

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013426.D
 Acq On : 14 Nov 2019 16:46
 Operator : JC/SP
 Sample : K5828-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2DL

Quant Time: Nov 15 04:51:24 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	118366	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	644339	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	574613	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	257109	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	11.14	95	250321	27.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.33%
63) Toluene-d8	8.71	98	769603	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

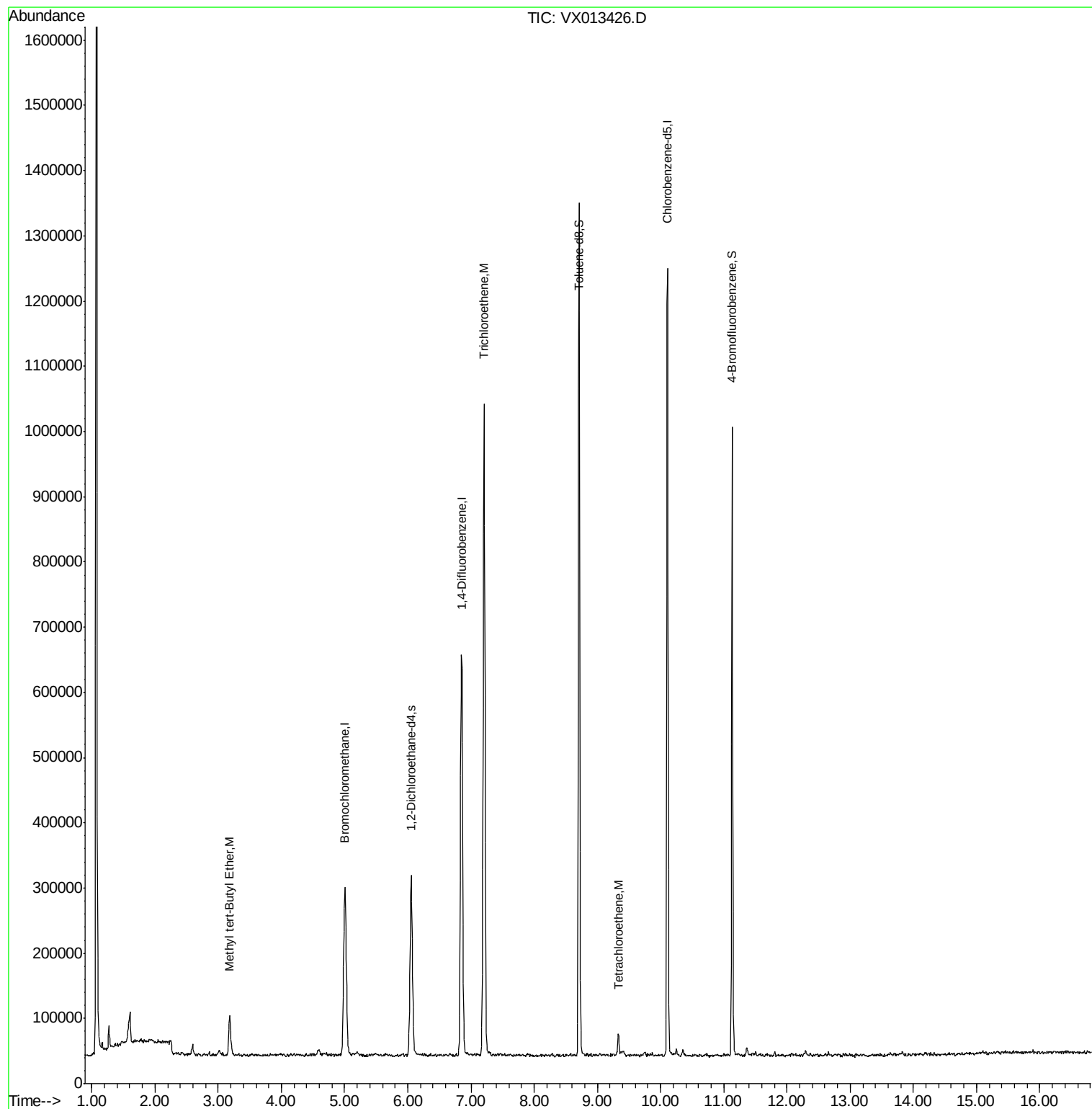
					Ovalue	
24) Methyl tert-Butyl Ether	3.19	73	69113	2.857	ug/l	98
37) Trichloroethene	7.21	130	398379	49.815	ug/l	98
61) Tetrachloroethene	9.34	164	6821	0.963	ug/l #	84

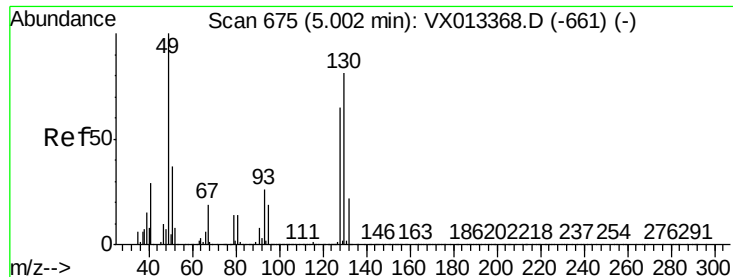
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013426.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-57A-2DL

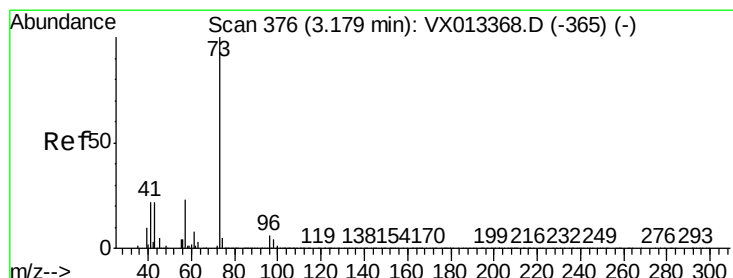
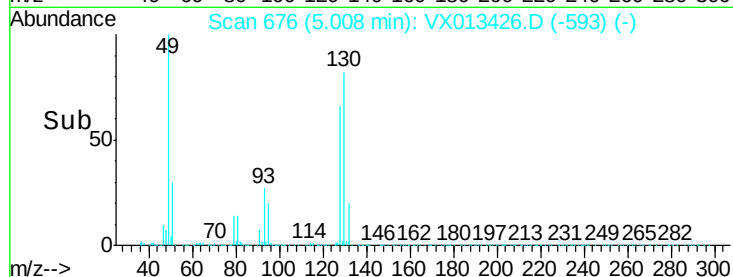
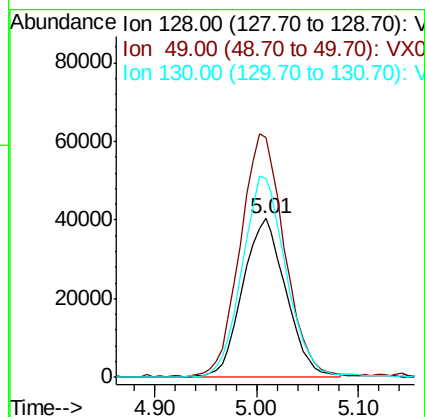
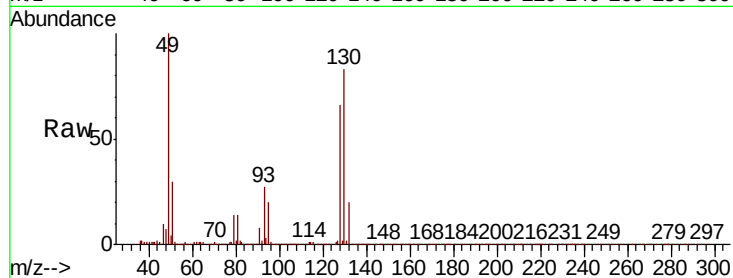
Tot Ion:128 Resp: 118366

Ion Ratio Lower Upper

128 100

49 155.8 0.0 388.3

130 127.9 0.0 318.5



#24

Methyl tert-Butyl Ether

Concen: 2.857 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.01 min

Lab File: VX013426.D

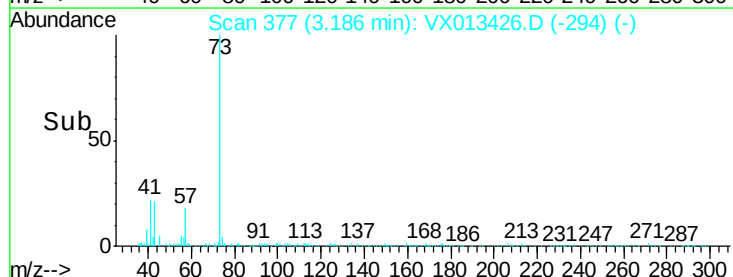
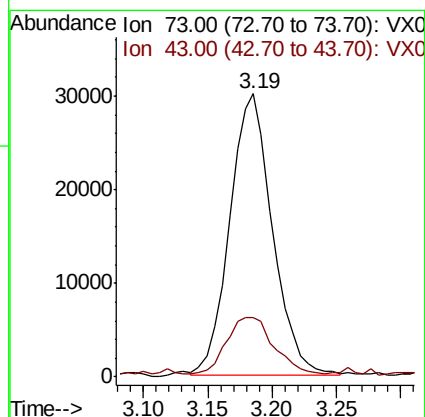
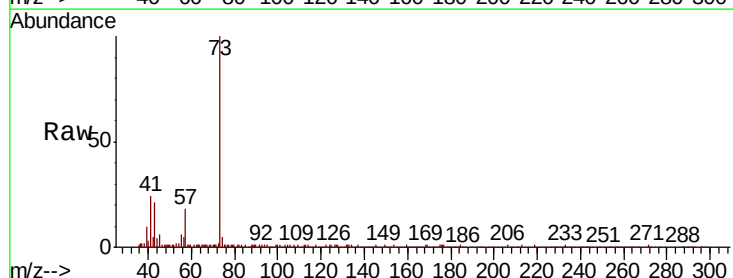
Acq: 14 Nov 2019 16:46

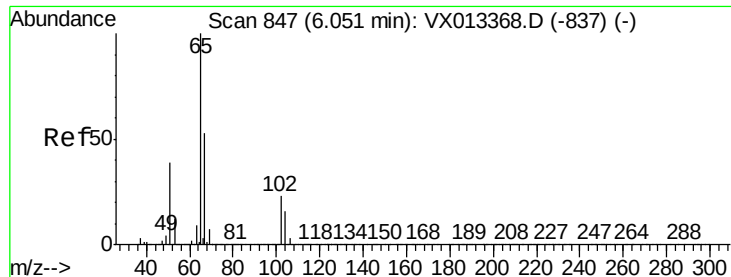
Tgt Ion: 73 Resp: 69113

Ion Ratio Lower Upper

73 100

43 22.4 17.0 25.6

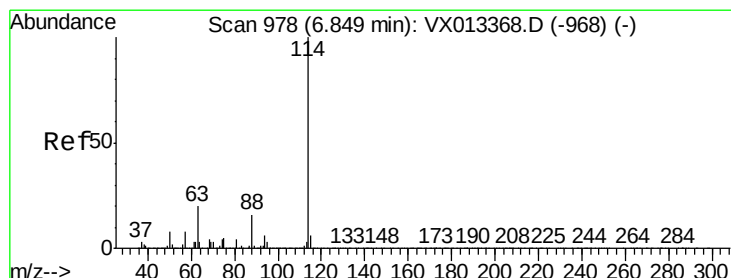
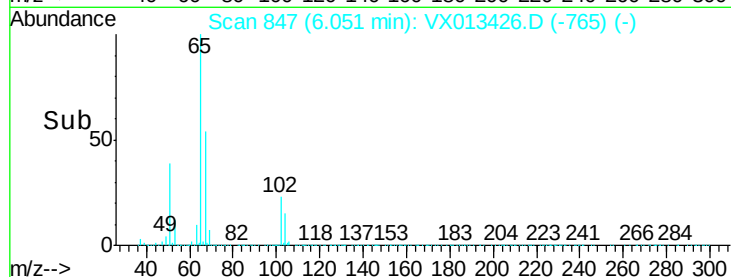
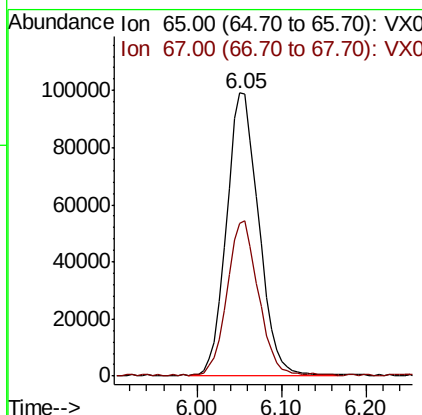
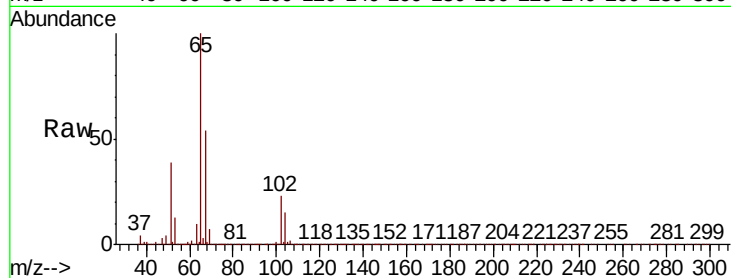




#27
 1,2-Dichloroethane-d4
 Concen: 29.416 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

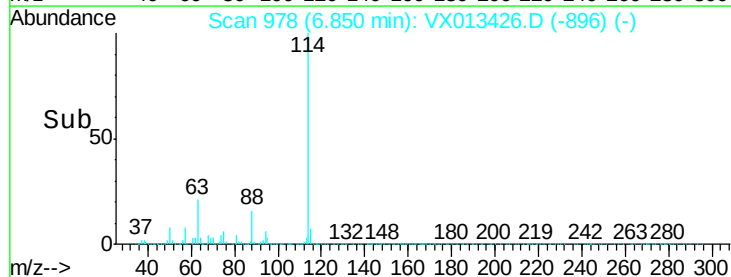
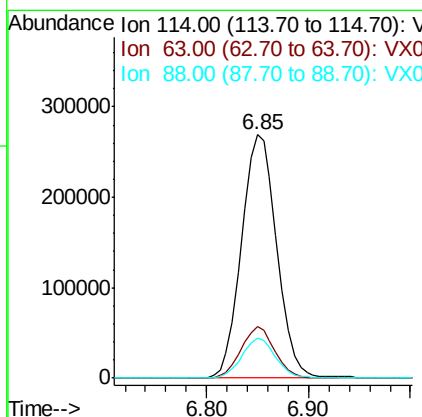
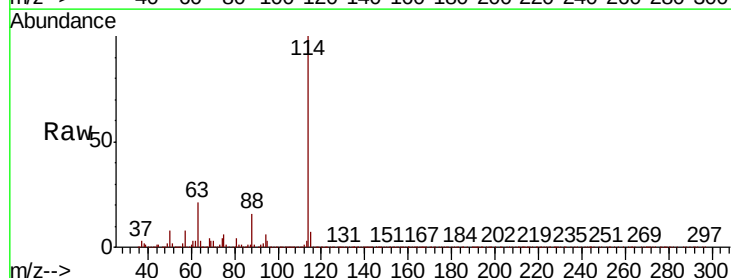
Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2DL

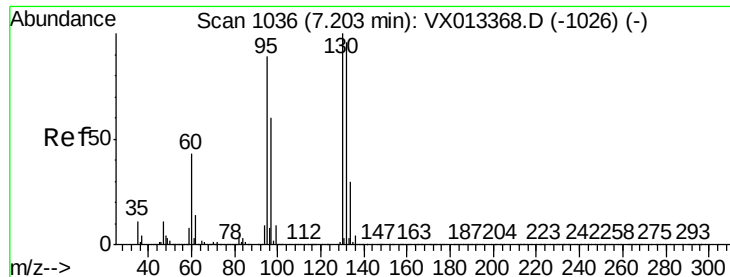
Tot Ion: 65 Resp: 257109
 Ion Ratio Lower Upper
 65 100
 67 53.2 41.0 61.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Tgt Ion: 114 Resp: 644339
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 15.8 12.3 18.5

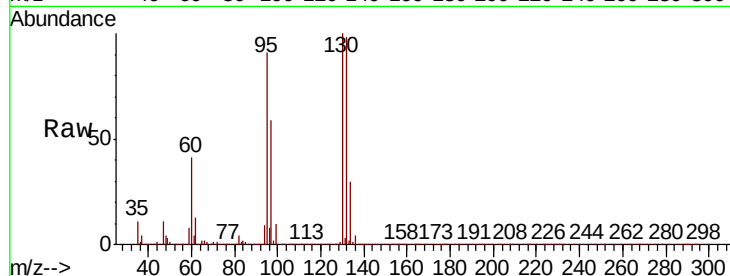




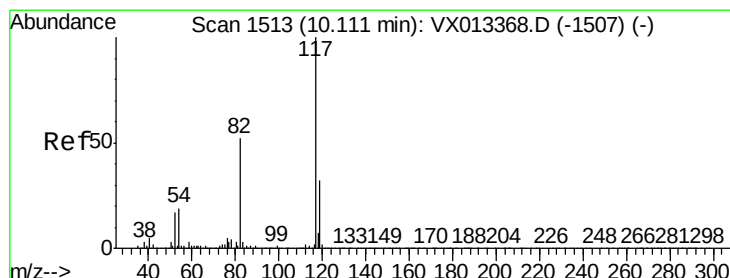
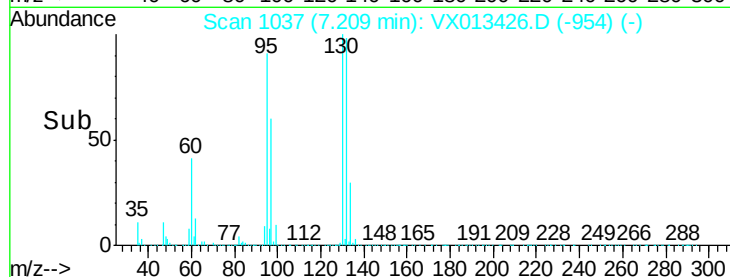
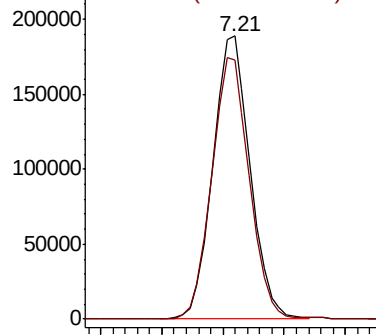
#37
 Trichloroethene
 Concen: 49.815 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2DL

Tot Ion:130 Resp: 398379
 Ion Ratio Lower Upper
 130 100
 95 91.2 71.3 106.9

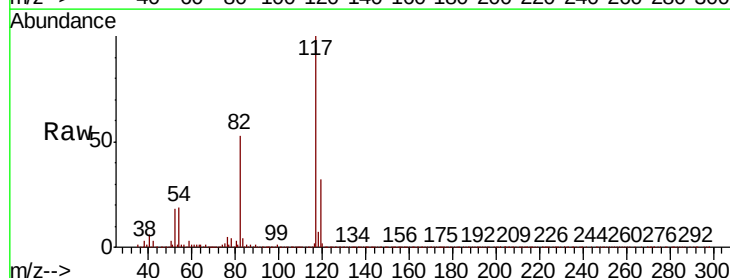


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

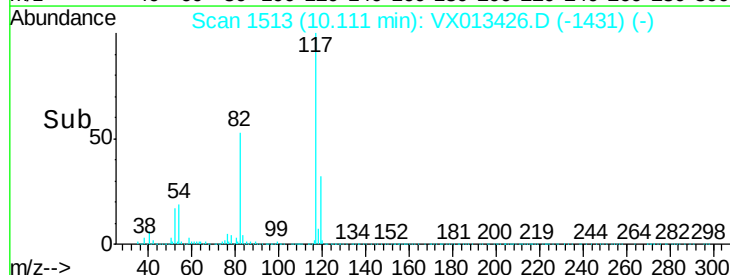
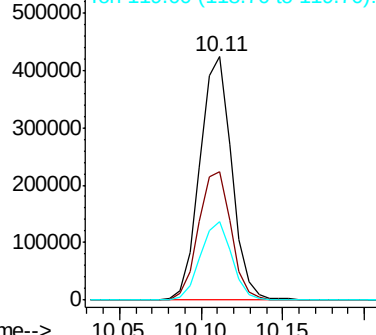


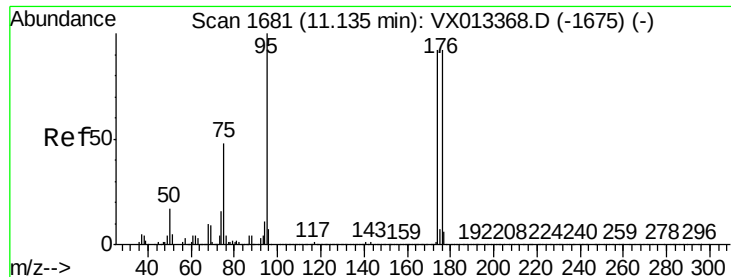
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX013426.D
 Acq: 14 Nov 2019 16:46

Tgt Ion:117 Resp: 574613
 Ion Ratio Lower Upper
 117 100
 82 54.0 43.7 65.5
 119 32.0 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: 27.104 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-57A-2DL

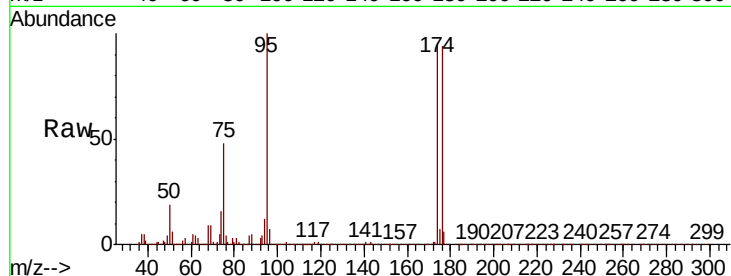
Tot Ion: 95 Resp: 250321

Ion Ratio Lower Upper

95 100

174 90.2 70.2 105.2

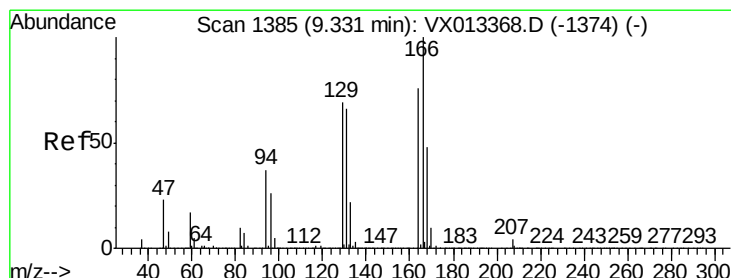
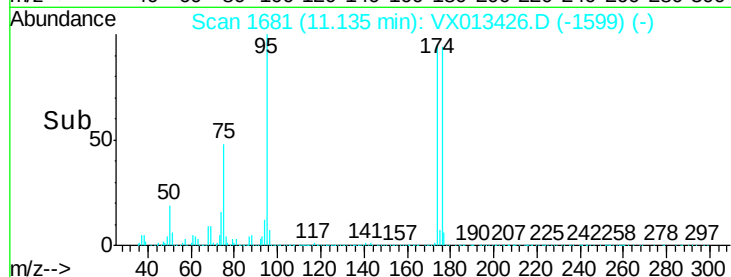
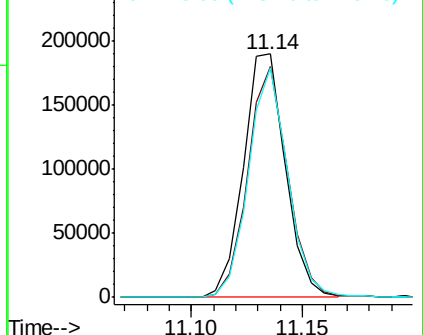
176 88.1 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX013368.D (-1675) (-)

Ion 174.00 (173.70 to 174.70): VX013368.D (-1675) (-)

Ion 176.00 (175.70 to 176.70): VX013368.D (-1675) (-)



#61

Tetrachloroethene

Concen: 0.963 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

Tgt Ion: 164 Resp: 6821

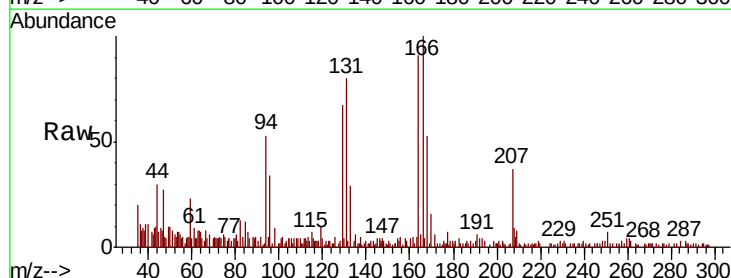
Ion Ratio Lower Upper

164 100

166 105.8 104.9 157.3

129 70.1 72.3 108.5#

131 86.6 69.0 103.6

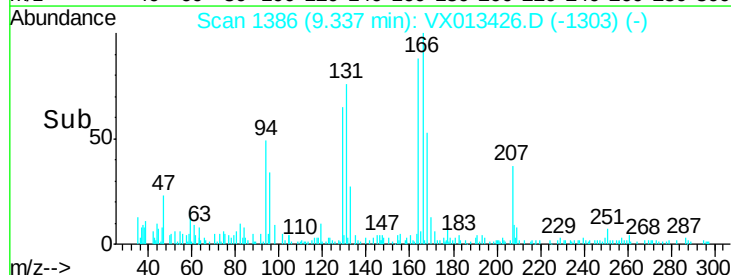
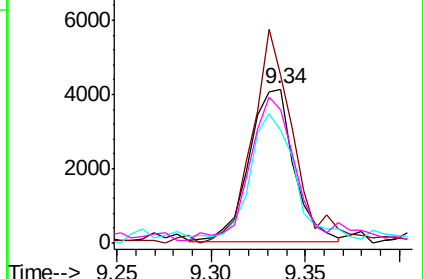


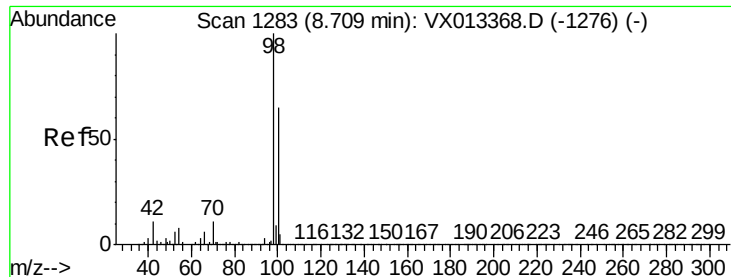
Abundance Ion 163.85 (163.55 to 164.55): VX013368.D (-1374) (-)

Ion 165.80 (165.50 to 166.50): VX013368.D (-1374) (-)

Ion 128.90 (128.60 to 129.60): VX013368.D (-1374) (-)

Ion 130.90 (130.60 to 131.60): VX013368.D (-1374) (-)





#63

Toluene-d8

Concen: 29.618 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013426.D

Acq: 14 Nov 2019 16:46

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-57A-2DL

Tot Ion: 98 Resp: 769603

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7

