

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013610.D
 Acq On : 26 Nov 2019 19:43
 Operator : JC/SP
 Sample : K6002-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D

Quant Time: Nov 27 04:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

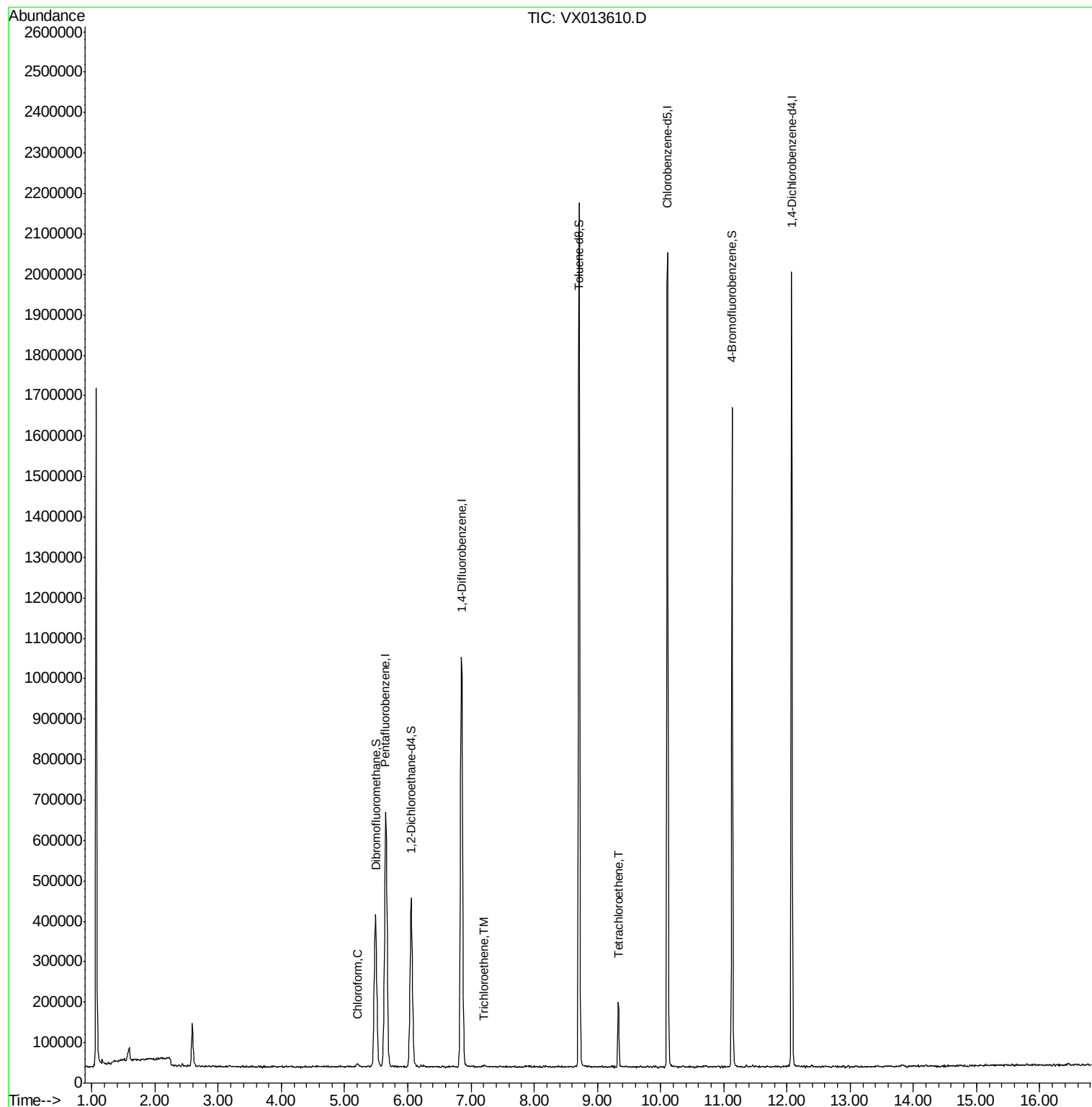
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	660094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1064715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	945207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	425696	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	390343	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
35) Dibromofluoromethane	5.49	113	322288	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
50) Toluene-d8	8.71	98	1267053	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	425083	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
Target Compounds						
30) Chloroform	5.21	83	9757	0.802	ug/l	100
44) Trichloroethene	7.21	130	2400	0.297	ug/l	68
64) Tetrachloroethene	9.33	164	33773	4.791	ug/l	95

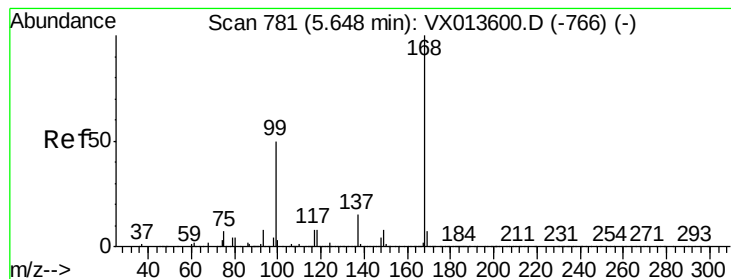
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampled :

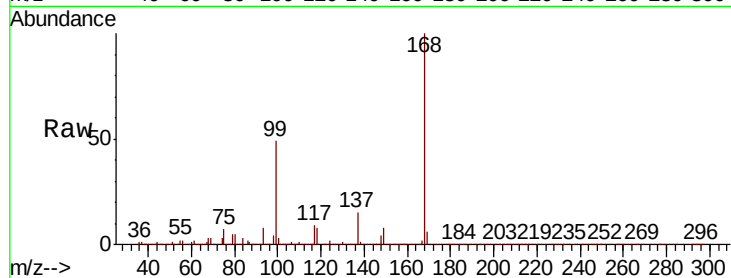
MW-16D

Tot Ion:168 Resp: 660094

Ion Ratio Lower Upper

168 100

99 48.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

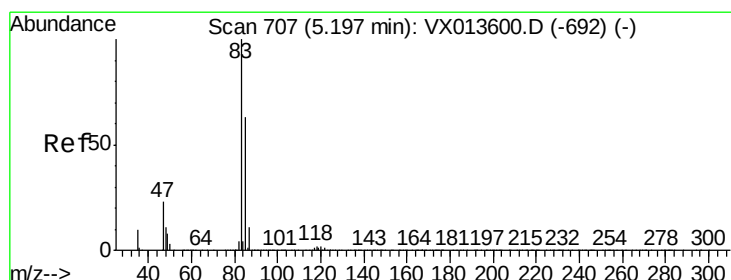
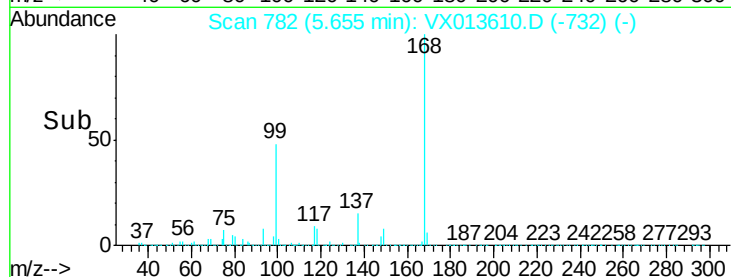
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#30

Chloroform

Concen: 0.802 ug/l

RT: 5.21 min Scan# 709

Delta R.T. 0.01 min

Lab File: VX013610.D

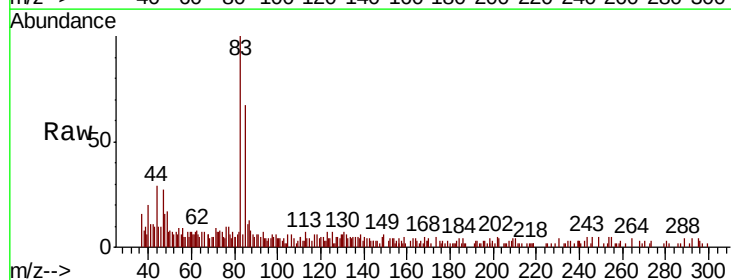
Acq: 26 Nov 2019 19:43

Tgt Ion: 83 Resp: 9757

Ion Ratio Lower Upper

83 100

85 63.0 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.21

4000

3000

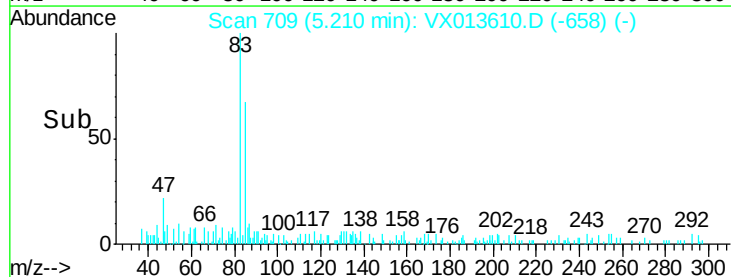
2000

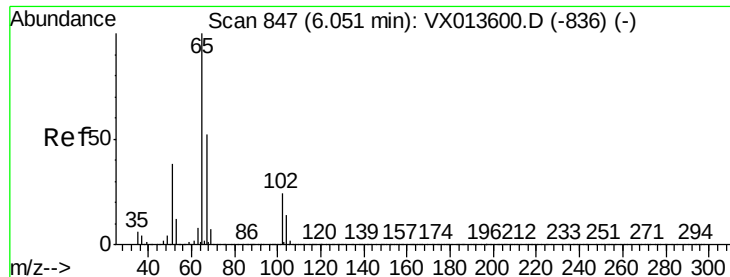
1000

0

Time-->

5.10 5.15 5.20 5.25 5.30





#33

1,2-Dichloroethane-d4

Concen: 50.944 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

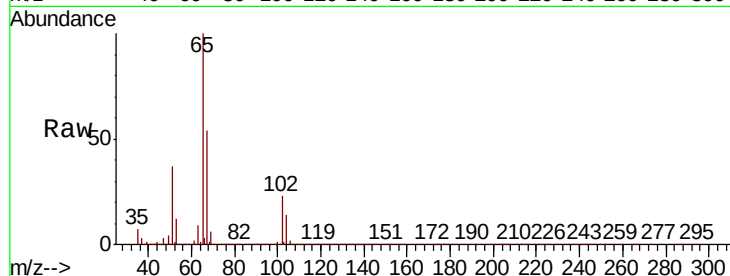
MW-16D

Tot Ion: 65 Resp: 390343

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

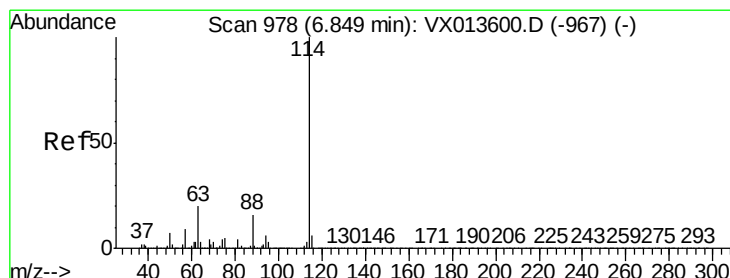
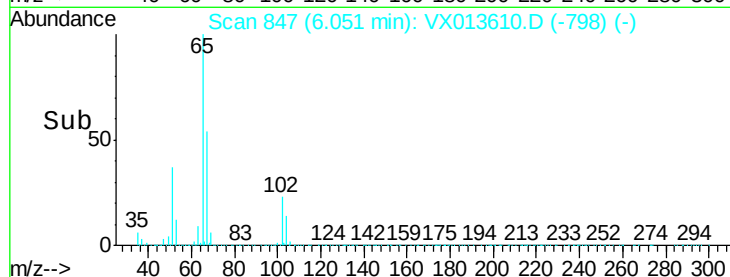
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

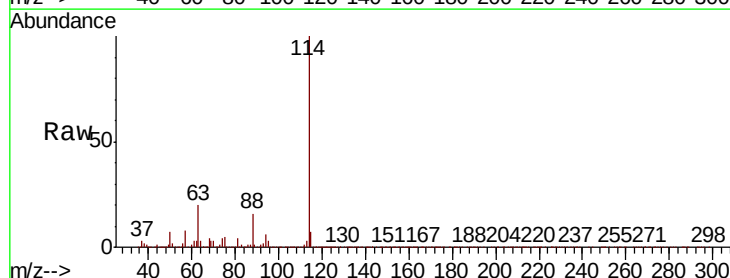
Tgt Ion: 114 Resp: 1064715

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.4 0.0 31.4



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

6.85

600000

500000

400000

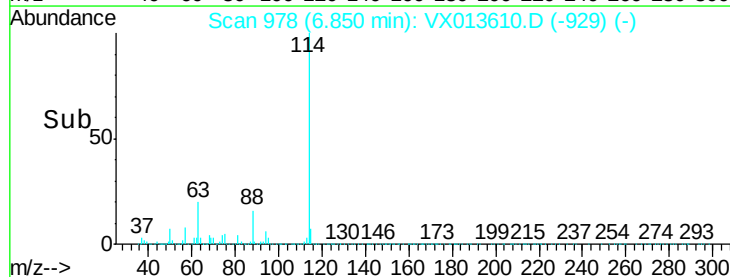
300000

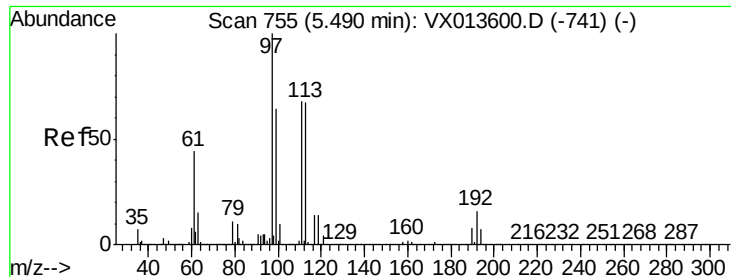
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.964 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampled :

MW-16D

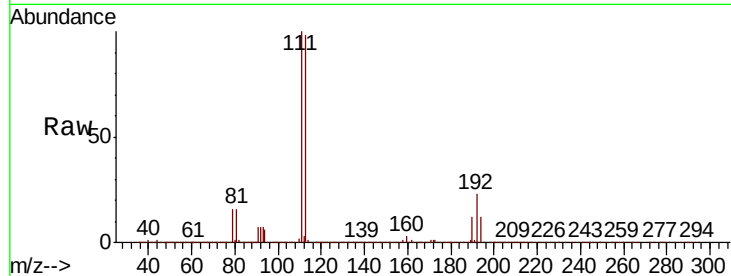
Tot Ion:113 Resp: 322288

Ion Ratio Lower Upper

113 100

111 101.8 83.6 125.4

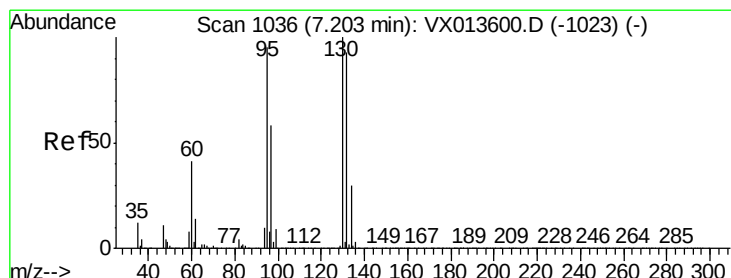
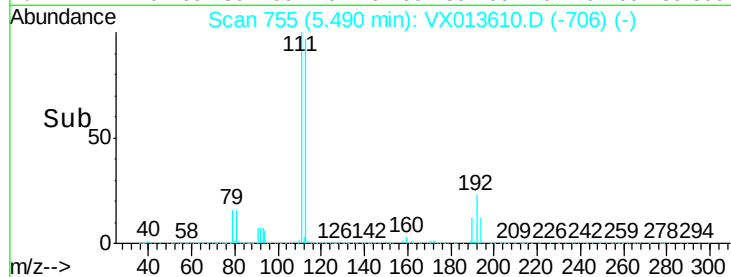
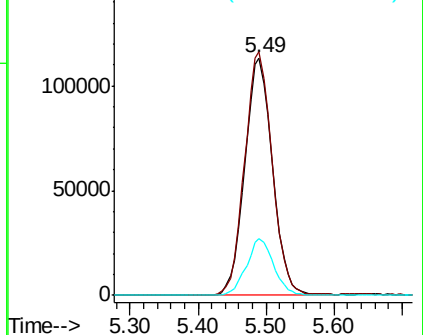
192 23.2 19.2 28.8



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



#44

Trichloroethene

Concen: 0.297 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013610.D

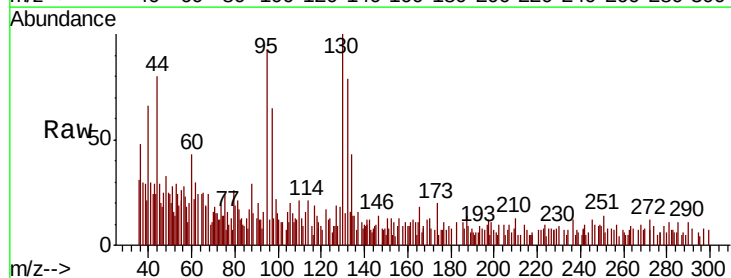
Acq: 26 Nov 2019 19:43

Tgt Ion:130 Resp: 2400

Ion Ratio Lower Upper

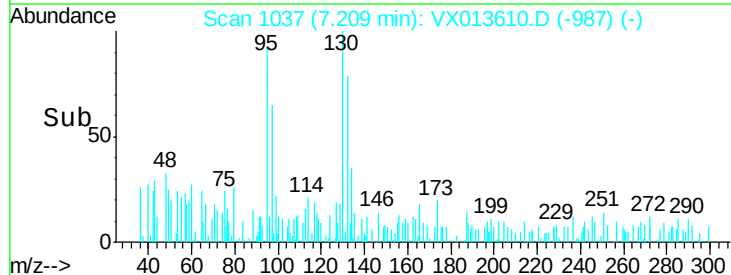
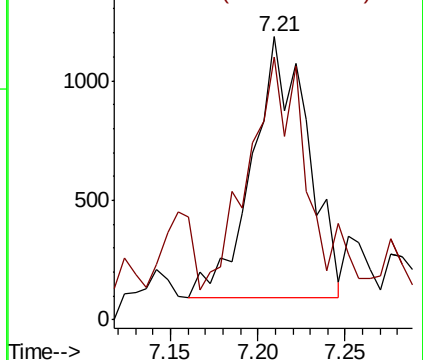
130 100

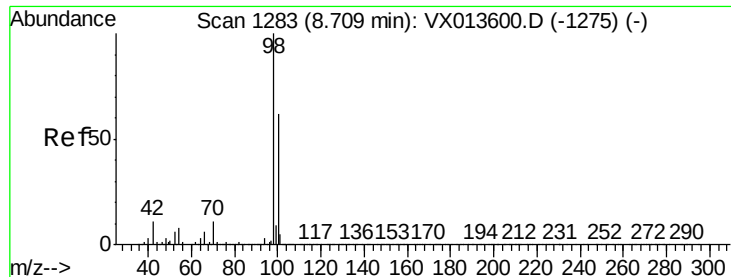
95 63.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.407 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

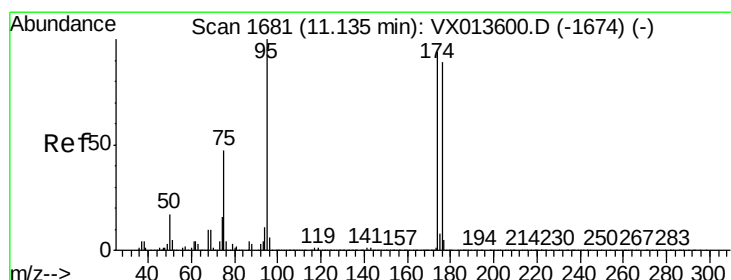
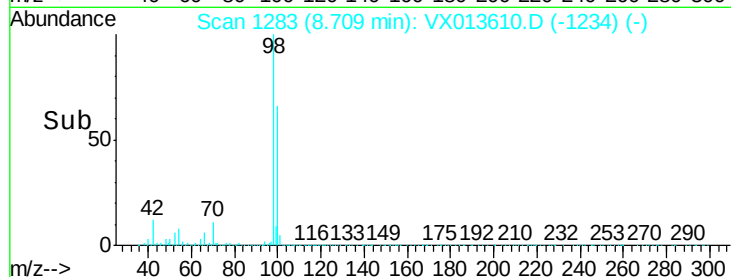
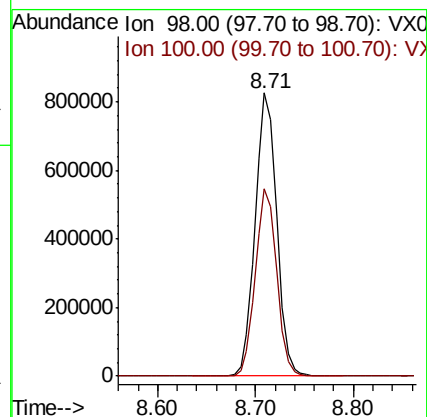
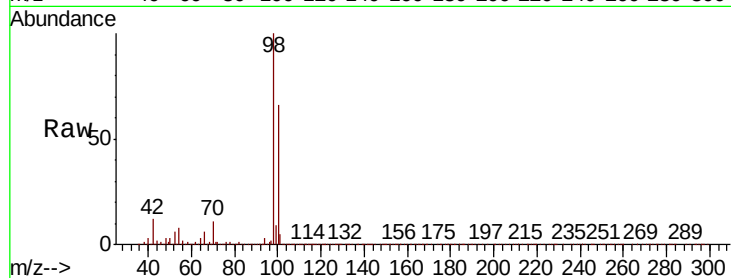
MW-16D

Tot Ion: 98 Resp: 1267053

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.967 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

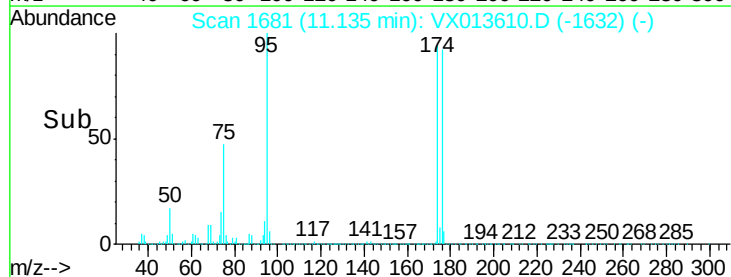
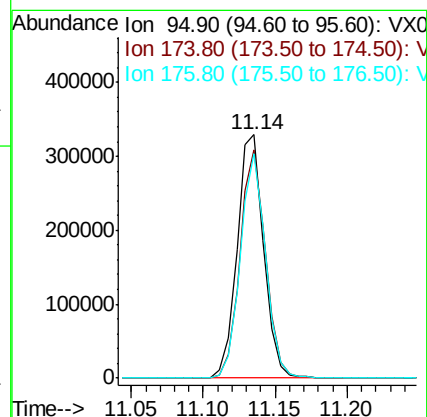
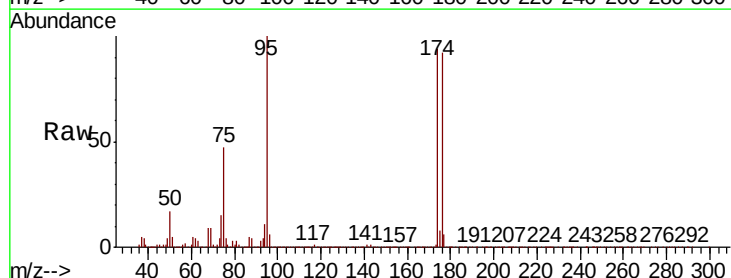
Tgt Ion: 95 Resp: 425083

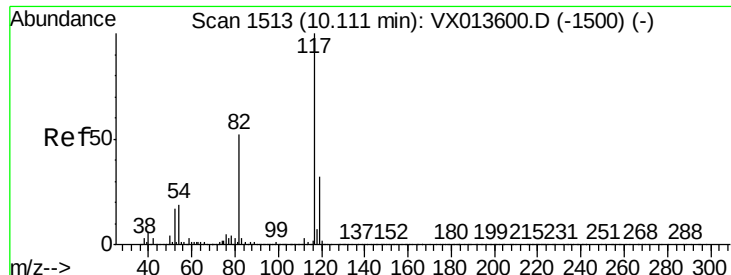
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

176 87.5 0.0 173.6

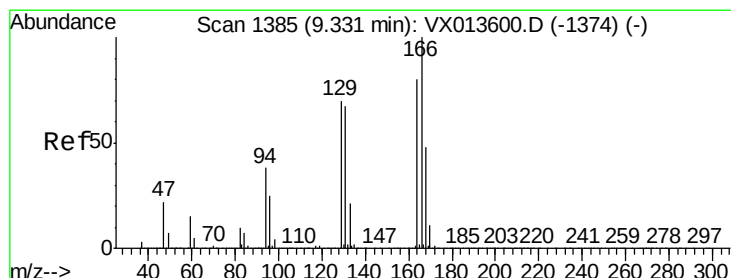
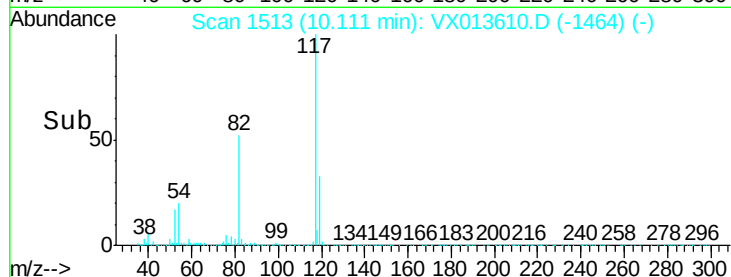
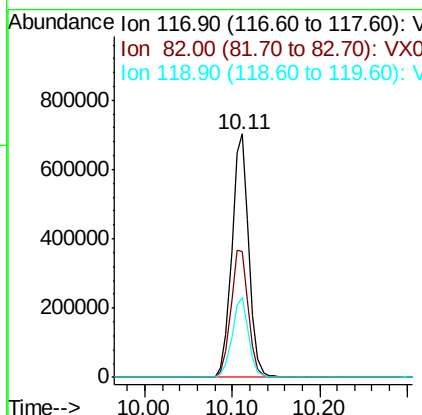
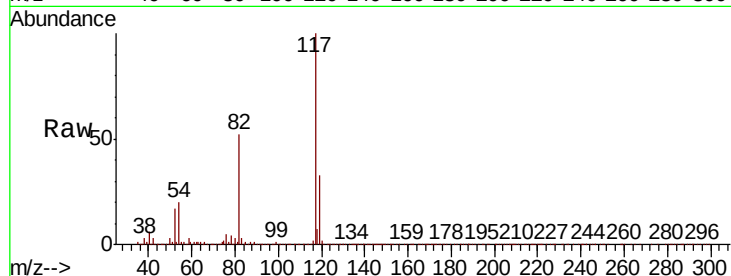




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

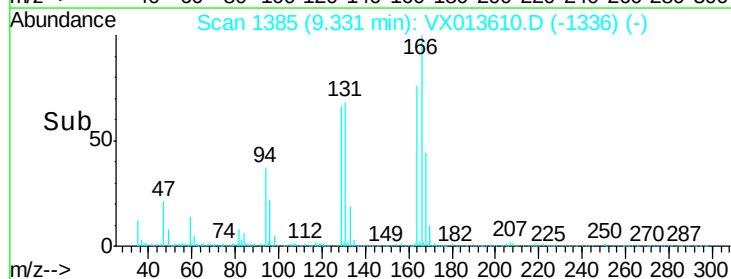
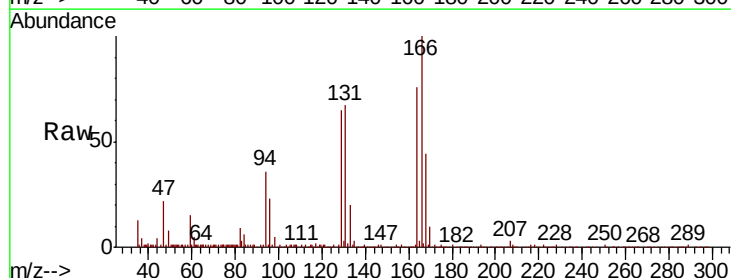
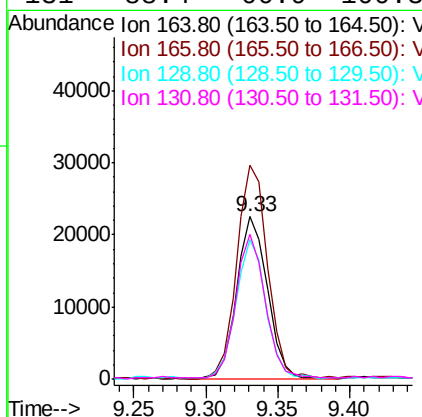
Instrument :
MSVOA_X
ClientSampleId :
MW-16D

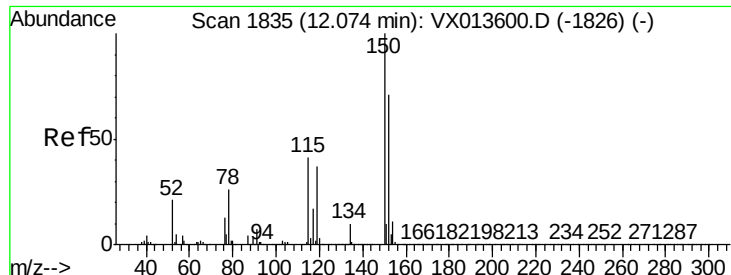
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.8
119	32.8	25.8	38.8



#64
Tetrachloroethene
Concen: 4.791 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	99.7	149.5
129	85.7	70.1	105.1
131	88.4	66.9	100.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

MW-16D

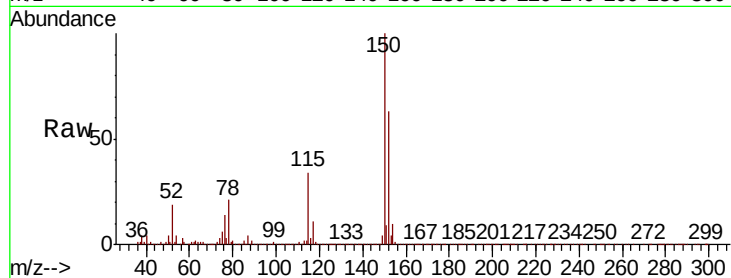
Tot Ion:152 Resp: 425696

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

150 155.5 0.0 346.8



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

