

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013113.D
 Acq On : 17 Oct 2019 17:31
 Operator : JC/SP
 Sample : K5414-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-310-SRI4

Quant Time: Oct 18 09:07:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	87425	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	104314	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.54%		
35) Dibromofluoromethane	5.49	113	82108	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.82%		
50) Toluene-d8	8.71	98	315343	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.22%		
62) 4-Bromofluorobenzene	11.14	95	103996	43.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.76%		

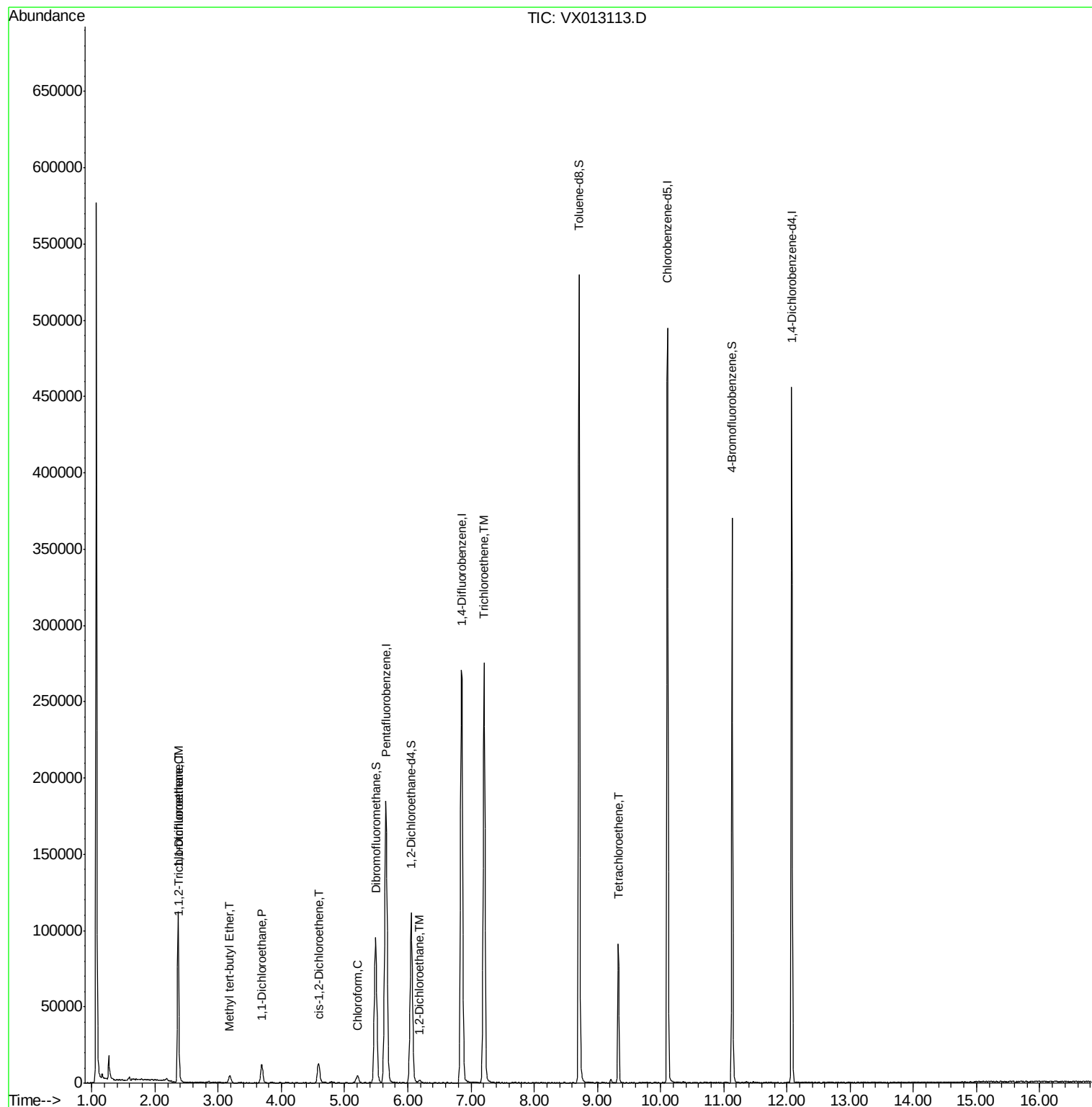
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1037	0.600	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	38777	22.192	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	5433	0.900	ug/l #	73
24) 1,1-Dichloroethane	3.69	63	13671	4.075	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	8363	3.874	ug/l	90
30) Chloroform	5.20	83	5846	1.698	ug/l	91
42) 1,2-Dichloroethane	6.18	62	2017	0.785	ug/l	76
44) Trichloroethene	7.21	130	108959	54.903	ug/l	96
64) Tetrachloroethene	9.33	164	17264	10.871	ug/l	96

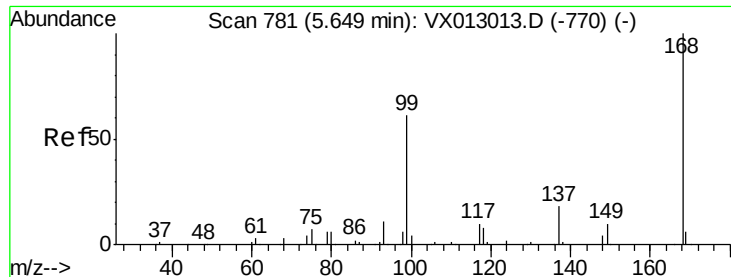
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

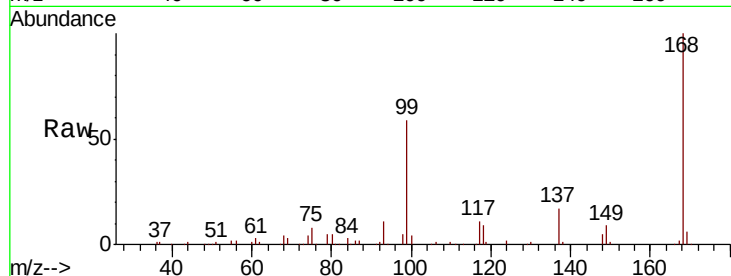
MW-310-SRI4

Tot Ion:168 Resp: 172908

Ion Ratio Lower Upper

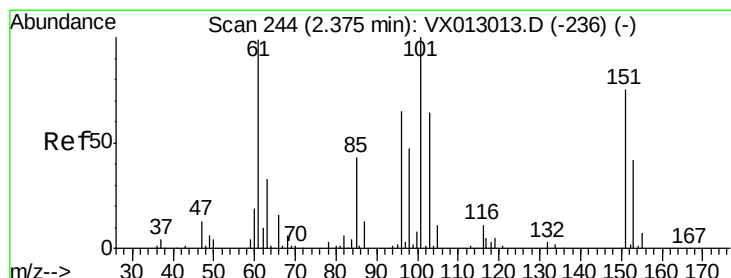
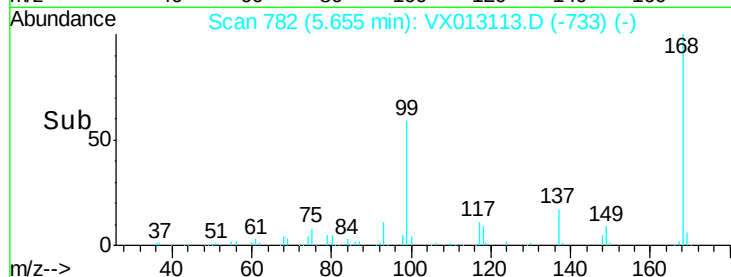
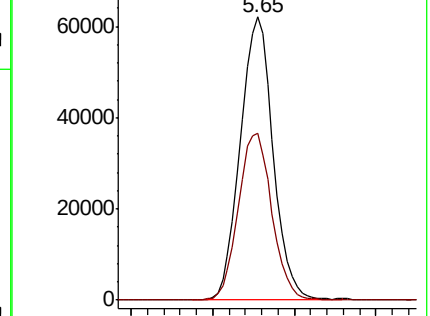
168 100

99 59.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.600 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

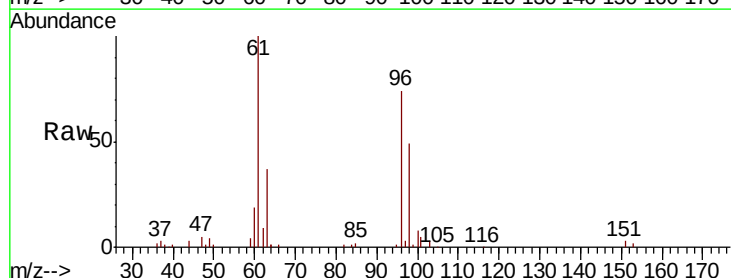
Tgt Ion:101 Resp: 1037

Ion Ratio Lower Upper

101 100

85 61.2 35.2 52.8#

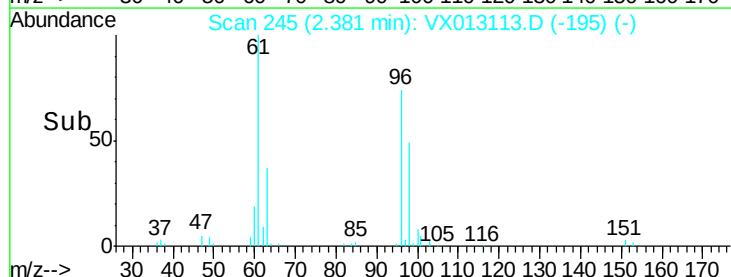
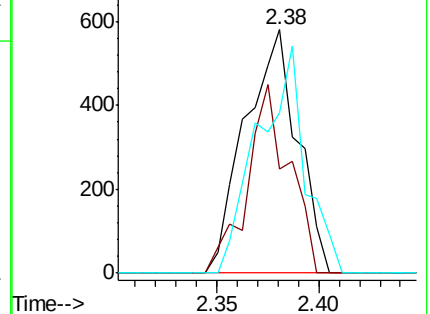
151 83.5 60.3 90.5

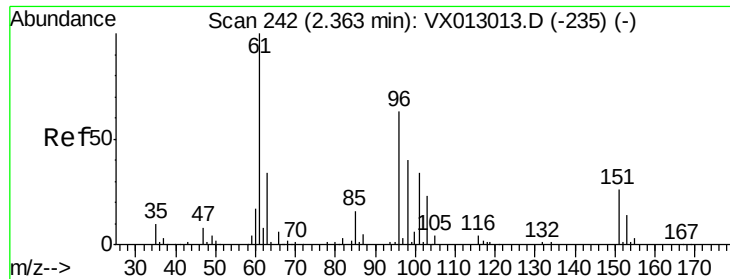


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 22.192 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampled :

MW-310-SRI4

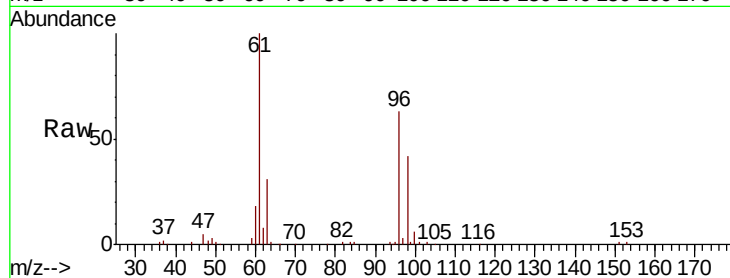
Tot Ion: 96 Resp: 38777

Ion Ratio Lower Upper

96 100

61 157.9 132.2 198.4

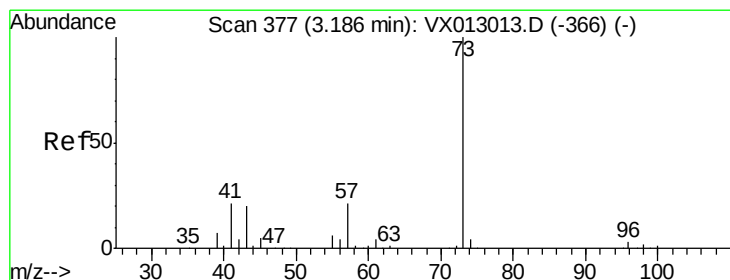
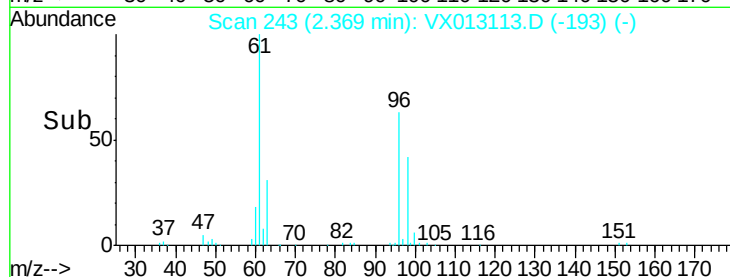
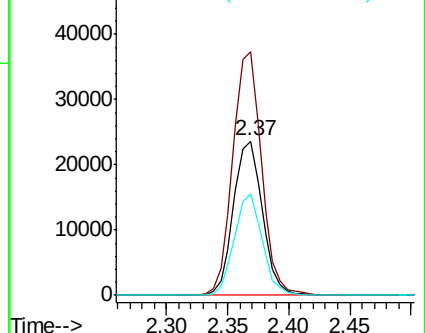
98 65.7 50.5 75.7



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



#19

Methyl tert-butyl Ether

Concen: 0.900 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.00 min

Lab File: VX013113.D

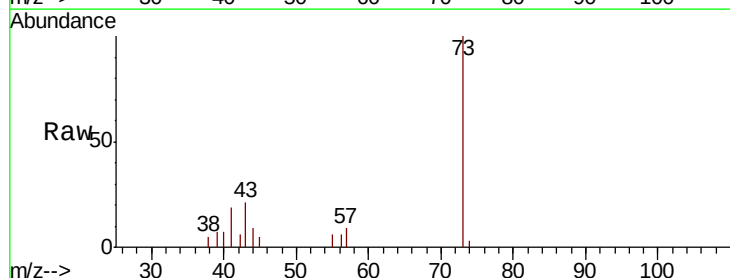
Acq: 17 Oct 2019 17:31

Tgt Ion: 73 Resp: 5433

Ion Ratio Lower Upper

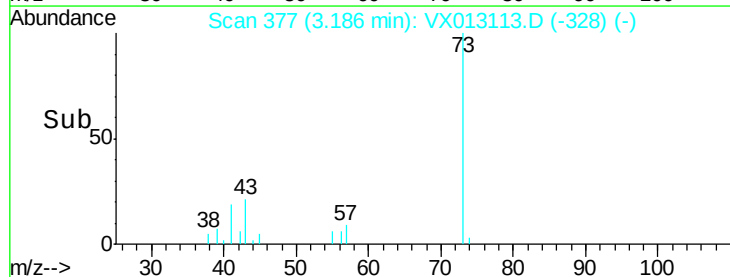
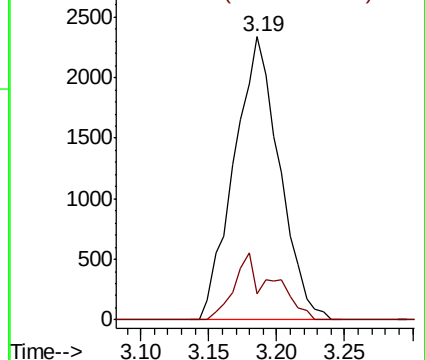
73 100

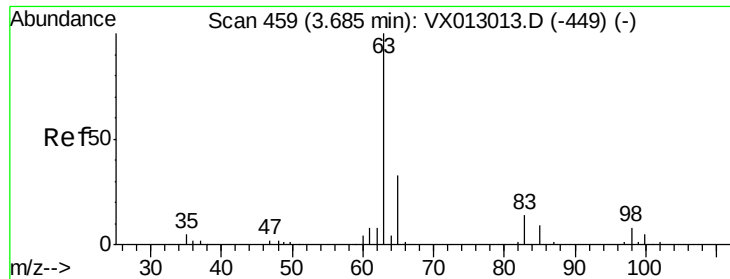
57 9.2 17.8 26.6#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#24

1,1-Dichloroethane

Concen: 4.075 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

MW-310-SRI4

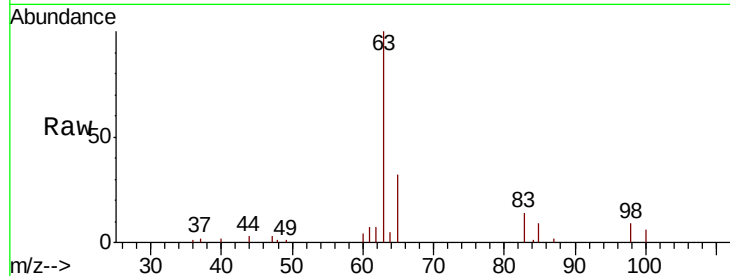
Tot Ion: 63 Resp: 13671

Ion Ratio Lower Upper

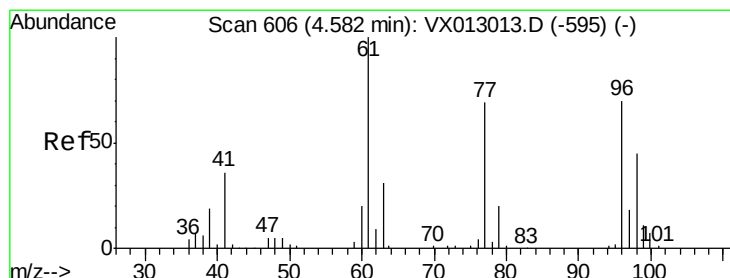
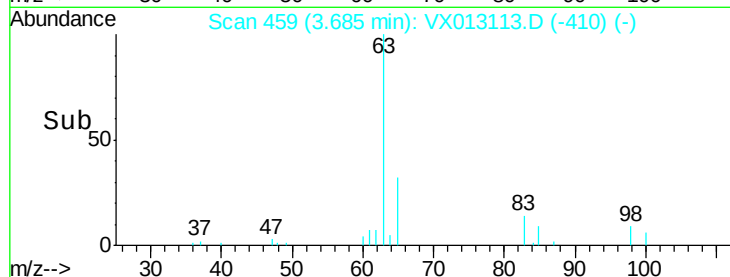
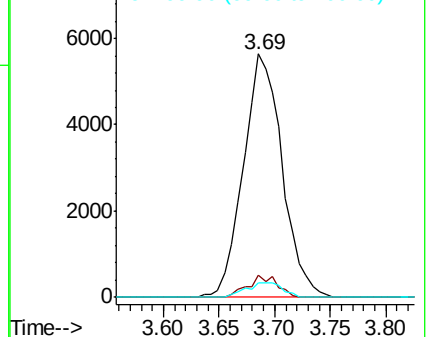
63 100

98 8.9 3.9 11.5

100 6.0 2.3 6.9



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: 3.874 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

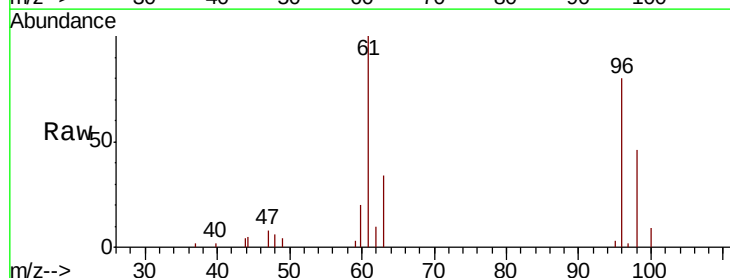
Tgt Ion: 96 Resp: 8363

Ion Ratio Lower Upper

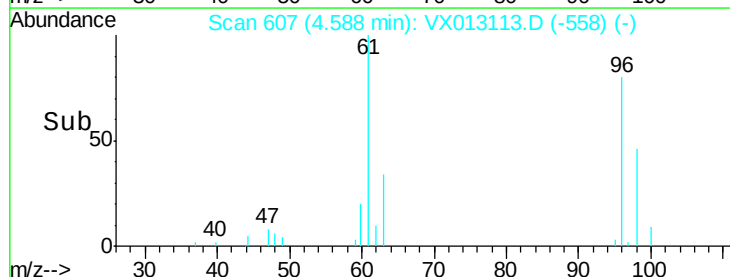
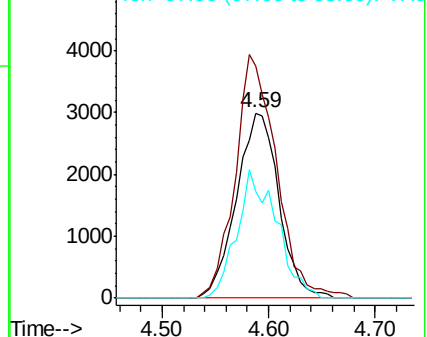
96 100

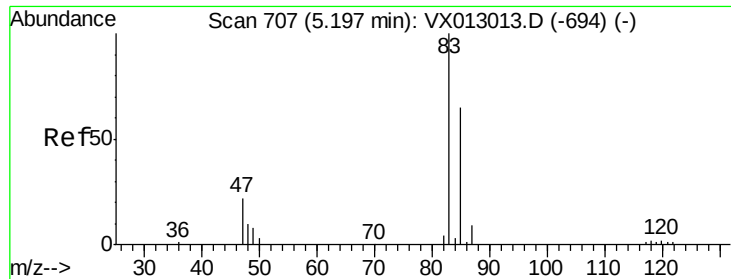
61 127.7 0.0 290.6

98 65.1 0.0 128.8



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

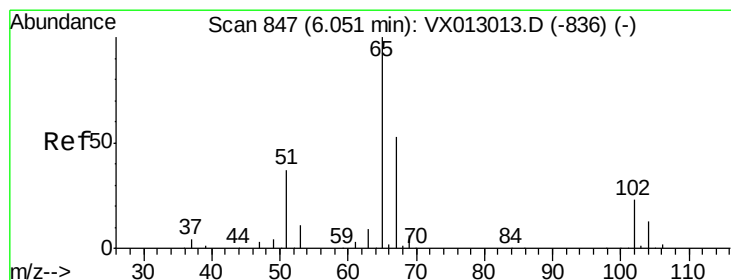
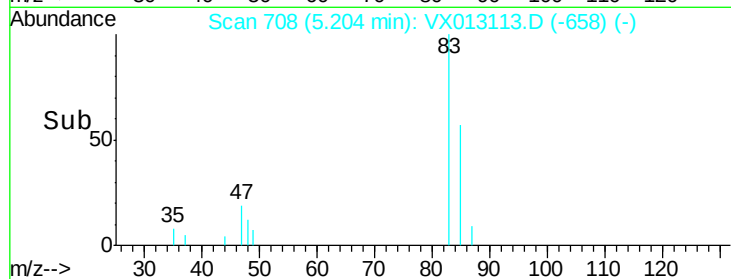
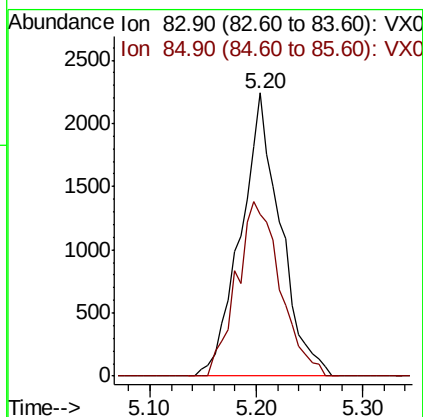
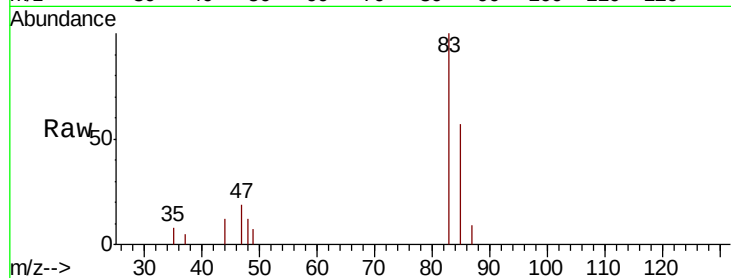




#30
Chloroform
Concen: 1.698 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

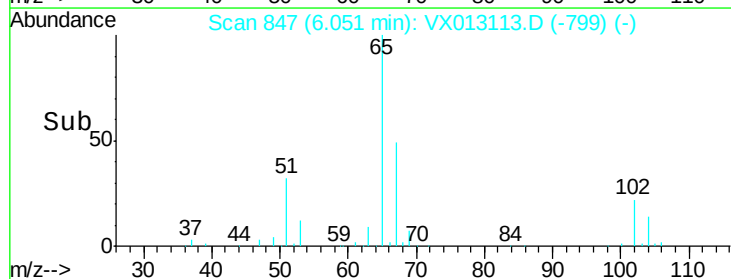
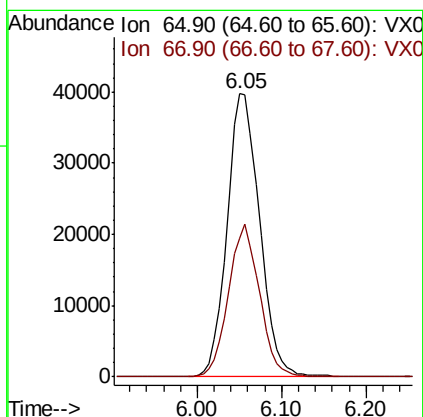
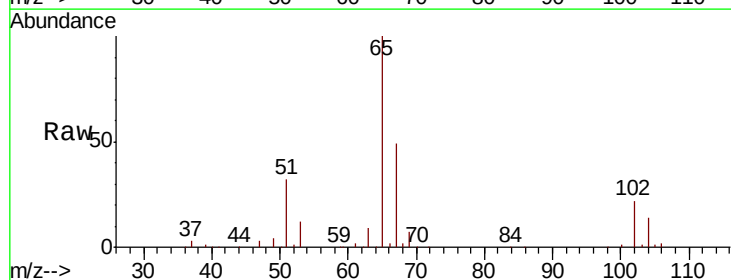
Instrument :
MSVOA_X
ClientSampleId :
MW-310-SRI4

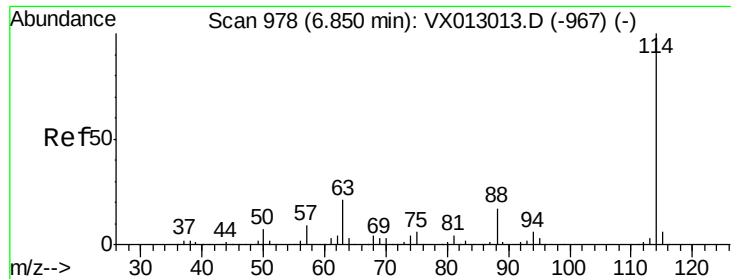
Tot Ion: 83 Resp: 5846
Ion Ratio Lower Upper
83 100
85 57.4 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 48.268 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

Tgt Ion: 65 Resp: 104314
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4

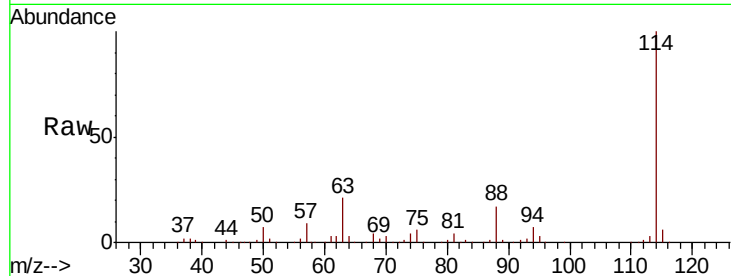




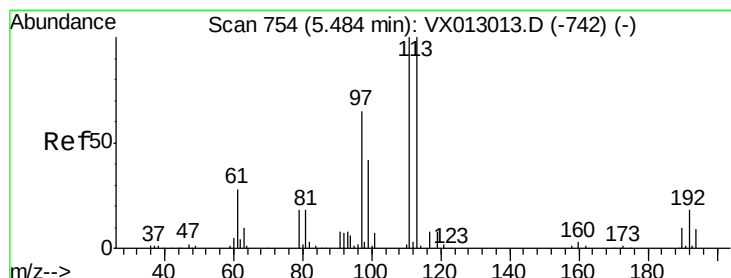
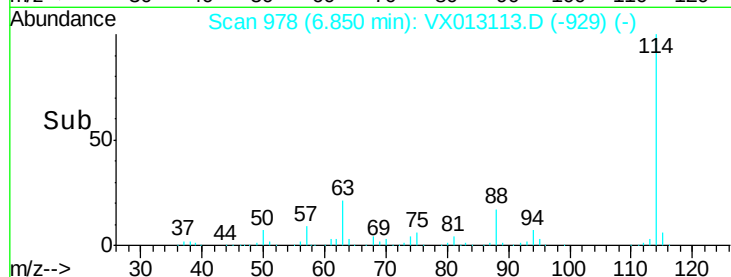
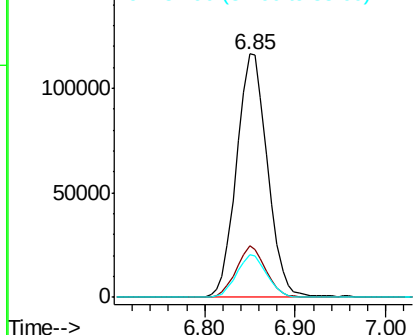
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
MW-310-SRI4

Tot Ion:114 Resp: 275605
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 17.3 0.0 33.8

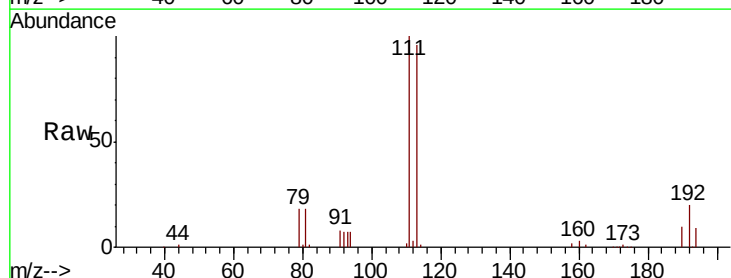


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

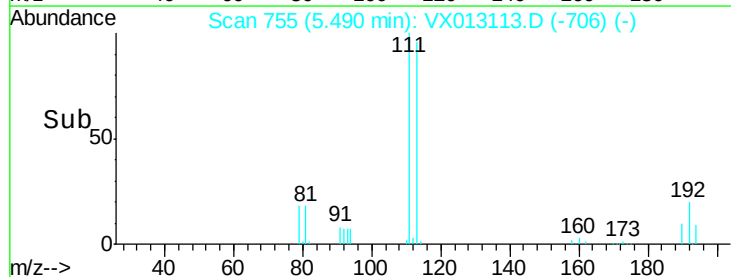
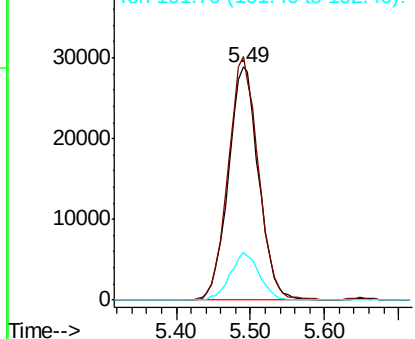


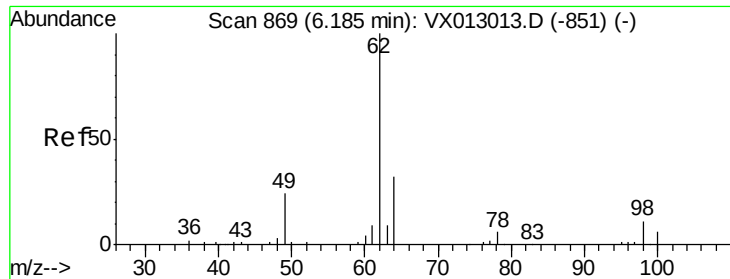
#35
Dibromofluoromethane
Concen: 51.907 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

Tgt Ion:113 Resp: 82108
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 19.7 15.4 23.2



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

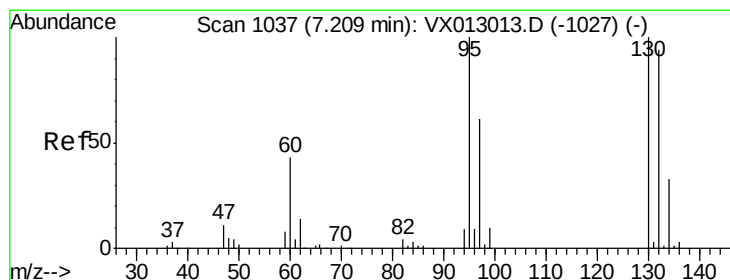
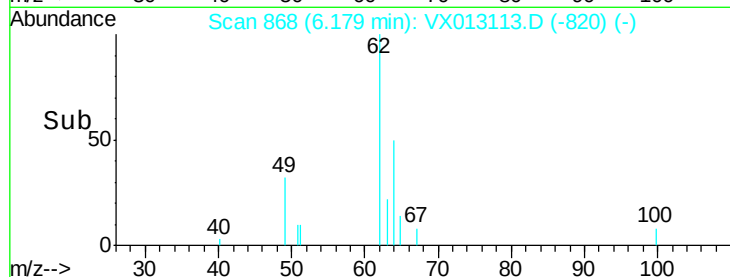
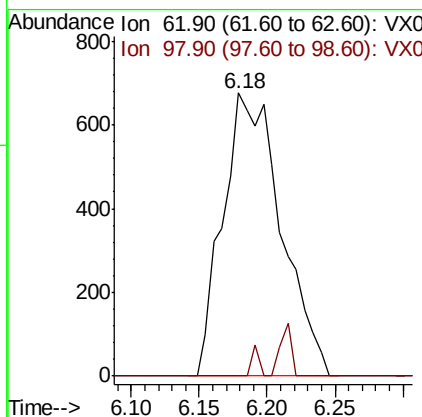
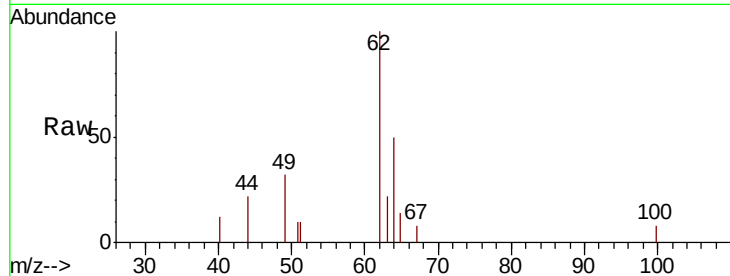




#42
 1,2-Dichloroethane
 Concen: 0.785 ug/l
 RT: 6.18 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: VX013113.D
 Acq: 17 Oct 2019 17:31

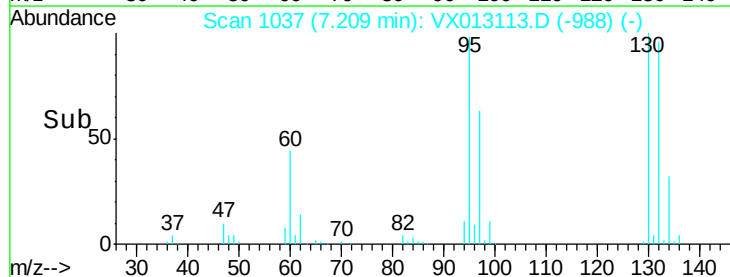
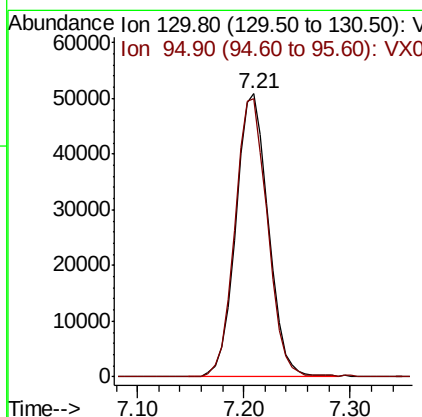
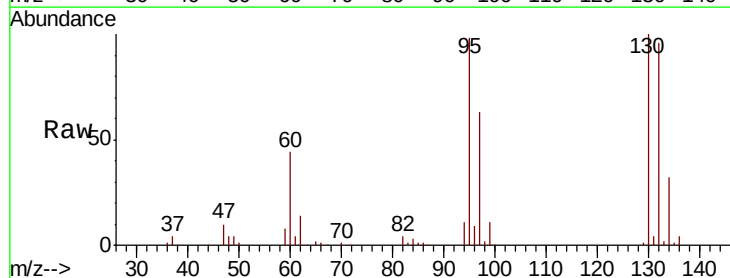
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-310-SRI4

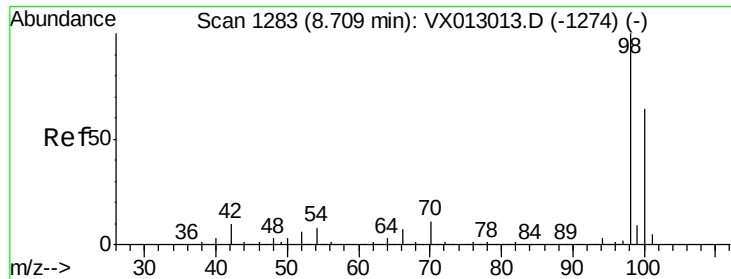
Tot Ion: 62 Resp: 2017
 Ion Ratio Lower Upper
 62 100
 98 1.4 0.0 20.4



#44
 Trichloroethene
 Concen: 54.903 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013113.D
 Acq: 17 Oct 2019 17:31

Tgt Ion:130 Resp: 108959
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 189.2





#50

Toluene-d8

Concen: 51.113 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

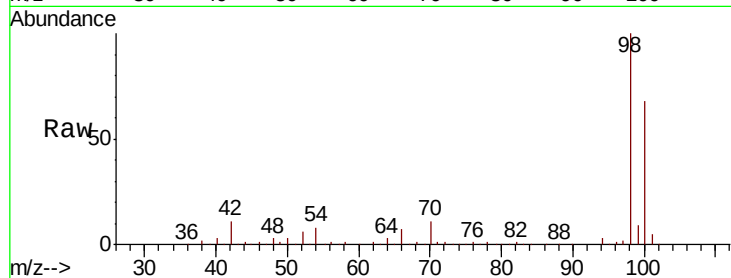
MW-310-SRI4

Tot Ion: 98 Resp: 315343

Ion Ratio Lower Upper

98 100

100 68.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

200000

150000

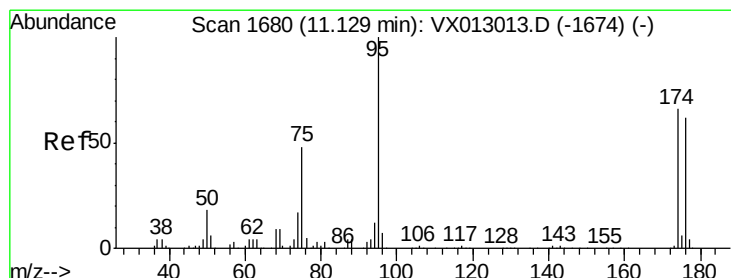
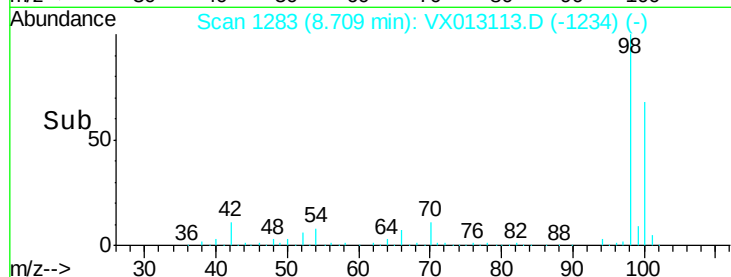
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 43.382 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013113.D

Acq: 17 Oct 2019 17:31

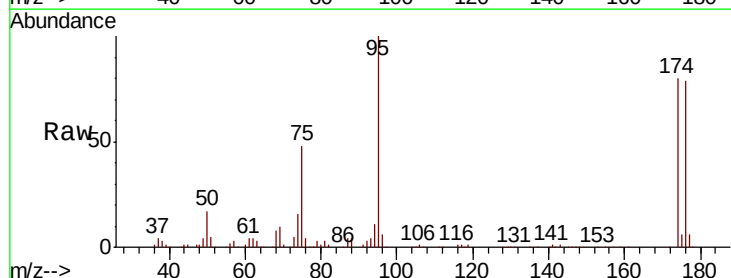
Tgt Ion: 95 Resp: 103996

Ion Ratio Lower Upper

95 100

174 74.2 0.0 143.4

176 71.3 0.0 136.0



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

100000

80000

60000

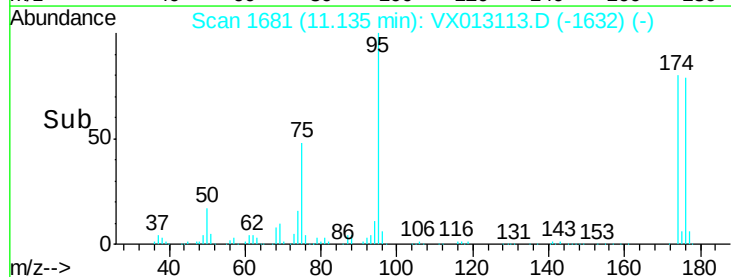
40000

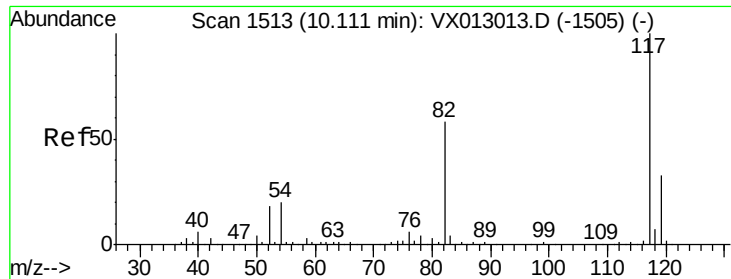
20000

0

Time-->

11.10 11.20

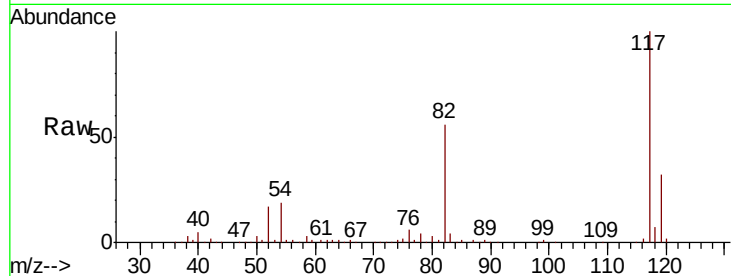




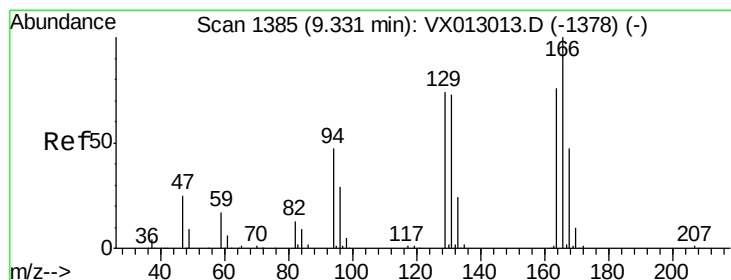
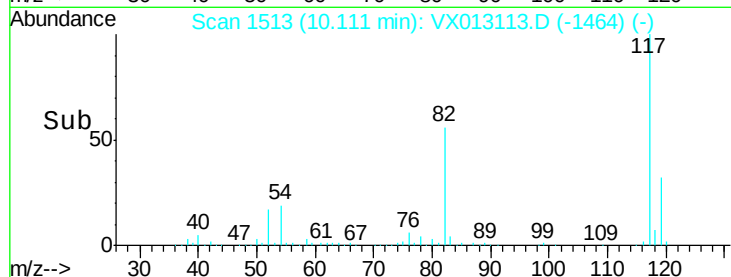
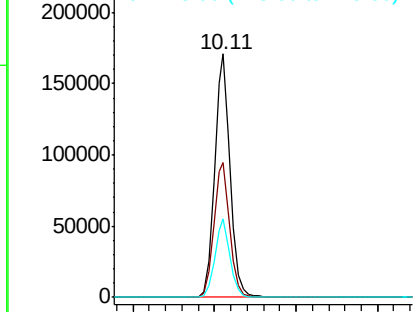
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
MW-310-SRI4

Tot Ion:117 Resp: 228968
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 32.0 25.8 38.8

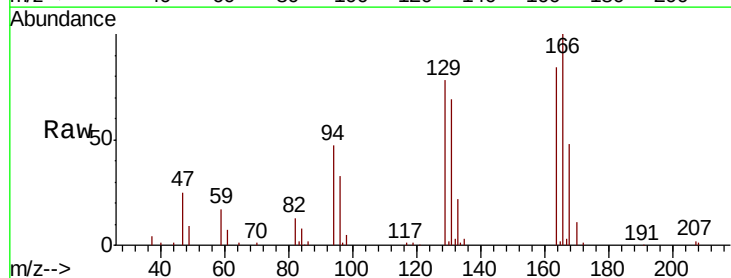


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

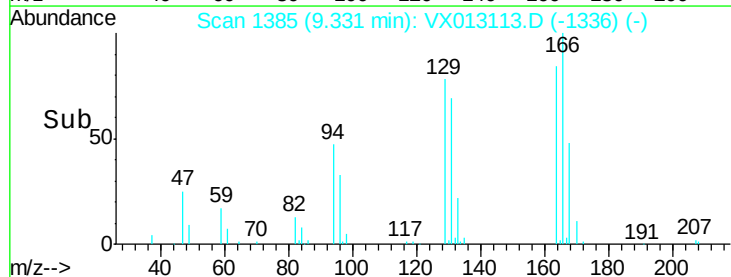
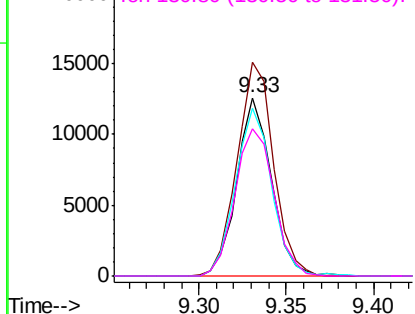


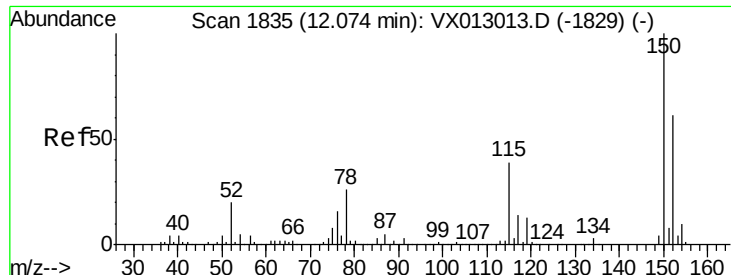
#64
Tetrachloroethene
Concen: 10.871 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013113.D
Acq: 17 Oct 2019 17:31

Tgt Ion:164 Resp: 17264
Ion Ratio Lower Upper
164 100
166 119.7 96.9 145.3
129 93.7 77.9 116.9
131 82.6 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX013113.D
 Acq: 17 Oct 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-310-SRI4

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	44.5	133.5
150	160.1	0.0	353.4

