

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013527.D
 Acq On : 22 Nov 2019 12:52
 Operator : JC/SP
 Sample : K5804-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TE-MW-QA-2

Quant Time: Nov 22 14:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	111815	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	621558	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	528133	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	242745	29.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.00%
60) 4-Bromofluorobenzene	11.14	95	232668	27.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.37%
63) Toluene-d8	8.71	98	732164	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

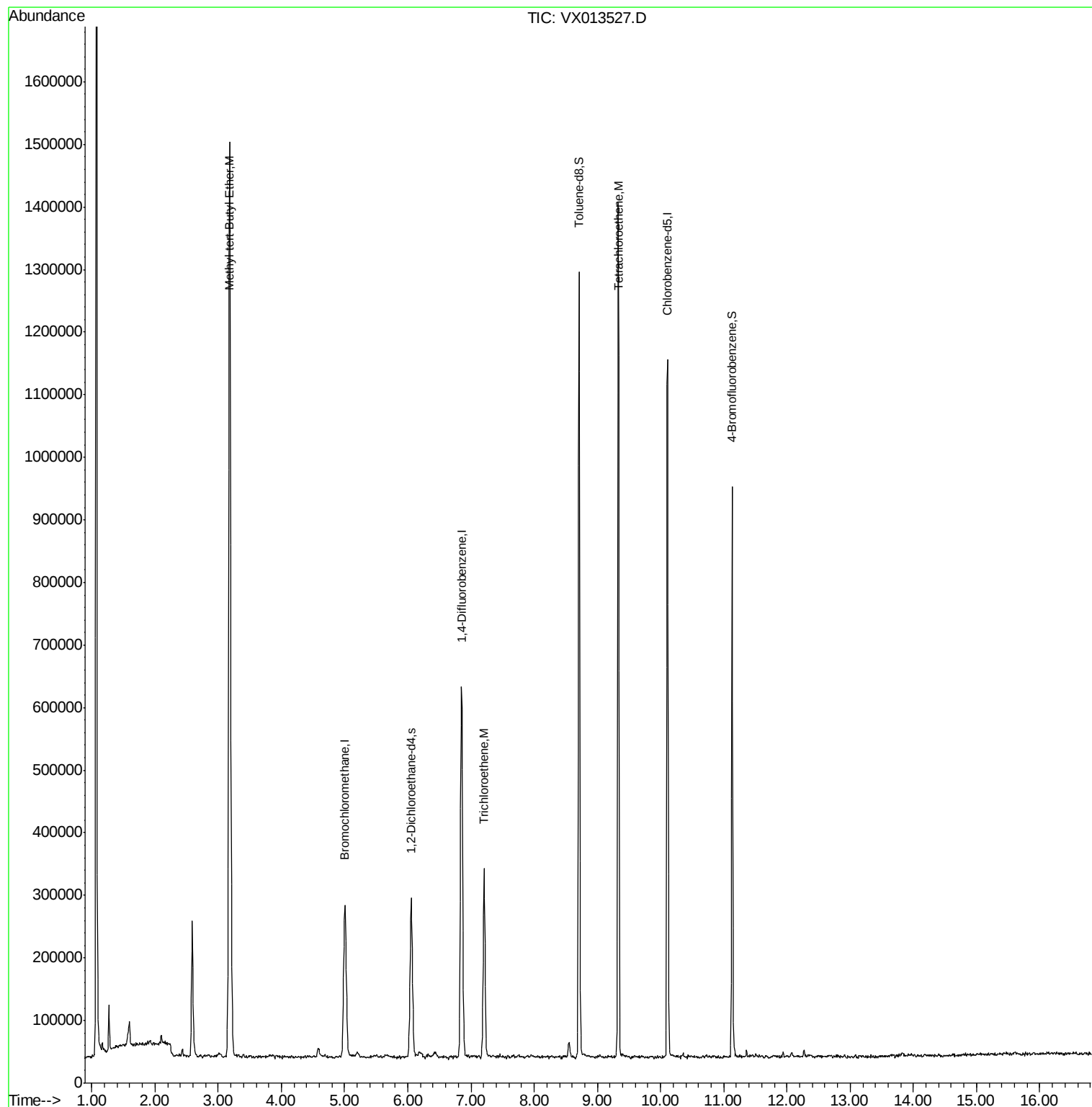
Target Compounds					Ovalue
24) Methyl tert-Butyl Ether	3.18	73	1612046	70.532	ug/l 100
37) Trichloroethene	7.21	130	122868	15.927	ug/l 99
61) Tetrachloroethene	9.33	164	263009	40.385	ug/l 96

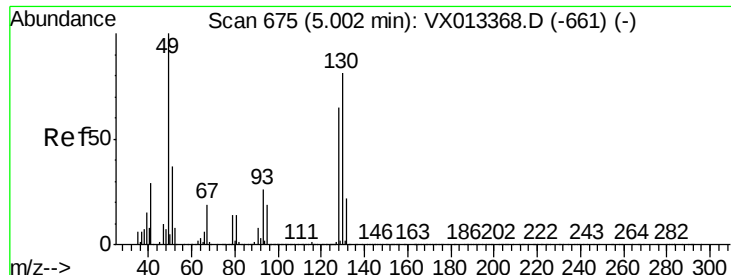
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

TE-MW-QA-2

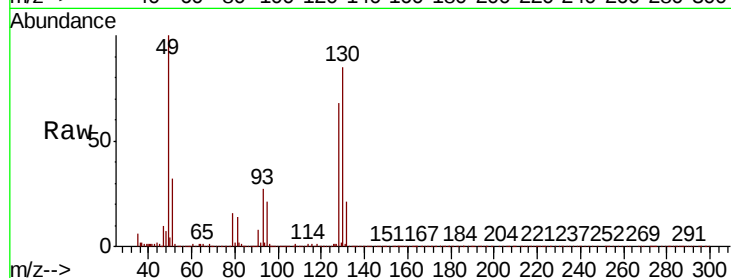
Tot Ion:128 Resp: 111815

Ion Ratio Lower Upper

128 100

49 158.5 0.0 388.3

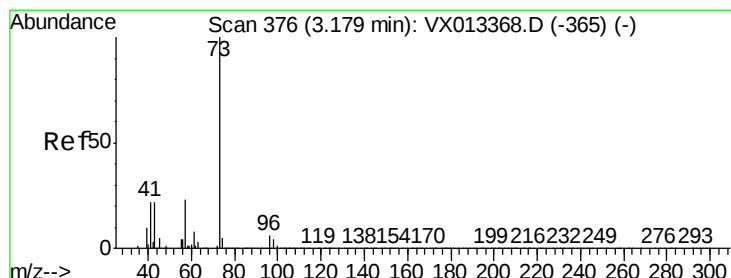
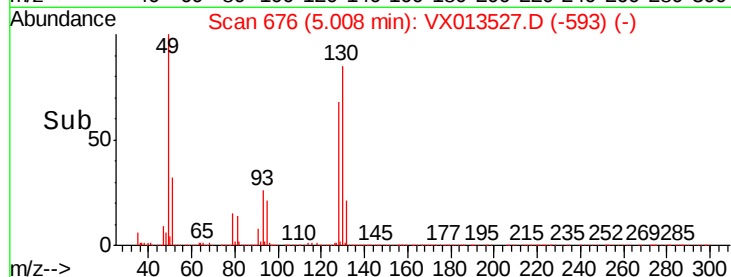
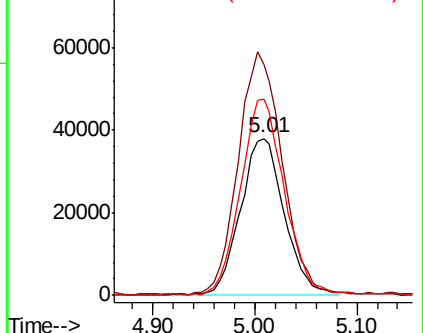
130 127.0 0.0 318.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#24

Methyl tert-Butyl Ether

Concen: 70.532 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.00 min

Lab File: VX013527.D

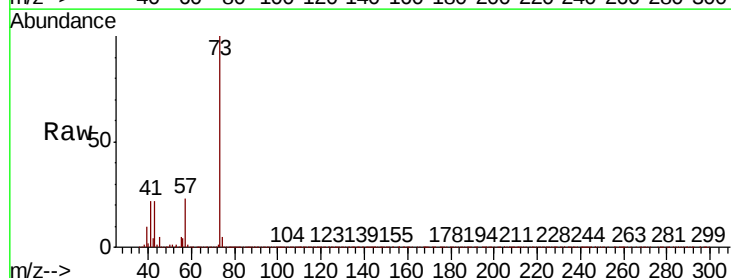
Acq: 22 Nov 2019 12:52

Tgt Ion: 73 Resp: 1612046

Ion Ratio Lower Upper

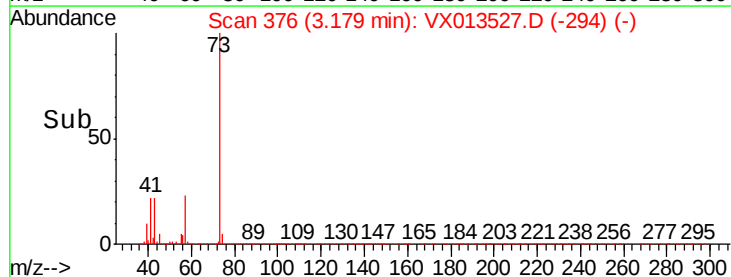
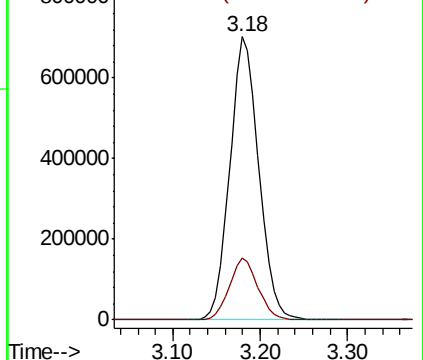
73 100

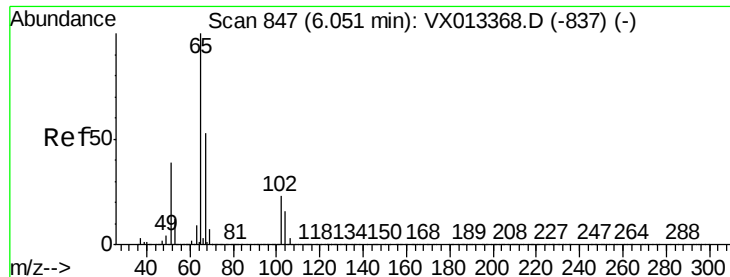
43 21.5 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 29.400 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013527.D

Acq: 22 Nov 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

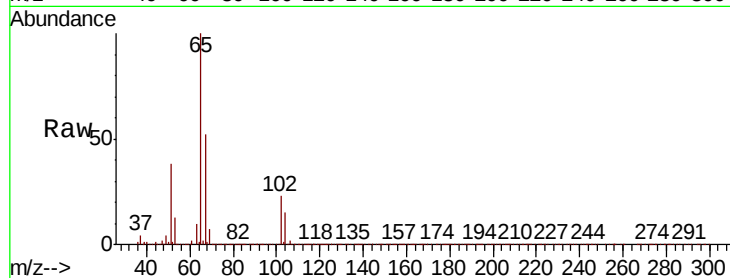
TE-MW-QA-2

Tot Ion: 65 Resp: 242745

Ion Ratio Lower Upper

65 100

67 52.6 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

100000

80000

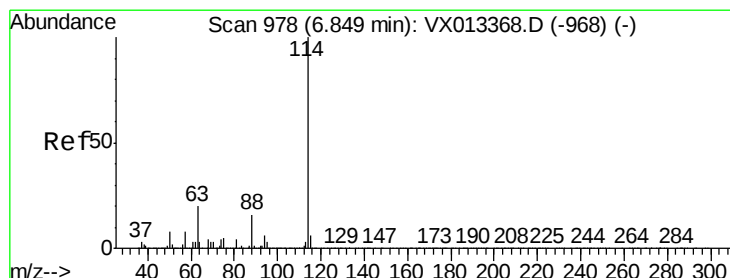
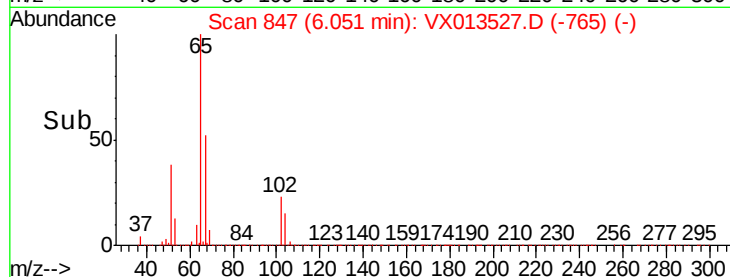
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013527.D

Acq: 22 Nov 2019 12:52

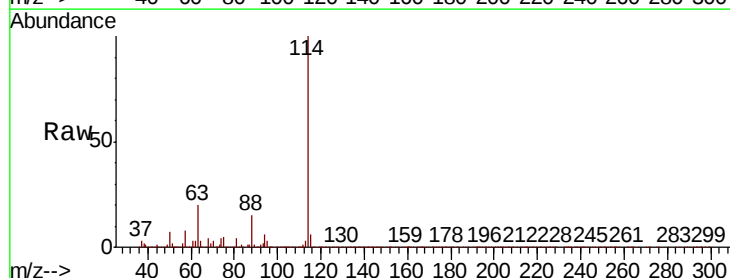
Tgt Ion: 114 Resp: 621558

Ion Ratio Lower Upper

114 100

63 19.9 16.1 24.1

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

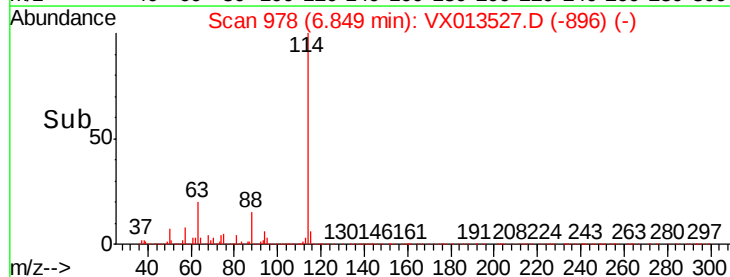
300000

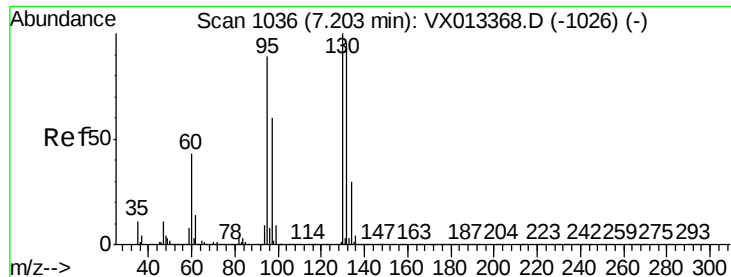
200000

100000

0

Time-->

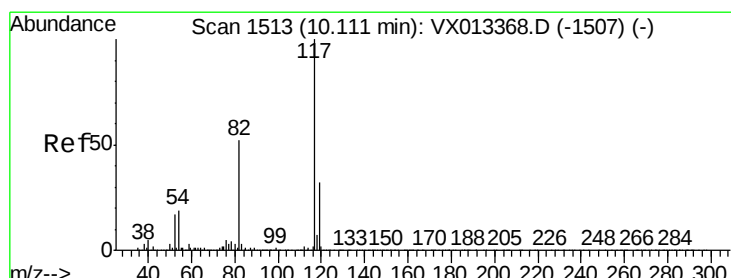
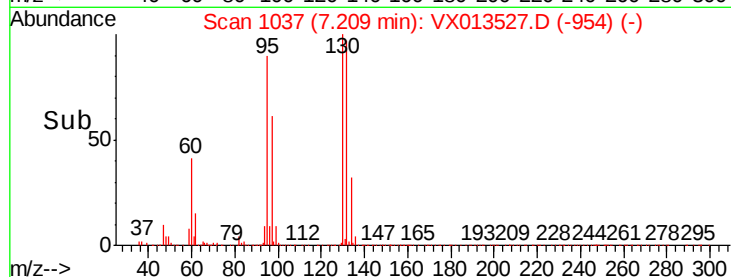
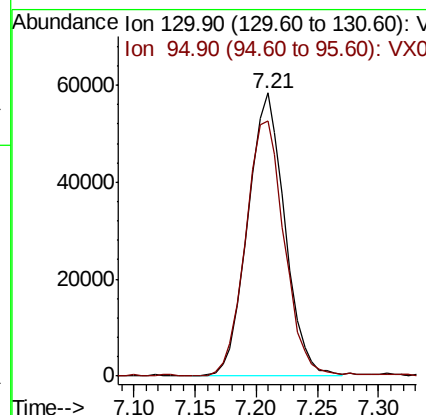
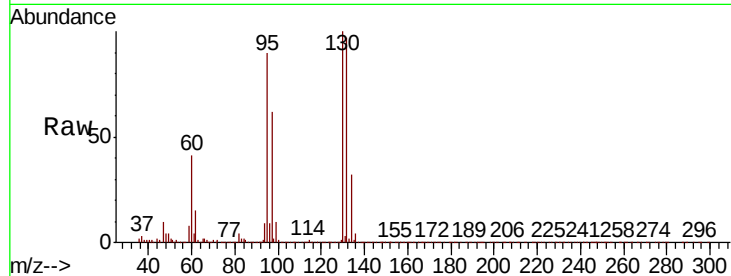




#37
 Trichloroethene
 Concen: 15.927 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013527.D
 Acq: 22 Nov 2019 12:52

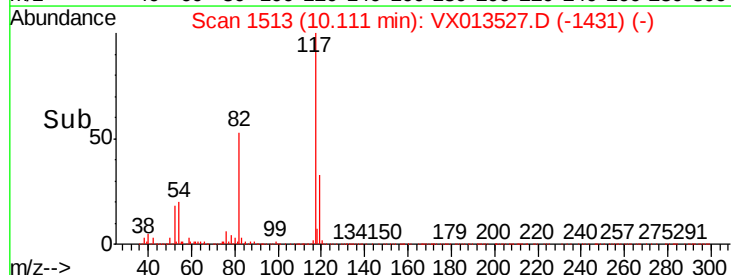
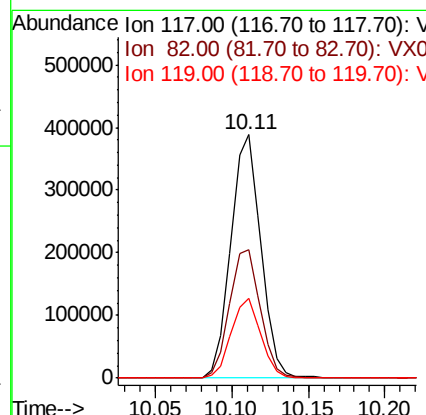
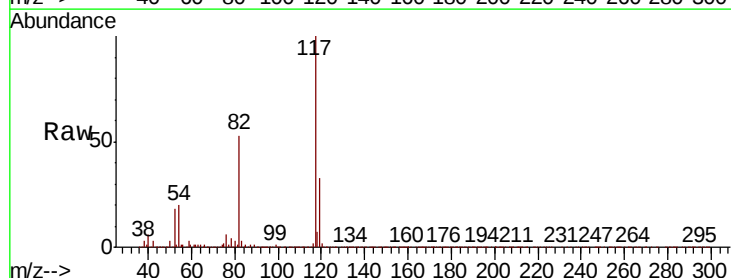
Instrument :
 MSVOA_X
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 TE-MW-QA-2

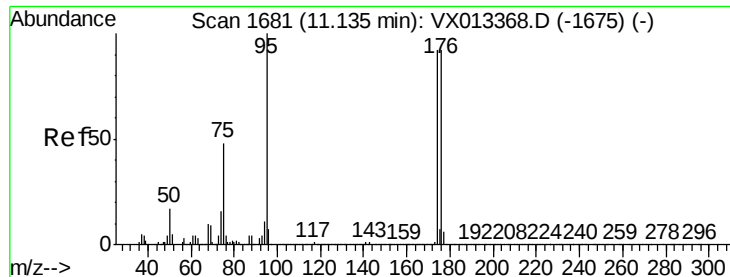
Tot Ion:130 Resp: 122868
 Ion Ratio Lower Upper
 130 100
 95 90.1 71.3 106.9



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VX013527.D
 Acq: 22 Nov 2019 12:52

Tgt Ion:117 Resp: 528133
 Ion Ratio Lower Upper
 117 100
 82 53.9 43.7 65.5
 119 32.3 25.5 38.3

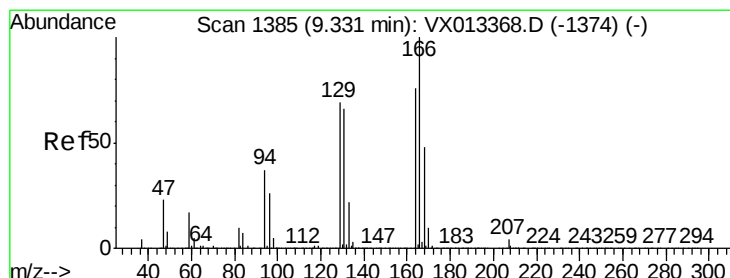
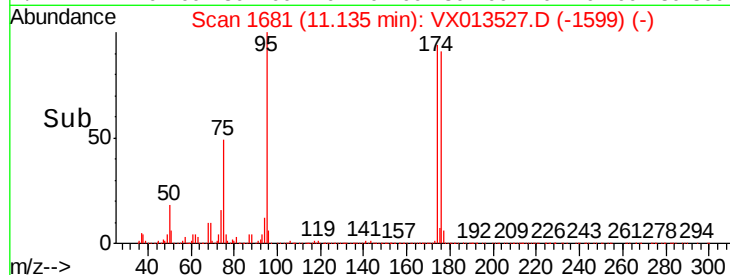
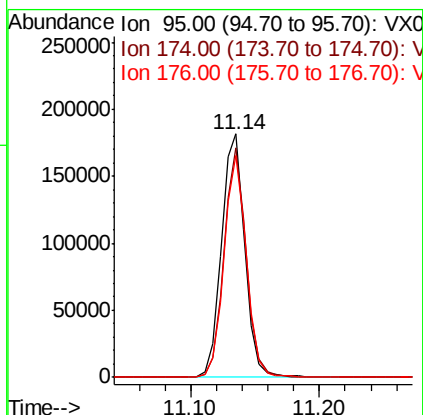
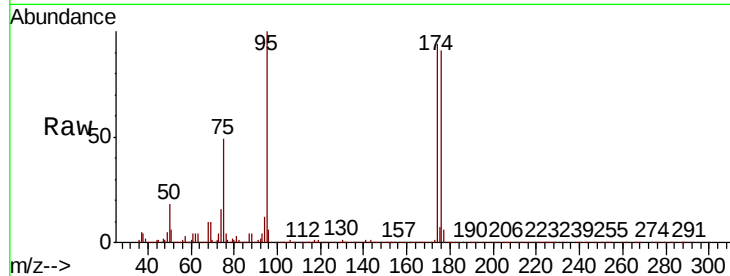




#60
4-Bromofluorobenzene
Concen: 27.410 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013527.D
Acq: 22 Nov 2019 12:52

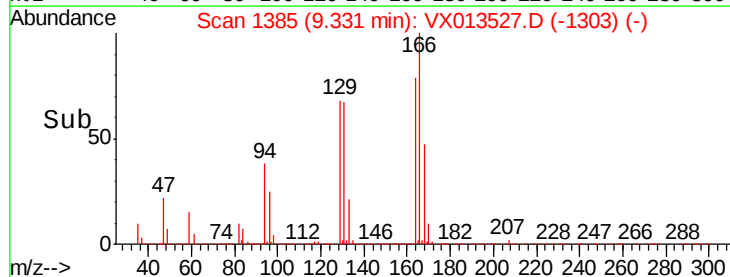
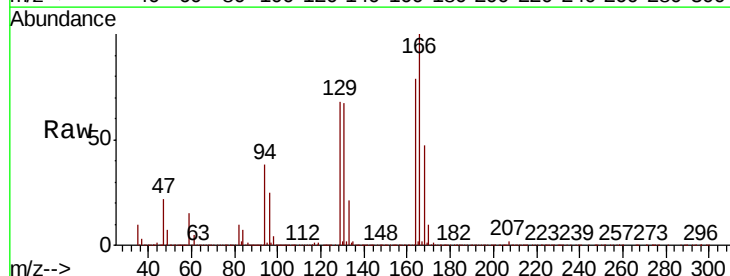
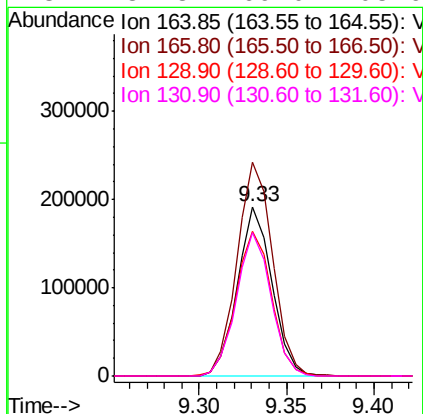
Instrument :
MSVOA_X
ClientSampleId :
TE-MW-QA-2

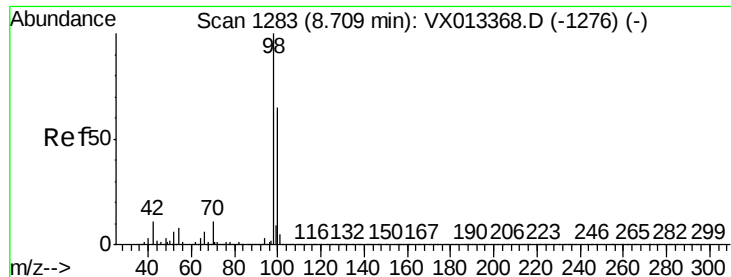
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	70.2	105.2
176	87.0	68.3	102.5



#61
Tetrachloroethene
Concen: 40.385 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013527.D
Acq: 22 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	104.9	157.3
129	85.6	72.3	108.5
131	84.8	69.0	103.6





#63

Toluene-d8

Concen: 30.657 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013527.D

Acq: 22 Nov 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

TE-MW-QA-2

Tot Ion: 98 Resp: 732164

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

