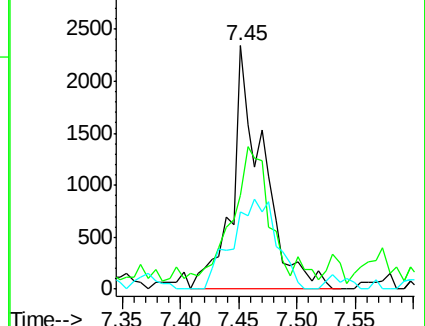
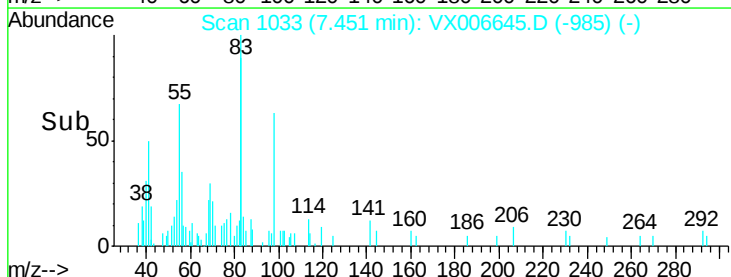
98 29.0 37.9 56.9#

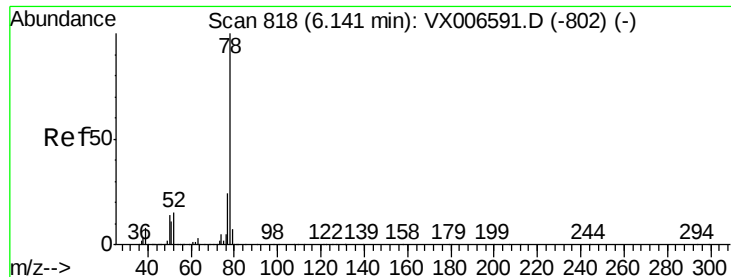


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.312 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

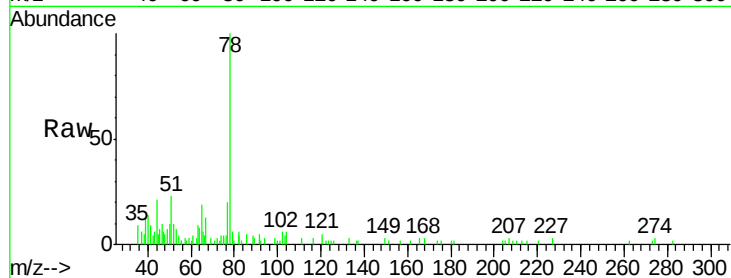
MW-2

Tot Ion: 78 Resp: 7664

Ion Ratio Lower Upper

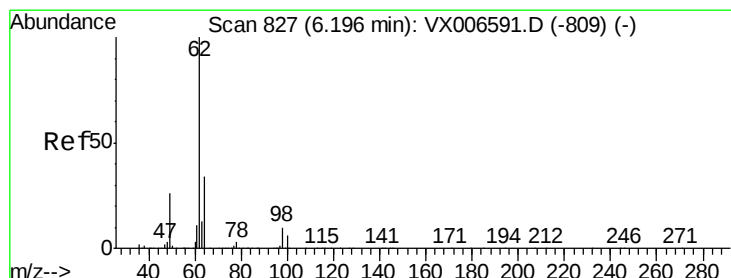
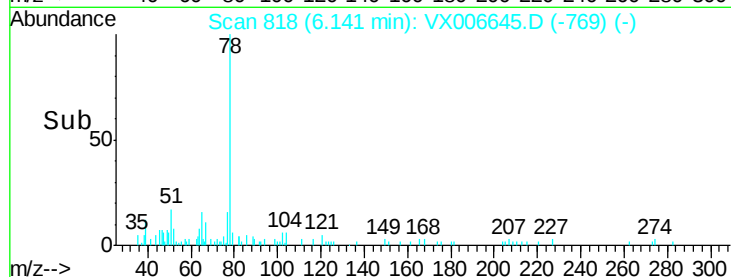
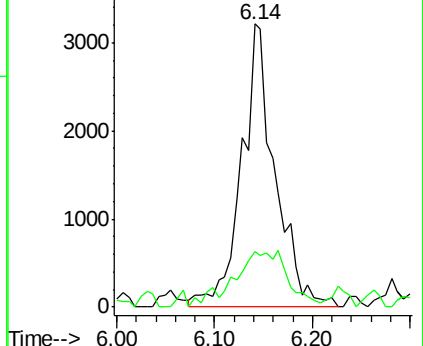
78 100

77 19.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 1.421 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX006645.D

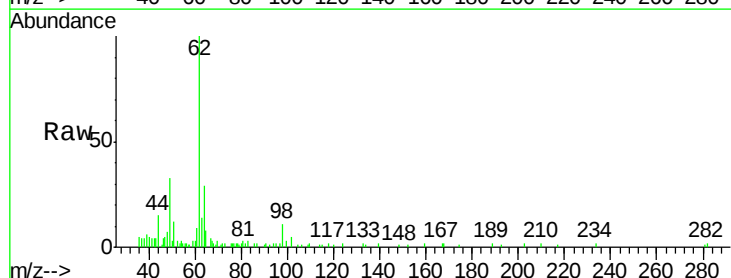
Acq: 19 Dec 2018 18:58

Tgt Ion: 62 Resp: 11906

Ion Ratio Lower Upper

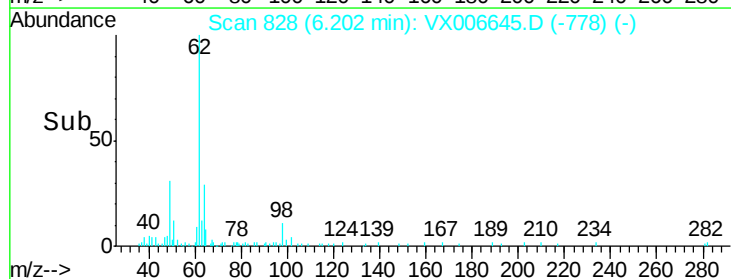
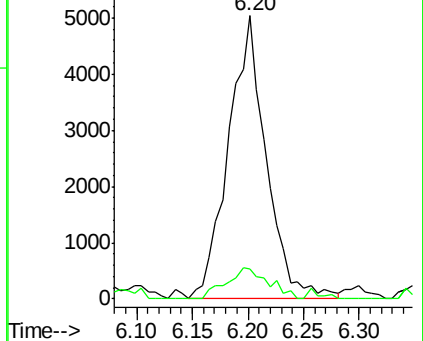
62 100

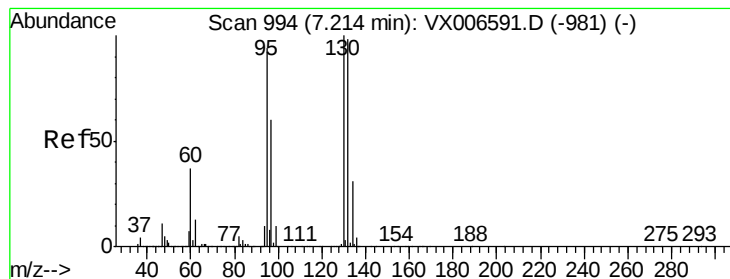
98 12.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 0.646 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

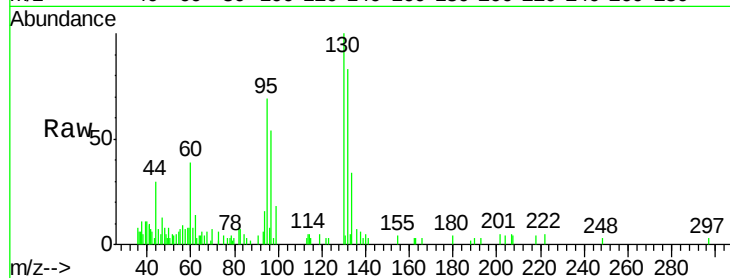
MW-2

Tot Ion:130 Resp: 4809

Ion Ratio Lower Upper

130 100

95 68.8 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

2500

2000

1500

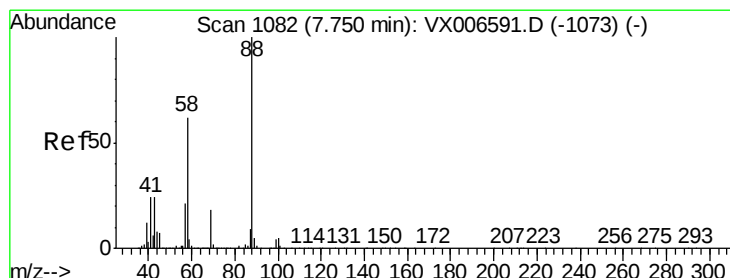
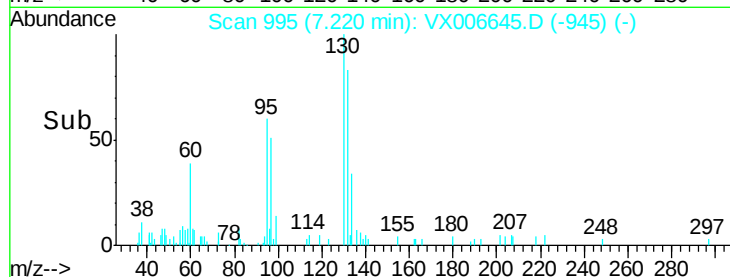
1000

500

0

7.10 7.15 7.20 7.25 7.30

Time-->



#49

1,4-Dioxane

Concen: 238.054 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

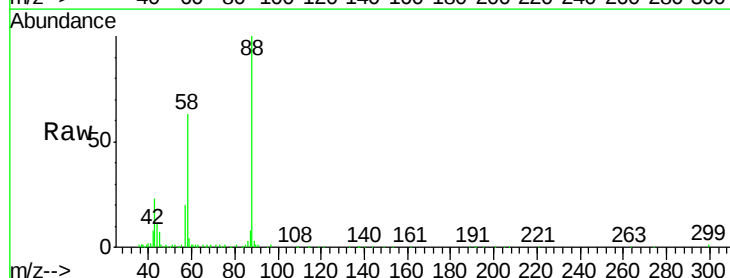
Tgt Ion: 88 Resp: 43166

Ion Ratio Lower Upper

88 100

43 25.1 22.2 33.4

58 62.3 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

7.74

25000

20000

15000

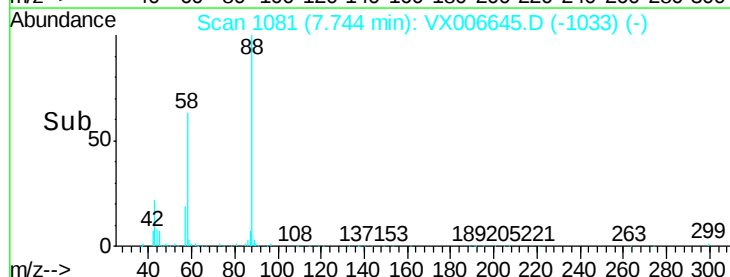
10000

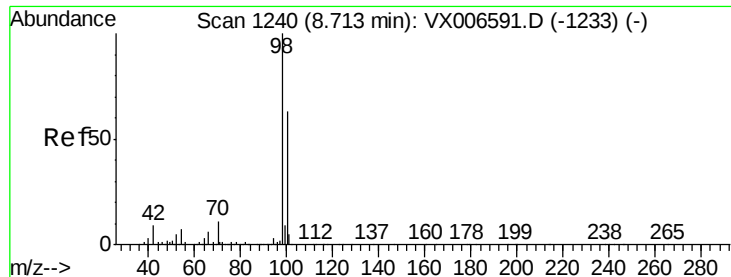
5000

0

7.70 7.80

Time-->





#50

Toluene-d8

Concen: 50.086 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

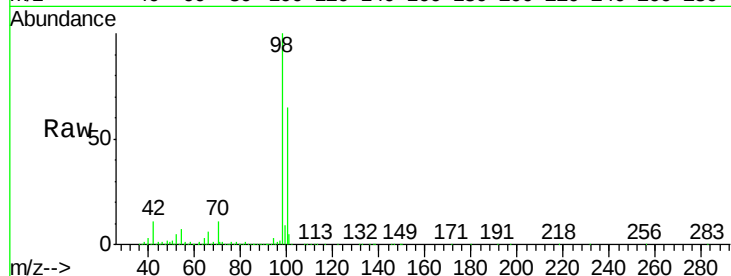
MW-2

Tot Ion: 98 Resp: 1166480

Ion Ratio Lower Upper

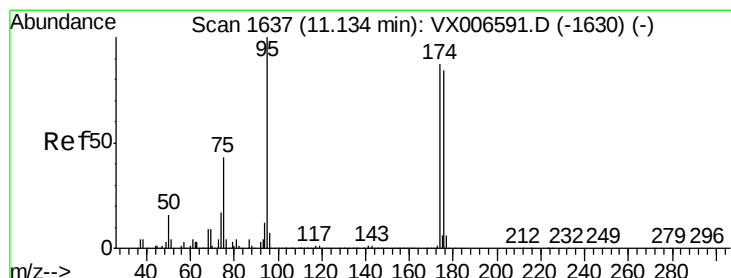
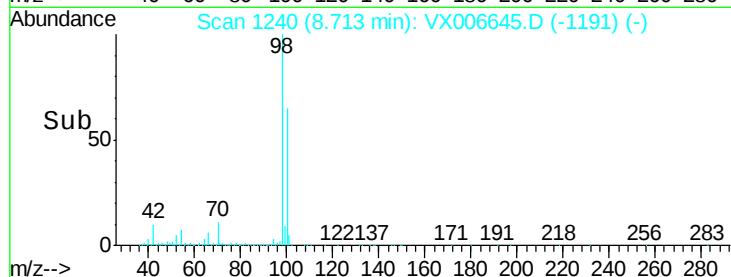
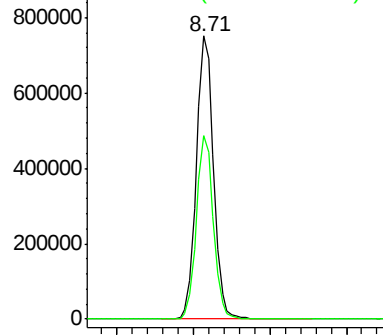
98 100

100 64.2 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: 49.477 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006645.D

Acq: 19 Dec 2018 18:58

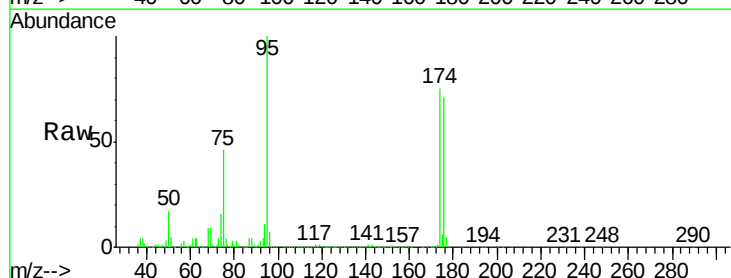
Tgt Ion: 95 Resp: 422022

Ion Ratio Lower Upper

95 100

174 85.2 0.0 182.2

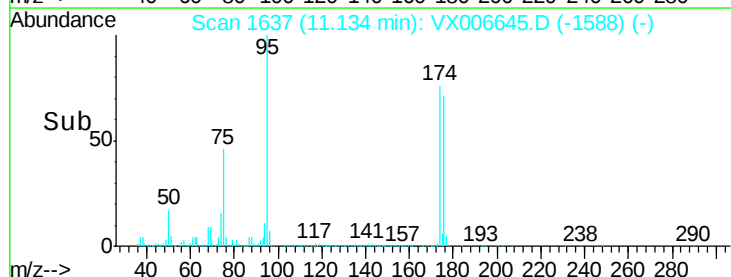
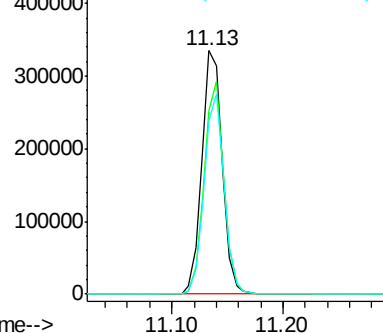
176 81.0 0.0 178.8

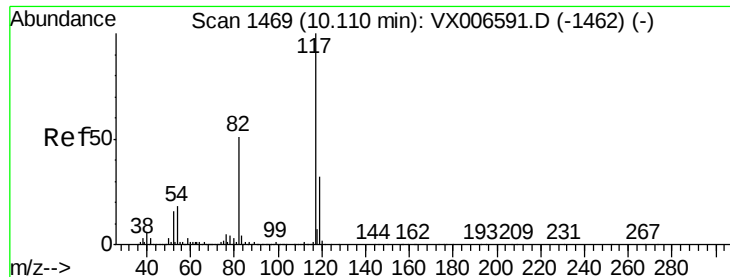


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

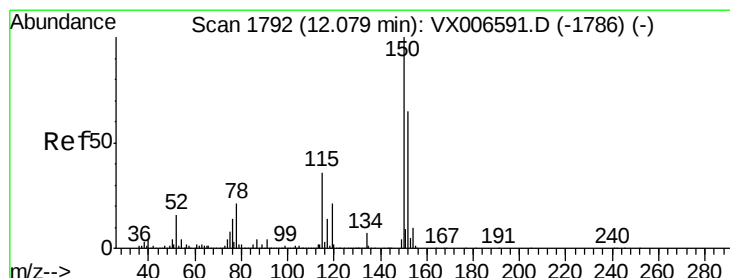
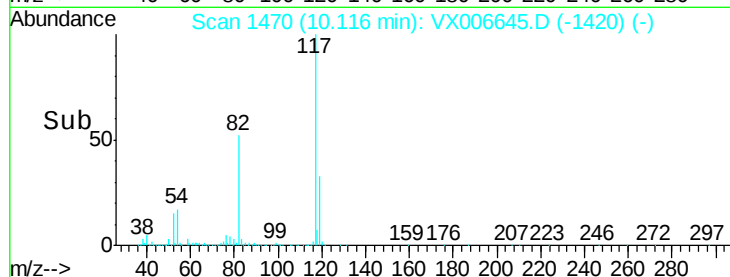
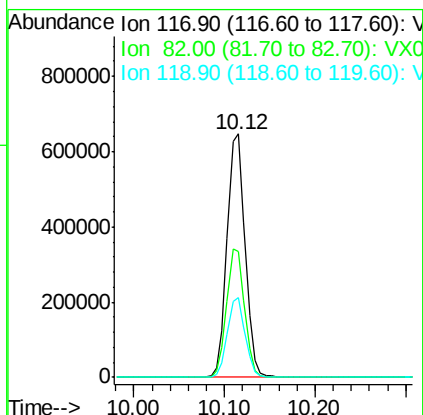
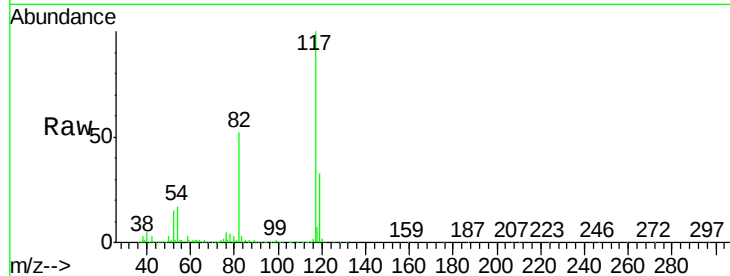




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006645.D
Acq: 19 Dec 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion:117 Resp: 898771
Ion Ratio Lower Upper
117 100
82 51.7 41.0 61.6
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006645.D
Acq: 19 Dec 2018 18:58

Tgt Ion:152 Resp: 421333
Ion Ratio Lower Upper
152 100
115 57.0 39.1 117.2
150 157.4 0.0 344.8

