

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012442.D
 Acq On : 17 Sep 2019 19:29
 Operator : JC/SP
 Sample : K4858-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20190909

Quant Time: Sep 18 04:05:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

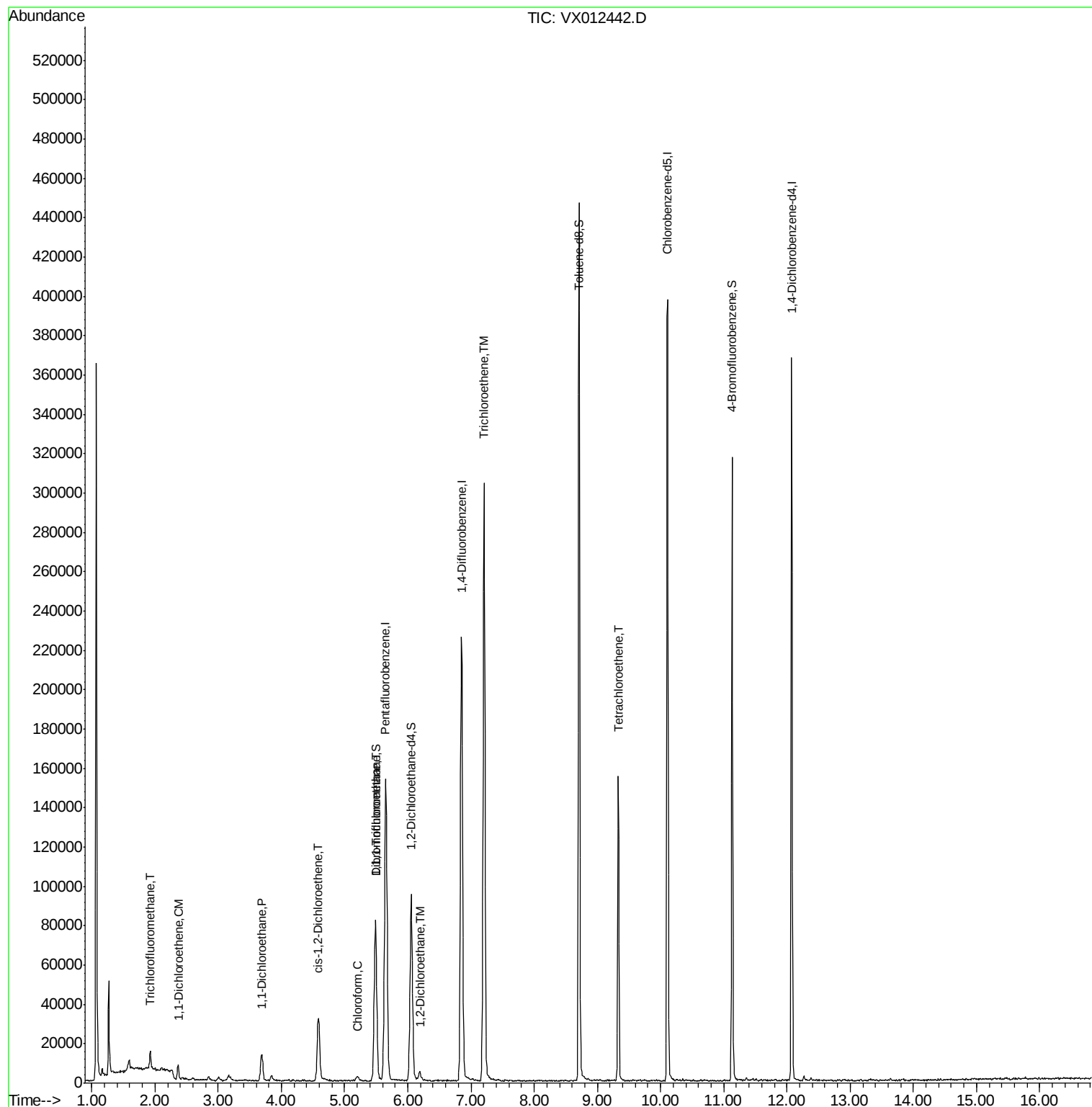
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	134709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	214853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	177287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	67778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	92747	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	5.49	113	66051	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.71	98	247081	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.14	95	87146	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.92	101	5571	3.797	ug/l	95
12) 1,1-Dichloroethene	2.36	96	2368	2.796	ug/l	82
24) 1,1-Dichloroethane	3.69	63	15519	7.026	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	19965	15.196	ug/l	88
30) Chloroform	5.21	83	2430	0.958	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	2291	1.081	ug/l #	44
42) 1,2-Dichloroethane	6.18	62	4129	2.144	ug/l	82
44) Trichloroethene	7.20	130	114528	104.853	ug/l	93
64) Tetrachloroethene	9.33	164	28062	34.542	ug/l	94

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

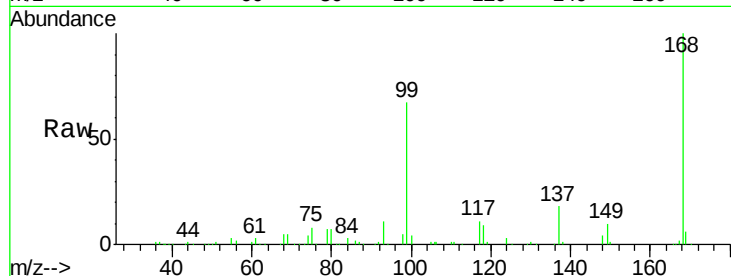
MW202D-20190909

Tot Ion:168 Resp: 134709

Ion Ratio Lower Upper

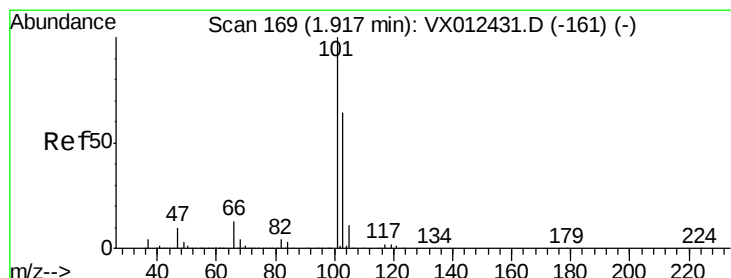
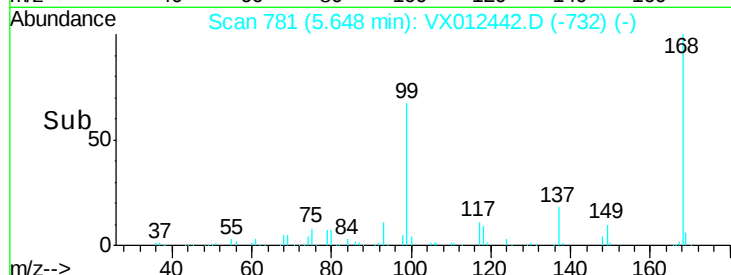
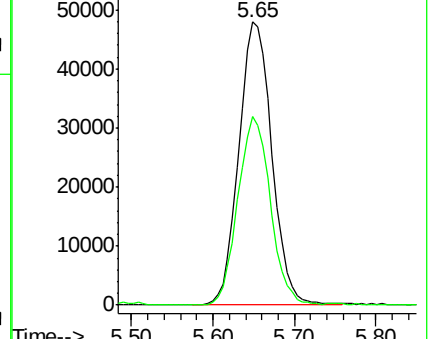
168 100

99 66.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#7

Trichlorofluoromethane

Concen: 3.797 ug/l

RT: 1.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX012442.D

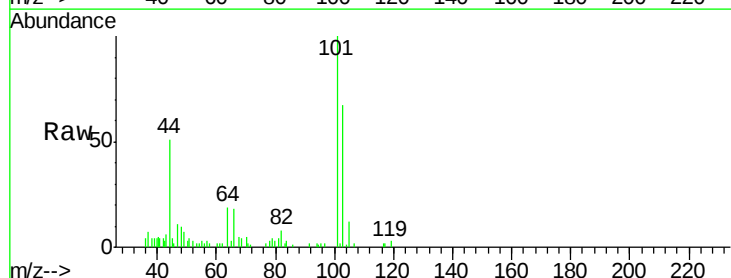
Acq: 17 Sep 2019 19:29

Tgt Ion:101 Resp: 5571

Ion Ratio Lower Upper

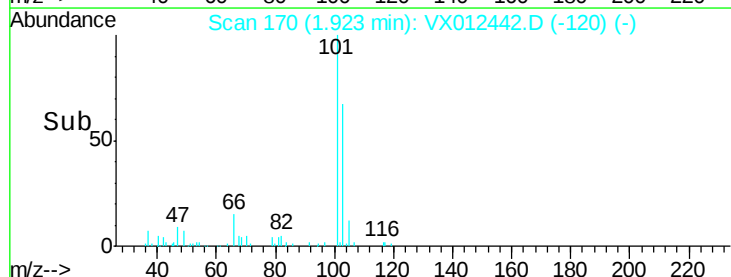
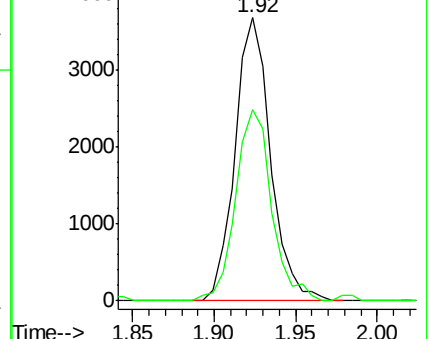
101 100

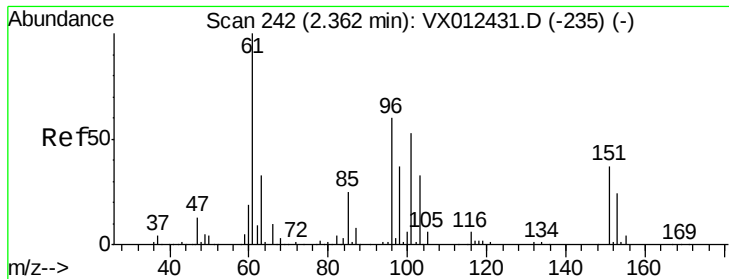
103 67.4 51.0 76.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#12

1,1-Dichloroethene

Concen: 2.796 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW202D-20190909

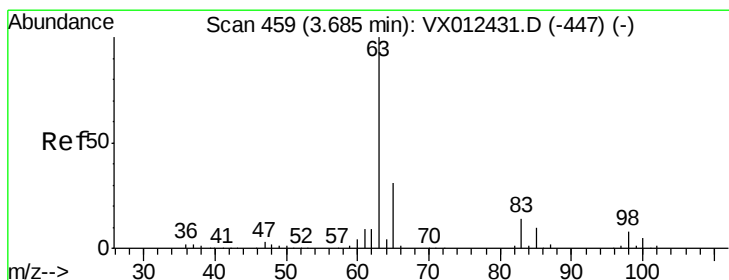
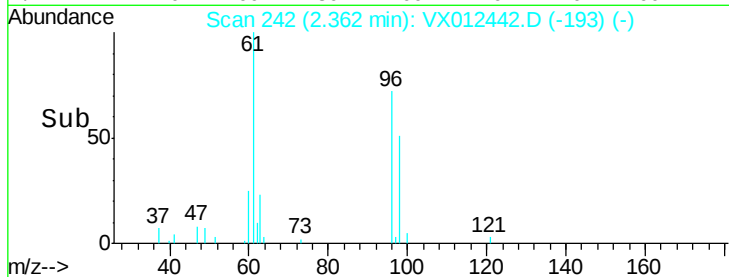
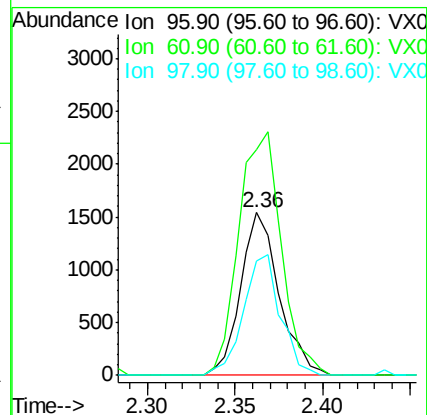
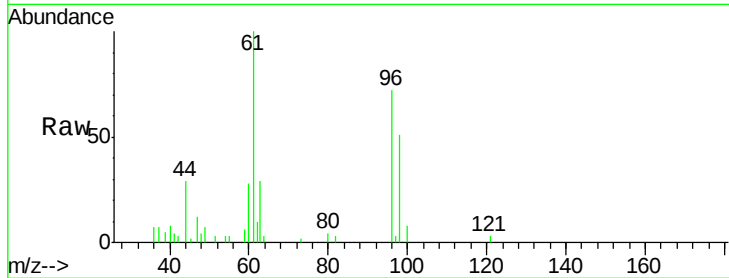
Tot Ion: 96 Resp: 2368

Ion Ratio Lower Upper

96 100

61 139.1 133.8 200.6

98 70.5 49.9 74.9



#24

1,1-Dichloroethane

Concen: 7.026 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

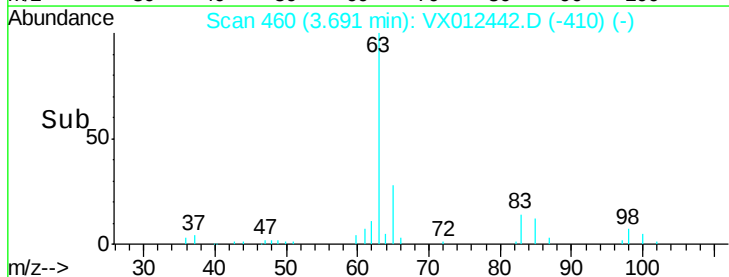
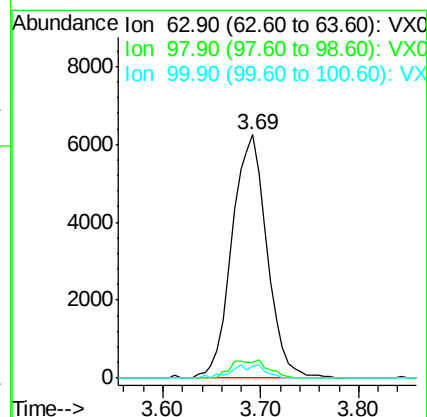
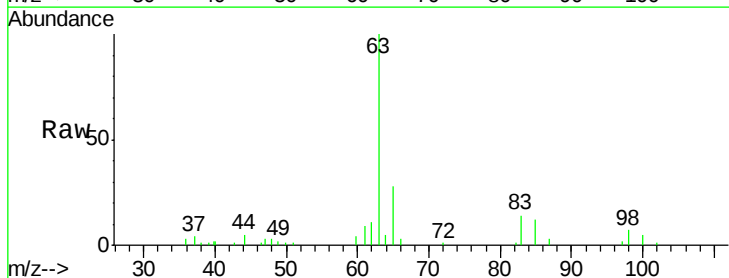
Tgt Ion: 63 Resp: 15519

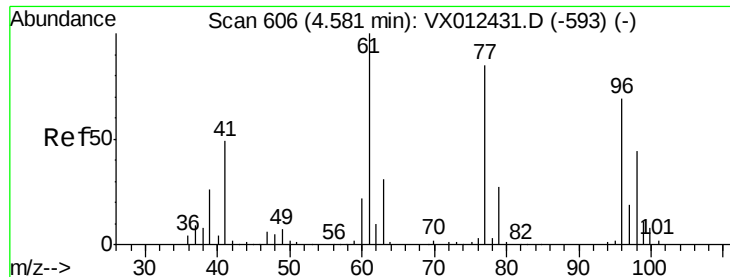
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 5.0 2.3 6.9



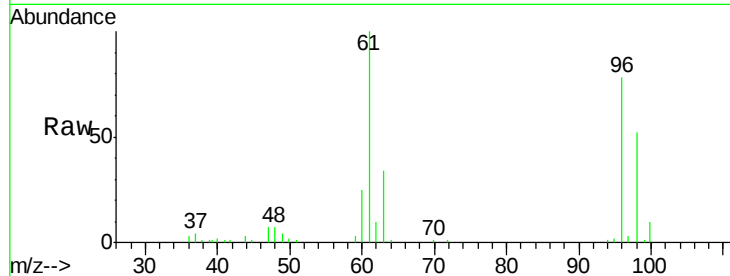


#27

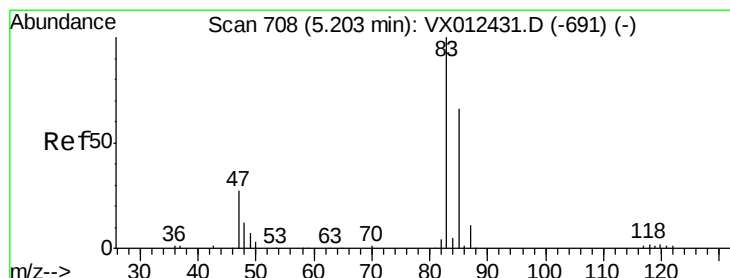
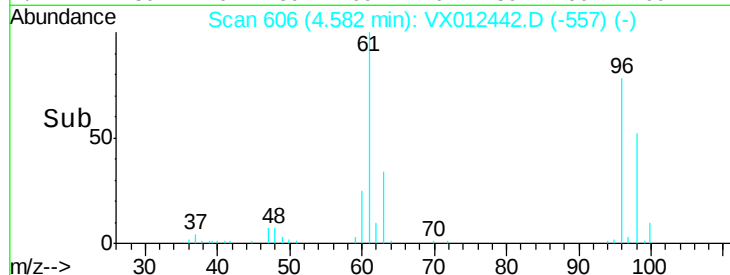
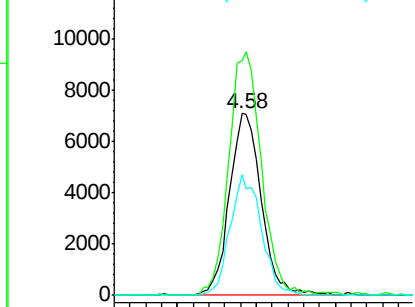
cis-1,2-Dichloroethene
Concen: 15.196 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012442.D
Acq: 17 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20190909

Tot Ion: 96 Resp: 19965
Ion Ratio Lower Upper
96 100
61 137.1 0.0 319.4
98 64.9 0.0 130.6



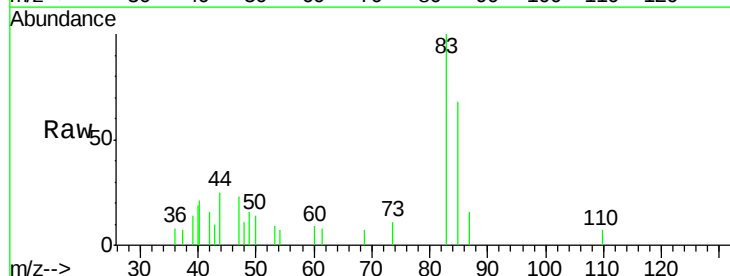
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



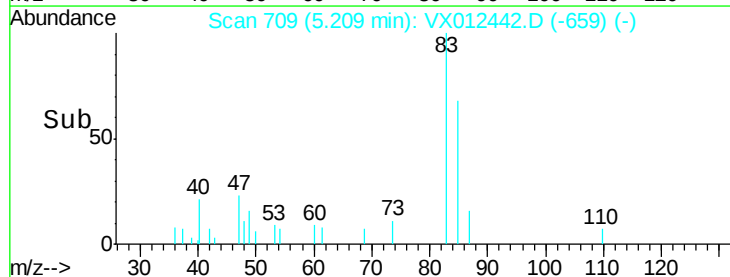
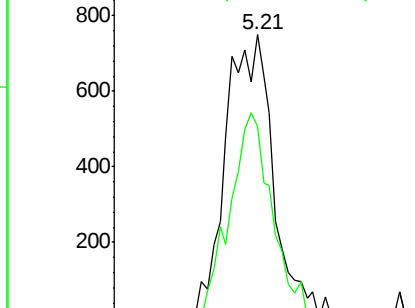
#30

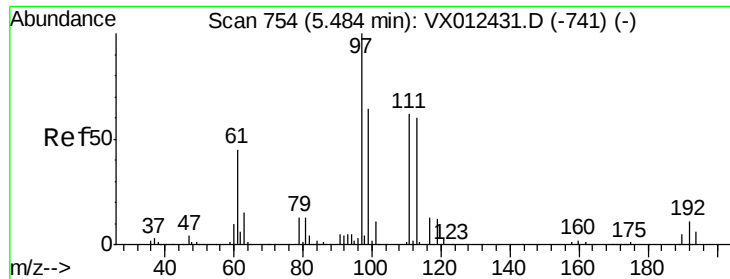
Chloroform
Concen: 0.958 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX012442.D
Acq: 17 Sep 2019 19:29

Tgt Ion: 83 Resp: 2430
Ion Ratio Lower Upper
83 100
85 67.7 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 1.081 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW202D-20190909

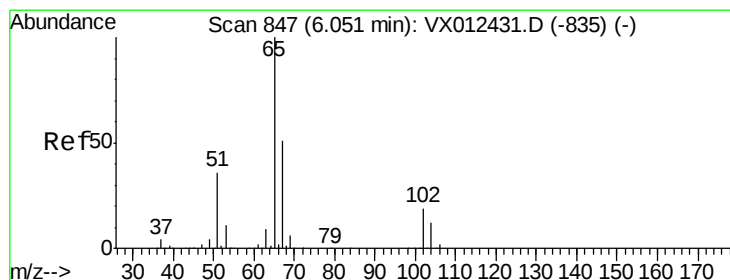
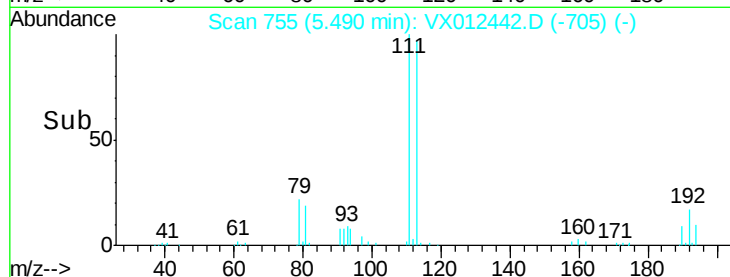
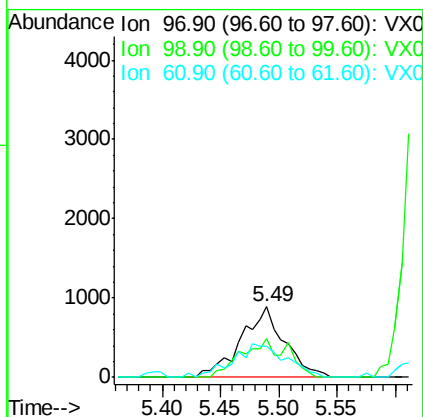
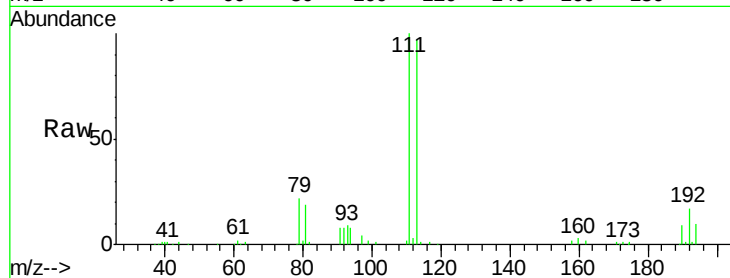
Tot Ion: 97 Resp: 2291

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

61 58.1 36.1 54.1#



#33

1,2-Dichloroethane-d4

Concen: 48.039 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012442.D

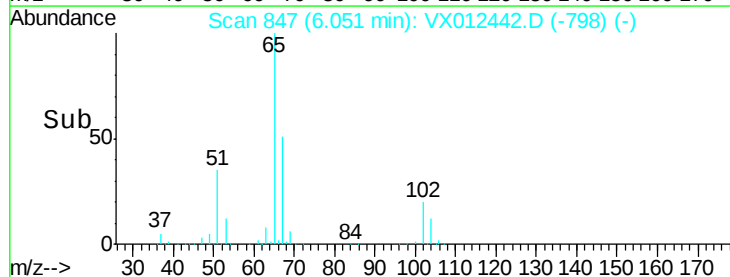
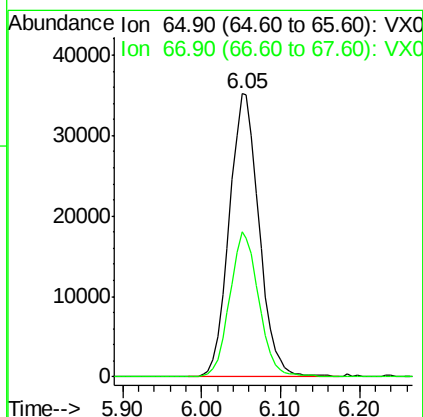
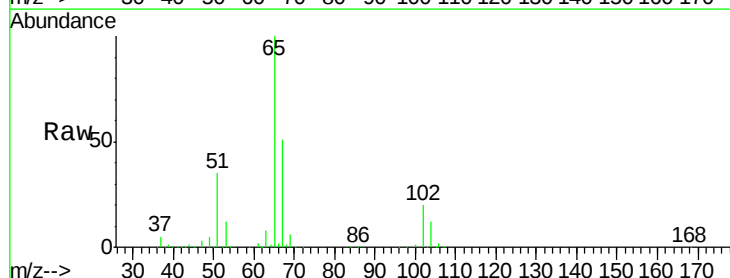
Acq: 17 Sep 2019 19:29

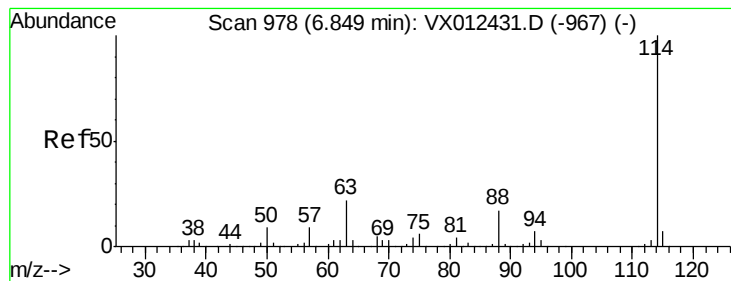
Tgt Ion: 65 Resp: 92747

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

MW202D-20190909

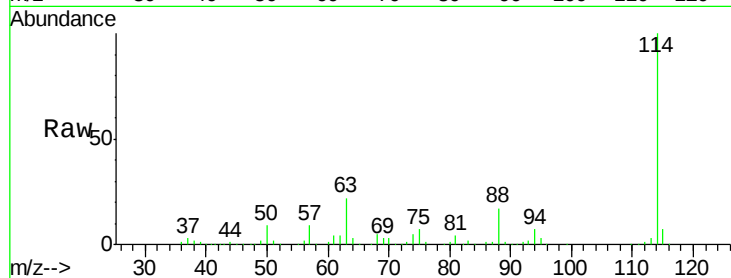
Tot Ion:114 Resp: 214853

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

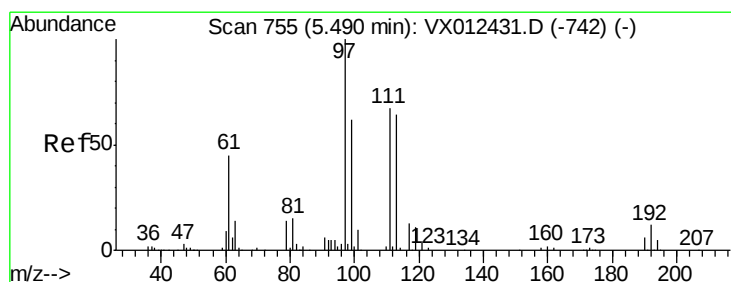
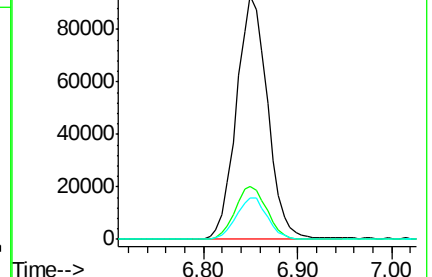
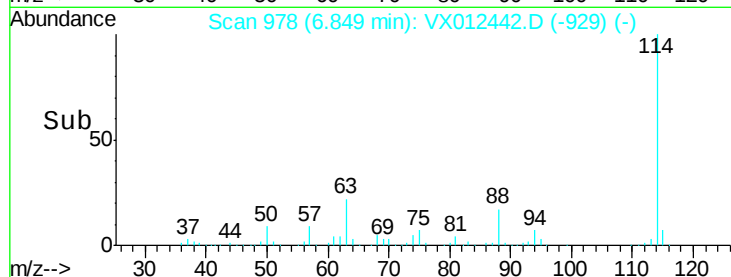
88 16.7 0.0 33.2



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: 50.792 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

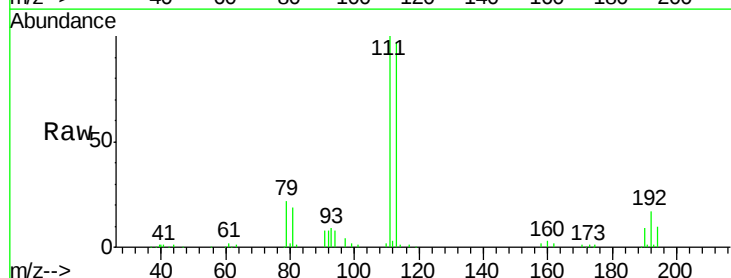
Tgt Ion:113 Resp: 66051

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

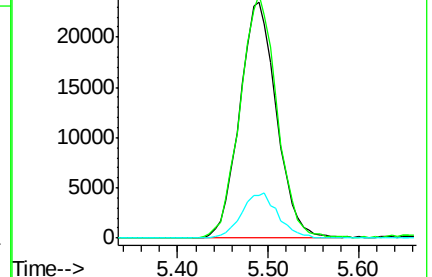
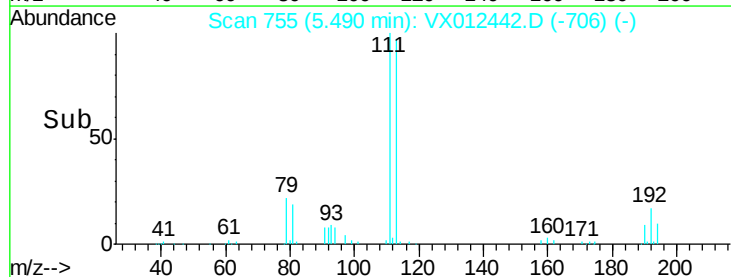
192 18.9 14.4 21.6

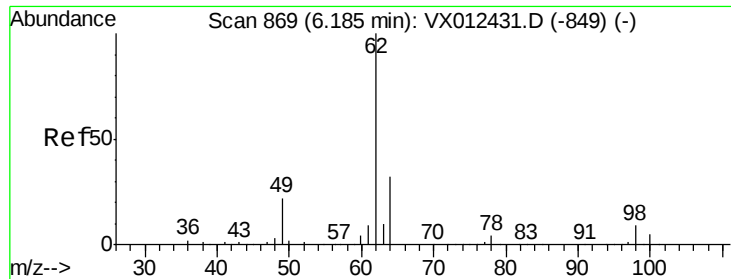


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#42

1,2-Dichloroethane

Concen: 2.144 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

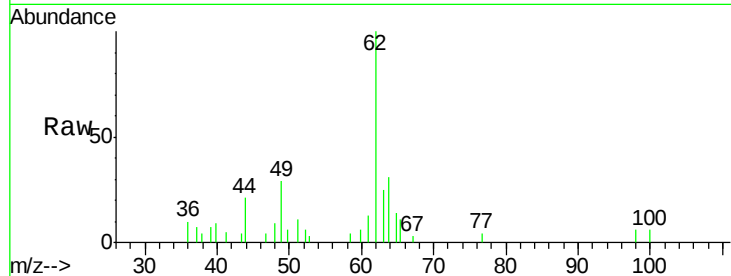
MW202D-20190909

Tot Ion: 62 Resp: 4129

Ion Ratio Lower Upper

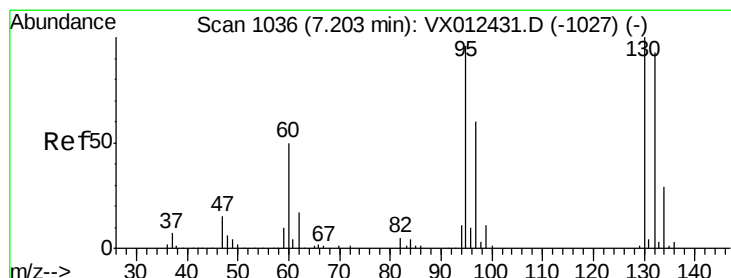
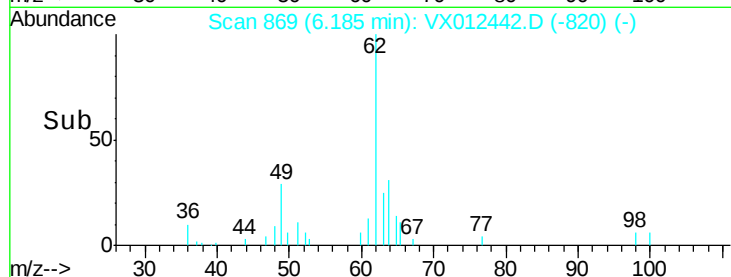
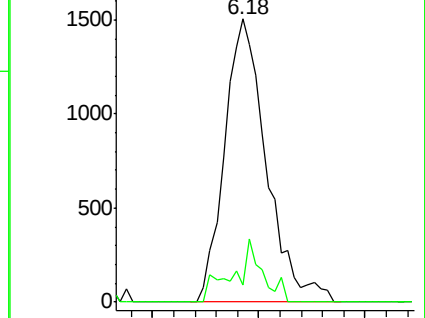
62 100

98 15.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 104.853 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012442.D

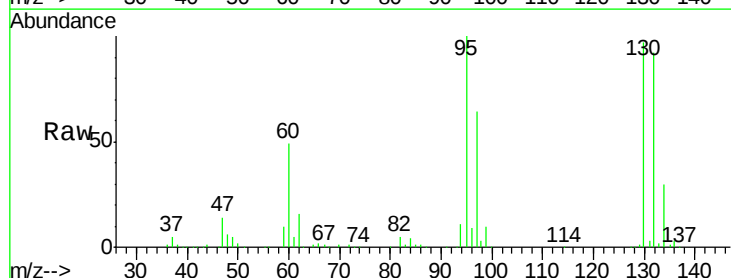
Acq: 17 Sep 2019 19:29

Tgt Ion:130 Resp: 114528

Ion Ratio Lower Upper

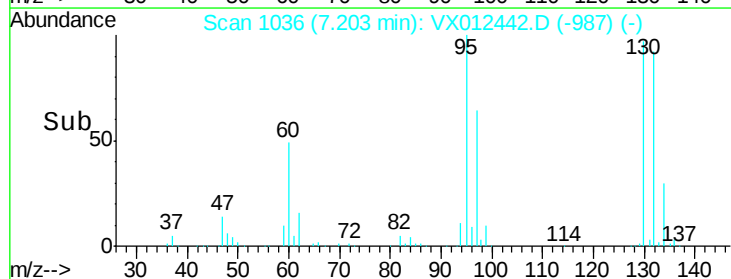
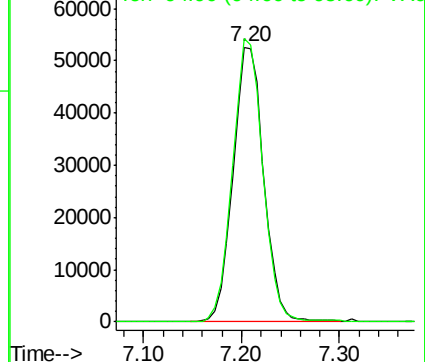
130 100

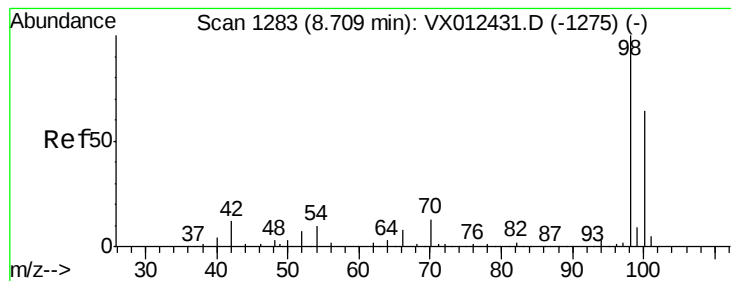
95 103.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.332 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

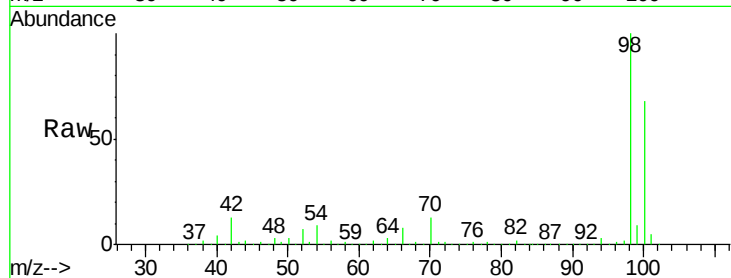
MW202D-20190909

Tot Ion: 98 Resp: 247081

Ion Ratio Lower Upper

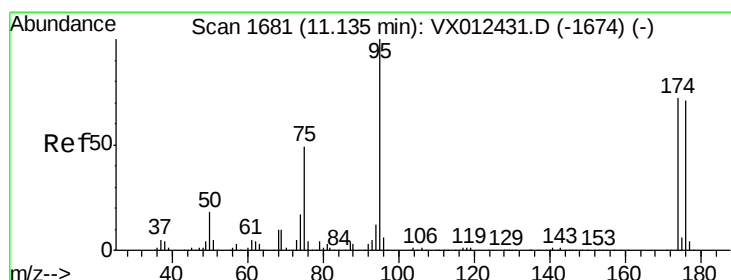
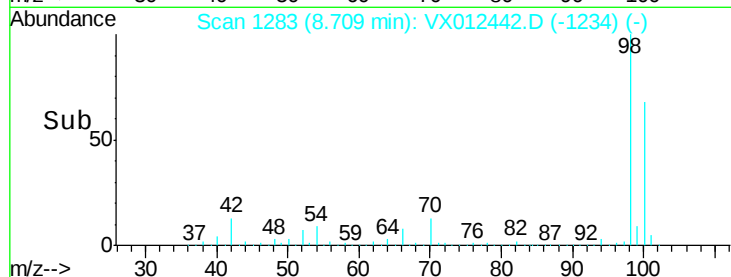
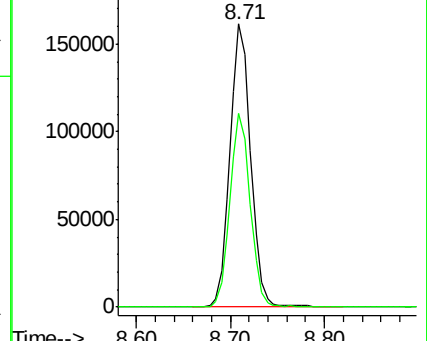
98 100

100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.604 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012442.D

Acq: 17 Sep 2019 19:29

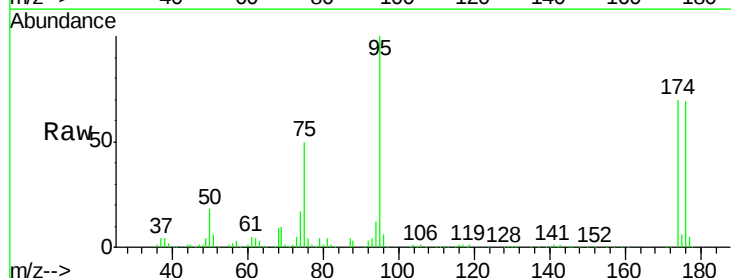
Tgt Ion: 95 Resp: 87146

Ion Ratio Lower Upper

95 100

174 68.0 0.0 140.0

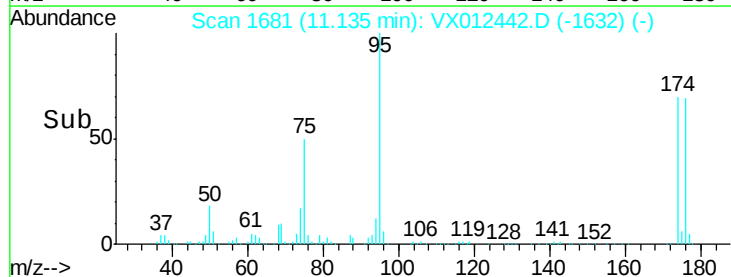
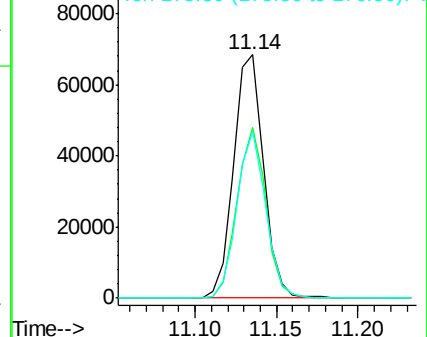
176 66.3 0.0 135.4

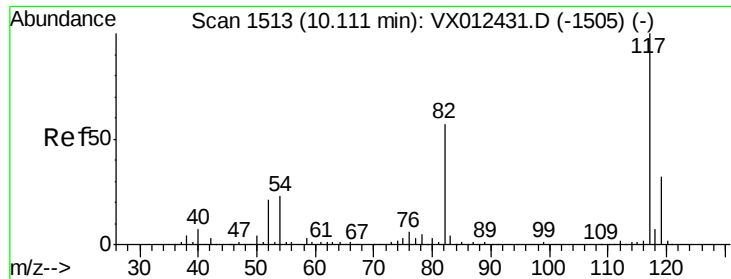


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

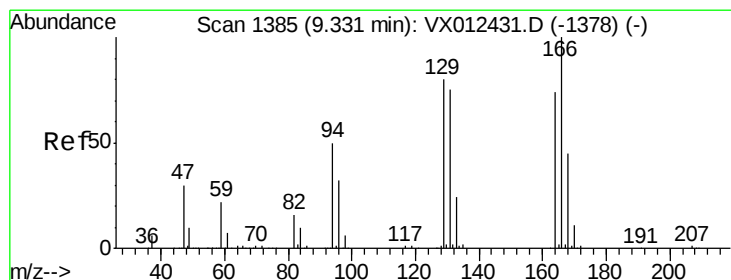
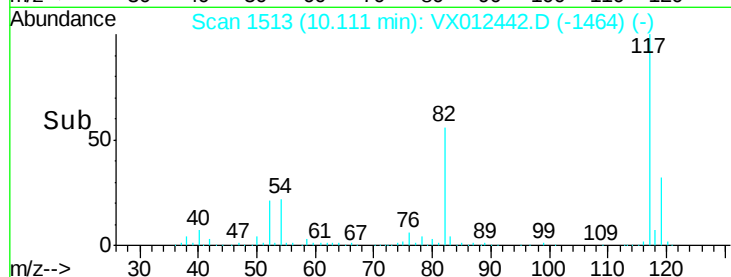
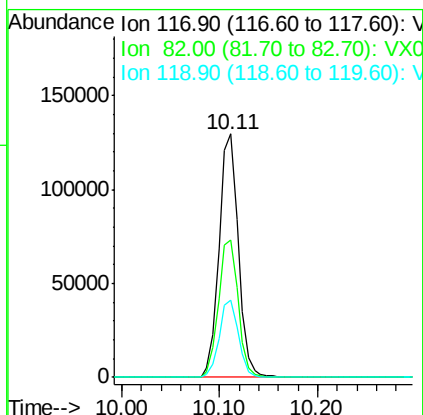
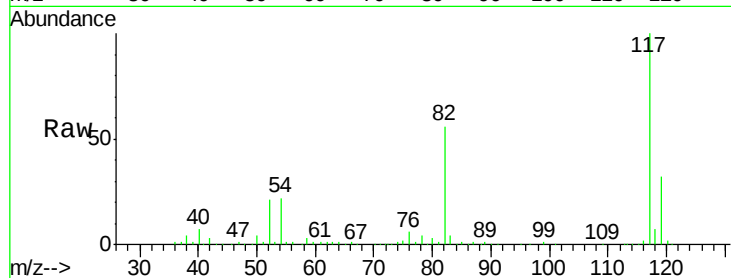




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012442.D
Acq: 17 Sep 2019 19:29

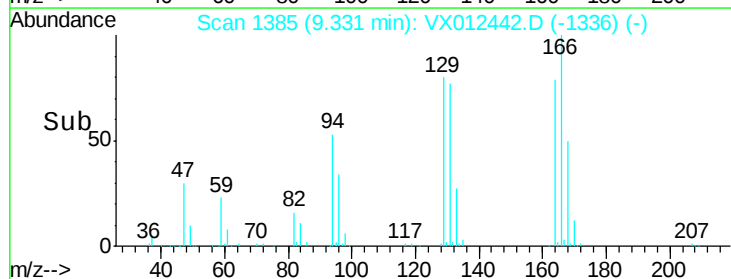
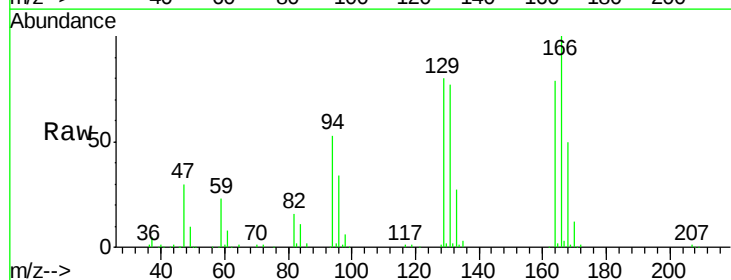
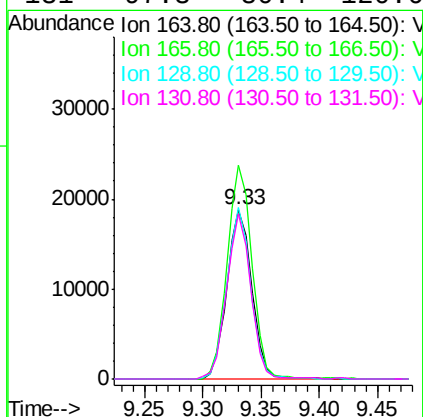
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20190909

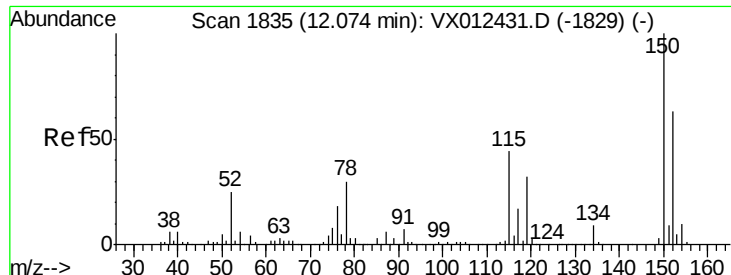
Tot Ion:117 Resp: 177287
Ion Ratio Lower Upper
117 100
82 56.3 45.9 68.9
119 31.9 25.3 37.9



#64
Tetrachloroethene
Concen: 34.542 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012442.D
Acq: 17 Sep 2019 19:29

Tgt Ion:164 Resp: 28062
Ion Ratio Lower Upper
164 100
166 126.1 107.8 161.6
129 101.3 86.2 129.2
131 97.3 80.4 120.6

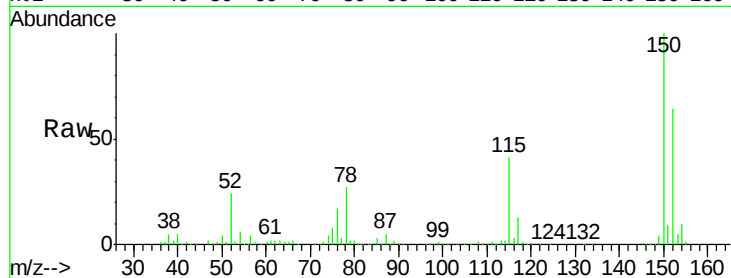




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012442.D
 Acq: 17 Sep 2019 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20190909

Tot Ion:152 Resp: 67778
 Ion Ratio Lower Upper
 152 100
 115 65.2 44.1 132.3
 150 157.7 0.0 343.8



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

