

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013828.D
 Acq On : 07 Dec 2019 03:07
 Operator : JC/SP
 Sample : K6185-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20191205

Quant Time: Dec 07 05:50:52 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

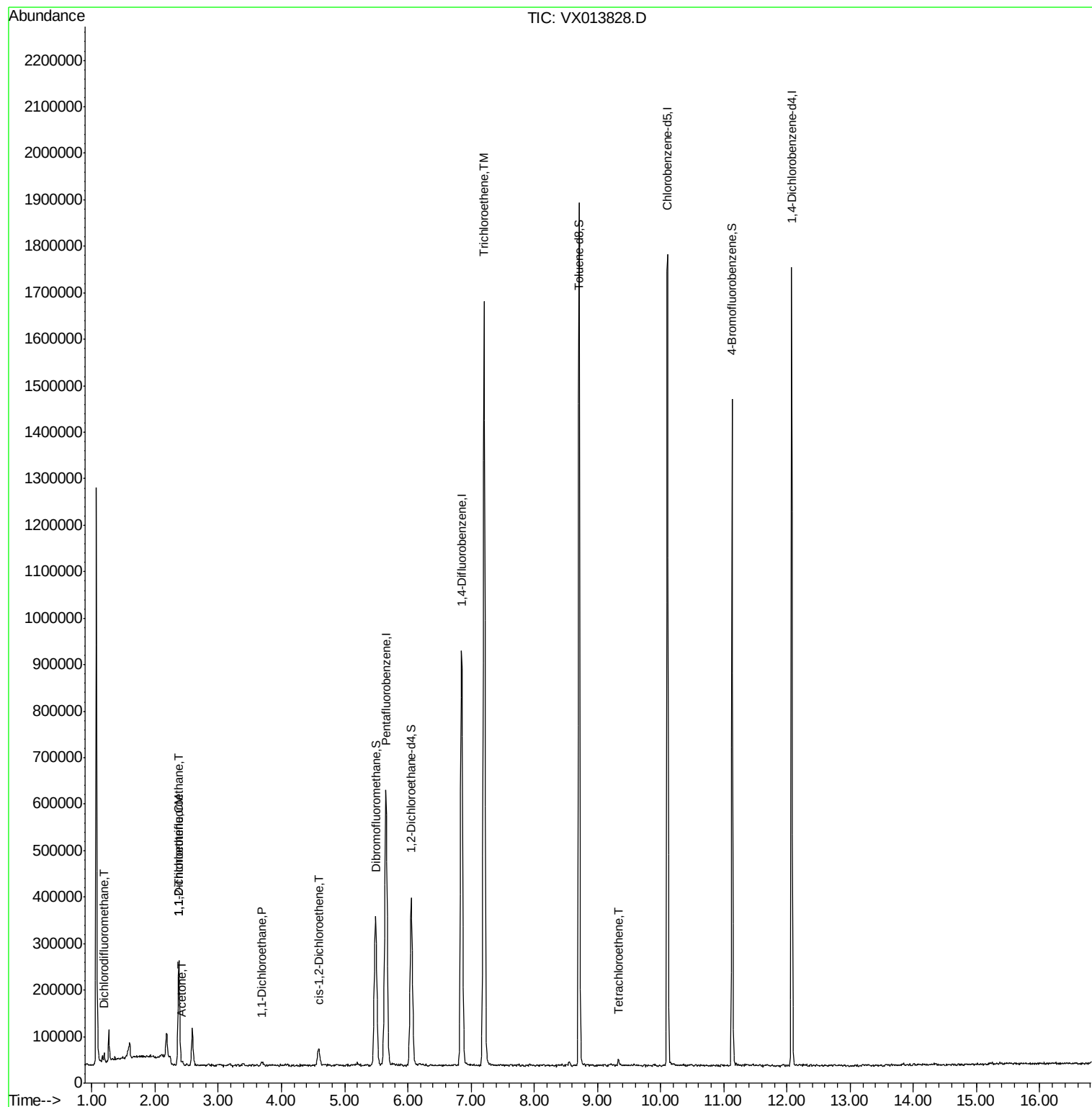
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	610879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	924551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	833171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	360673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	337156	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
35) Dibromofluoromethane	5.49	113	280232	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	1103589	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.14	95	365813	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	8768	1.290	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82775	14.212	ug/l	99
12) 1,1-Dichloroethene	2.37	96	16217	2.790	ug/l	90
16) Acetone	2.43	43	8175	2.335	ug/l	98
24) 1,1-Dichloroethane	3.69	63	9606	0.865	ug/l #	96
27) cis-1,2-Dichloroethene	4.59	96	25024	3.441	ug/l	89
44) Trichloroethene	7.21	130	657234	93.688	ug/l	98
64) Tetrachloroethene	9.33	164	3939	0.634	ug/l	92

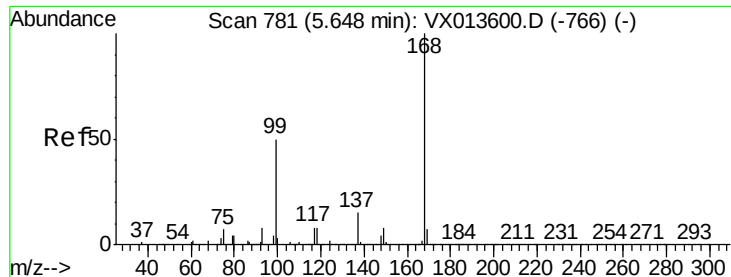
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

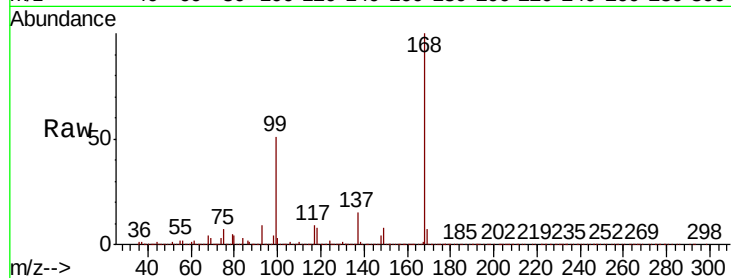
TT101D-20191205

Tot Ion:168 Resp: 610879

Ion Ratio Lower Upper

168 100

99 50.7 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

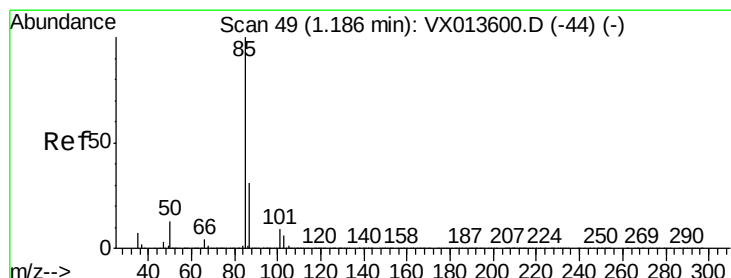
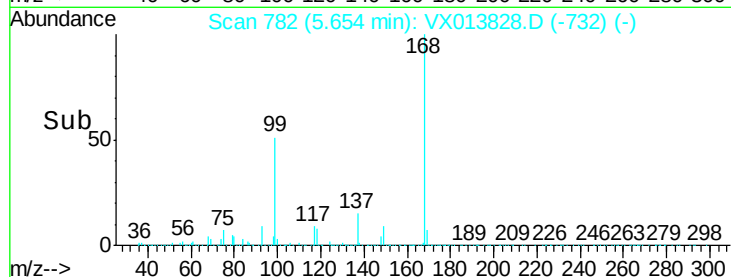
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.290 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013828.D

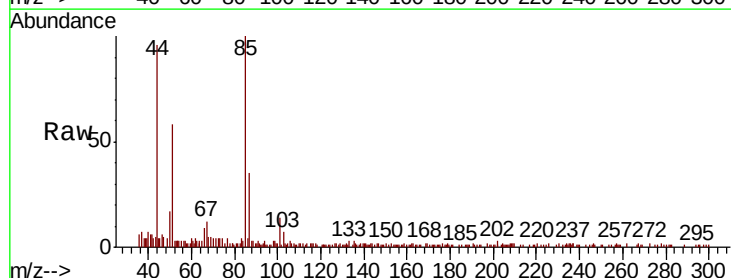
Acq: 07 Dec 2019 03:07

Tgt Ion: 85 Resp: 8768

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

6000

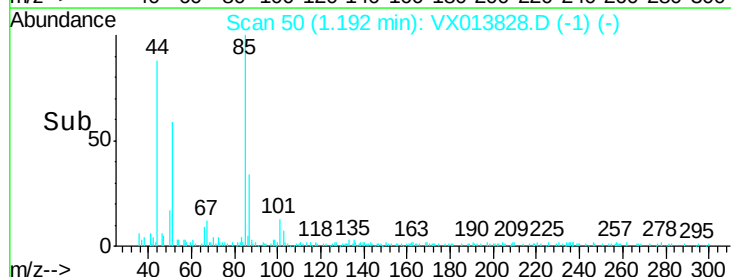
4000

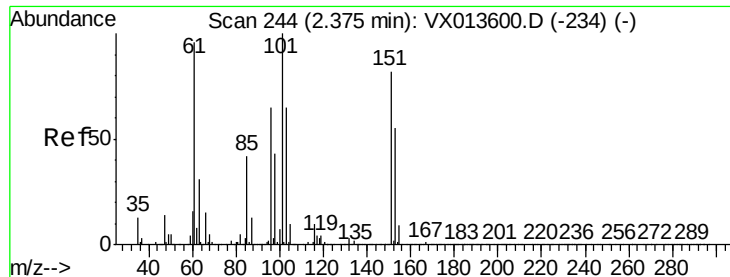
2000

0

Time-->

1.15 1.20 1.25





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.212 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20191205

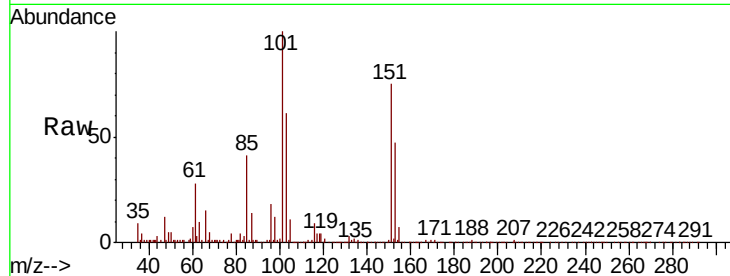
Tot Ion:101 Resp: 82775

Ion Ratio Lower Upper

101 100

85 42.3 33.9 50.9

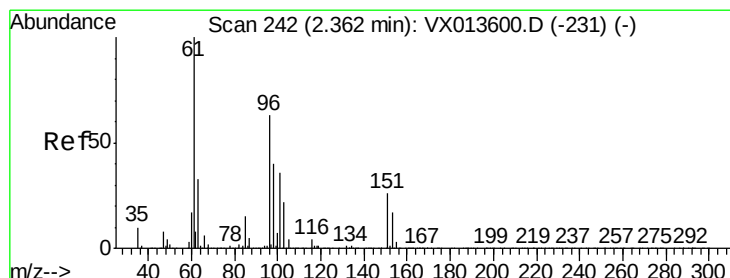
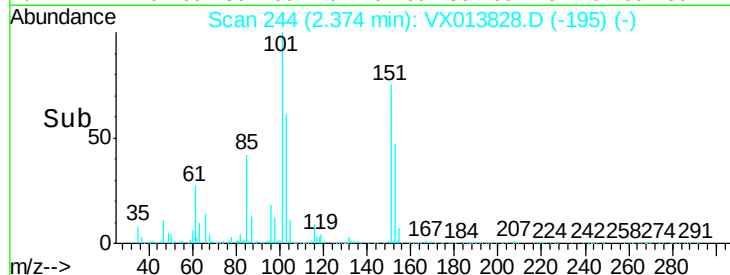
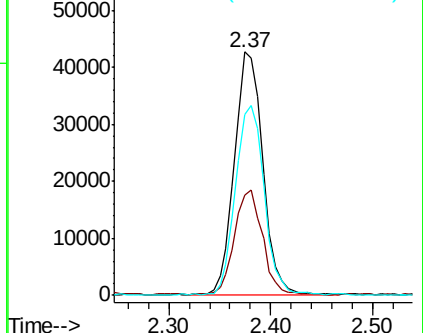
151 79.4 64.2 96.2



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



#12

1,1-Dichloroethene

Concen: 2.790 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

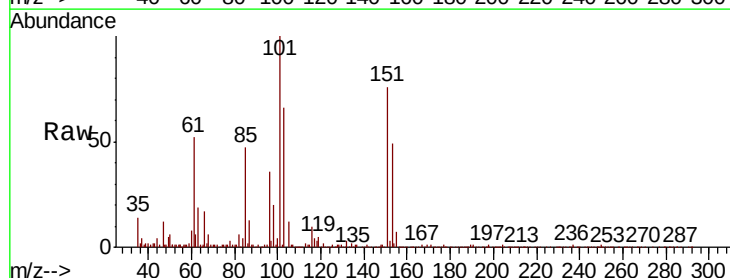
Tgt Ion: 96 Resp: 16217

Ion Ratio Lower Upper

96 100

61 145.2 126.6 190.0

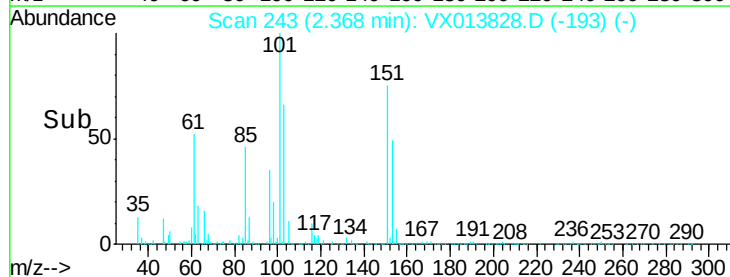
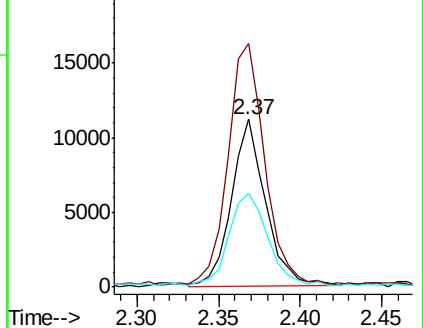
98 56.0 50.6 76.0

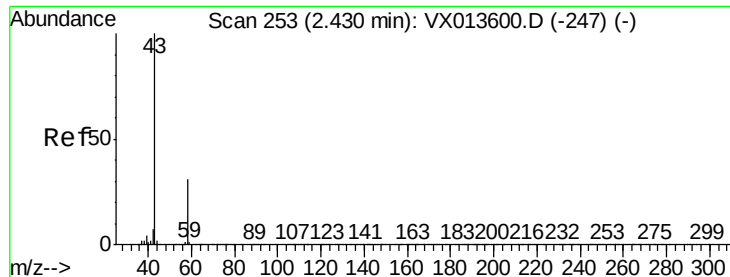


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 2.335 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

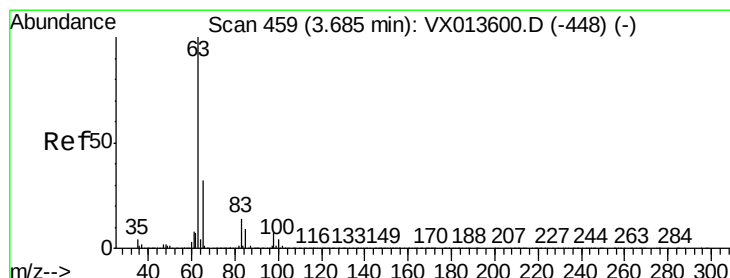
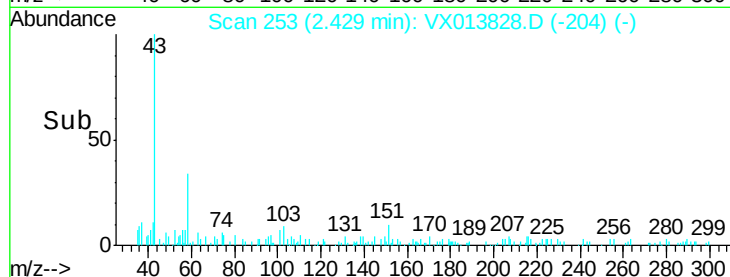
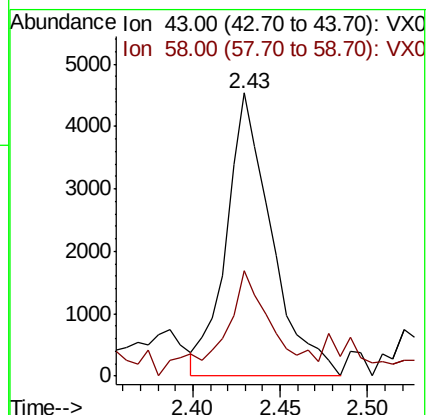
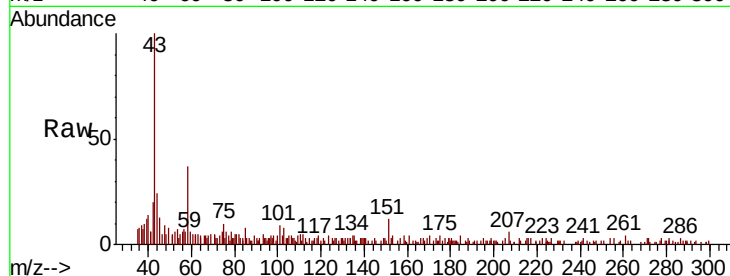
TT101D-20191205

Tot Ion: 43 Resp: 8175

Ion Ratio Lower Upper

43 100

58 29.7 24.6 36.8



#24

1,1-Dichloroethane

Concen: 0.865 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

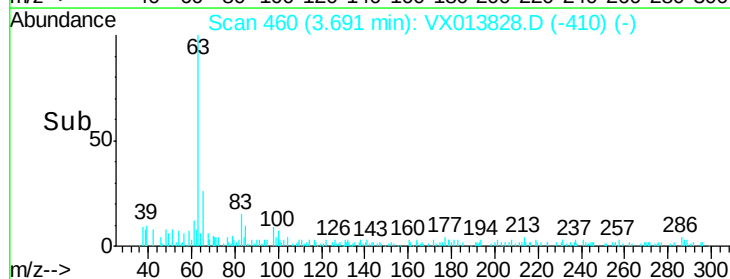
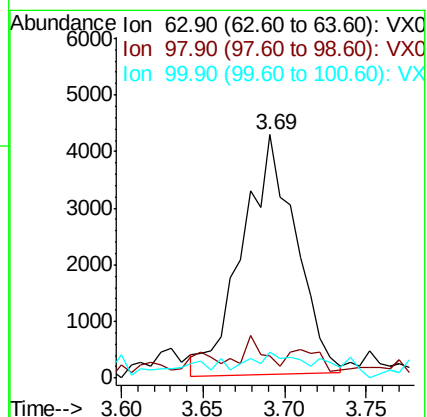
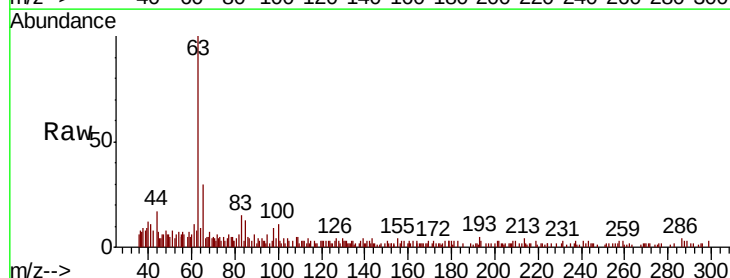
Tgt Ion: 63 Resp: 9606

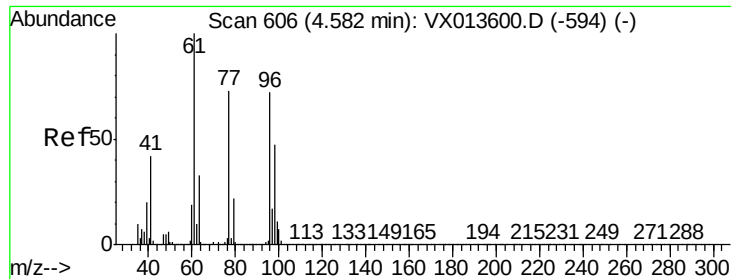
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 6.7 2.1 6.3#

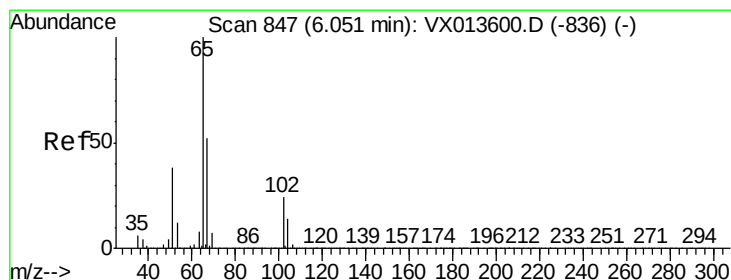
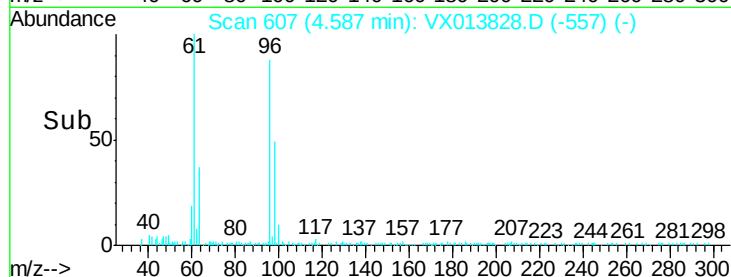
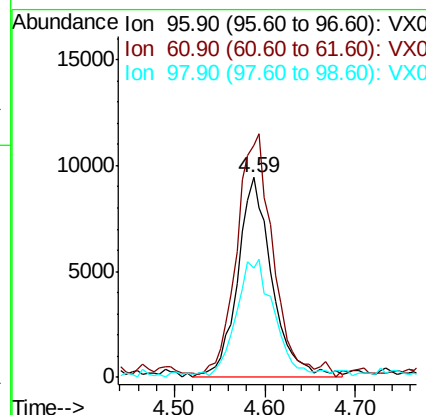
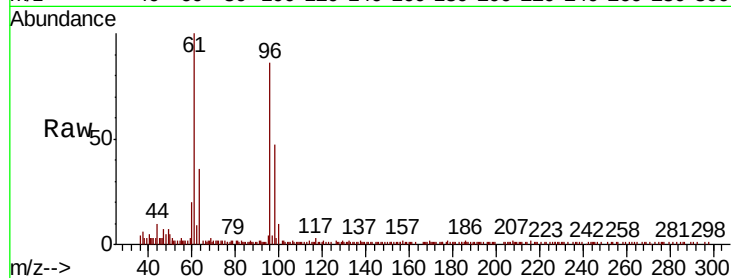




#27
 cis-1,2-Dichloroethene
 Concen: 3.441 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013828.D
 Acq: 07 Dec 2019 03:07

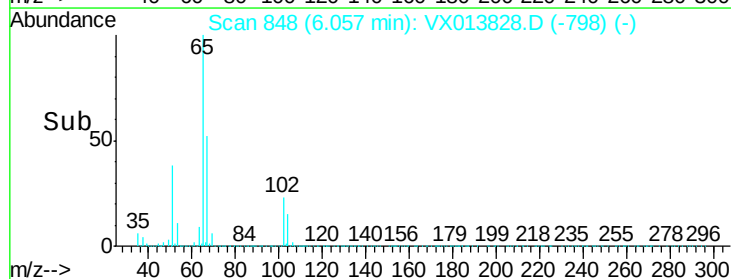
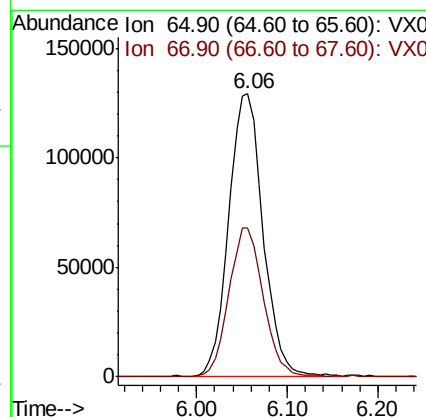
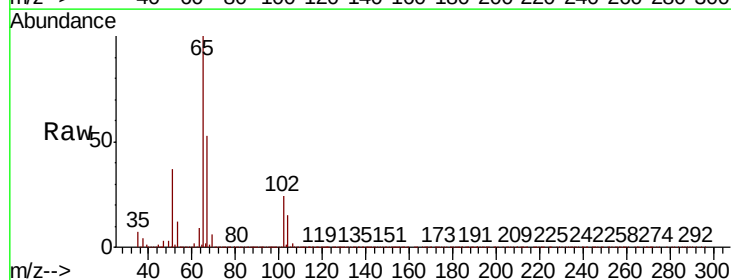
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D-20191205

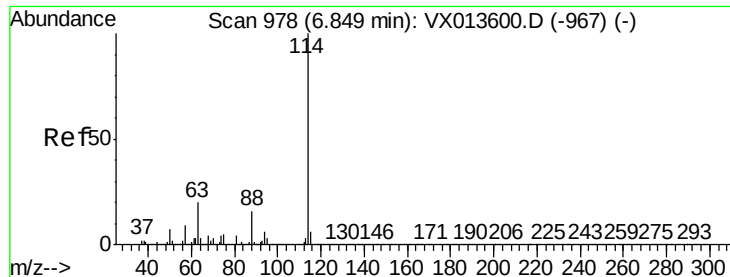
Tot Ion: 96 Resp: 25024
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 286.4
 98 62.3 0.0 127.4



#33
 1,2-Dichloroethane-d4
 Concen: 47.548 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013828.D
 Acq: 07 Dec 2019 03:07

Tgt Ion: 65 Resp: 337156
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20191205

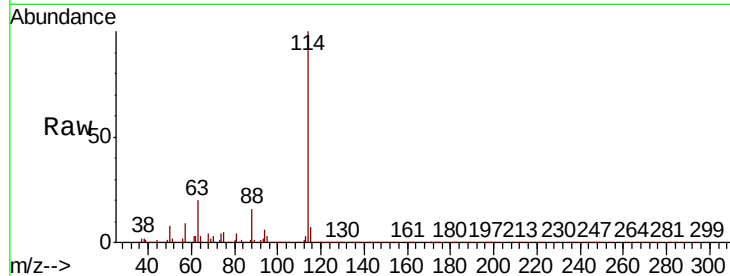
Tot Ion:114 Resp: 924551

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

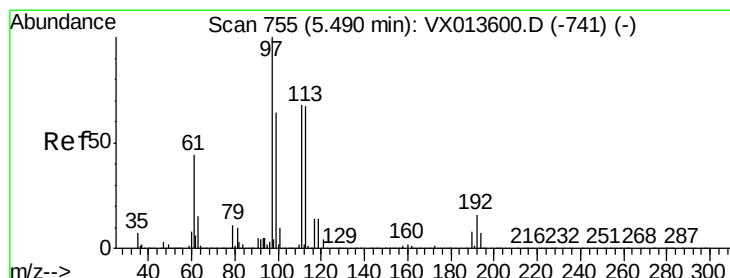
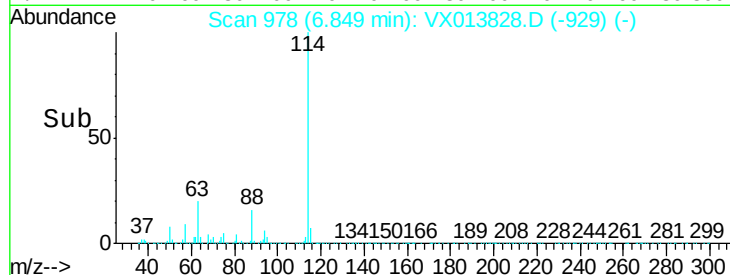
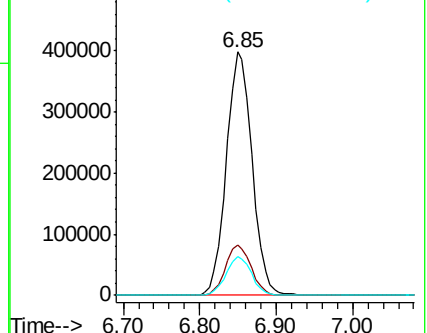
88 15.8 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 49.029 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

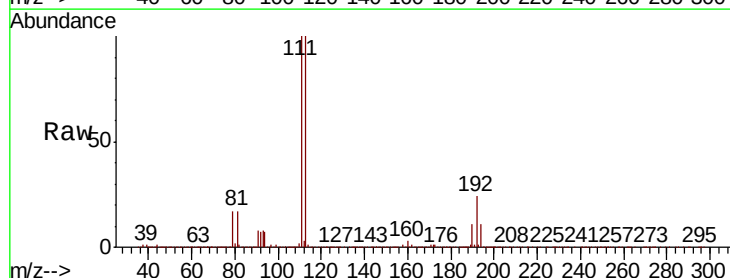
Tgt Ion:113 Resp: 280232

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

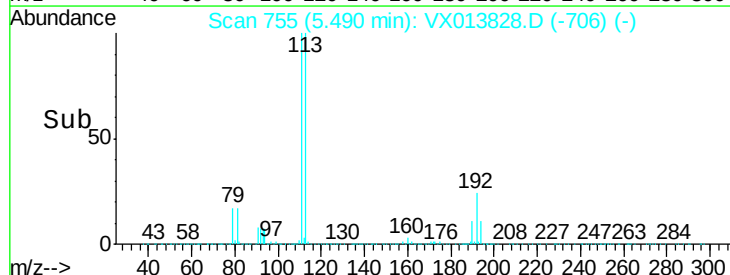
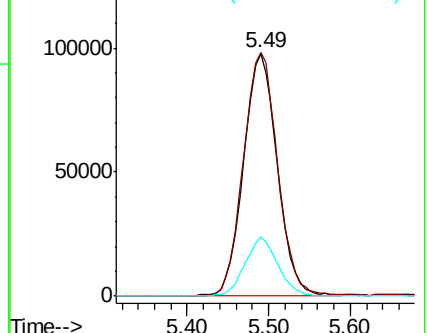
192 23.7 19.2 28.8

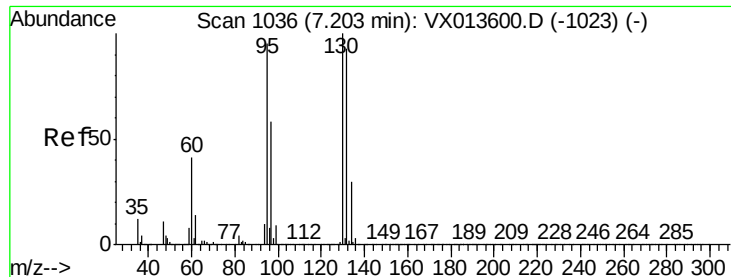


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 93.688 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

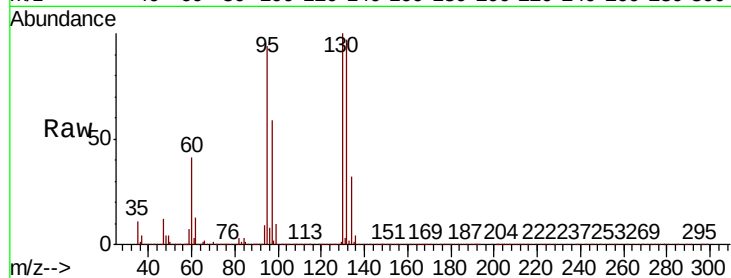
TT101D-20191205

Tot Ion:130 Resp: 657234

Ion Ratio Lower Upper

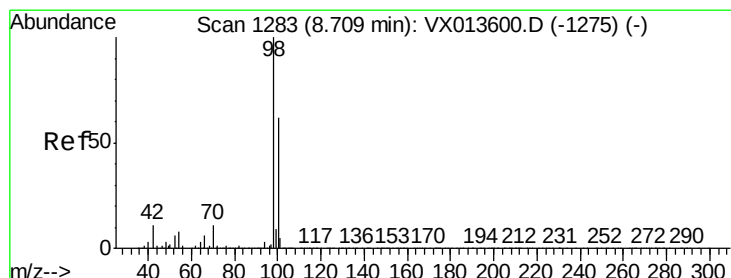
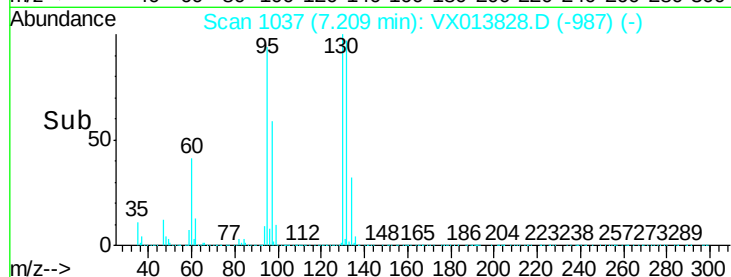
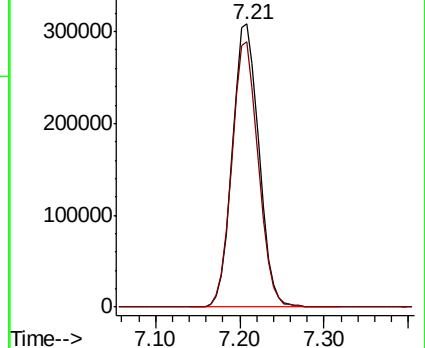
130 100

95 93.8 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: 49.557 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013828.D

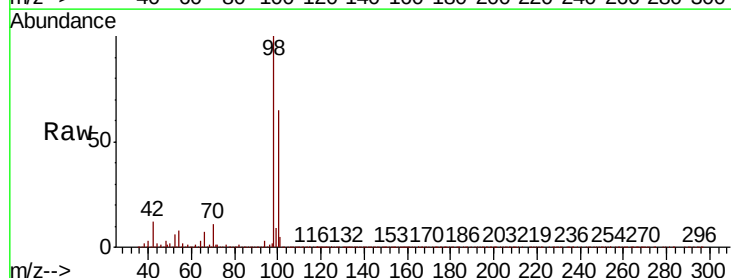
Acq: 07 Dec 2019 03:07

Tgt Ion: 98 Resp: 1103589

Ion Ratio Lower Upper

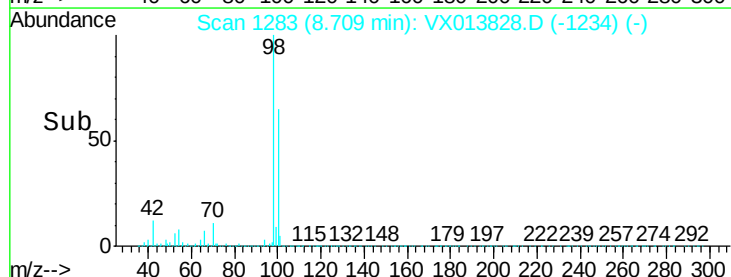
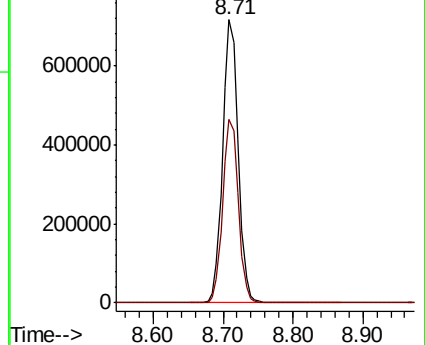
98 100

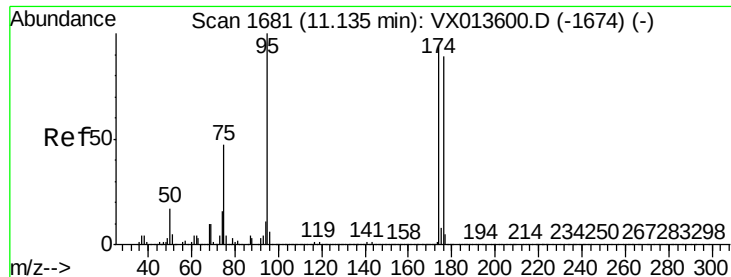
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.554 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D-20191205

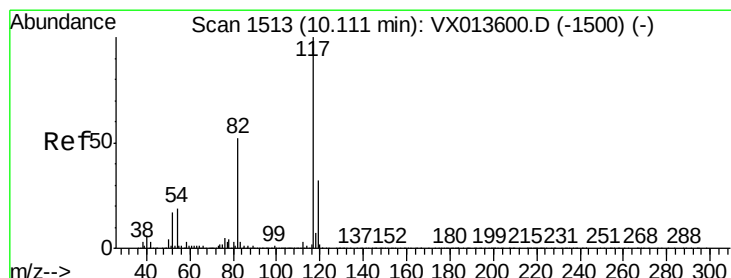
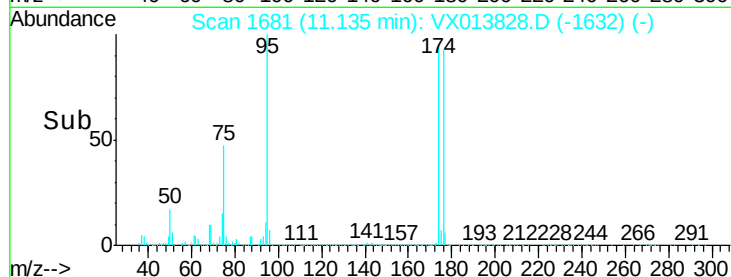
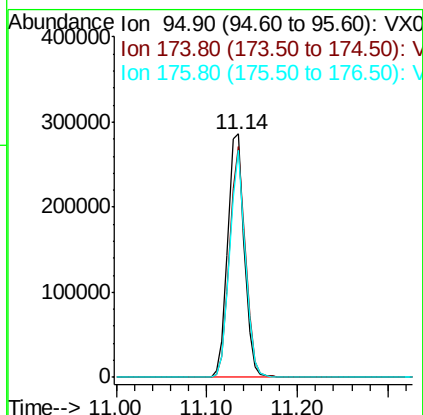
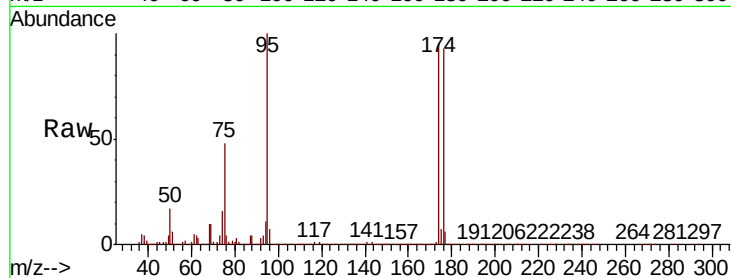
Tot Ion: 95 Resp: 365813

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.0

176 87.9 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: VX013828.D

Acq: 07 Dec 2019 03:07

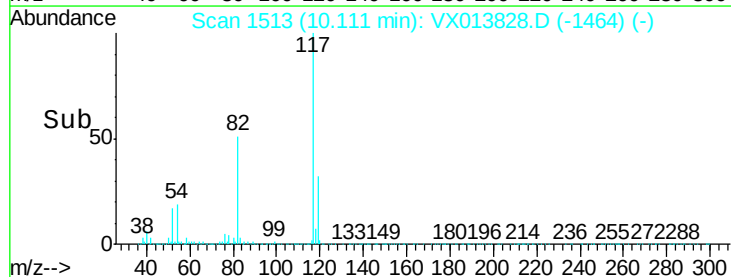
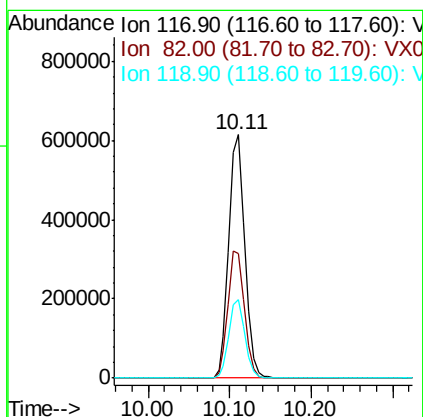
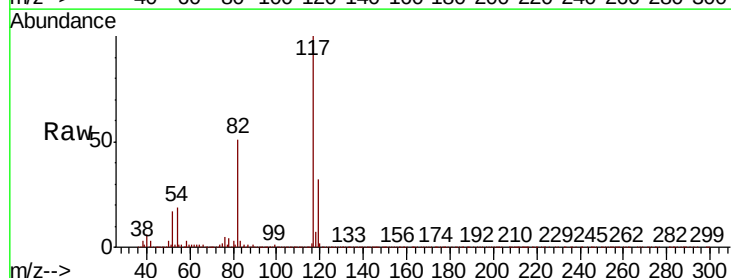
Tgt Ion: 117 Resp: 833171

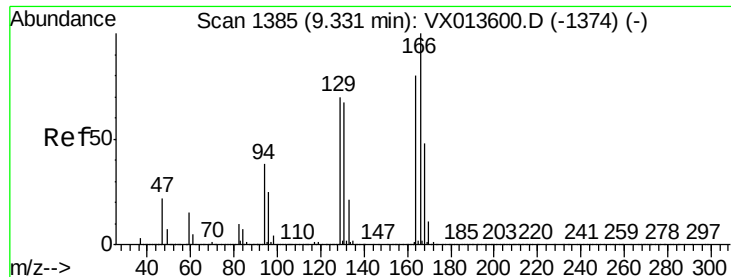
Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

119 32.1 25.8 38.8





#64

Tetrachloroethene

Concen: 0.634 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion:164 Resp: 3939

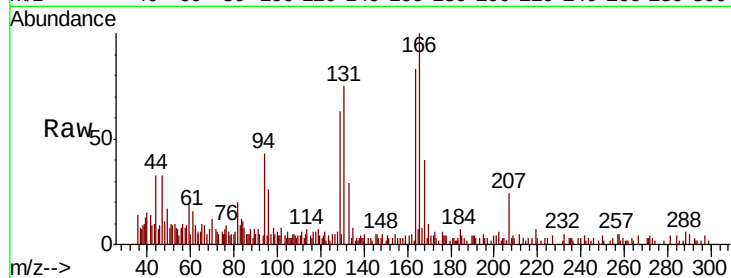
Ion Ratio Lower Upper

164 100

166 118.2 99.7 149.5

129 71.1 70.1 105.1

131 84.1 66.9 100.3

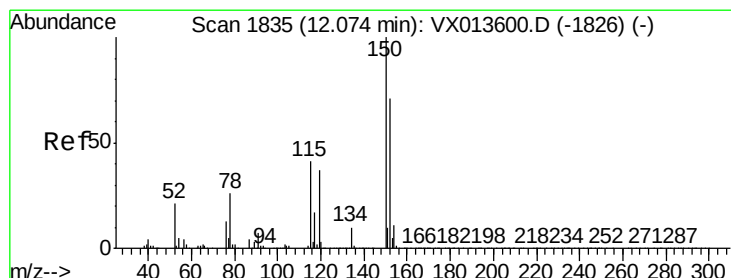
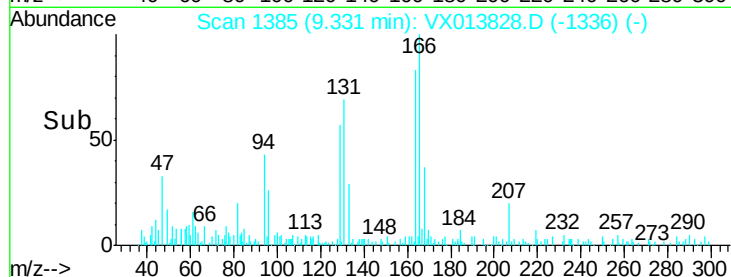
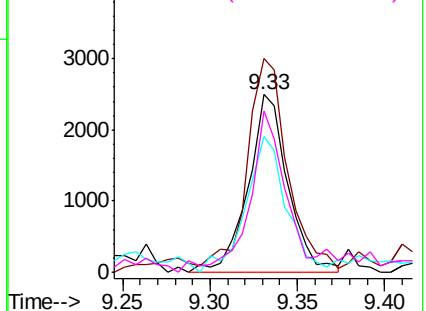


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013828.D

Acq: 07 Dec 2019 03:07

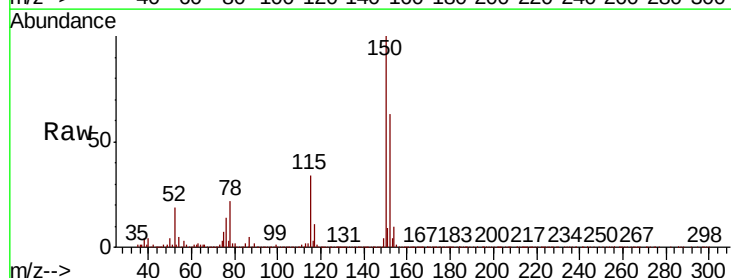
Tgt Ion:152 Resp: 360673

Ion Ratio Lower Upper

152 100

115 54.7 38.4 115.1

150 156.9 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

