

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013427.D
 Acq On : 14 Nov 2019 17:09
 Operator : JC/SP
 Sample : K5828-03DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 REP111319DL

Quant Time: Nov 15 23:51:11 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	122803	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	669181	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	577088	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	259852	28.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	11.14	95	257076	27.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.40%
63) Toluene-d8	8.71	98	791972	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

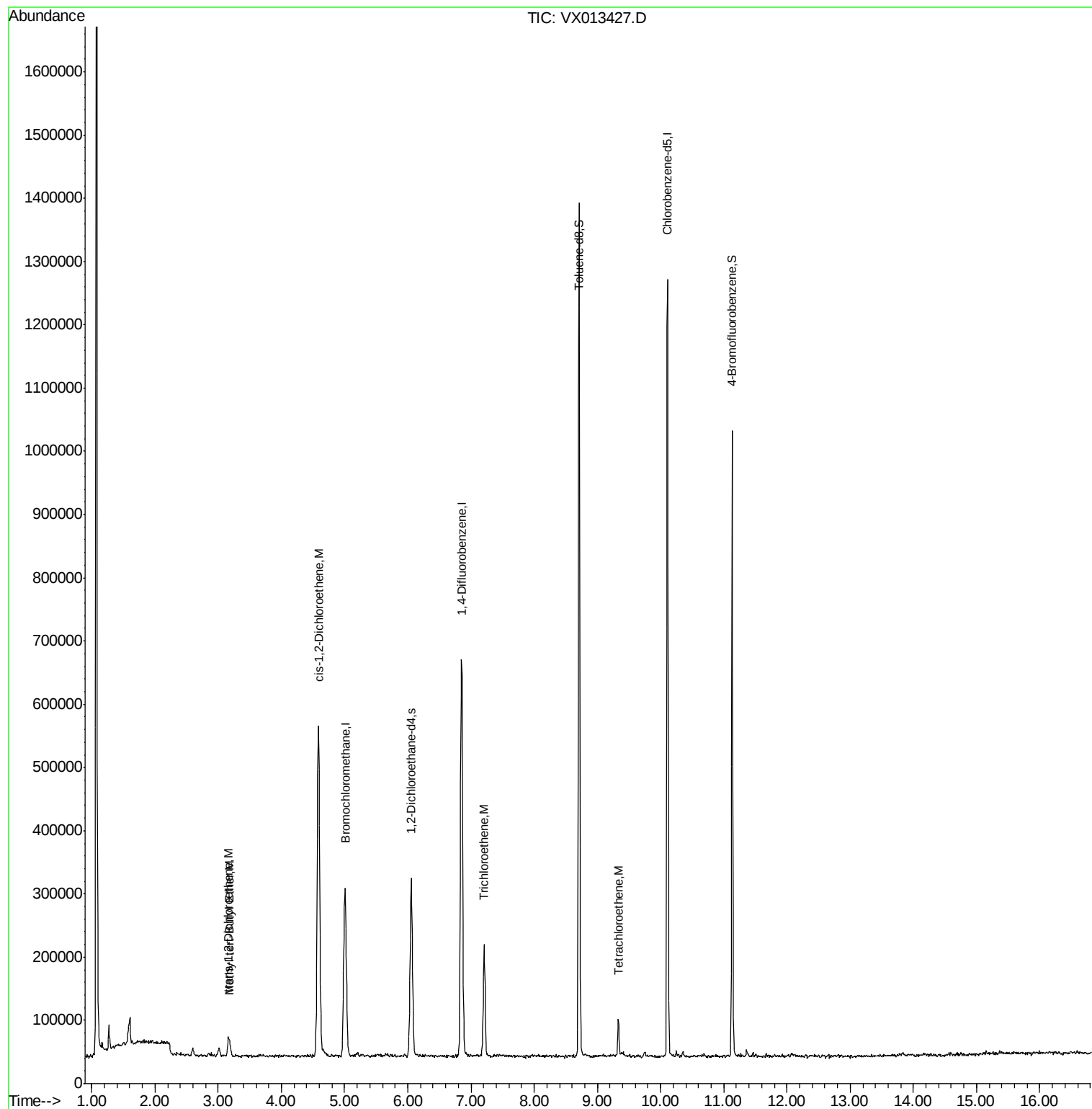
					Ovalue
19) trans-1,2-Dichloroethene	3.16	96	11571	1.428	ug/l 90
22) cis-1,2-Dichloroethene	4.59	96	336984	36.465	ug/l 88
24) Methyl tert-Butyl Ether	3.18	73	19236	0.766	ug/l 96
37) Trichloroethene	7.21	130	70511	8.490	ug/l 97
61) Tetrachloroethene	9.33	164	10809	1.519	ug/l 97

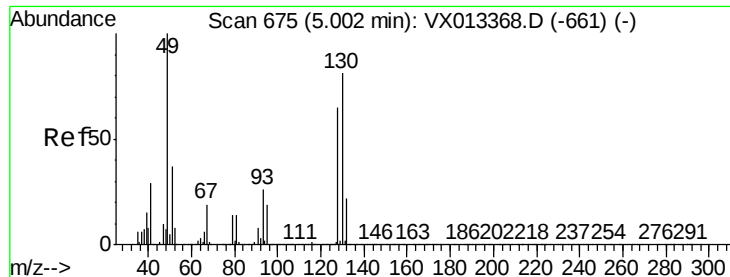
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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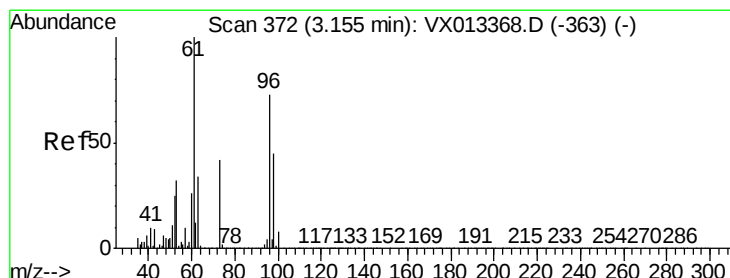
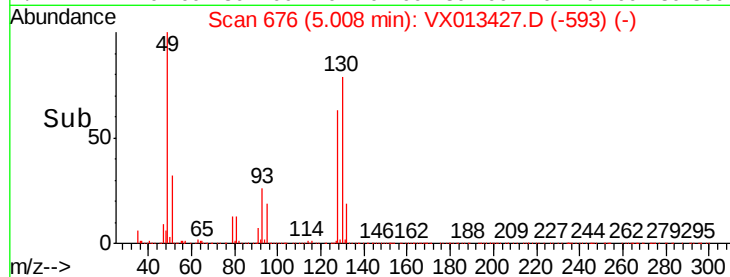
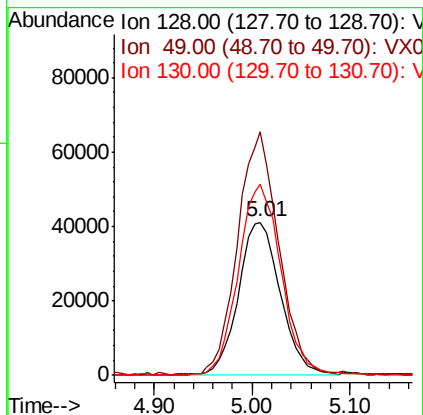
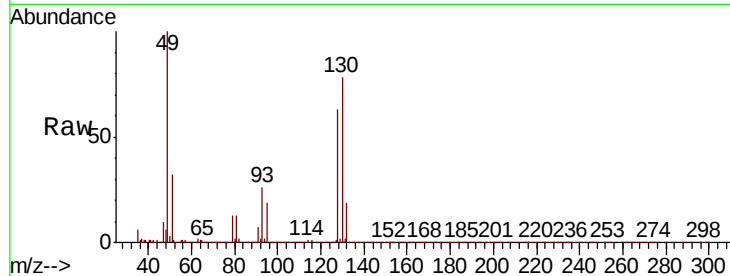


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013427.D
 Acq: 14 Nov 2019 17:09

Instrument :
 MSVOA_X
 ClientSampleId :
 REP111319DL

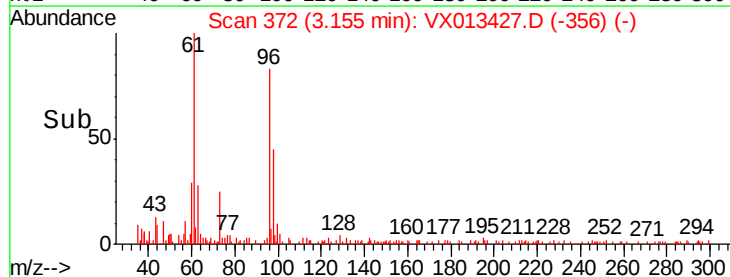
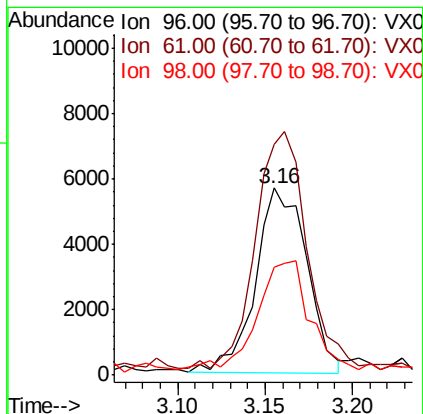
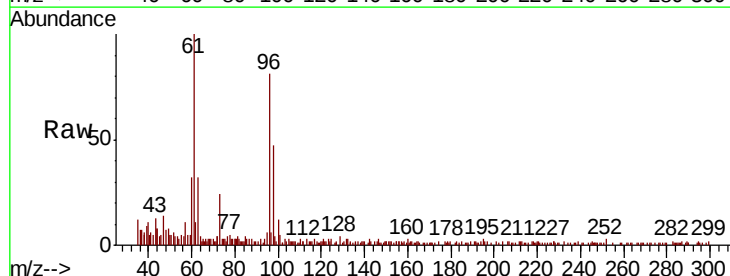
Tot Ion	Ratio	Lower	Upper
128	100		
49	154.3	0.0	388.3
130	126.8	0.0	318.5

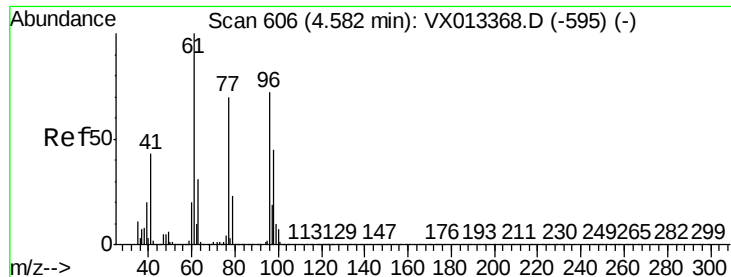


#19

trans-1,2-Dichloroethene
 Concen: 1.428 ug/l
 RT: 3.16 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX013427.D
 Acq: 14 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.5	109.9	164.9
98	58.8	49.7	74.5



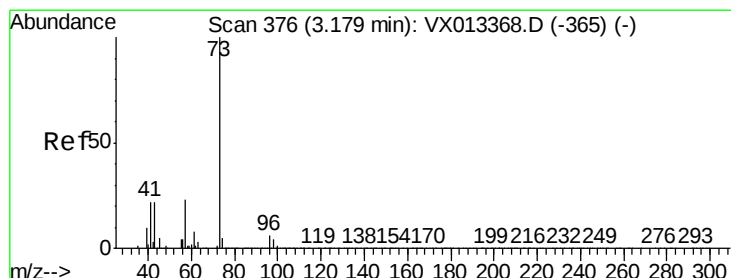
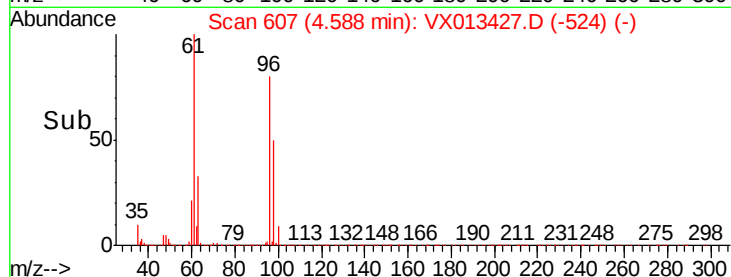
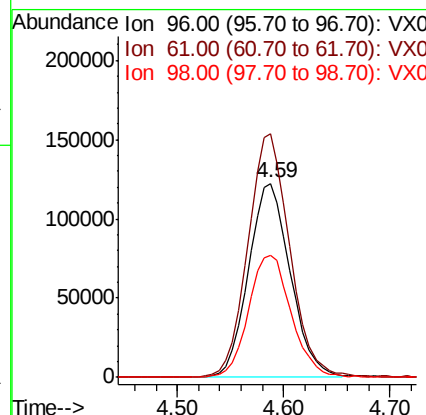
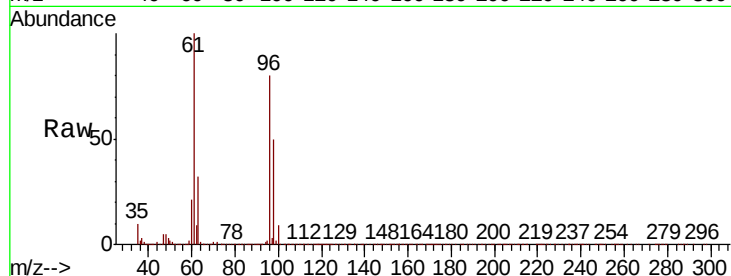


#22

cis-1,2-Dichloroethene
 Concen: 36.465 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013427.D
 Acq: 14 Nov 2019 17:09

Instrument :
 MSVOA_X
 ClientSampleId :
 REP111319DL

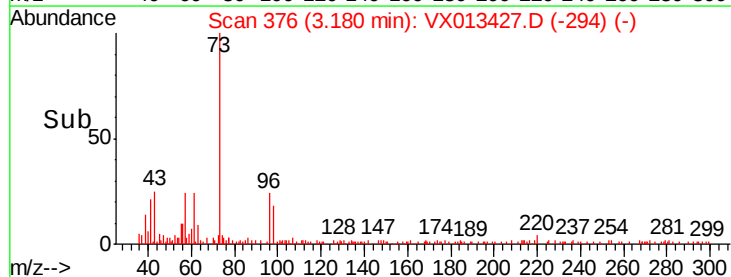
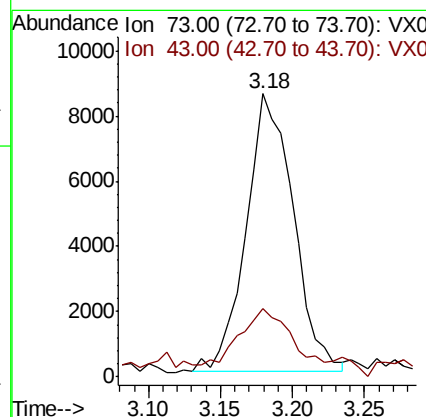
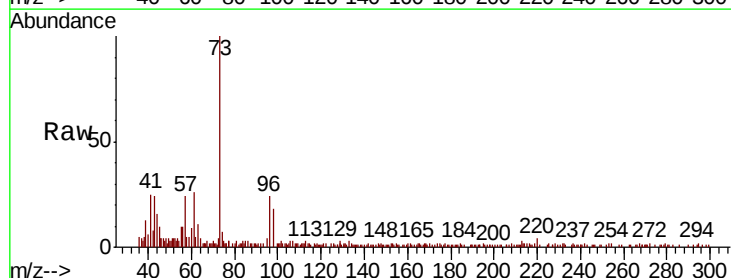
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.7	117.0	175.6
98	63.7	51.1	76.7

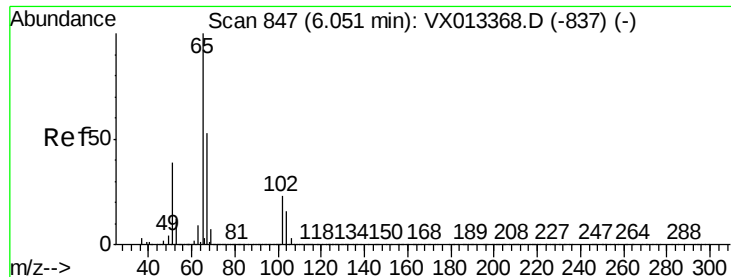


#24

Methyl tert-Butyl Ether
 Concen: 0.766 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013427.D
 Acq: 14 Nov 2019 17:09

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	17.0	25.6





#27

1,2-Dichloroethane-d4

Concen: 28.656 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

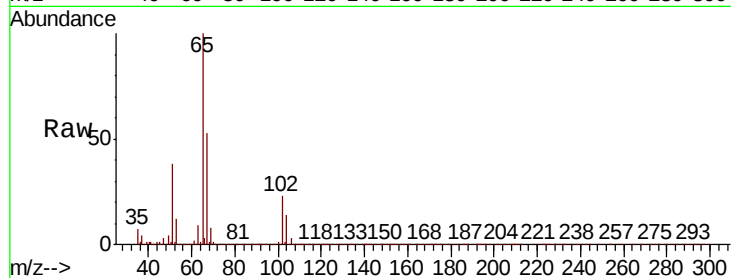
REP111319DL

Tot Ion: 65 Resp: 259852

Ion Ratio Lower Upper

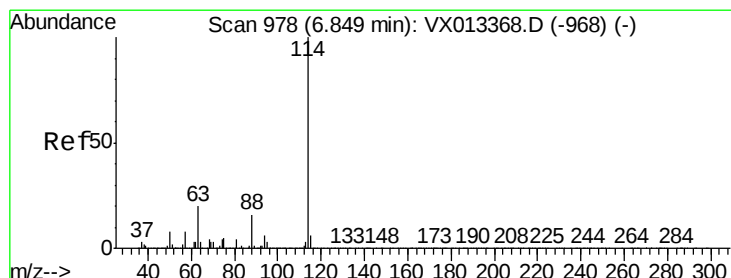
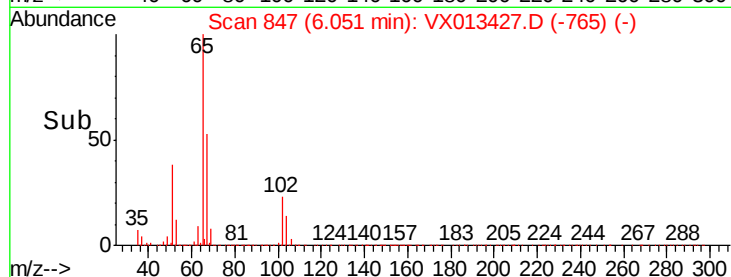
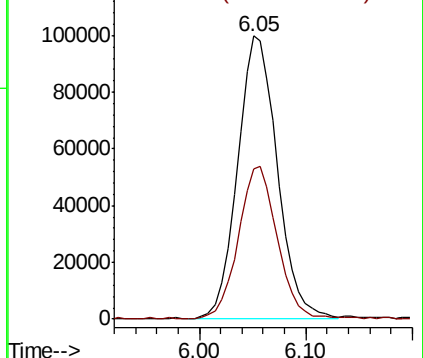
65 100

67 52.3 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

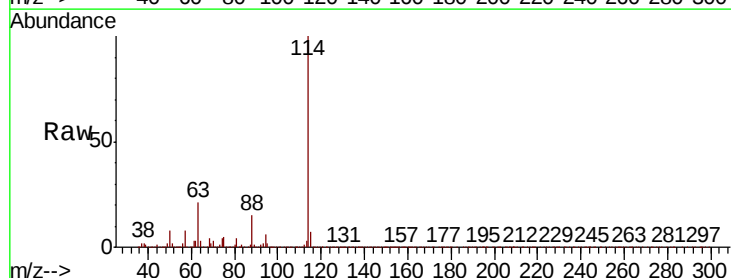
Tgt Ion: 114 Resp: 669181

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

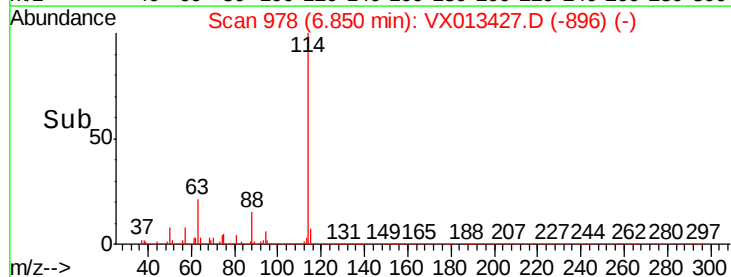
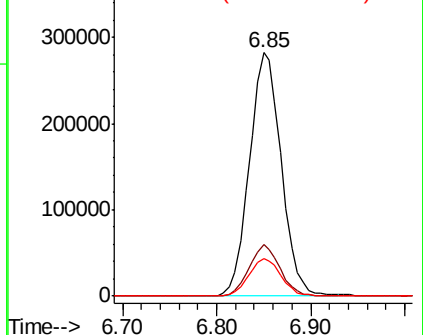
88 15.4 12.3 18.5

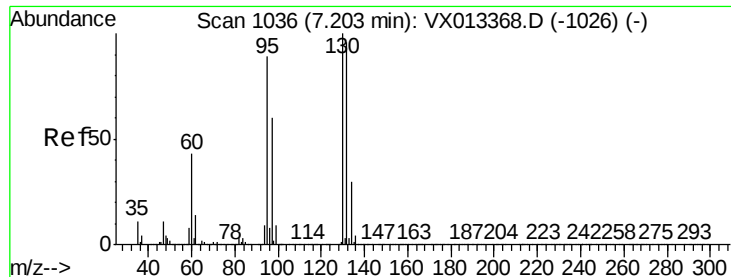


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 8.490 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

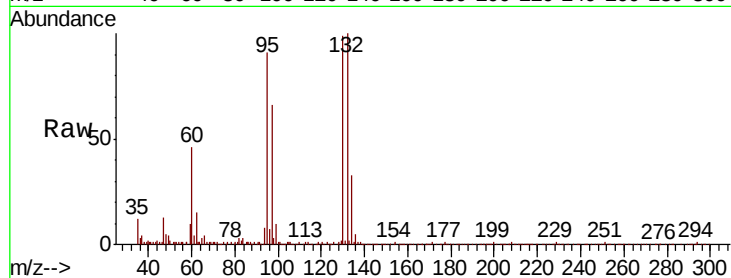
REP111319DL

Tot Ion:130 Resp: 70511

Ion Ratio Lower Upper

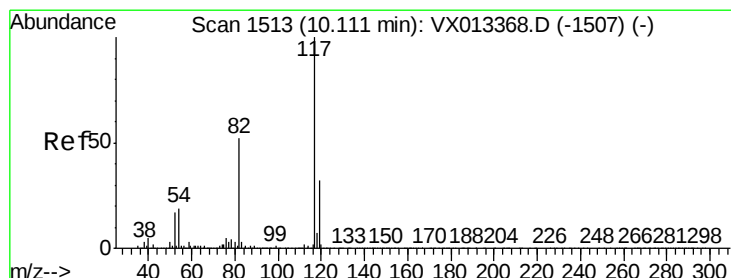
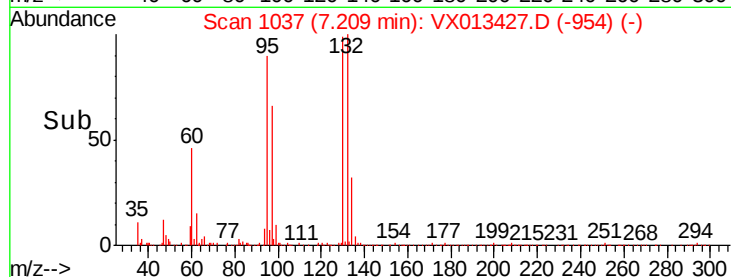
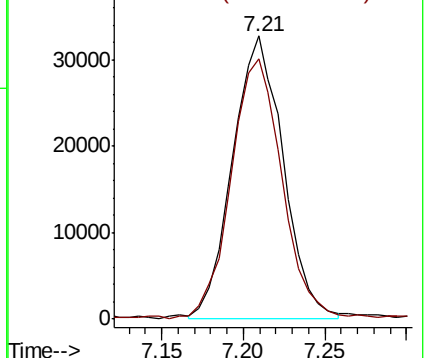
130 100

95 91.5 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

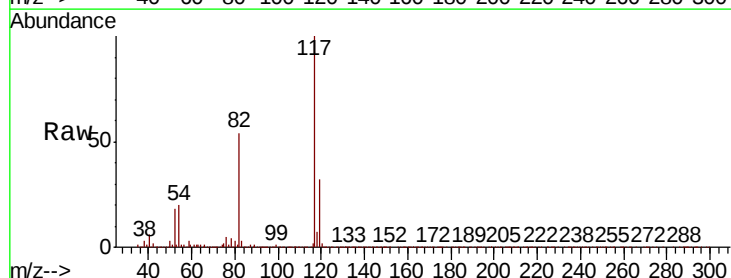
Tgt Ion:117 Resp: 577088

Ion Ratio Lower Upper

117 100

82 54.4 43.7 65.5

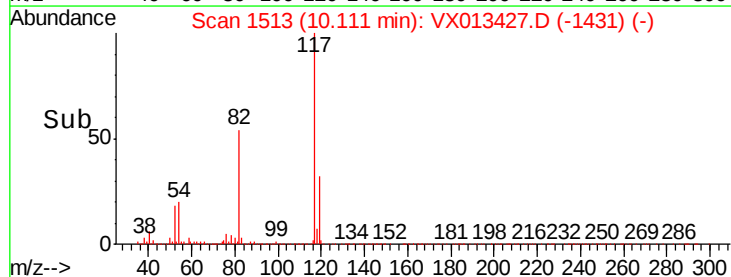
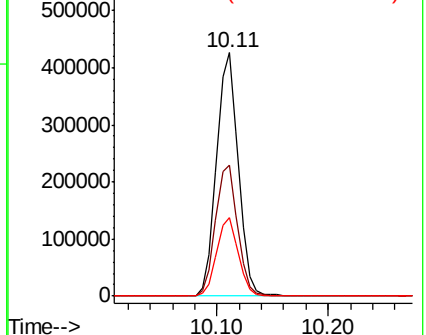
119 31.6 25.5 38.3

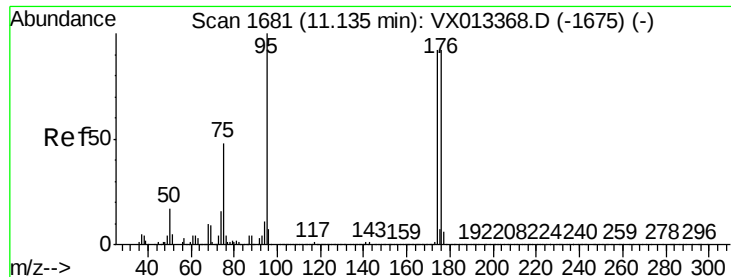


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.716 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

ClientSampled :

REP111319DL

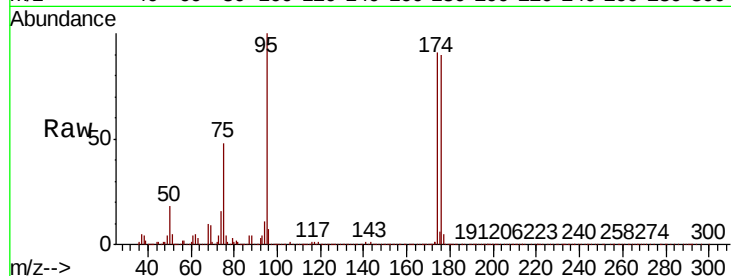
Tot Ion: 95 Resp: 257076

Ion Ratio Lower Upper

95 100

174 88.0 70.2 105.2

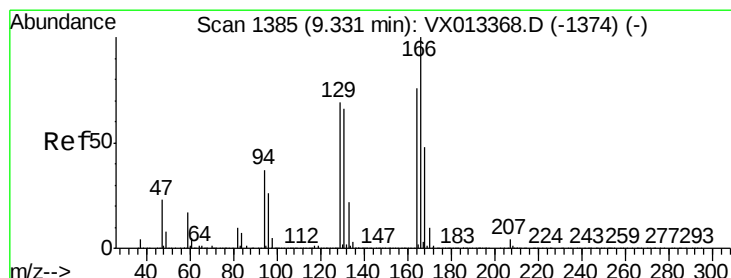
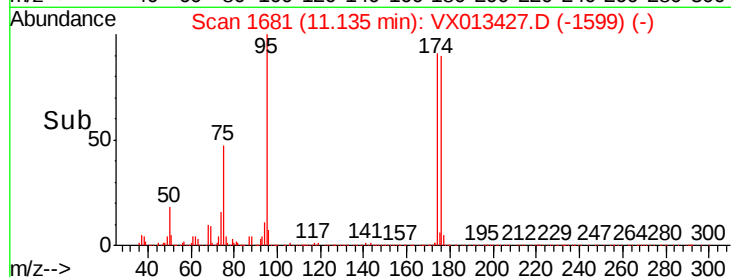
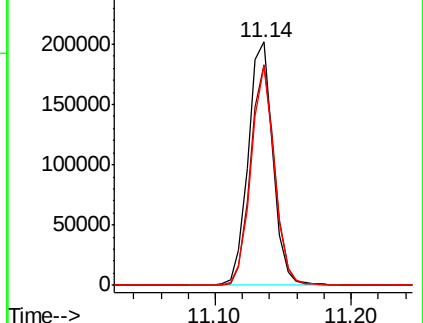
176 85.8 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#61

Tetrachloroethene

Concen: 1.519 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Tgt Ion:164 Resp: 10809

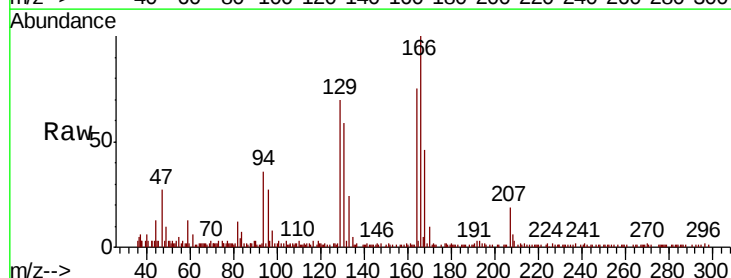
Ion Ratio Lower Upper

164 100

166 133.2 104.9 157.3

129 92.0 72.3 108.5

131 79.0 69.0 103.6

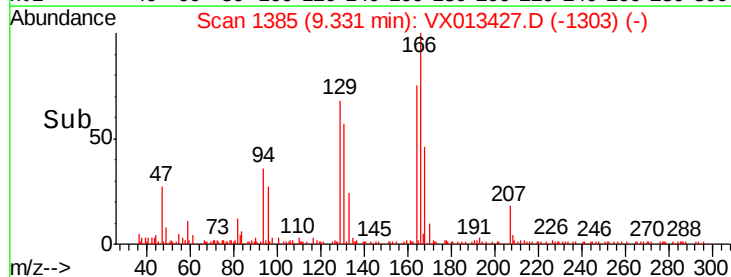
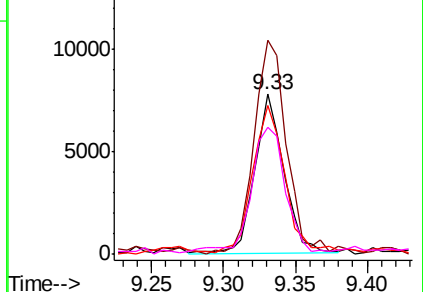


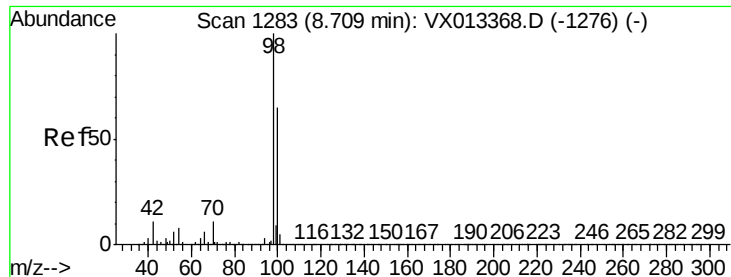
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#63

Toluene-d8

Concen: 30.349 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013427.D

Acq: 14 Nov 2019 17:09

Instrument :

MSVOA_X

ClientSampleId :

REP111319DL

Tot Ion: 98 Resp: 791972

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

