

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004781.D
 Acq On : 27 Sep 2018 18:24
 Operator : JC/MD
 Sample : J5048-16 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-150-SEP18

Quant Time: Sep 28 13:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

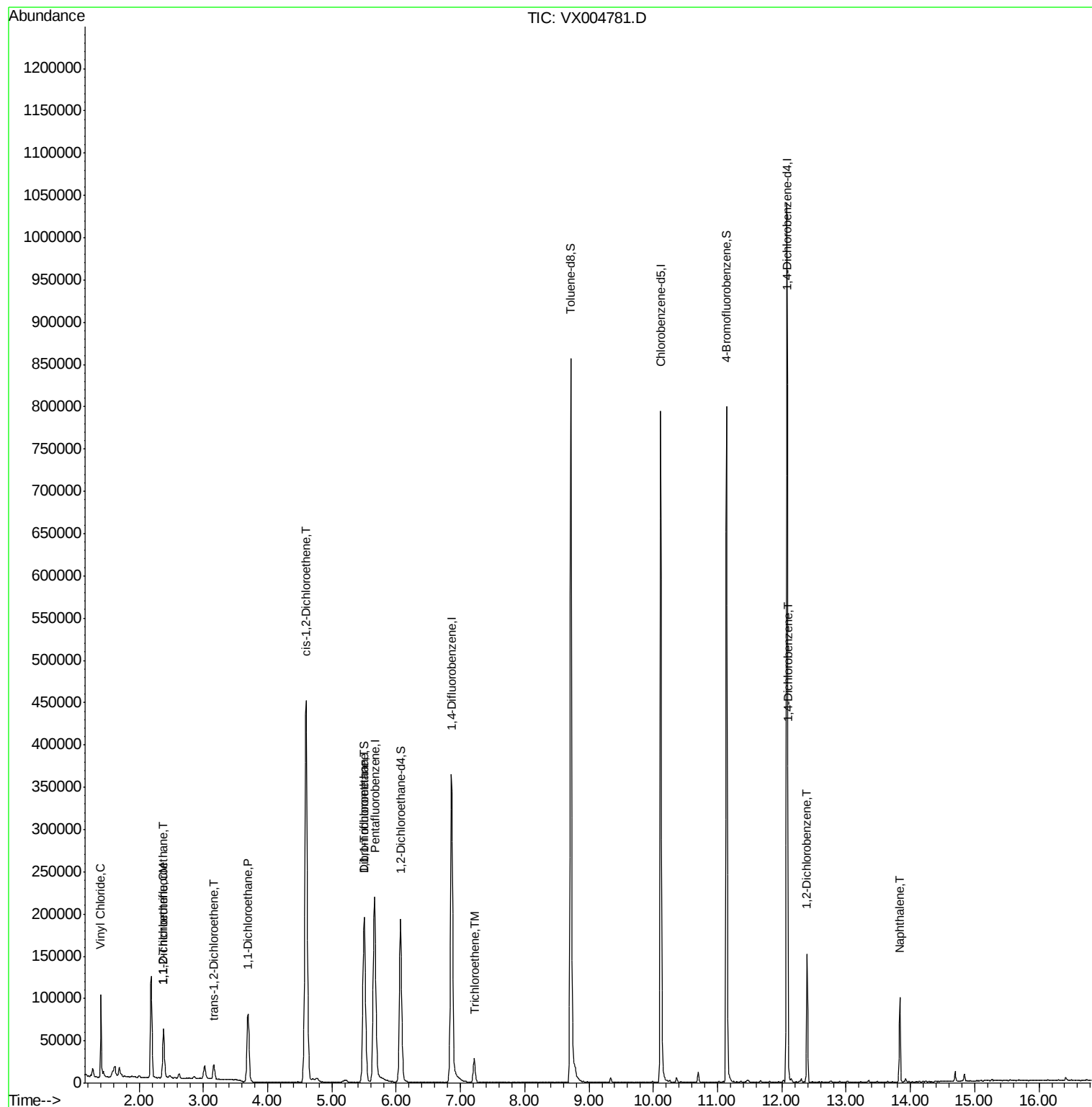
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	377453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180638	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	5.51	113	152569	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.72	98	560014	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.14	95	203971	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	62321	17.240	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	16579	6.503	ug/l	97
12) 1,1-Dichloroethene	2.37	96	7233	2.865	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	6962	2.519	ug/l	98
24) 1,1-Dichloroethane	3.70	63	94482	17.076	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	288286	93.376	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	16687	3.907	ug/l	99
44) Trichloroethene	7.21	130	11181	3.283	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	6792	0.907	ug/l #	63
91) 1,2-Dichlorobenzene	12.40	146	52856	6.974	ug/l	98
95) Naphthalene	13.83	128	61776	4.170	ug/l	100

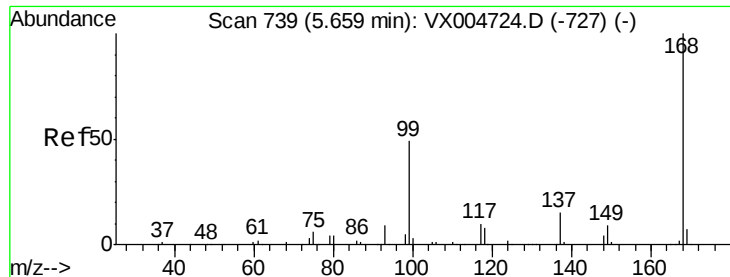
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

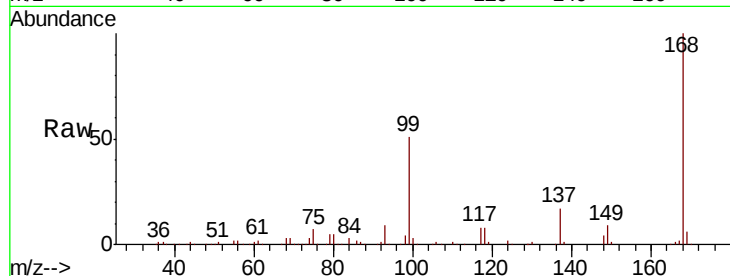
MW-150-SEP18

Tot Ion:168 Resp: 233000

Ion Ratio Lower Upper

168 100

99 51.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

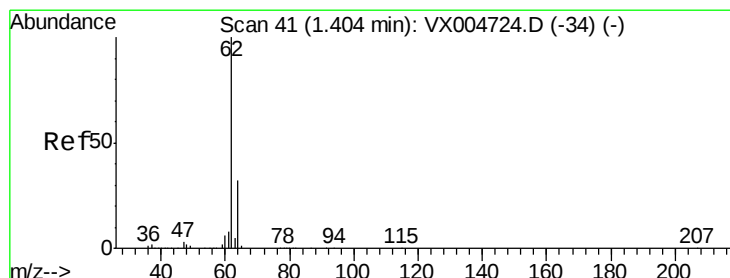
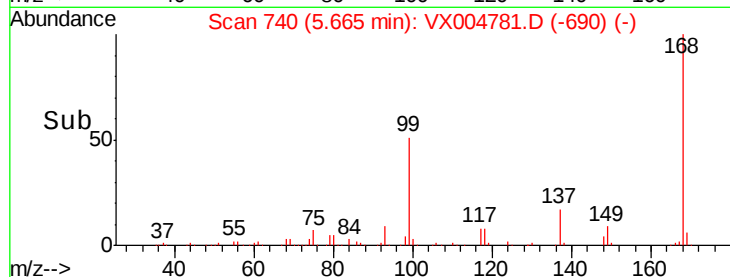
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 17.240 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004781.D

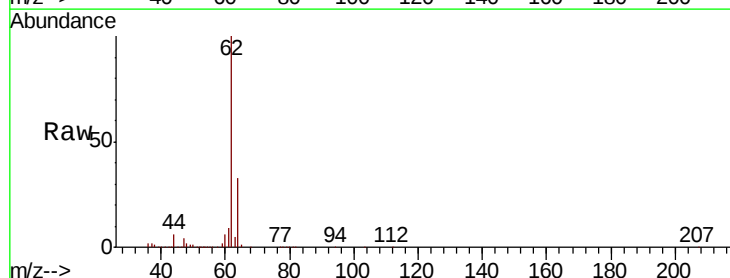
Acq: 27 Sep 2018 18:24

Tgt Ion: 62 Resp: 62321

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

60000

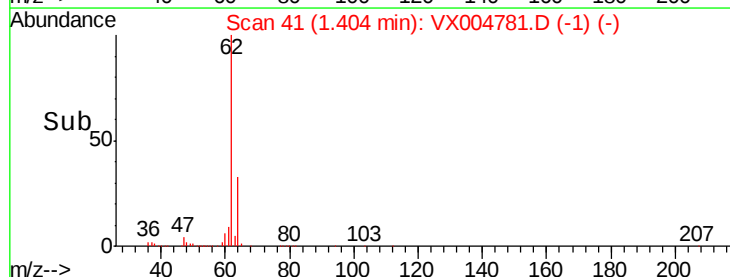
40000

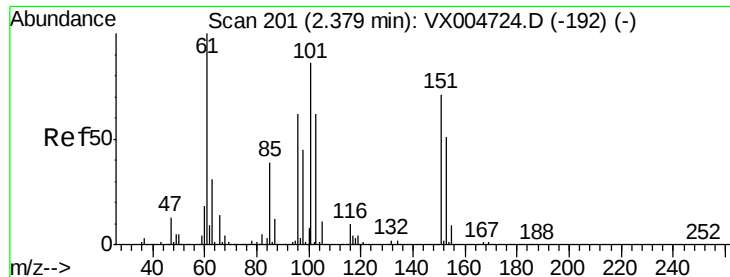
20000

0

Time-->

1.35 1.40 1.45 1.50 1.55





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.503 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampled :

MW-150-SEP18

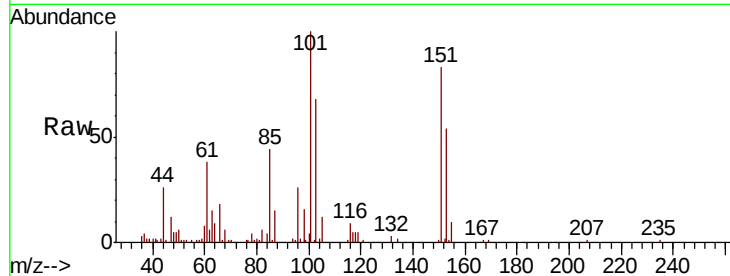
Tot Ion:101 Resp: 16579

Ion Ratio Lower Upper

101 100

85 45.3 34.2 51.4

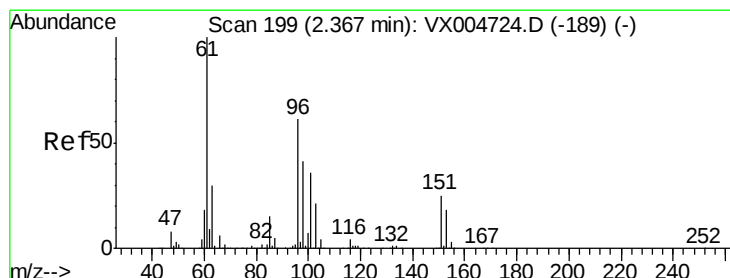
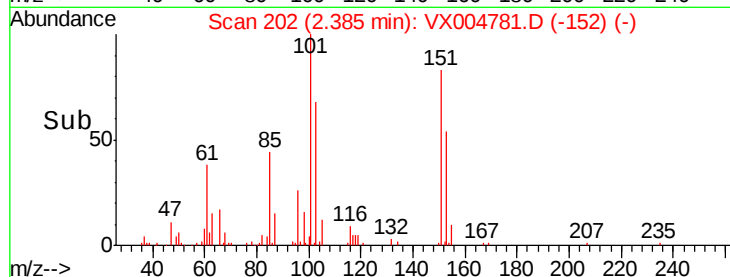
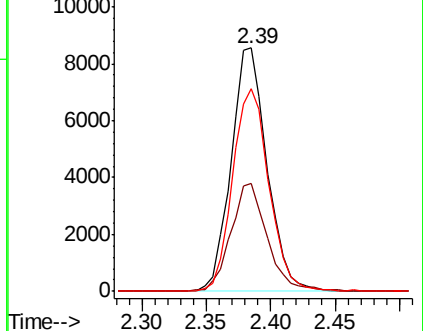
151 84.2 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 2.865 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

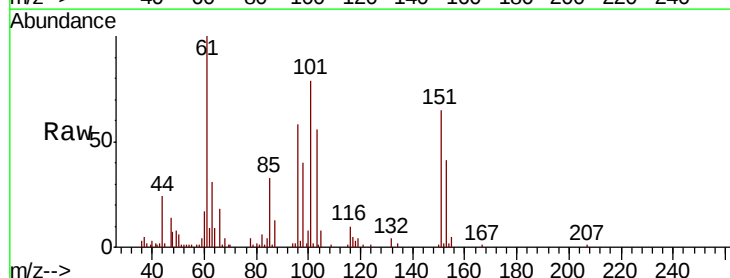
Tgt Ion: 96 Resp: 7233

Ion Ratio Lower Upper

96 100

61 172.0 128.8 193.2

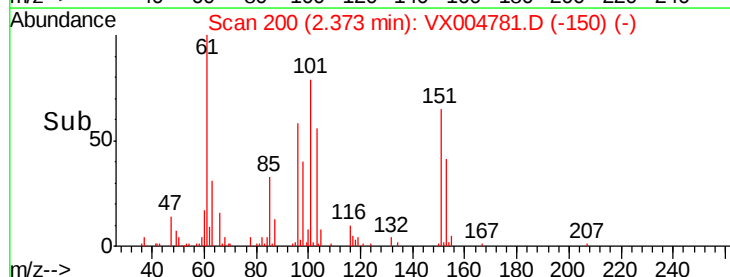
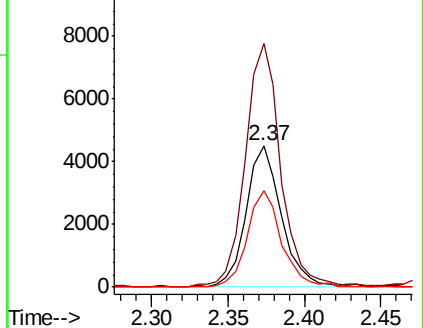
98 68.1 52.2 78.2

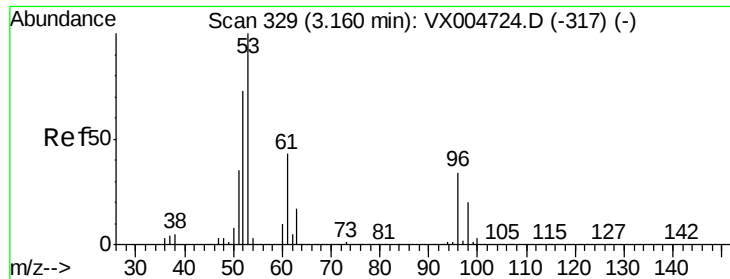


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 2.519 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

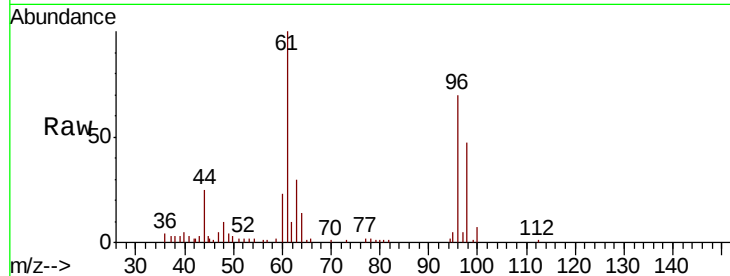
Tot Ion: 96 Resp: 6962

Ion Ratio Lower Upper

96 100

61 141.6 113.8 170.6

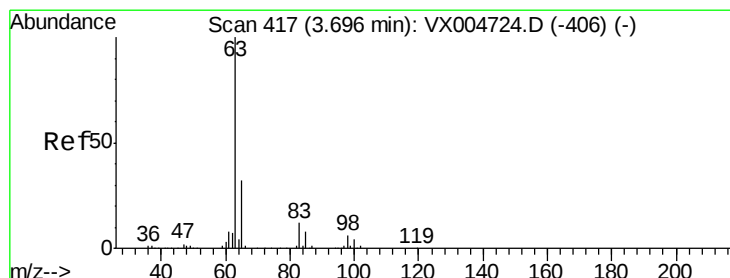
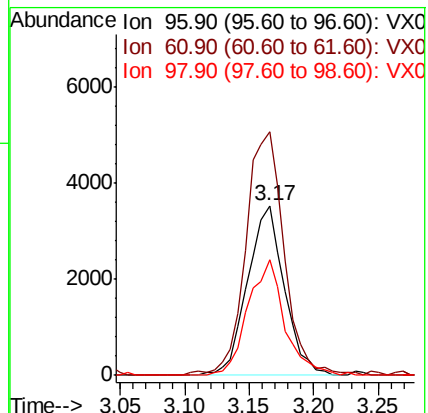
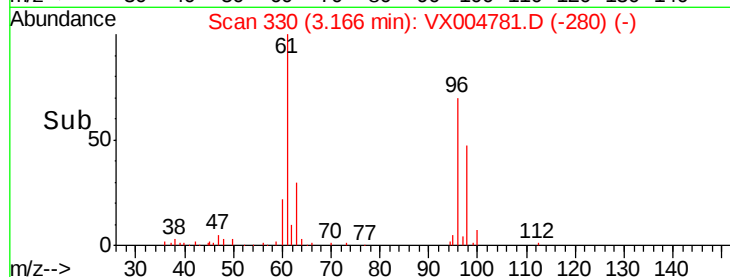
98 68.0 51.8 77.8



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: 17.076 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

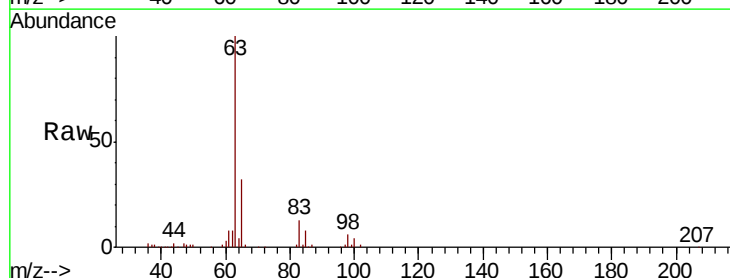
Tgt Ion: 63 Resp: 94482

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

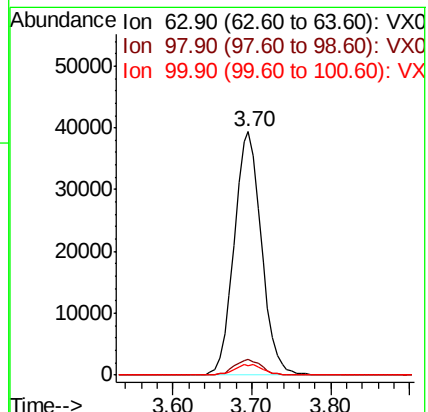
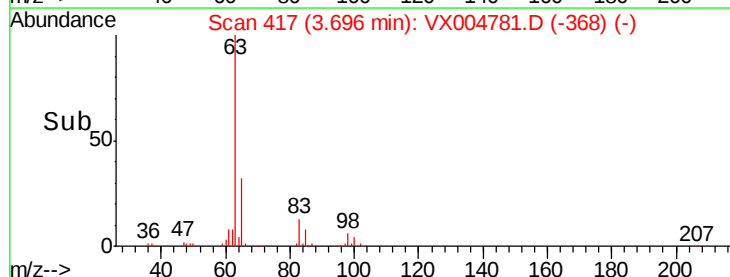
100 4.1 2.4 7.1

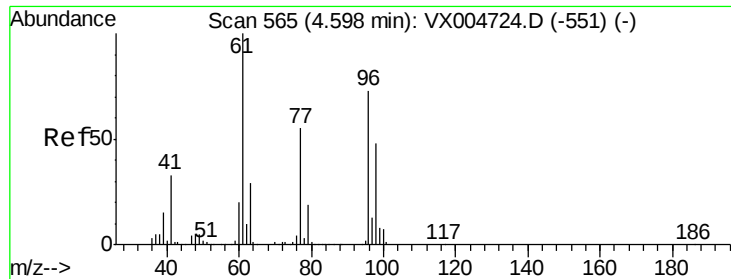


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



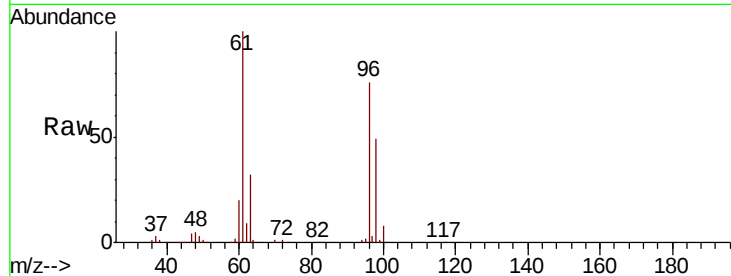


#27

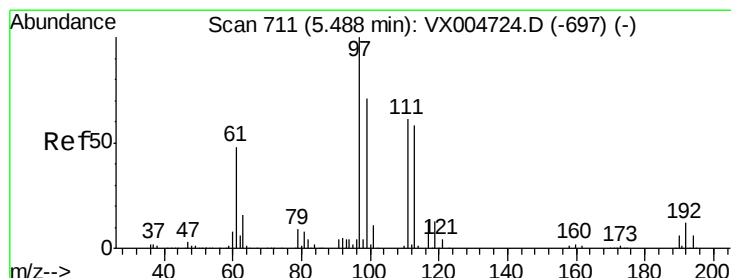
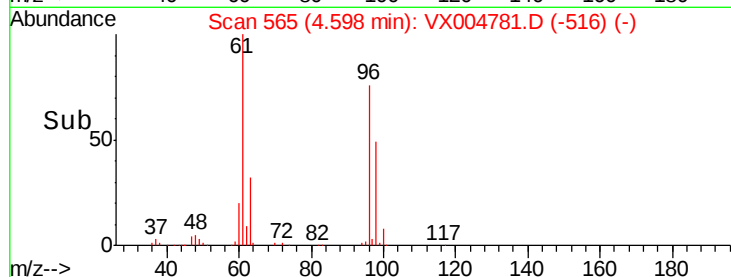
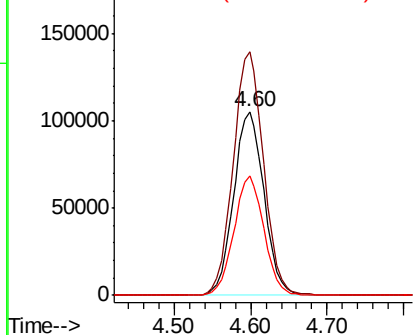
cis-1,2-Dichloroethene
 Concen: 93.376 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-150-SEP18

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	282.6
98	64.5	0.0	130.2



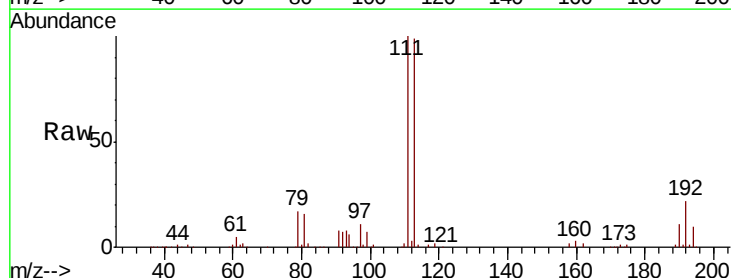
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



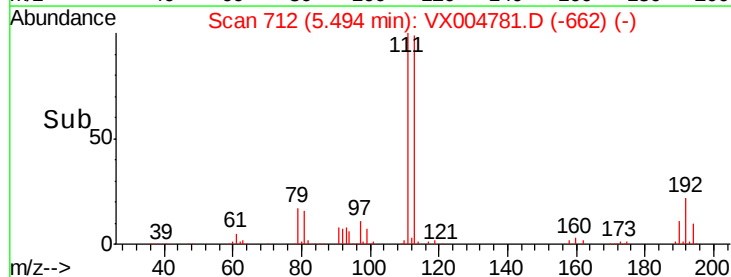
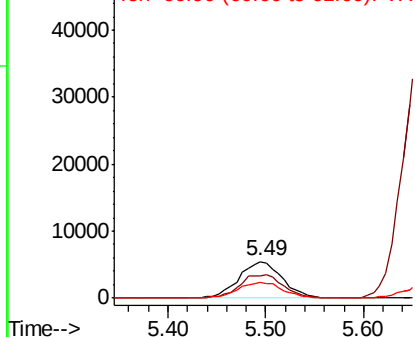
#32

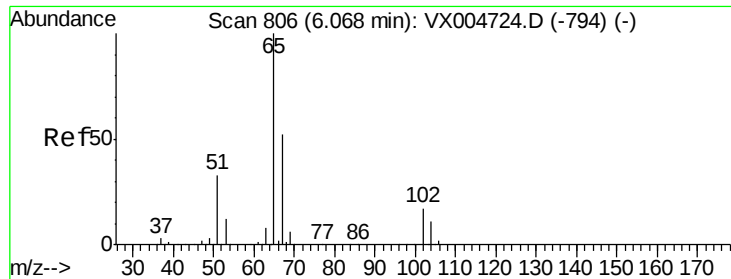
1,1,1-Trichloroethane
 Concen: 3.907 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VX004781.D
 Acq: 27 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	45.6	34.9	52.3



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: 54.272 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

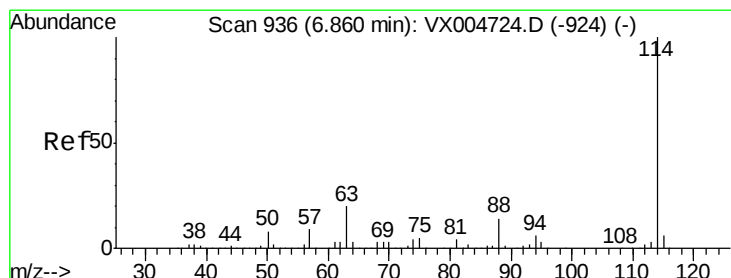
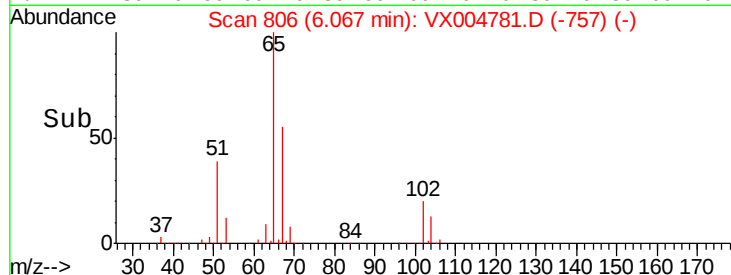
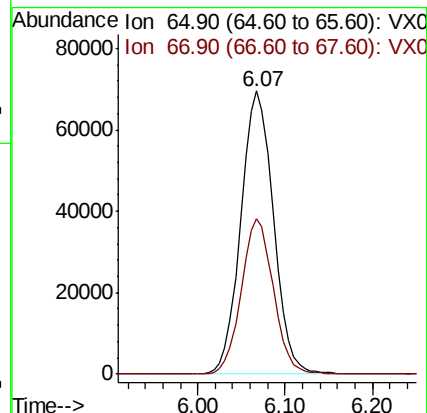
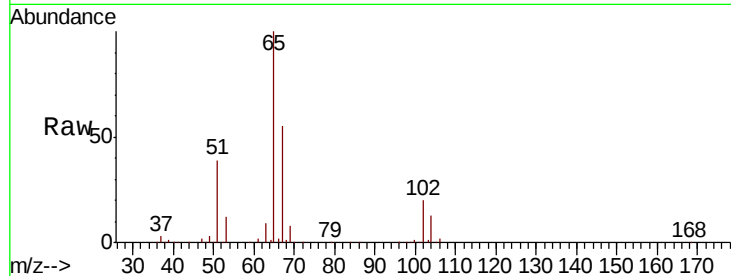
MW-150-SEP18

Tot Ion: 65 Resp: 180638

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

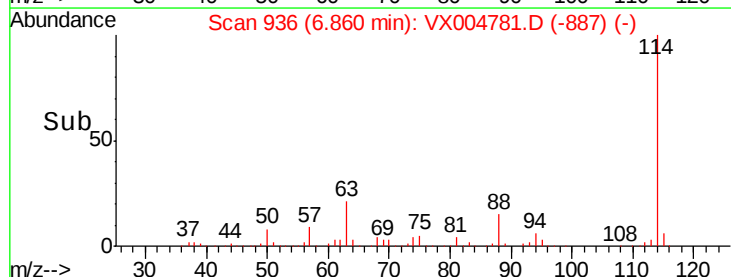
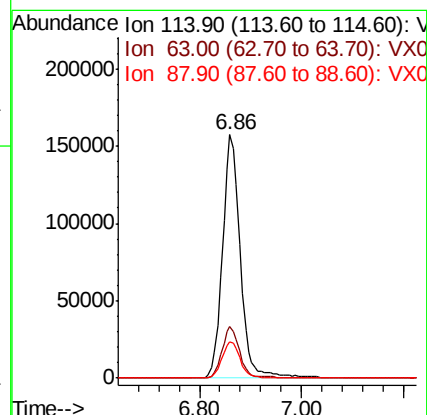
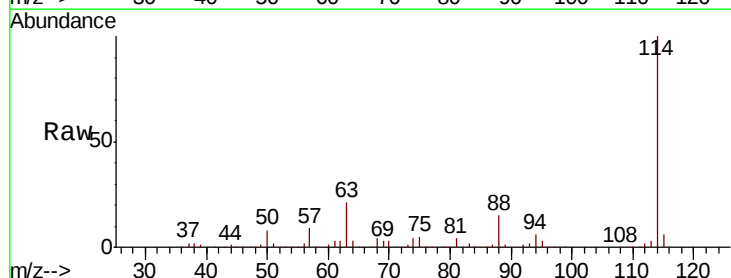
Tgt Ion: 114 Resp: 382653

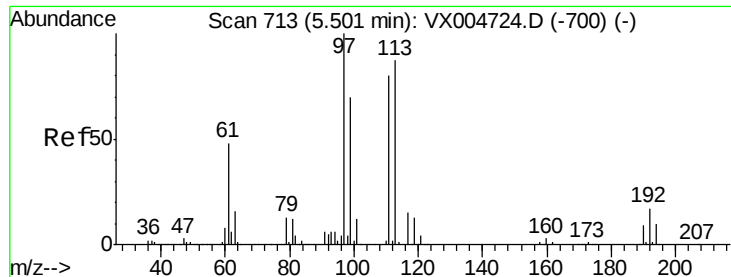
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.045 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

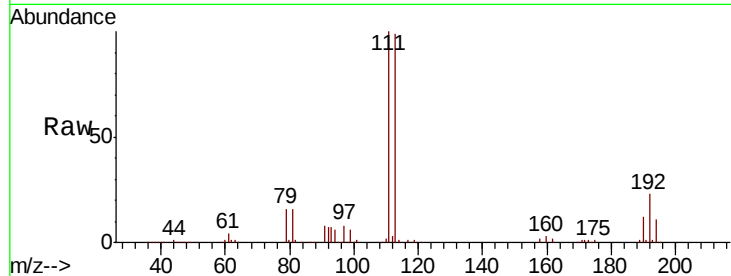
Tot Ion:113 Resp: 152569

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

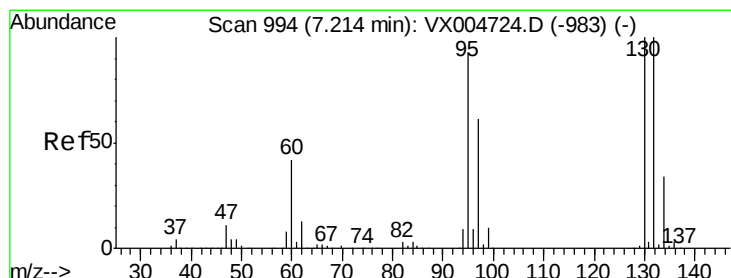
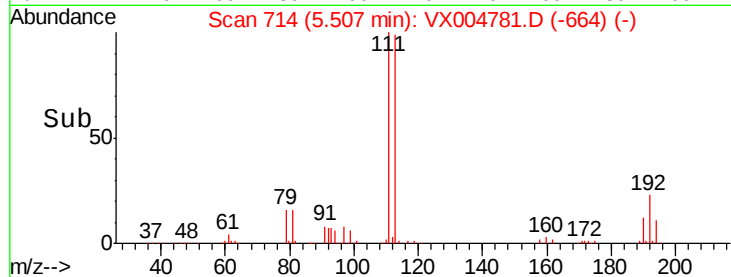
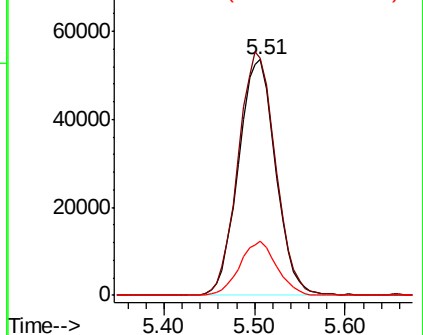
192 22.9 19.4 29.2



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



#44

Trichloroethene

Concen: 3.283 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004781.D

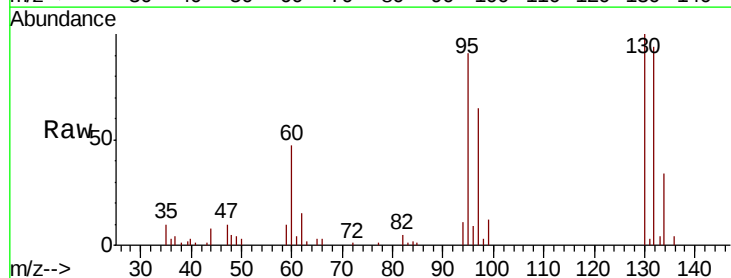
Acq: 27 Sep 2018 18:24

Tgt Ion:130 Resp: 11181

Ion Ratio Lower Upper

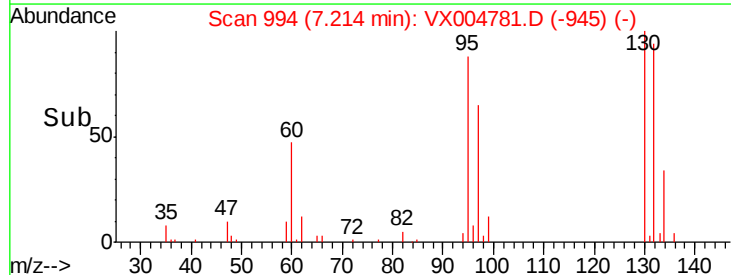
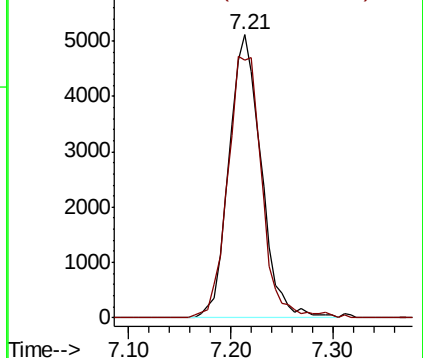
130 100

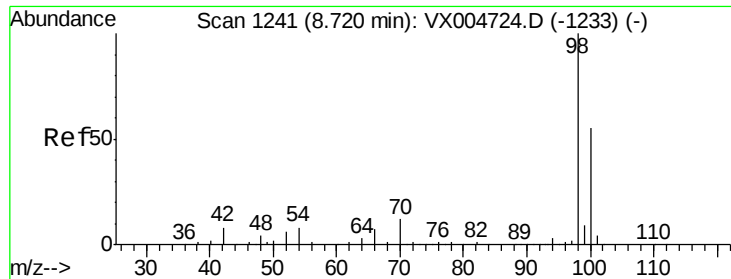
95 91.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

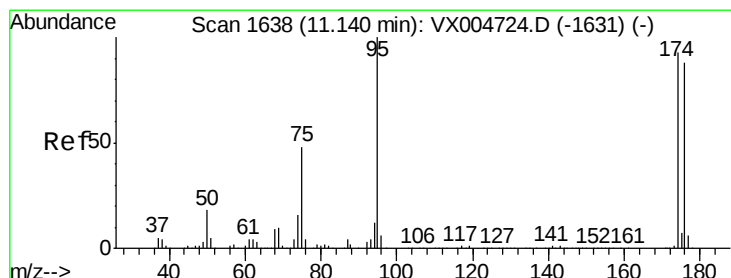
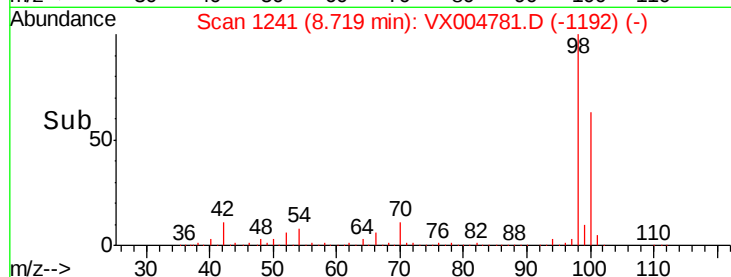
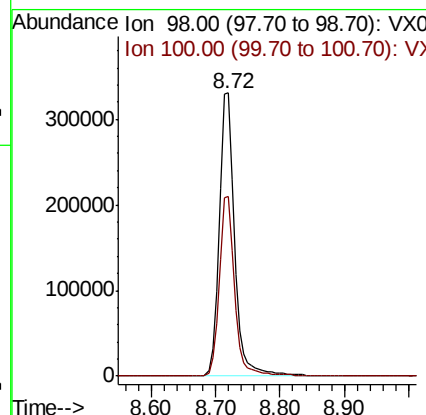
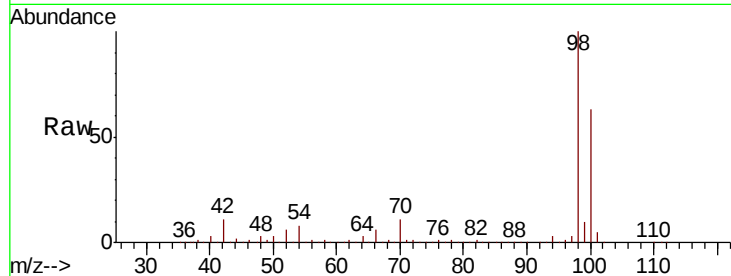




#50
Toluene-d8
Concen: 51.942 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

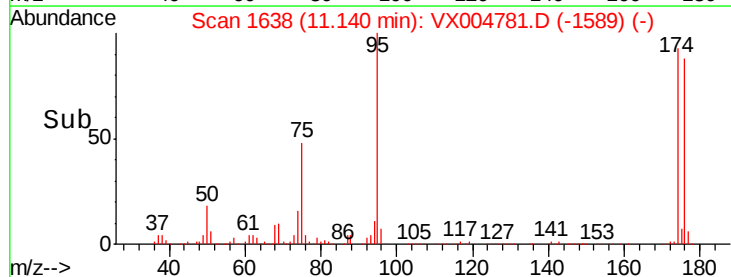
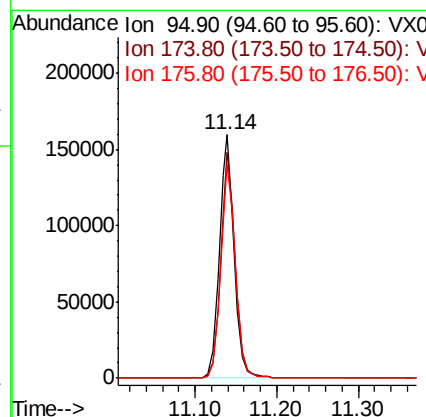
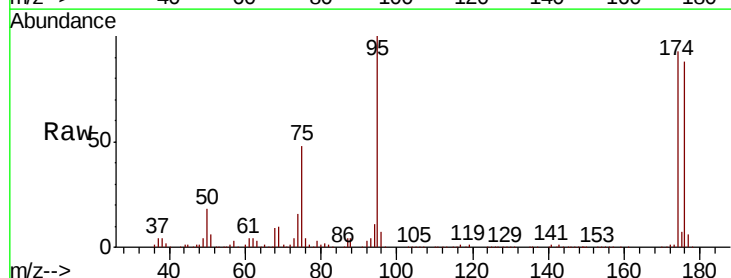
Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

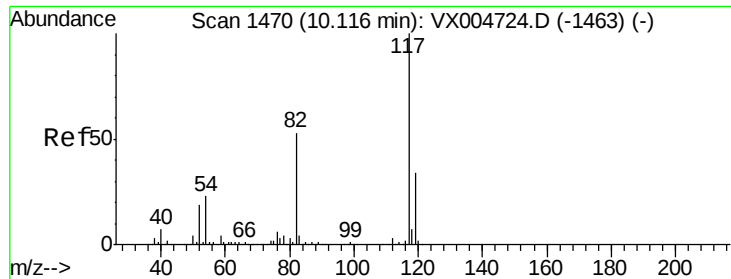
Tot Ion: 98 Resp: 560014
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 52.515 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Tgt Ion: 95 Resp: 203971
Ion Ratio Lower Upper
95 100
174 91.5 0.0 185.2
176 87.4 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

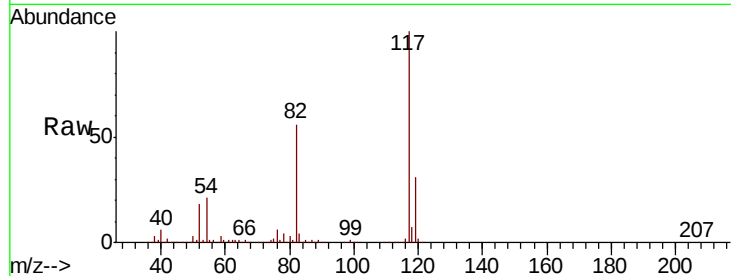
Tot Ion:117 Resp: 377453

Ion Ratio Lower Upper

117 100

82 56.1 47.8 71.6

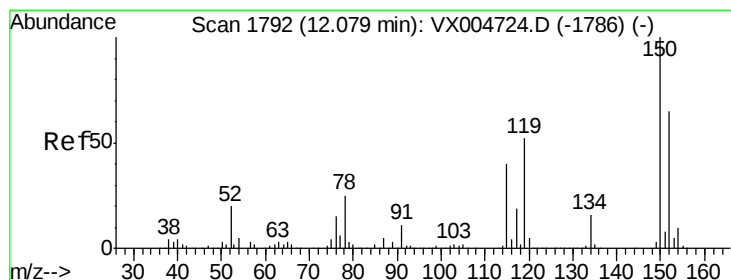
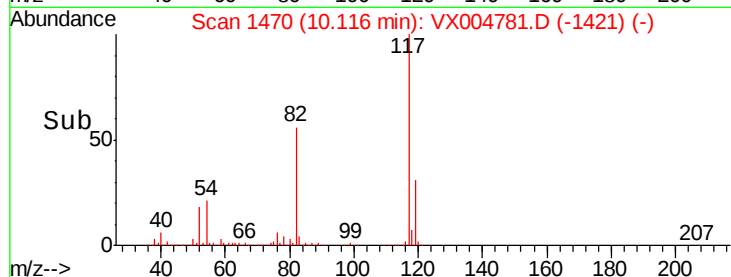
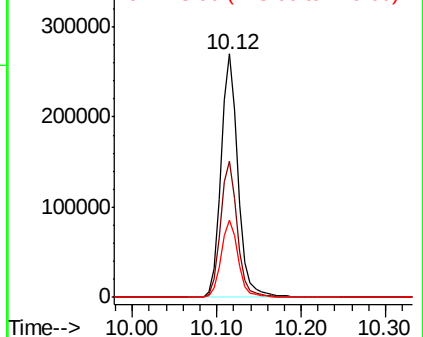
119 31.5 29.3 43.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

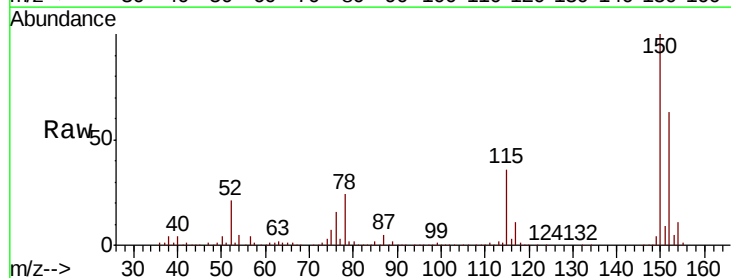
Tgt Ion:152 Resp: 212151

Ion Ratio Lower Upper

152 100

115 55.5 39.0 117.0

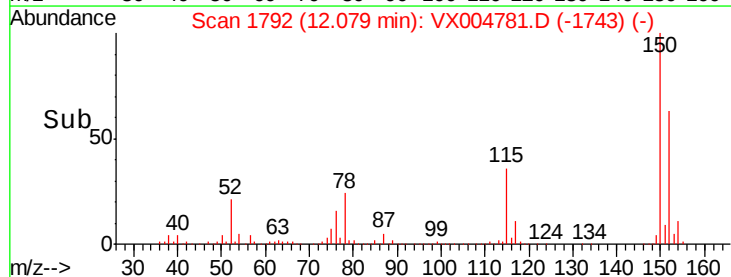
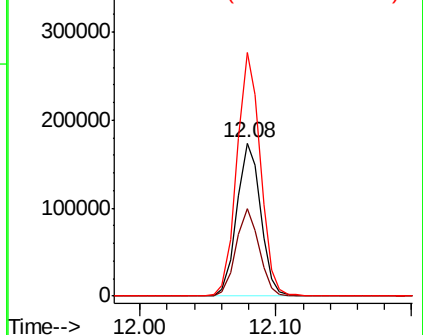
150 157.0 0.0 351.0

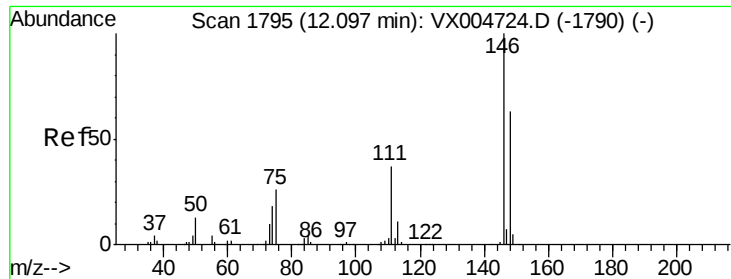


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#88

1,4-Dichlorobenzene

Concen: 0.907 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

Instrument :

MSVOA_X

ClientSampleId :

MW-150-SEP18

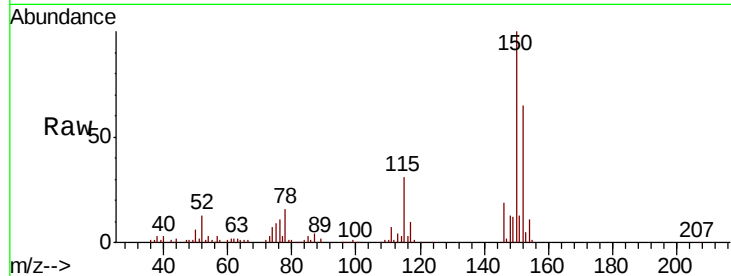
Tot Ion:146 Resp: 6792

Ion Ratio Lower Upper

146 100

111 76.3 18.1 54.1#

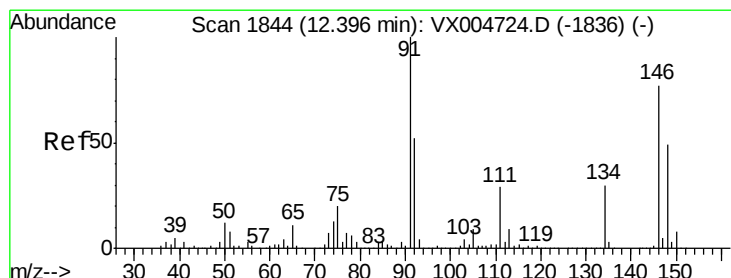
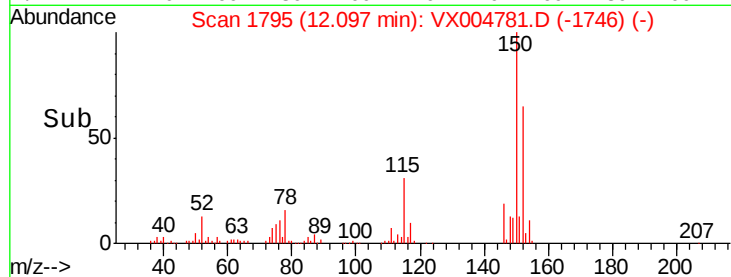
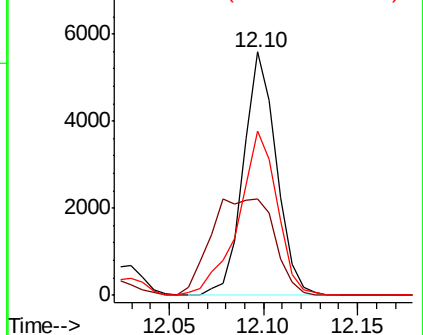
148 79.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 6.974 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004781.D

Acq: 27 Sep 2018 18:24

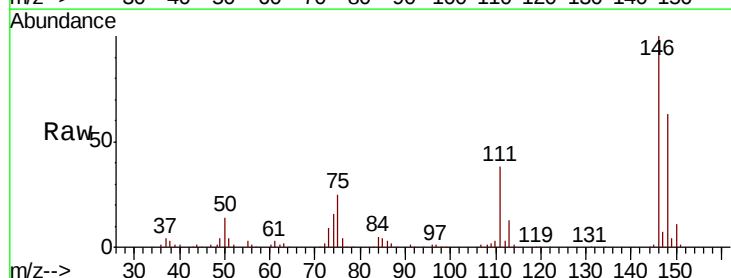
Tgt Ion:146 Resp: 52856

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

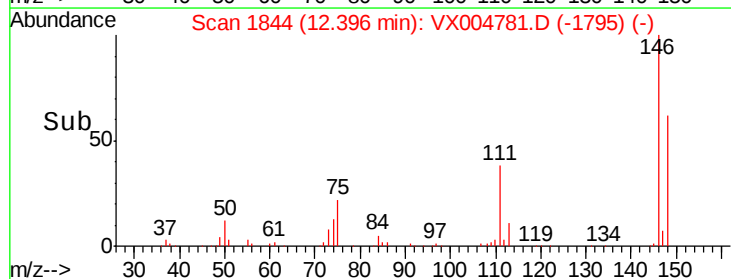
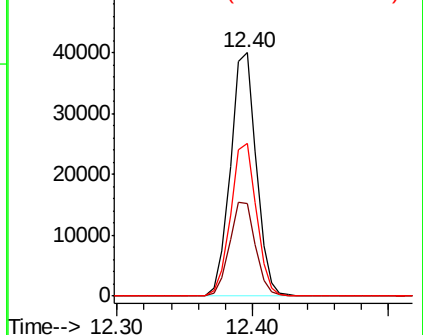
148 62.6 32.8 98.3

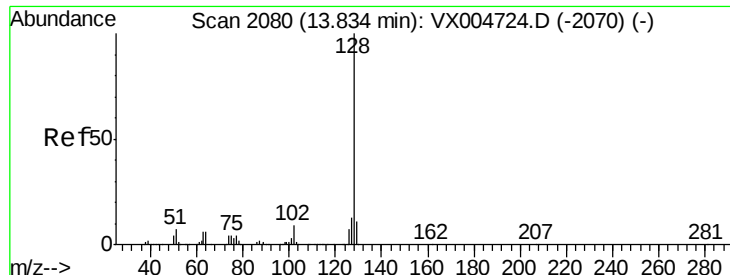


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

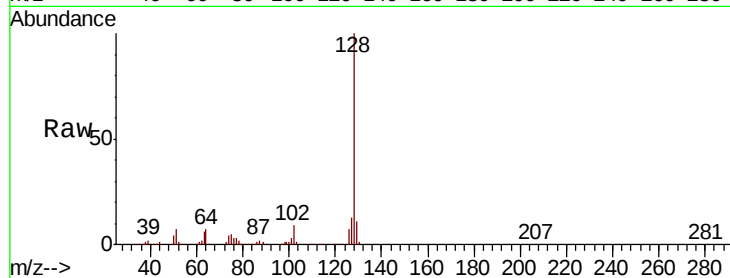




#95
Naphthalene
Concen: 4.170 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004781.D
Acq: 27 Sep 2018 18:24

Instrument :
MSVOA_X
ClientSampleId :
MW-150-SEP18

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

