

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013802.D
 Acq On : 06 Dec 2019 16:16
 Operator : JC/SP
 Sample : K6184-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20191204

Quant Time: Dec 07 04:18:52 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

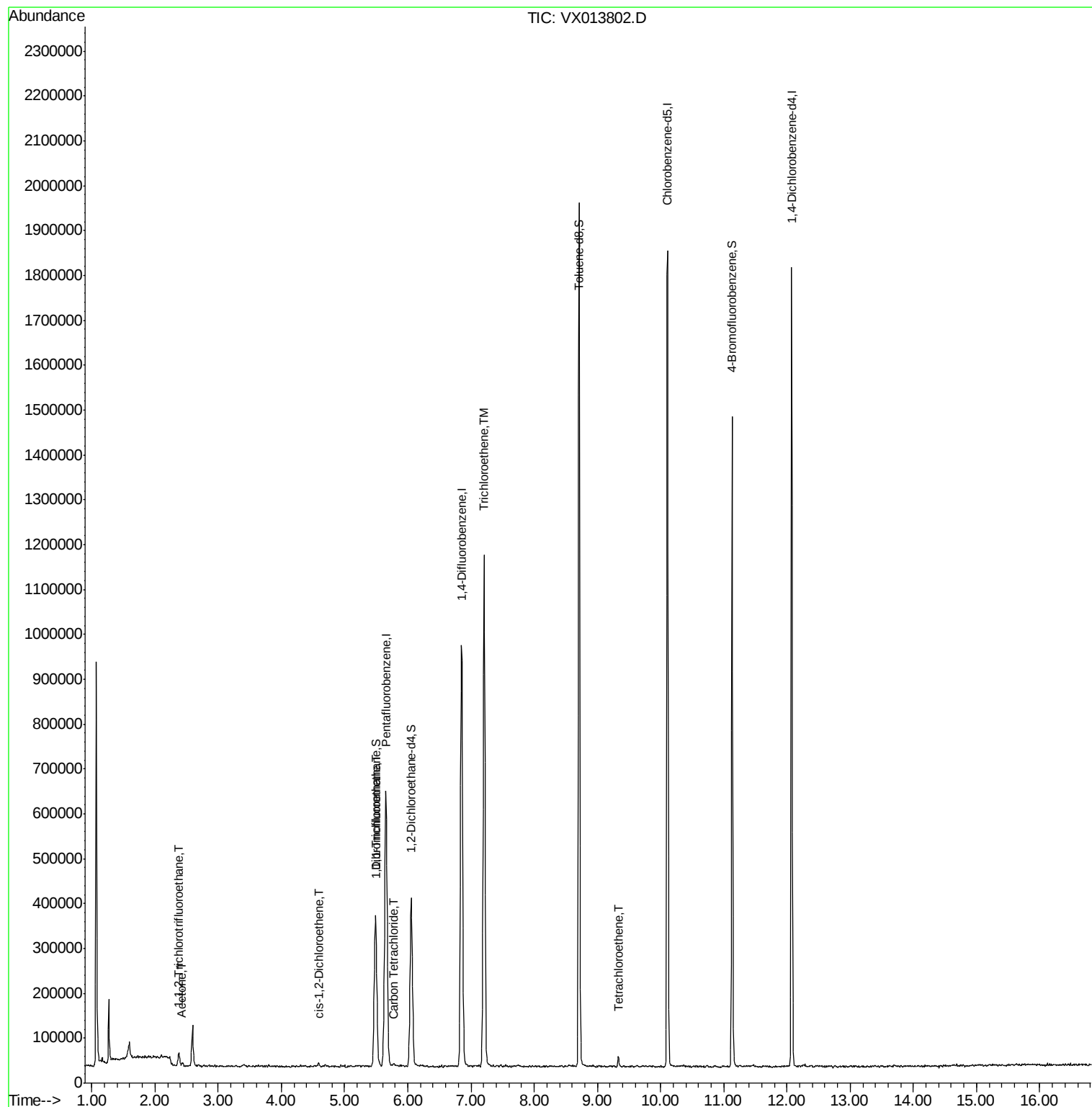
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	640027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	975319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	869082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	382660	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	350189	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	5.49	113	291367	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1153592	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	381691	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11650	1.909	ug/l	91
16) Acetone	2.43	43	8715	2.376	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	3554	0.466	ug/l	86
32) 1,1,1-Trichloroethane	5.50	97	3119	0.316	ug/l #	50
38) Carbon Tetrachloride	5.78	117	5204	0.637	ug/l #	86
44) Trichloroethene	7.21	130	452545	61.152	ug/l	97
64) Tetrachloroethene	9.33	164	4696	0.725	ug/l	95

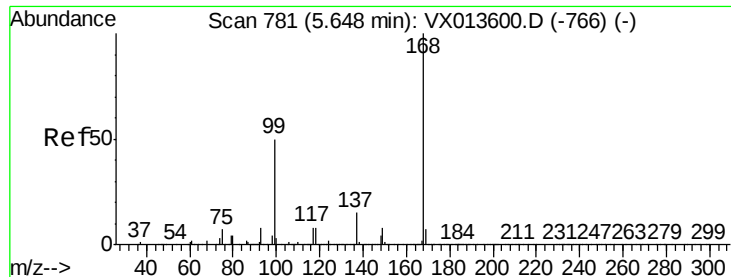
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

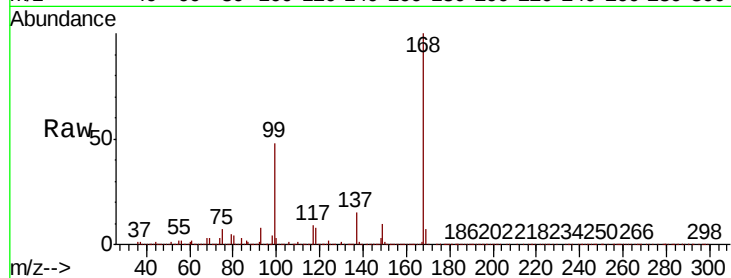
RE109D3-20191204

Tot Ion:168 Resp: 640027

Ion Ratio Lower Upper

168 100

99 48.3 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

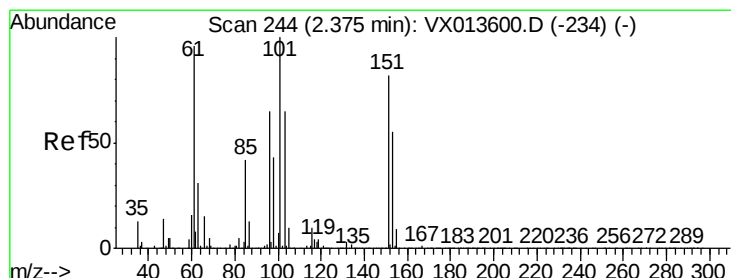
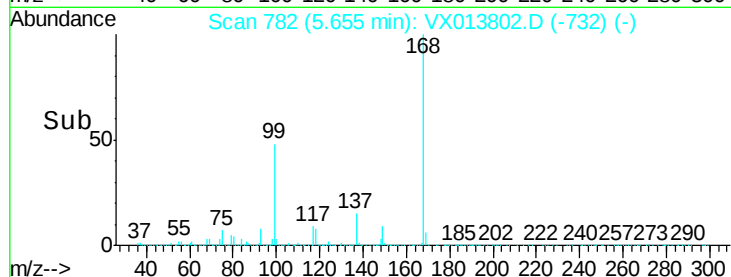
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.909 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

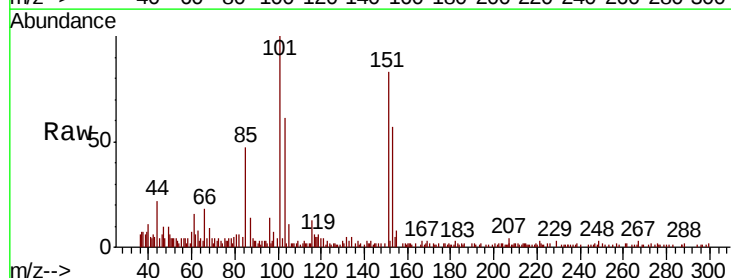
Tgt Ion:101 Resp: 11650

Ion Ratio Lower Upper

101 100

85 44.7 33.9 50.9

151 90.9 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

2.38

8000

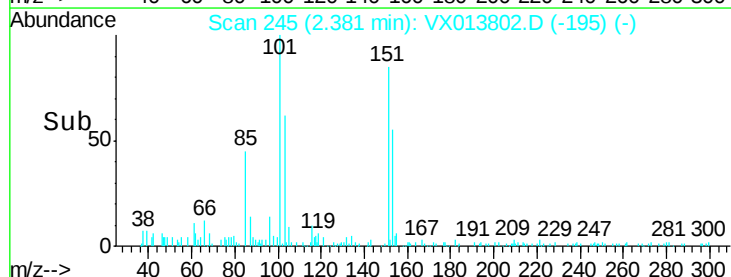
6000

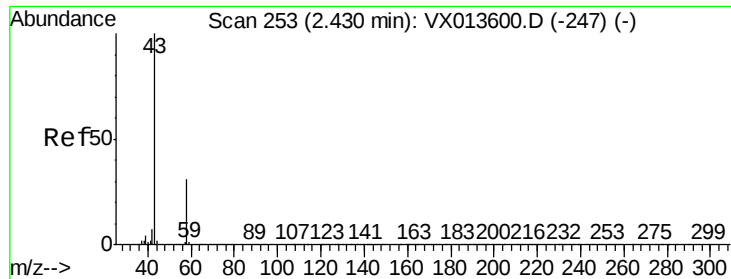
4000

2000

0

Time-->





#16

Acetone

Concen: 2.376 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

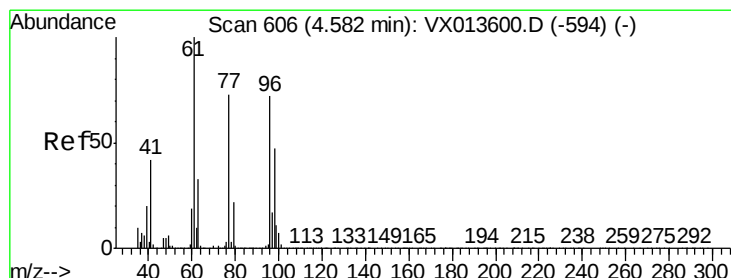
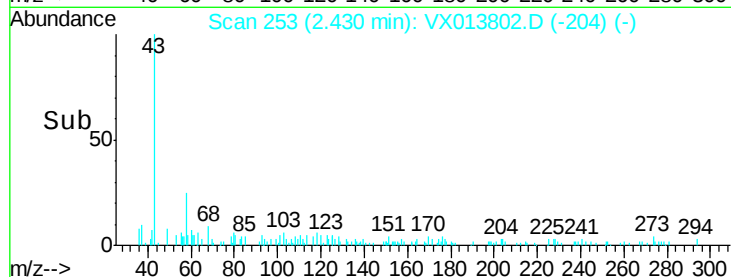
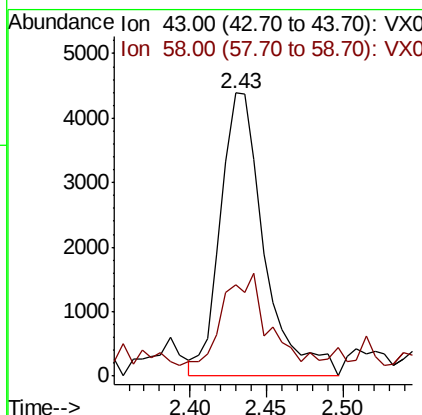
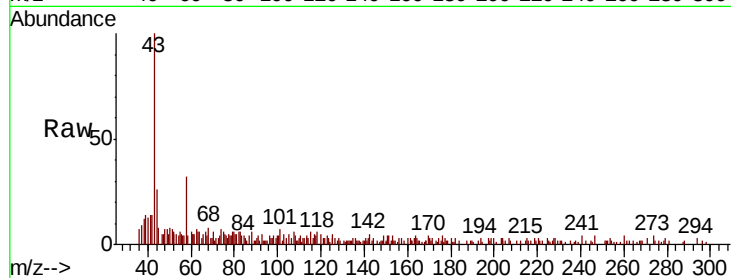
RE109D3-20191204

Tot Ion: 43 Resp: 8715

Ion Ratio Lower Upper

43 100

58 31.5 24.6 36.8



#27

cis-1,2-Dichloroethene

Concen: 0.466 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

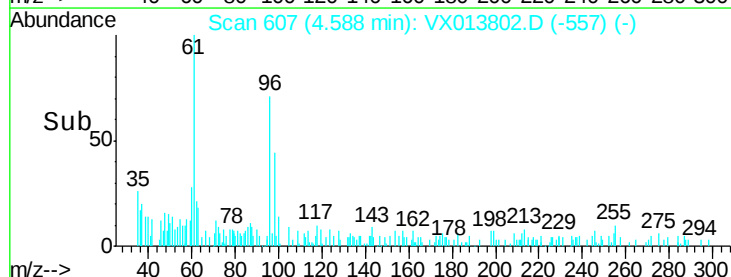
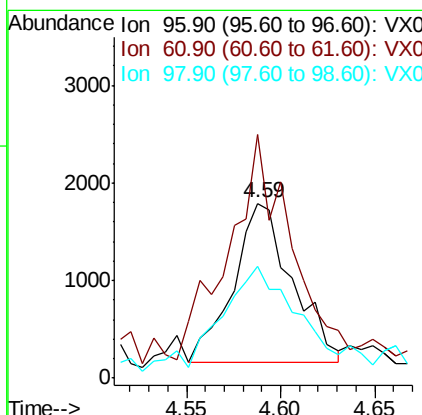
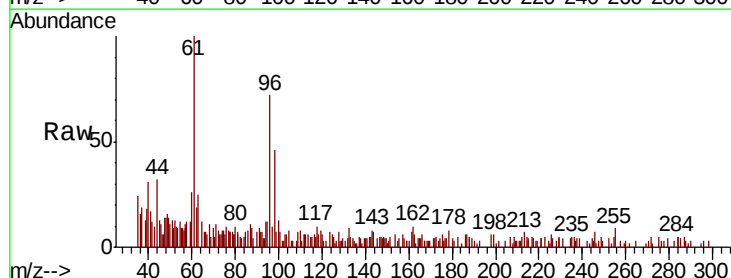
Tgt Ion: 96 Resp: 3554

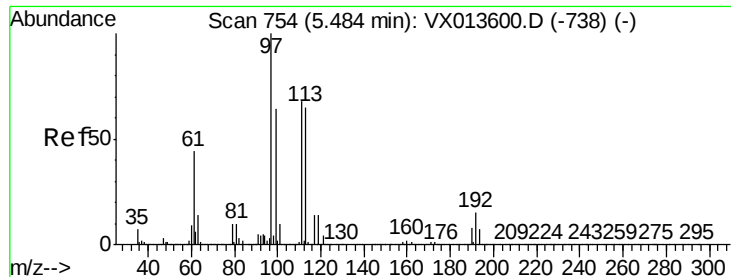
Ion Ratio Lower Upper

96 100

61 147.9 0.0 286.4

98 91.5 0.0 127.4





#32

1,1,1-Trichloroethane

Concen: 0.316 ug/l

RT: 5.50 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20191204

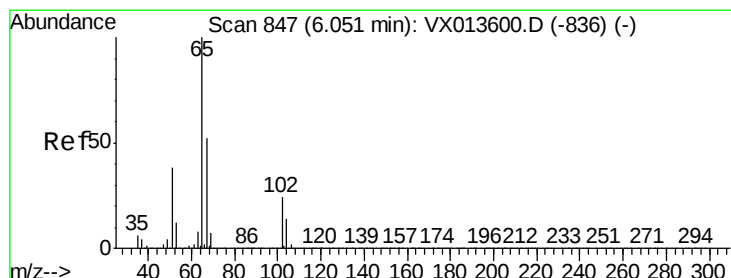
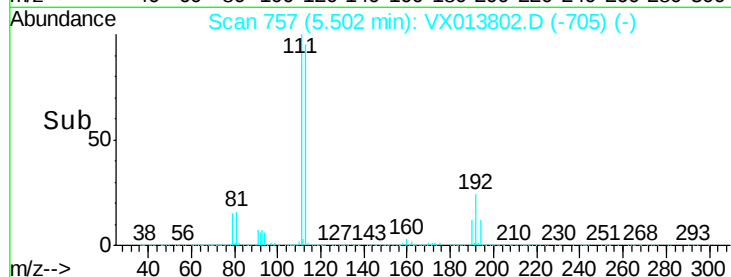
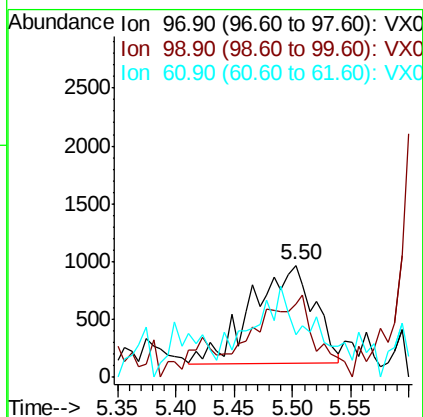
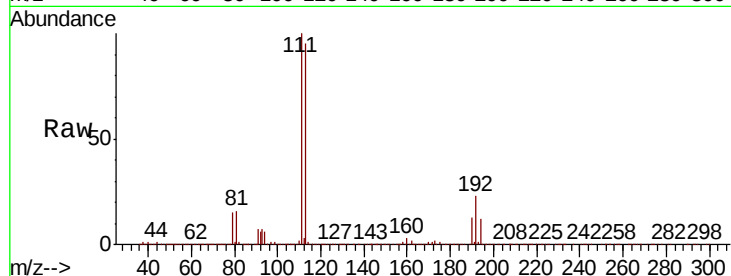
Tot Ion: 97 Resp: 3119

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 47.9 36.1 54.1



#33

1,2-Dichloroethane-d4

Concen: 47.136 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013802.D

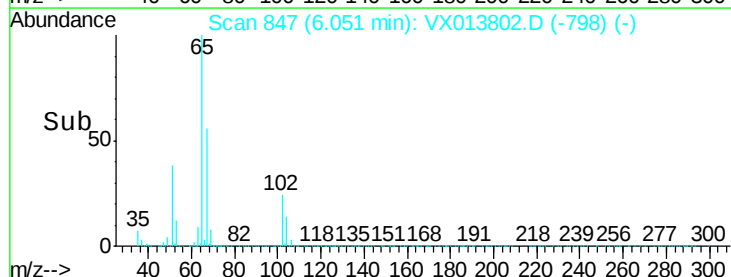
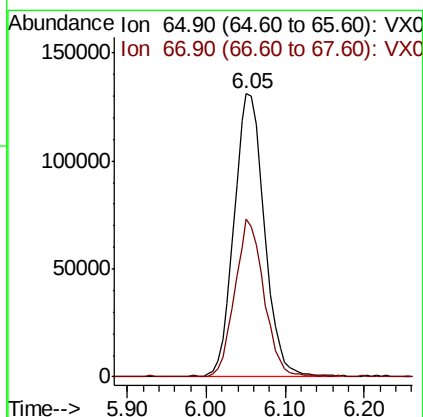
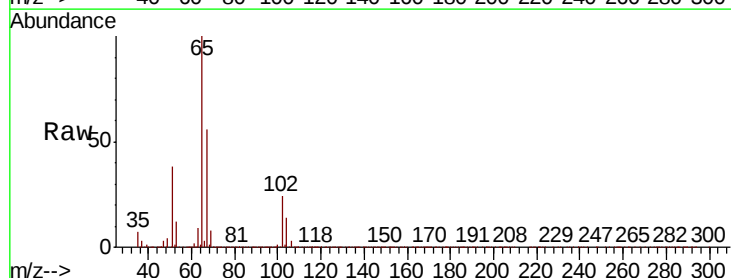
Acq: 06 Dec 2019 16:16

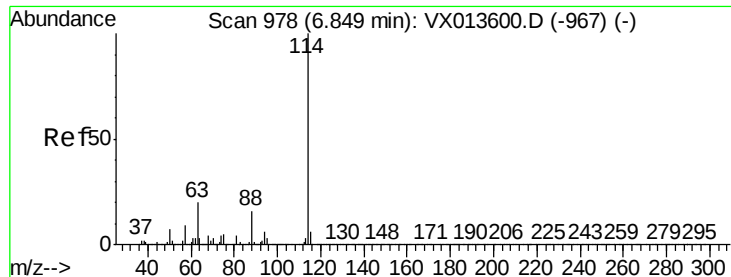
Tgt Ion: 65 Resp: 350189

Ion Ratio Lower Upper

65 100

67 53.6 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: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20191204

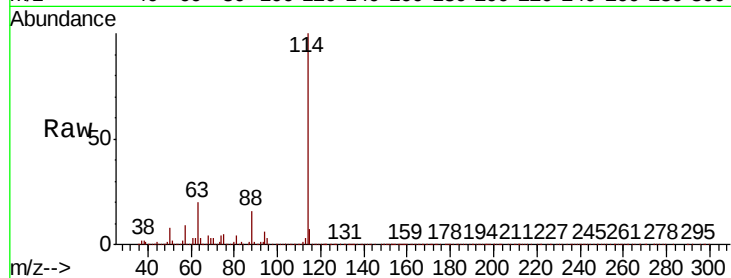
Tot Ion:114 Resp: 975319

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

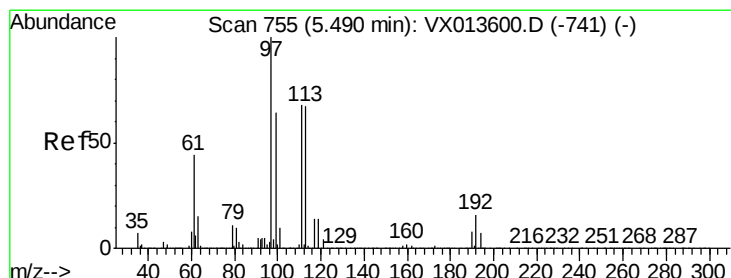
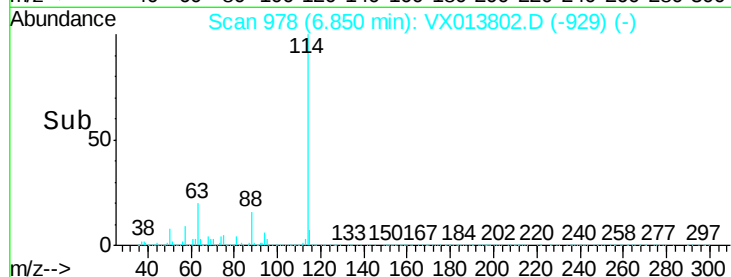
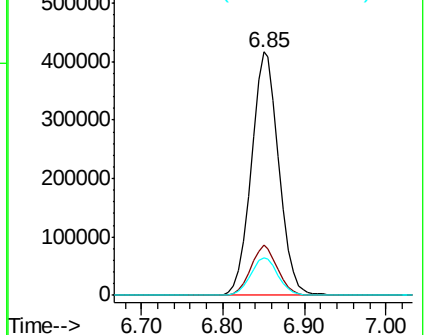
88 15.6 0.0 31.4



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: 48.323 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

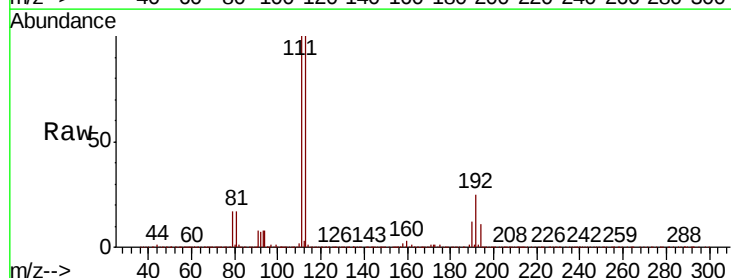
Tgt Ion:113 Resp: 291367

Ion Ratio Lower Upper

113 100

111 102.5 83.6 125.4

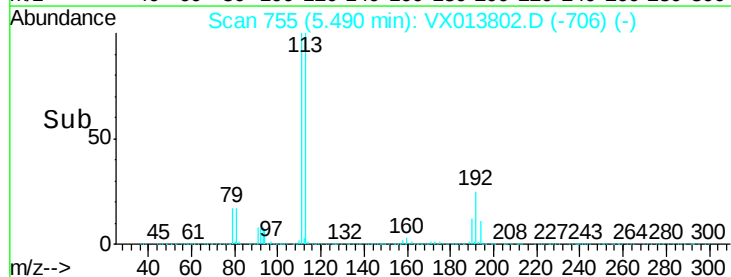
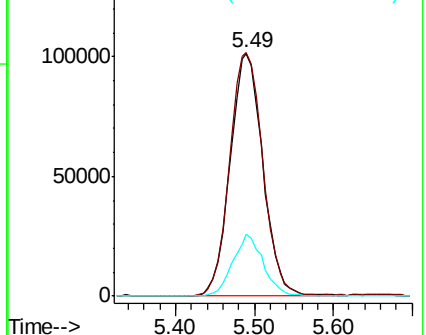
192 23.6 19.2 28.8

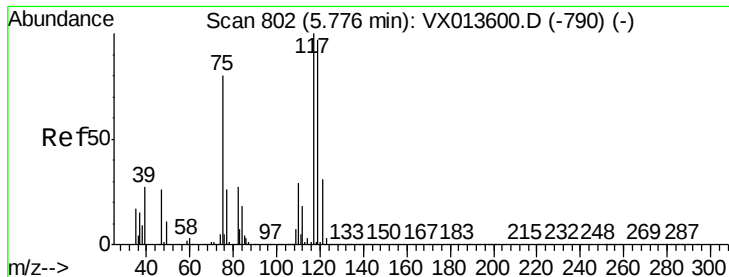


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.637 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20191204

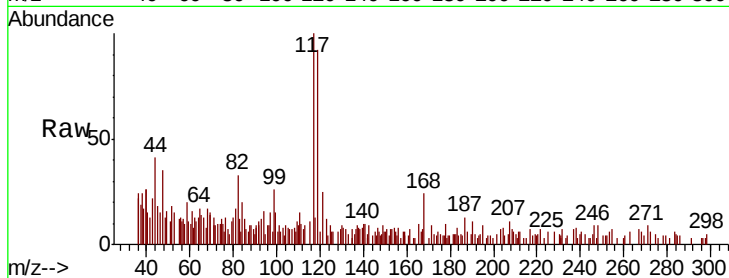
Tot Ion:117 Resp: 5204

Ion Ratio Lower Upper

117 100

119 86.7 77.5 116.3

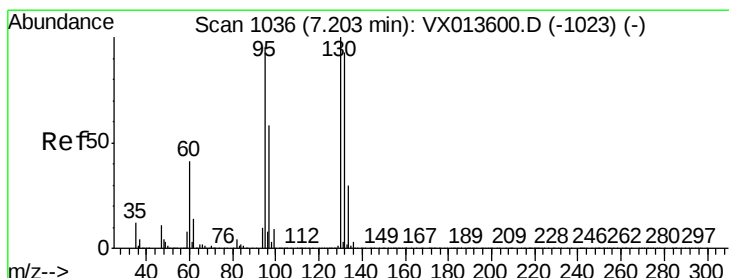
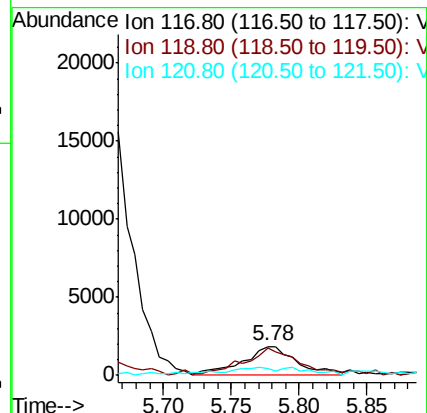
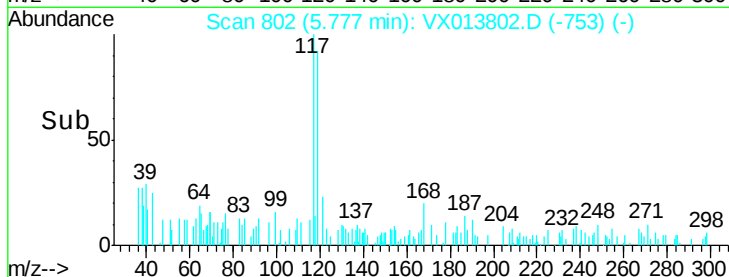
121 17.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 61.152 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013802.D

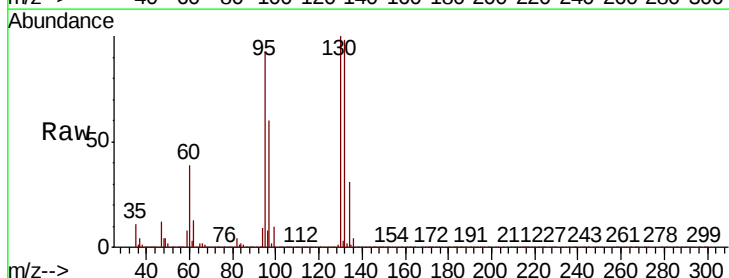
Acq: 06 Dec 2019 16:16

Tgt Ion:130 Resp: 452545

Ion Ratio Lower Upper

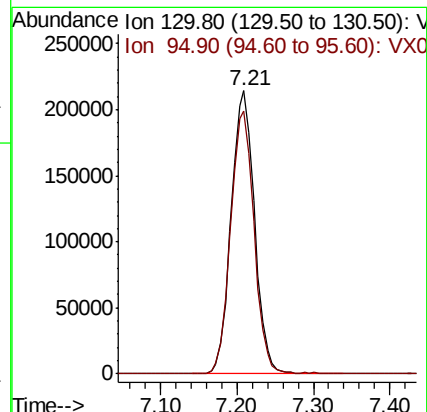
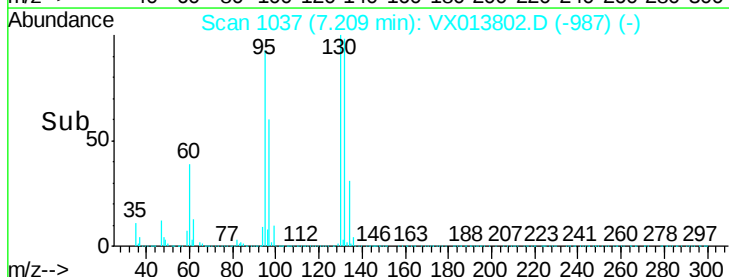
130 100

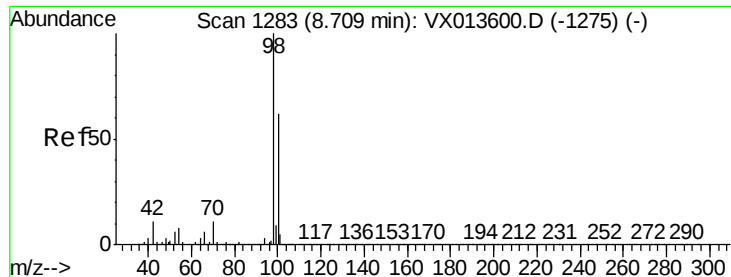
95 92.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.106 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

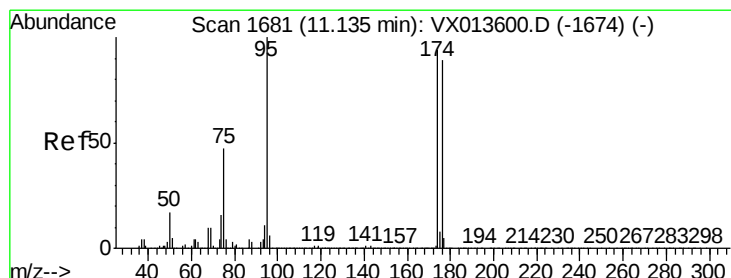
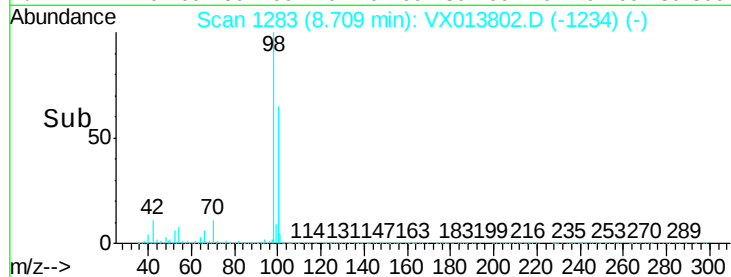
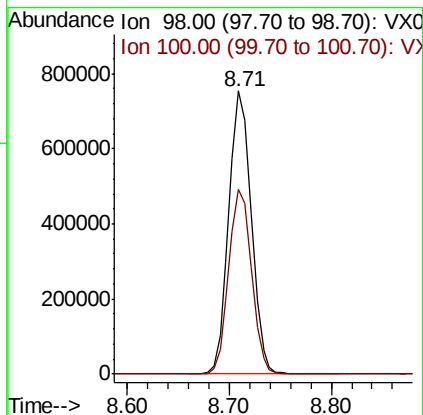
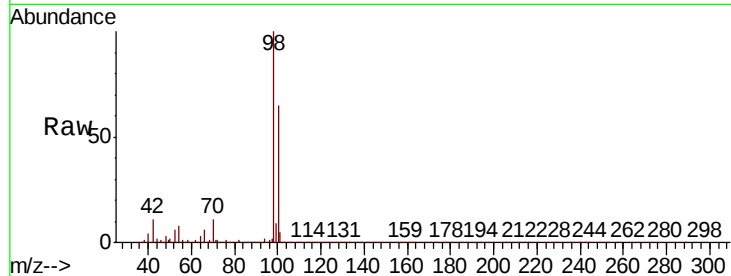
RE109D3-20191204

Tot Ion: 98 Resp: 1153592

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.057 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013802.D

Acq: 06 Dec 2019 16:16

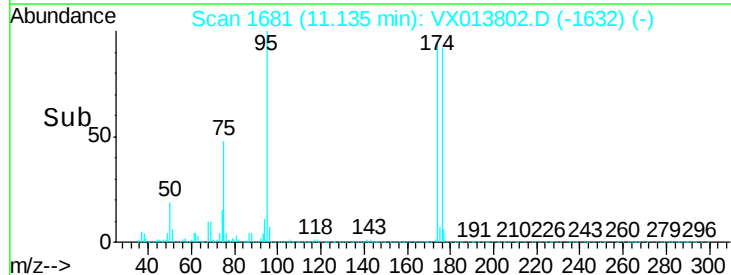
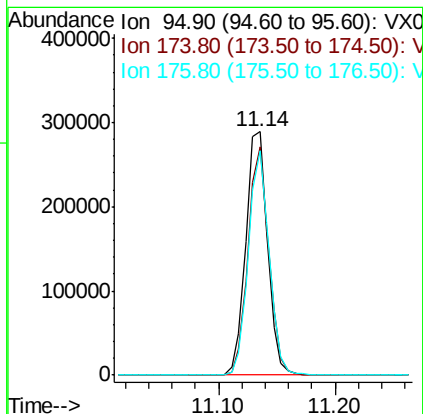
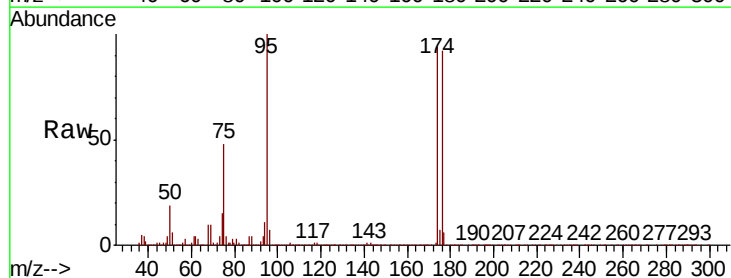
Tgt Ion: 95 Resp: 381691

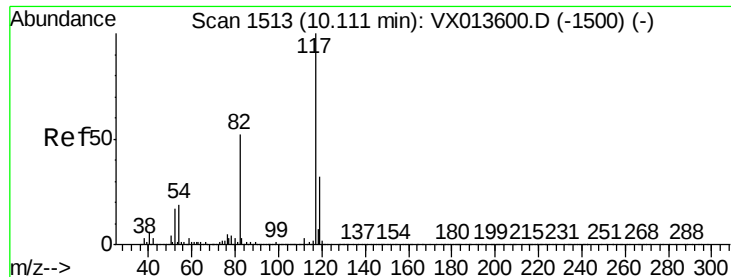
Ion Ratio Lower Upper

95 100

174 89.3 0.0 180.0

176 87.6 0.0 173.6

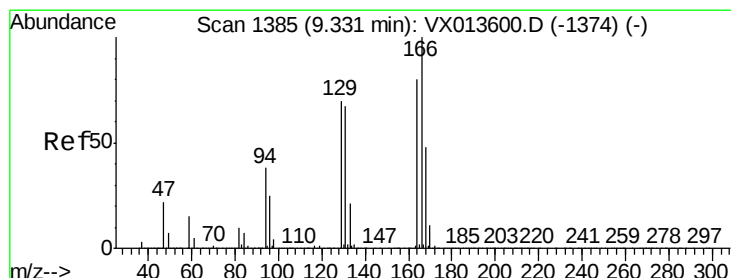
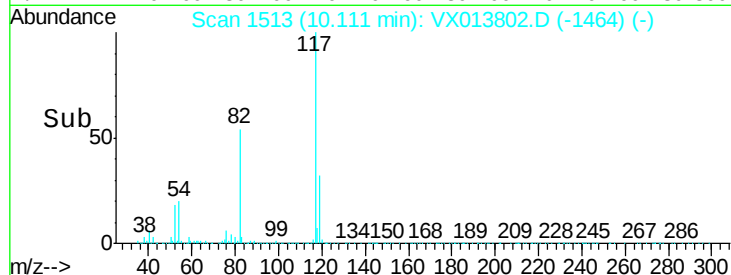
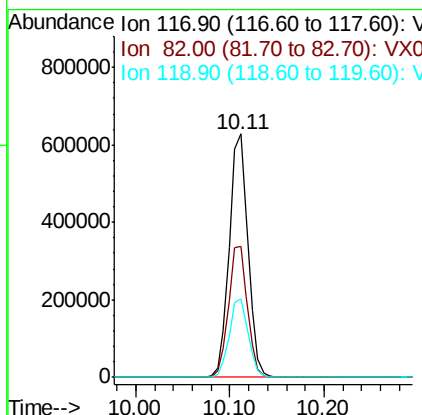
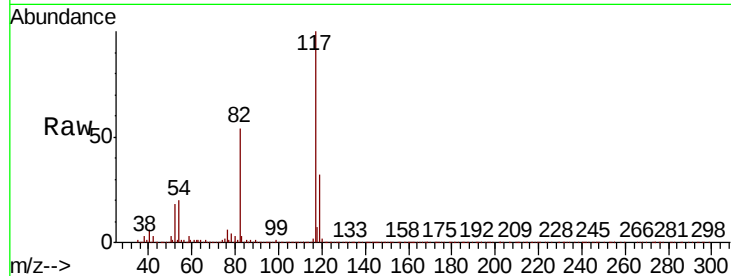




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013802.D
Acq: 06 Dec 2019 16:16

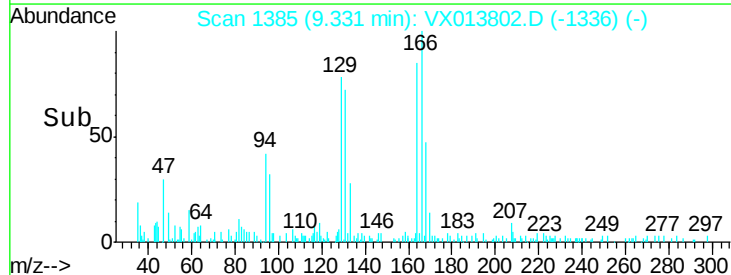
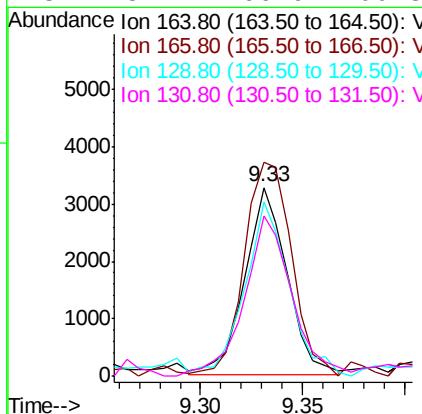
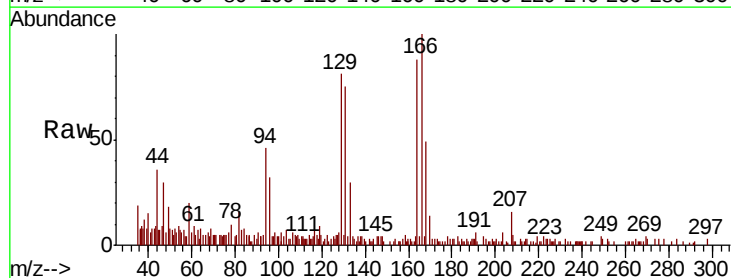
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20191204

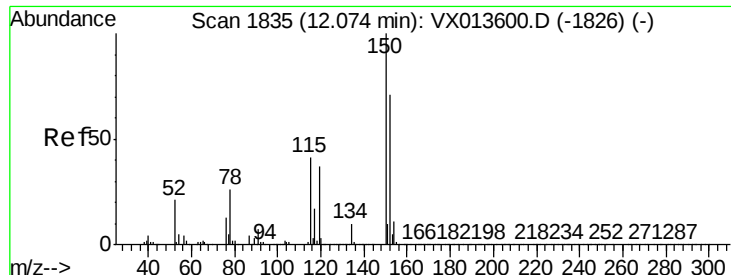
Tot Ion:117 Resp: 869082
Ion Ratio Lower Upper
117 100
82 54.0 41.8 62.8
119 32.5 25.8 38.8



#64
Tetrachloroethene
Concen: 0.725 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013802.D
Acq: 06 Dec 2019 16:16

Tgt Ion:164 Resp: 4696
Ion Ratio Lower Upper
164 100
166 114.6 99.7 149.5
129 92.4 70.1 105.1
131 84.1 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: VX013802.D

Acq: 06 Dec 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20191204

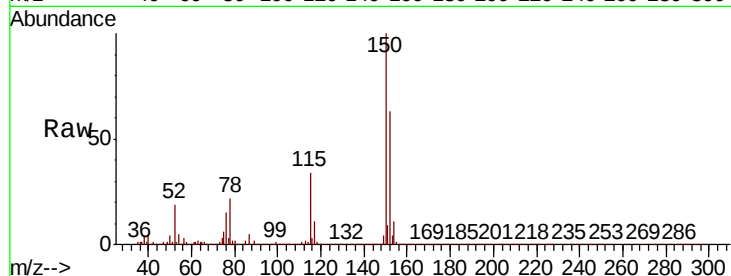
Tot Ion:152 Resp: 382660

Ion Ratio Lower Upper

152 100

115 53.8 38.4 115.1

150 155.4 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

