

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013362.D
 Acq On : 08 Nov 2019 17:01
 Operator : JC/SP
 Sample : K5769-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-304-SRI4

Quant Time: Nov 11 03:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	792086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1241376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1097693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	514576	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	444970	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	5.48	113	362400	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
50) Toluene-d8	8.71	98	1461711	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	495358	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

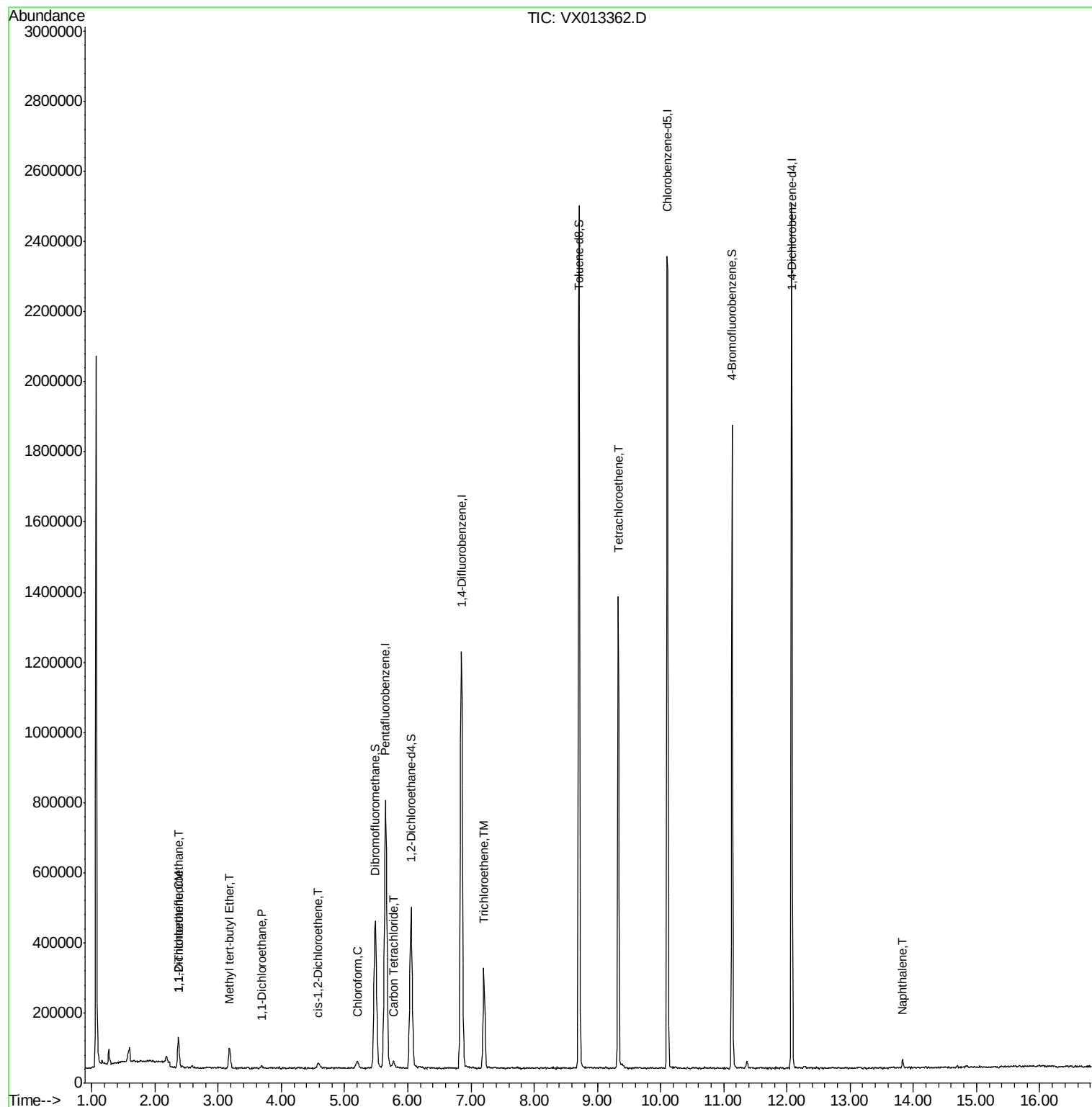
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22467	3.028	ug/l	96
12) 1,1-Dichloroethene	2.36	96	15926	2.192	ug/l	94
19) Methyl tert-butyl Ether	3.18	73	64418	2.658	ug/l	96
24) 1,1-Dichloroethane	3.69	63	7613	0.534	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	10487	1.183	ug/l	94
30) Chloroform	5.20	83	25331	1.799	ug/l #	84
38) Carbon Tetrachloride	5.78	117	18229	1.750	ug/l #	93
44) Trichloroethene	7.20	130	117224	12.838	ug/l	95
64) Tetrachloroethene	9.33	164	266265	33.884	ug/l	95
95) Naphthalene	13.83	128	19252	0.543	ug/l #	94

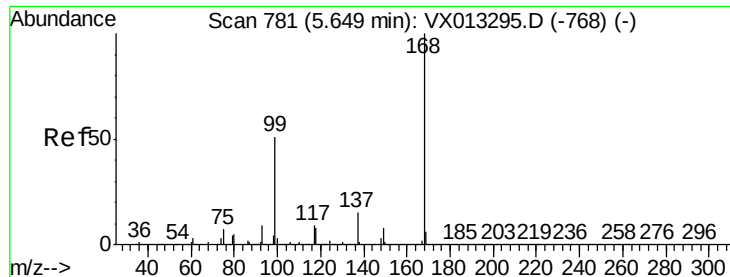
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110819\
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Instrument :
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Quant Time: Nov 11 03:54:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
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: VX013362.D

Acq: 08 Nov 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

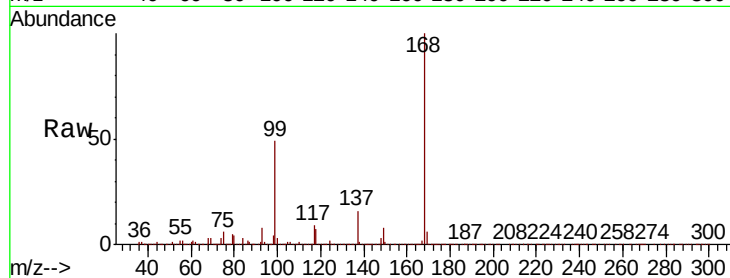
MW-304-SRI4

Tot Ion:168 Resp: 792086

Ion Ratio Lower Upper

168 100

99 48.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

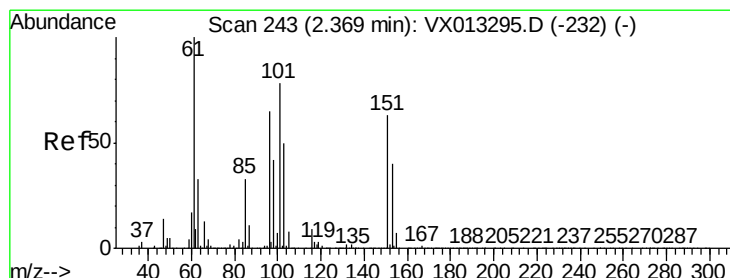
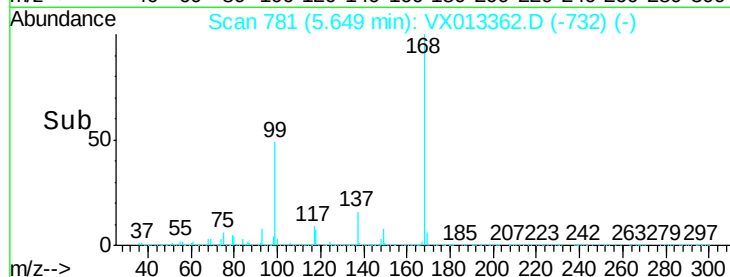
300000

200000

100000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.028 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

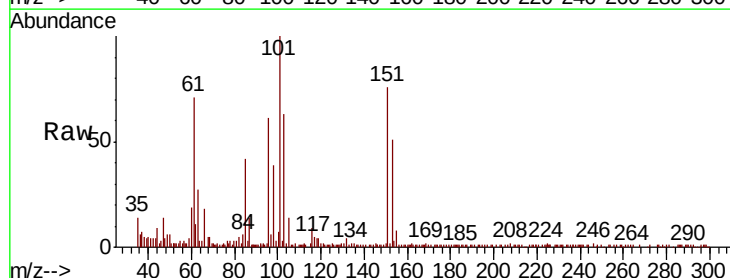
Tgt Ion:101 Resp: 22467

Ion Ratio Lower Upper

101 100

85 45.9 34.4 51.6

151 79.8 66.4 99.6



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

2.37

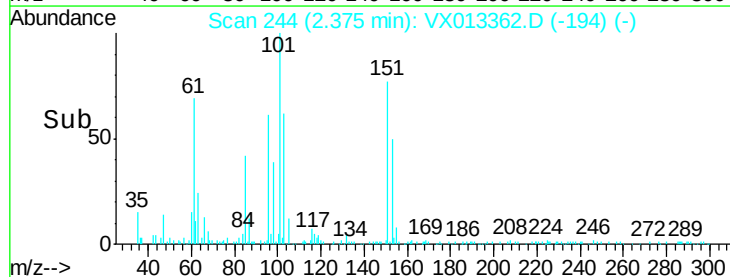
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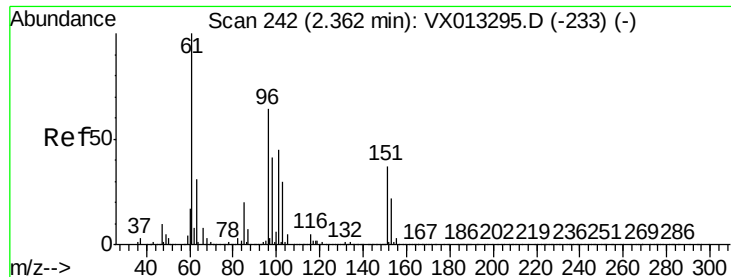
10000

5000

0

Time-->

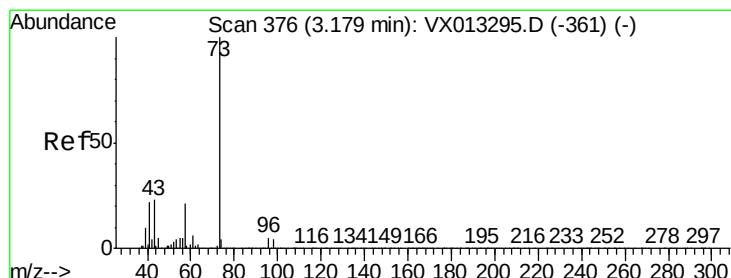
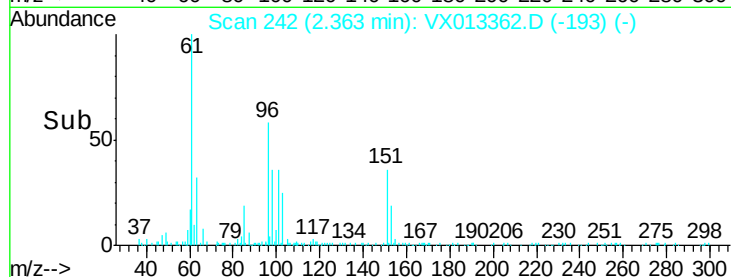
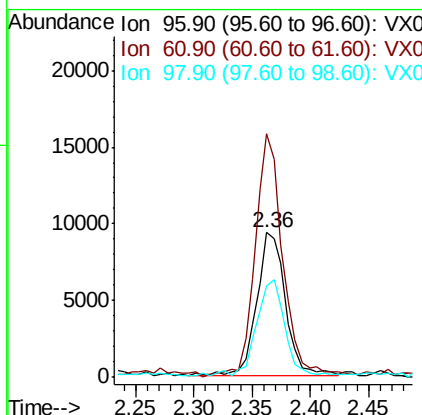
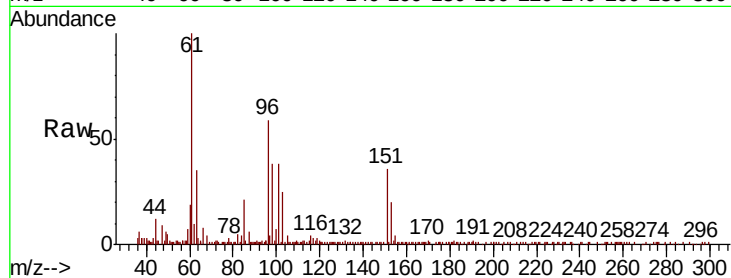




#12
 1,1-Dichloroethene
 Concen: 2.192 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013362.D
 Acq: 08 Nov 2019 17:01

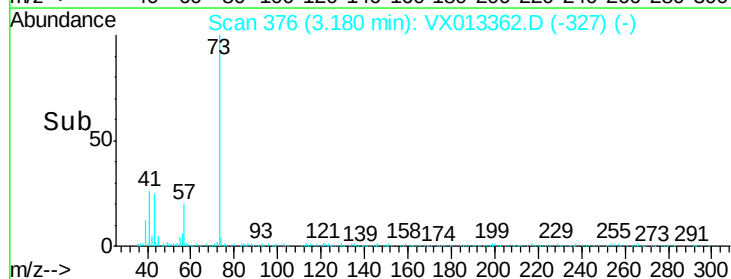
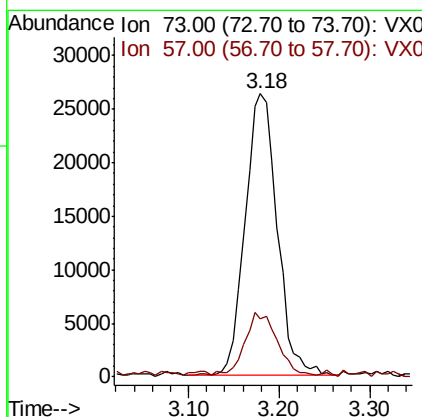
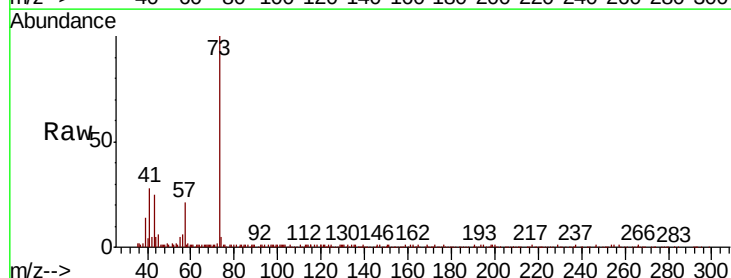
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-304-SRI4

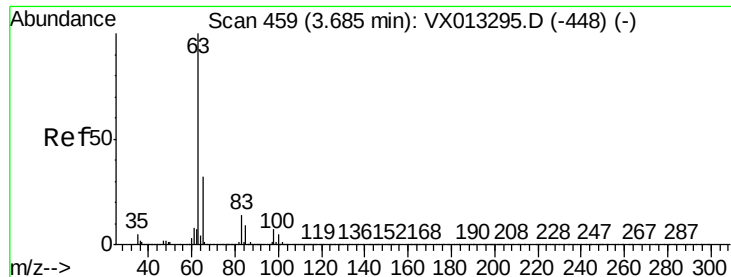
Tot Ion	96	Resp	15926
Ion Ratio	Lower	Upper	
96	100		
61	167.7	125.0	187.6
98	63.2	50.7	76.1



#19
 Methyl tert-butyl Ether
 Concen: 2.658 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013362.D
 Acq: 08 Nov 2019 17:01

Tgt Ion	73	Resp	64418
Ion Ratio	Lower	Upper	
73	100		
57	19.6	17.1	25.7





#24

1,1-Dichloroethane

Concen: 0.534 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

MW-304-SRI4

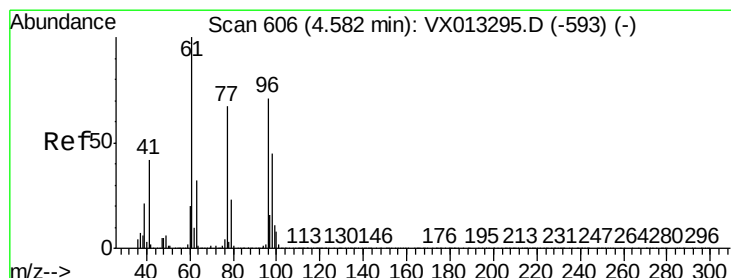
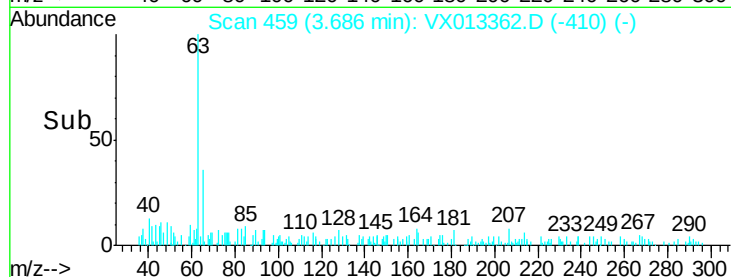
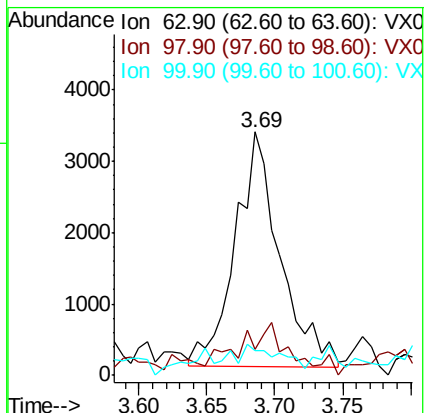
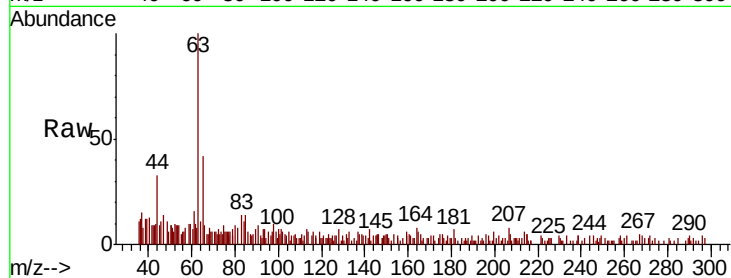
Tot Ion: 63 Resp: 7613

Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.4

100 5.6 2.4 7.2



#27

cis-1,2-Dichloroethene

Concen: 1.183 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

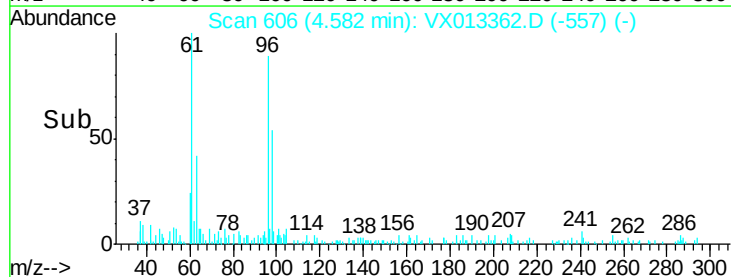
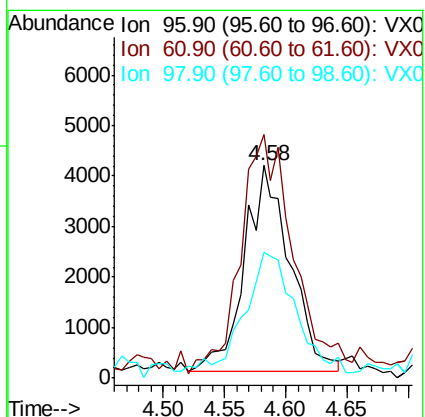
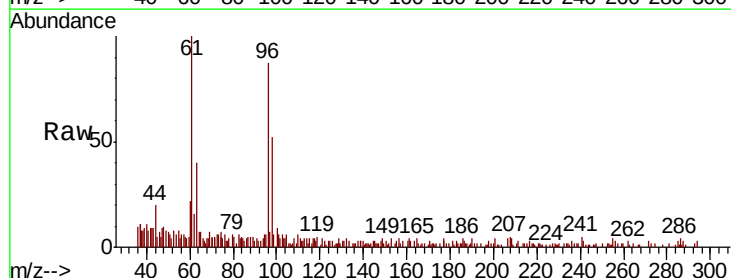
Tgt Ion: 96 Resp: 10487

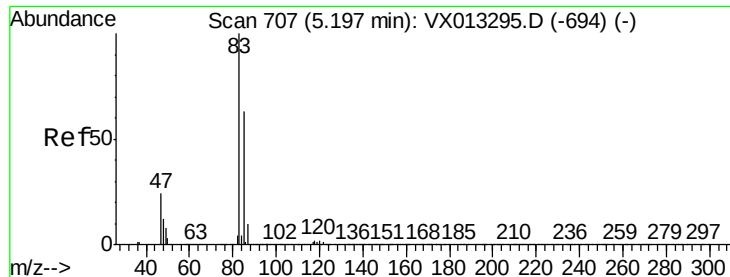
Ion Ratio Lower Upper

96 100

61 135.8 0.0 288.0

98 69.4 0.0 129.6

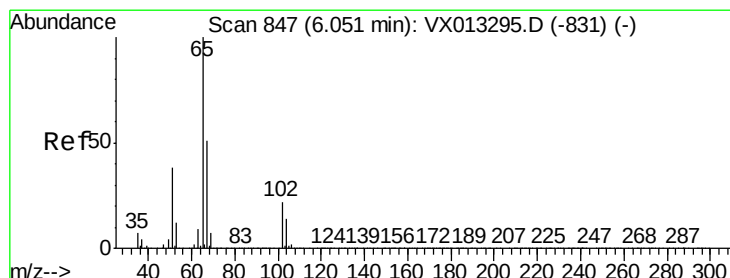
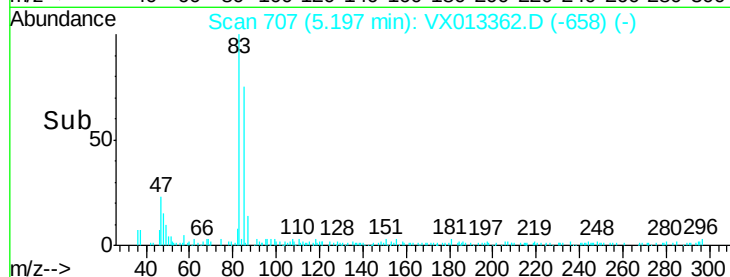
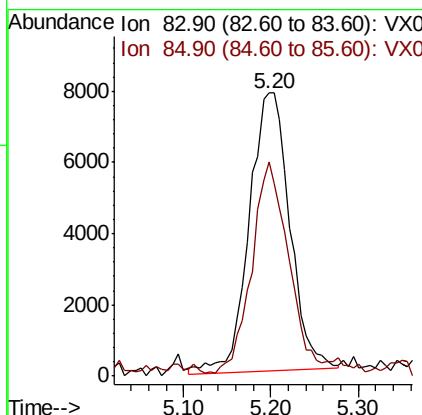
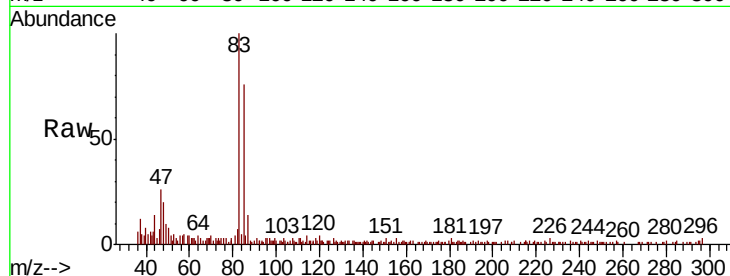




#30
Chloroform
Concen: 1.799 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

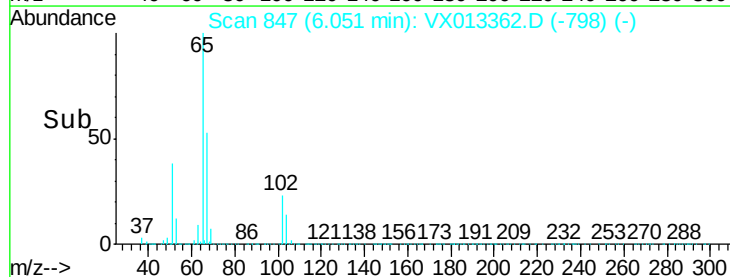
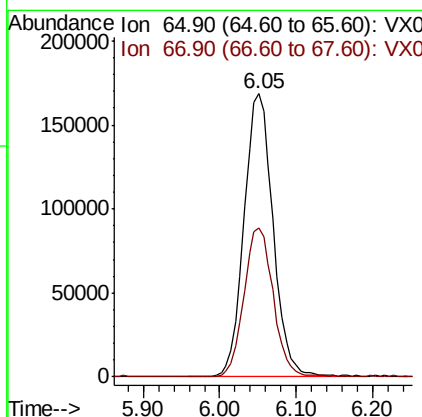
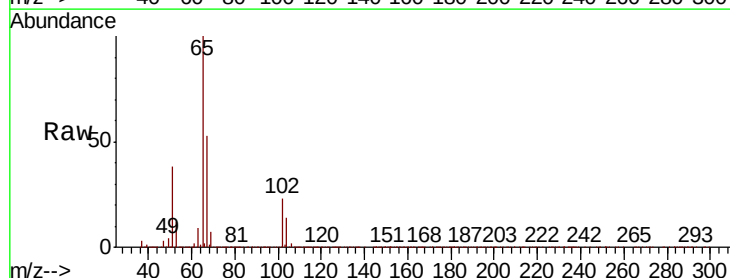
Instrument :
MSVOA_X
ClientSampleId :
MW-304-SRI4

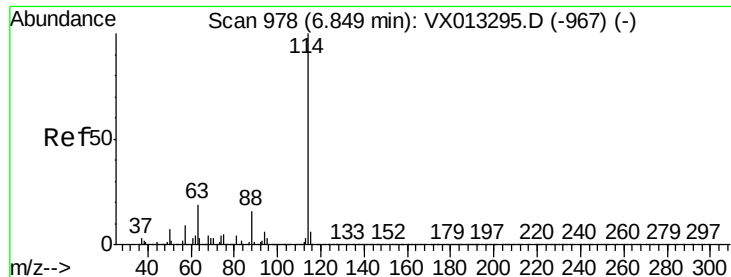
Tot Ion: 83 Resp: 25331
Ion Ratio Lower Upper
83 100
85 75.5 50.2 75.4#



#33
1,2-Dichloroethane-d4
Concen: 47.419 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

Tgt Ion: 65 Resp: 444970
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.2

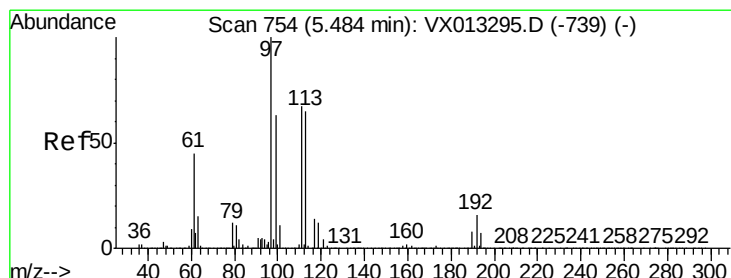
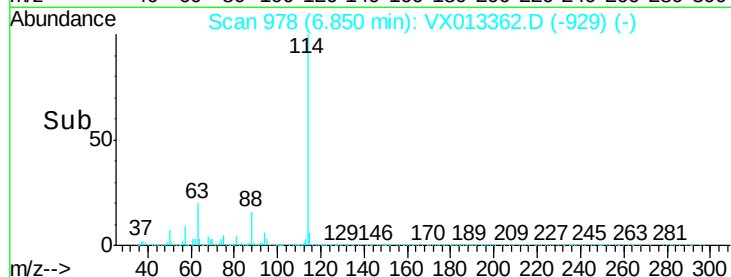
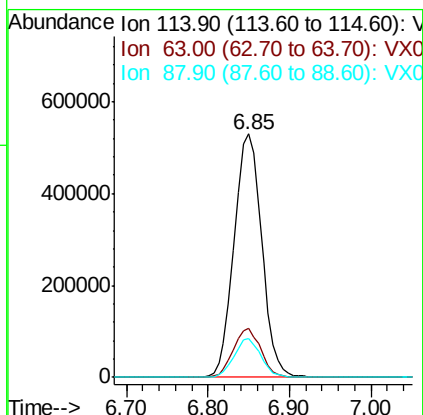
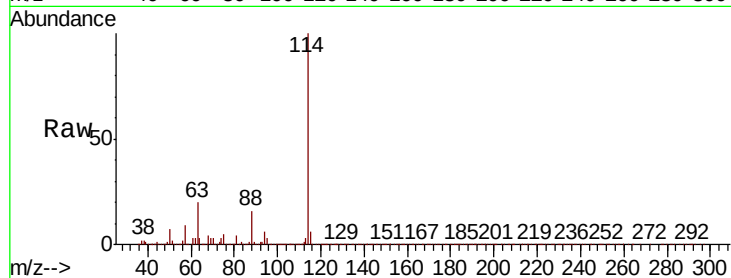




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

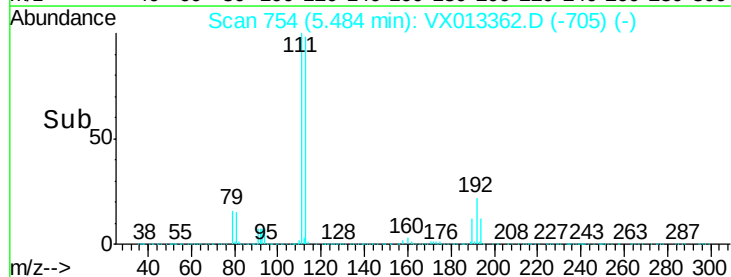
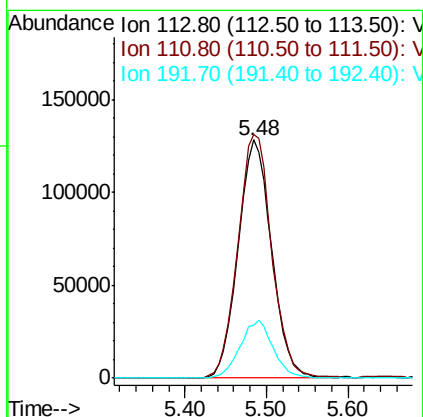
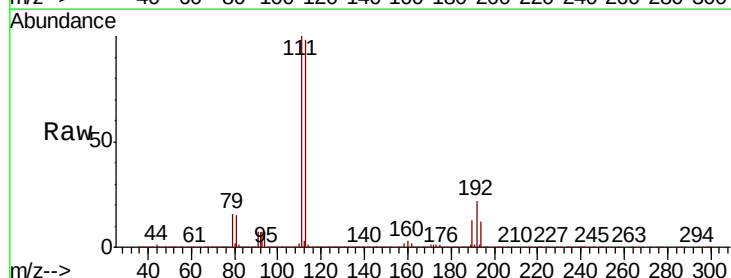
Instrument :
MSVOA_X
ClientSampleId :
MW-304-SRI4

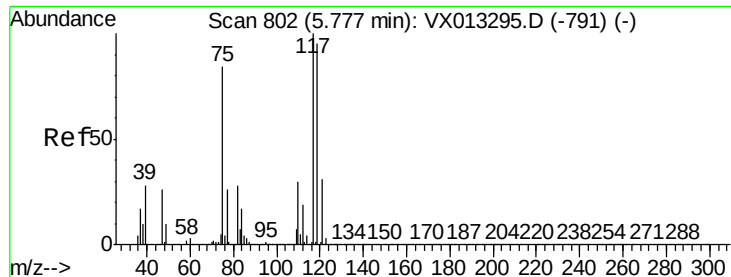
Tot Ion:114 Resp: 1241376
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.4
88 15.9 0.0 32.2



#35
Dibromofluoromethane
Concen: 46.545 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

Tgt Ion:113 Resp: 362400
Ion Ratio Lower Upper
113 100
111 104.6 81.9 122.9
192 24.3 19.1 28.7





#38

Carbon Tetrachloride

Concen: 1.750 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

MW-304-SRI4

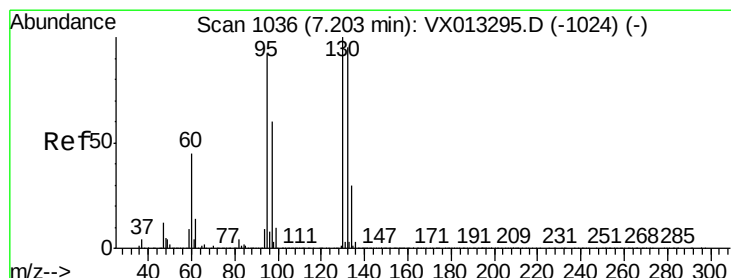
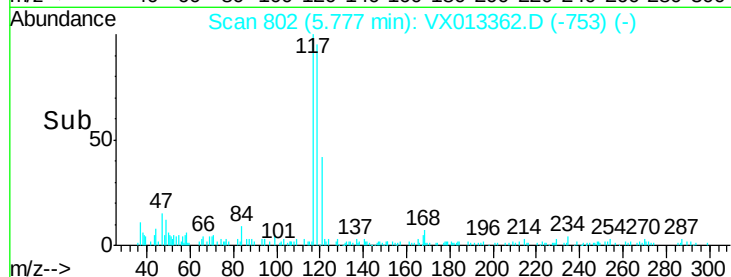
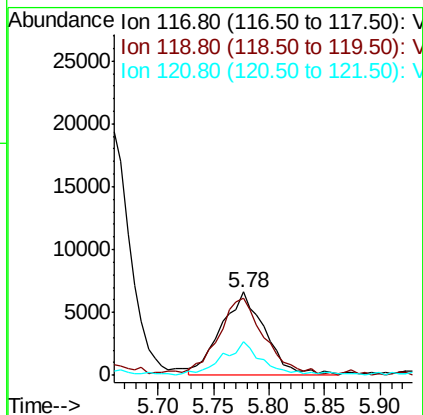
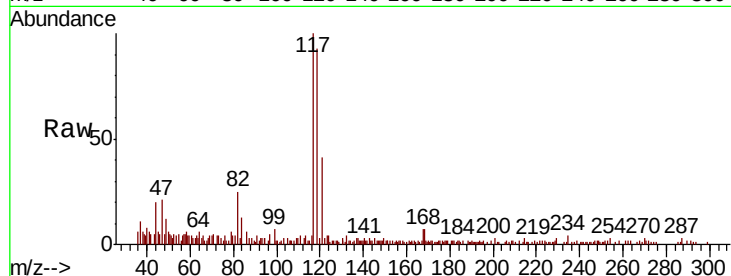
Tot Ion:117 Resp: 18229

Ion Ratio Lower Upper

117 100

119 90.7 76.1 114.1

121 37.9 24.6 37.0#



#44

Trichloroethene

Concen: 12.838 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013362.D

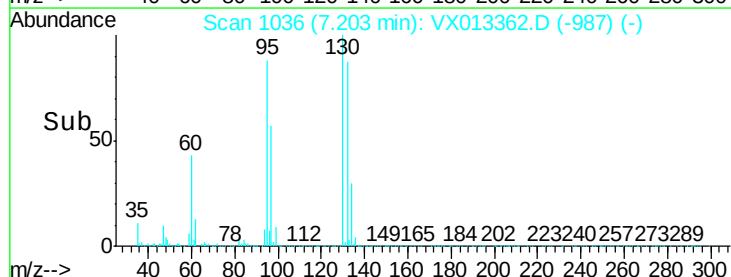
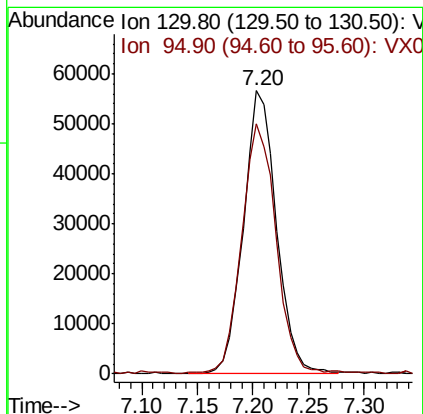
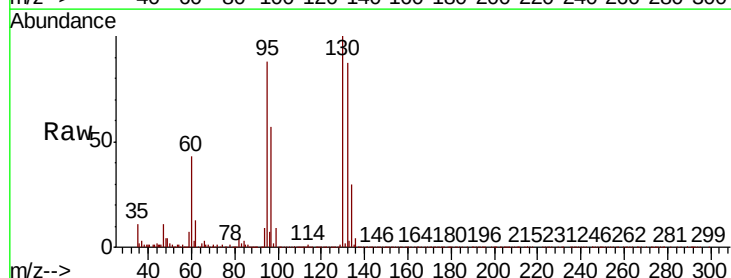
Acq: 08 Nov 2019 17:01

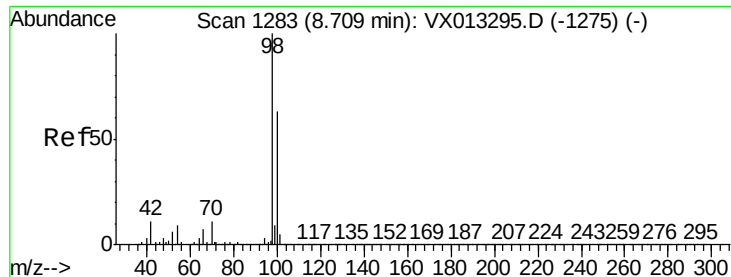
Tgt Ion:130 Resp: 117224

Ion Ratio Lower Upper

130 100

95 87.6 0.0 184.8





#50

Toluene-d8

Concen: 49.798 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

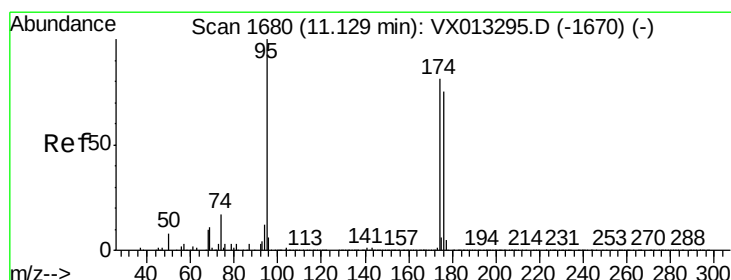
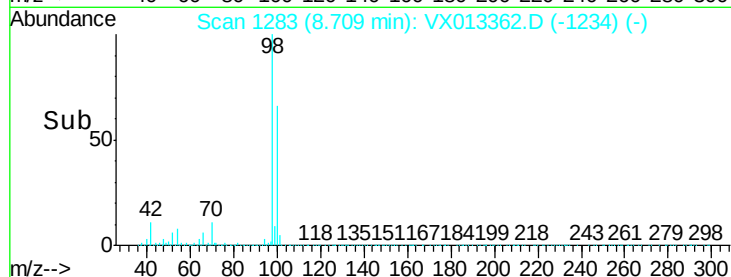
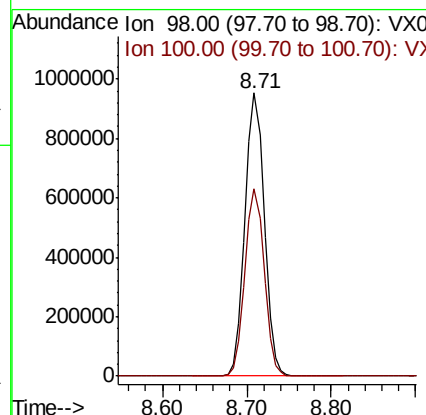
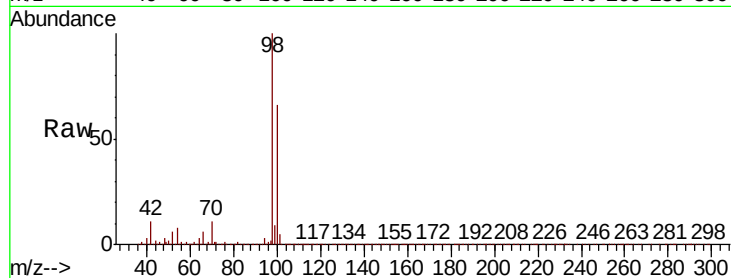
MW-304-SRI4

Tot Ion: 98 Resp: 1461711

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.760 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

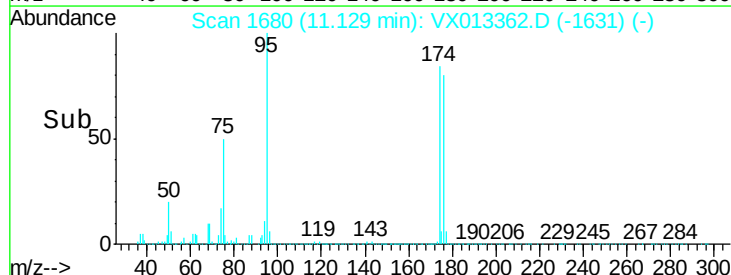
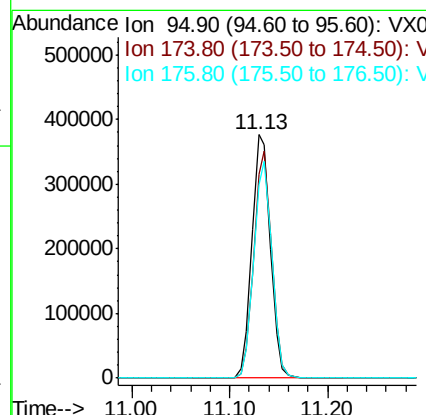
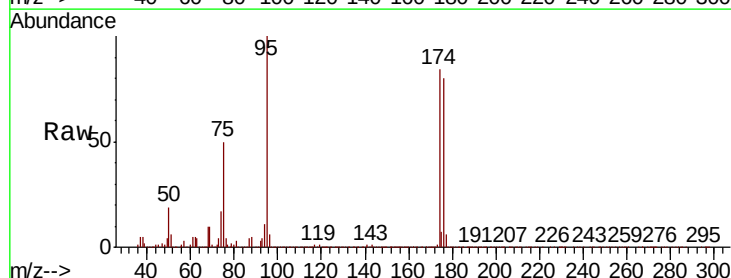
Tgt Ion: 95 Resp: 495358

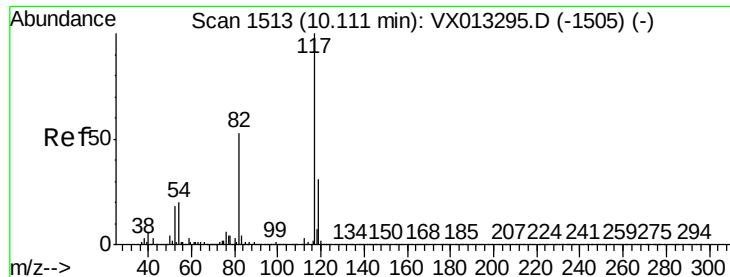
Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.8

176 87.6 0.0 173.0

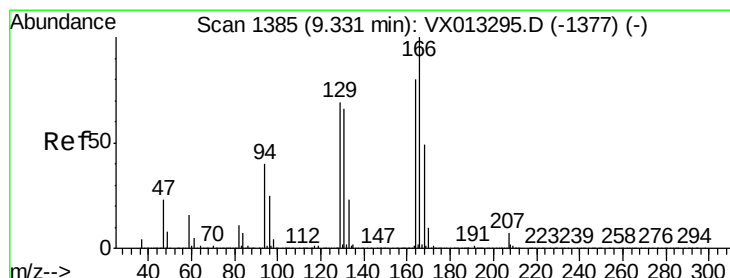
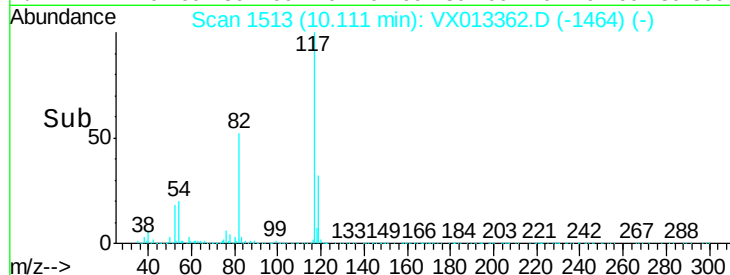
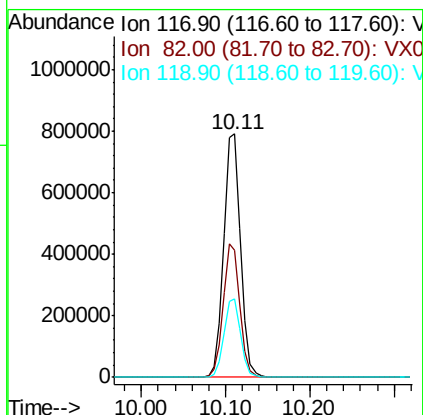
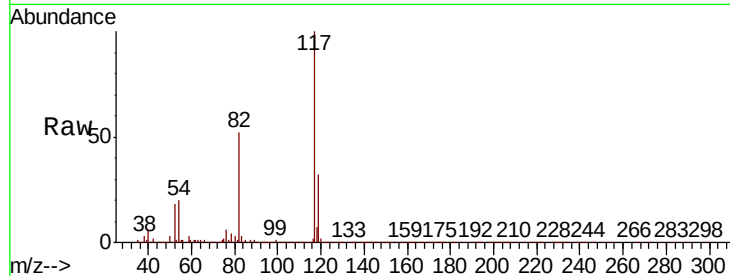




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

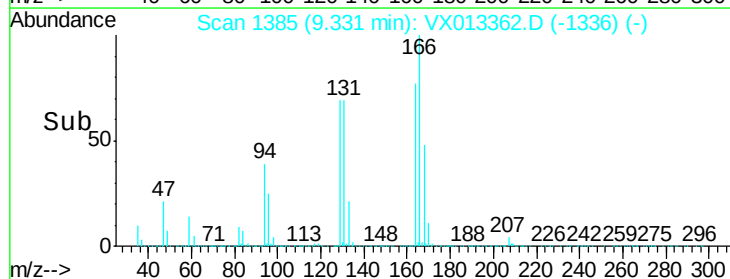
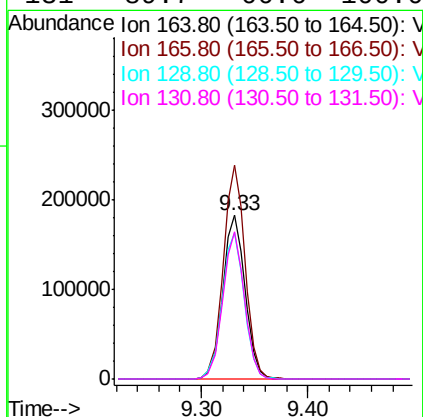
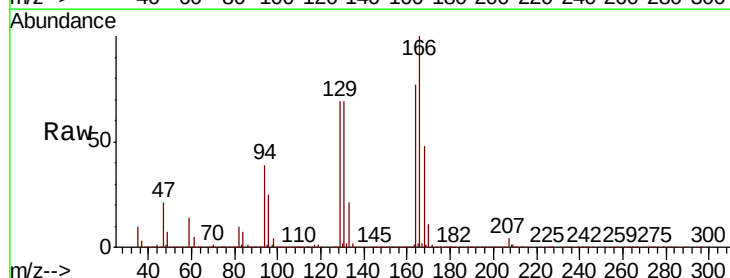
Instrument :
MSVOA_X
ClientSampleId :
MW-304-SRI4

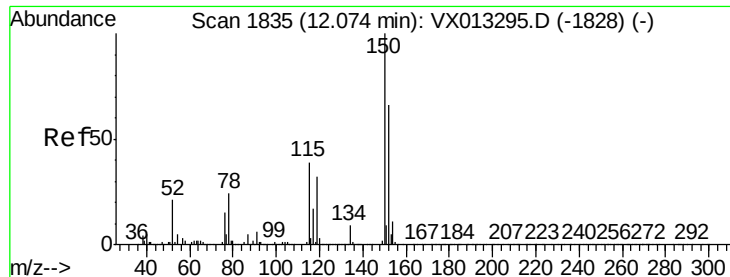
Tot Ion:117 Resp: 1097693
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 33.884 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013362.D
Acq: 08 Nov 2019 17:01

Tgt Ion:164 Resp: 266265
Ion Ratio Lower Upper
164 100
166 130.5 100.4 150.6
129 89.5 69.4 104.2
131 89.7 66.6 100.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

MW-304-SRI4

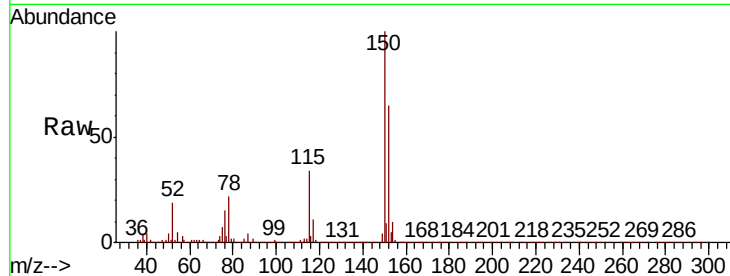
Tot Ion:152 Resp: 514576

Ion Ratio Lower Upper

152 100

115 54.7 39.5 118.3

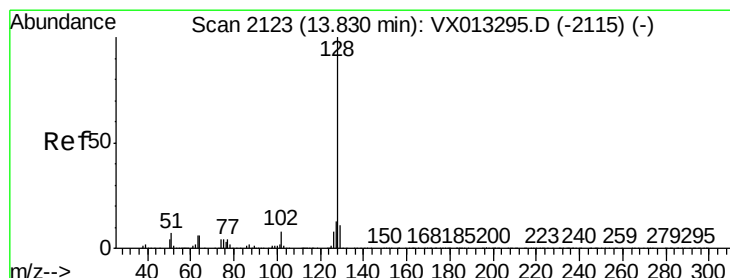
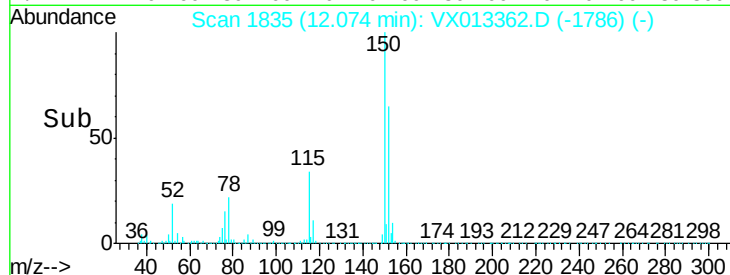
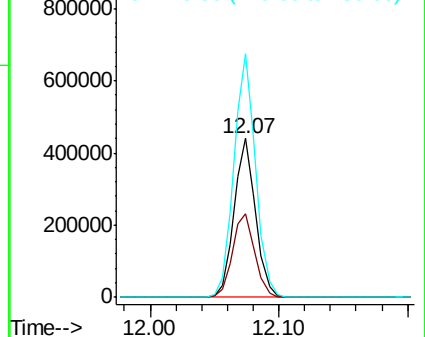
150 154.5 0.0 344.4



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



#95

Naphthalene

Concen: 0.543 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013362.D

Acq: 08 Nov 2019 17:01

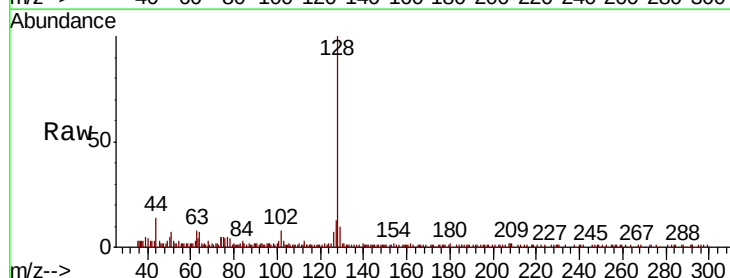
Tgt Ion:128 Resp: 19252

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 14.4 8.5 12.7#



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

