

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015387.D
 Acq On : 27 Mar 2020 17:21
 Operator : JC/SP
 Sample : L1997-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200316

Quant Time: Mar 30 04:24:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

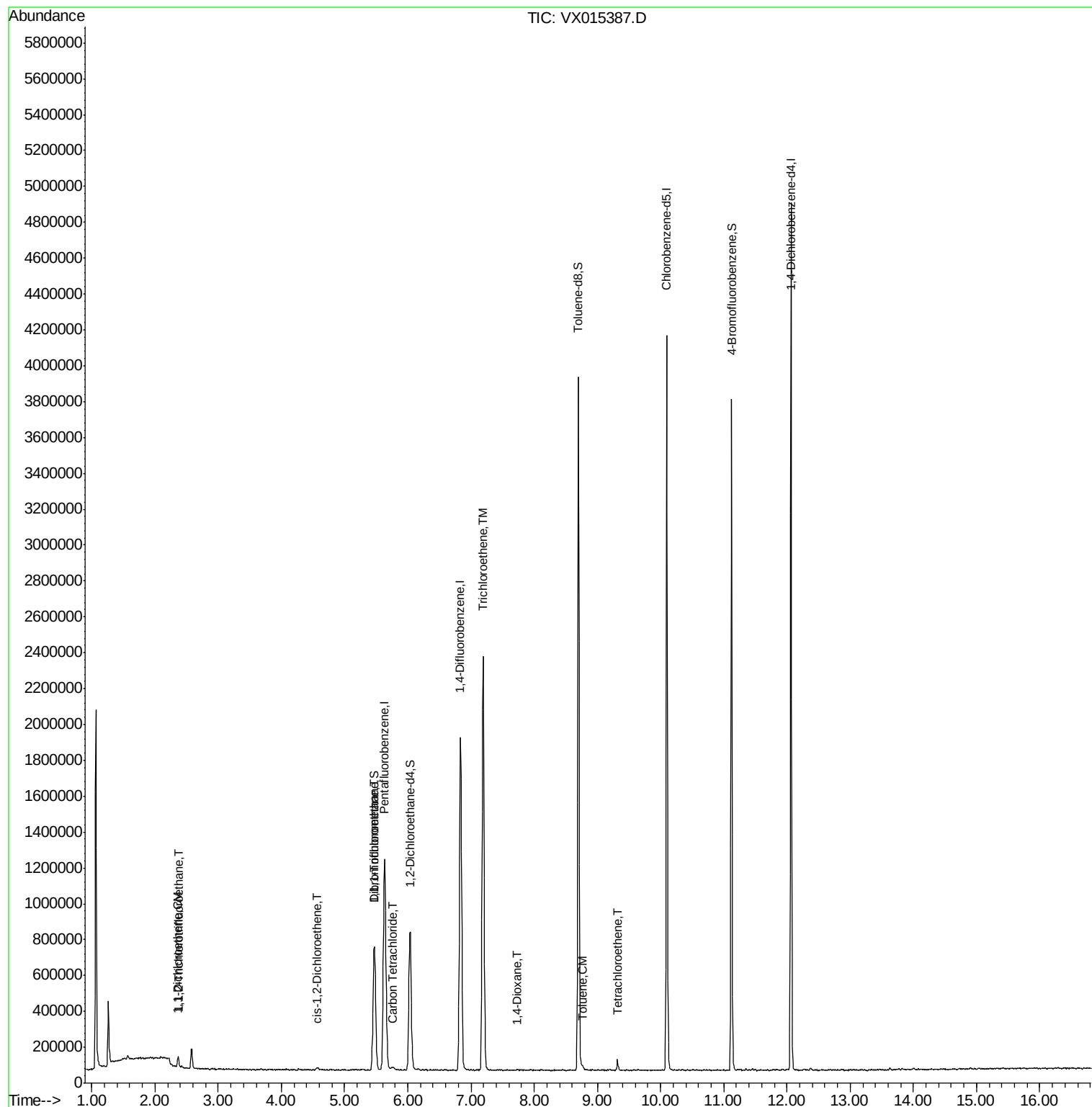
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1164989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1873693	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1795934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	940019	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	761802	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	5.47	113	587480	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.70	98	2263768	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.12	95	980509	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	2.37	101	21724	2.070	ug/l	95
12) 1,1-Dichloroethene	2.36	96	4568	0.415	ug/l	87
27) cis-1,2-Dichloroethene	4.56	96	7562	0.535	ug/l	87
32) 1,1,1-Trichloroethane	5.47	97	6793	0.325	ug/l #	52
38) Carbon Tetrachloride	5.76	117	10999	0.588	ug/l	91
44) Trichloroethene	7.19	130	874525	63.408	ug/l	93
49) 1,4-Dioxane	7.73	88	3758	10.628	ug/l #	79
52) Toluene	8.78	92	8465	0.272	ug/l	79
64) Tetrachloroethene	9.32	164	12829	0.947	ug/l #	83

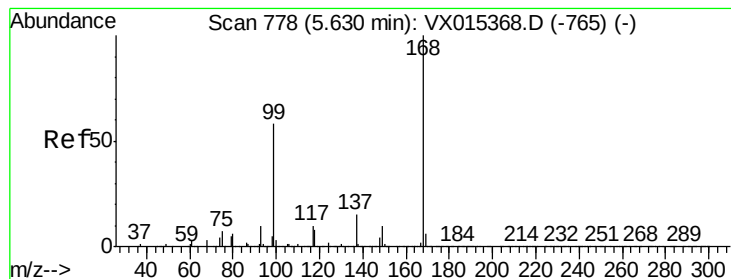
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

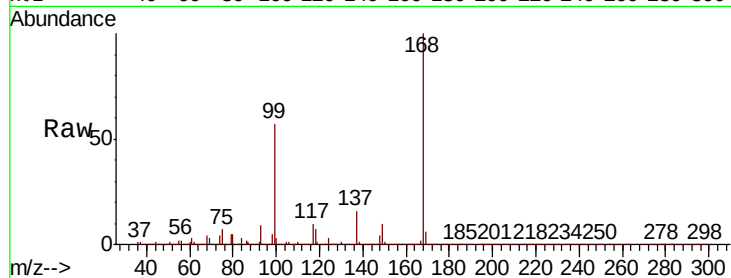
RE109D3-20200316

Tot Ion:168 Resp: 1164989

Ion Ratio Lower Upper

168 100

99 56.5 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

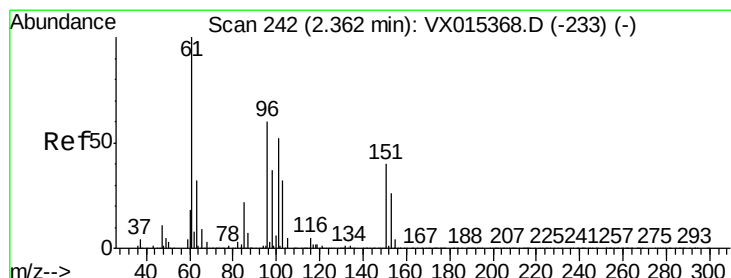
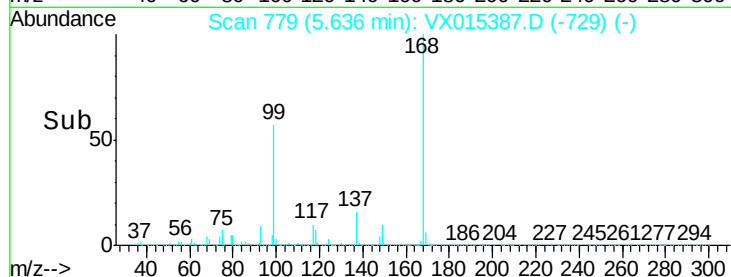
300000

200000

100000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.070 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

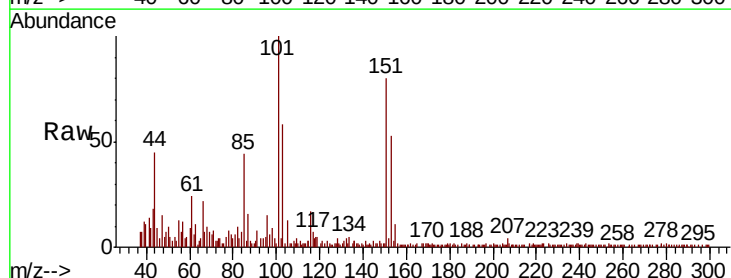
Tgt Ion:101 Resp: 21724

Ion Ratio Lower Upper

101 100

85 50.9 35.0 52.4

151 79.1 64.1 96.1



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

2.37

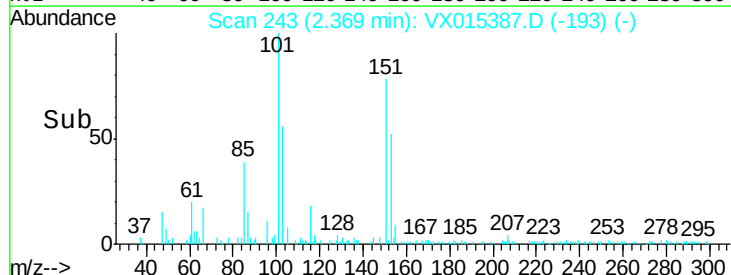
15000

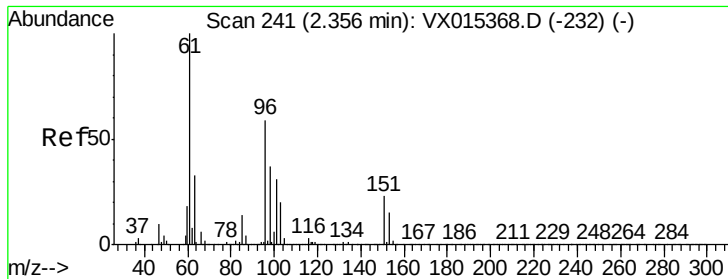
10000

5000

0

Time-->

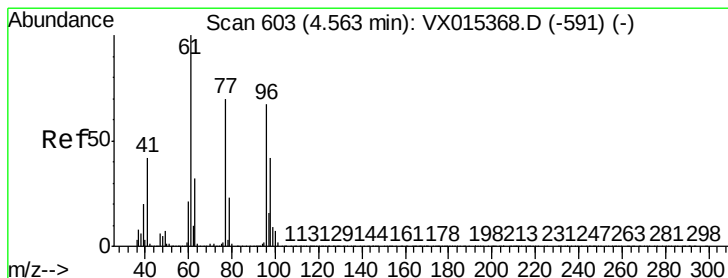
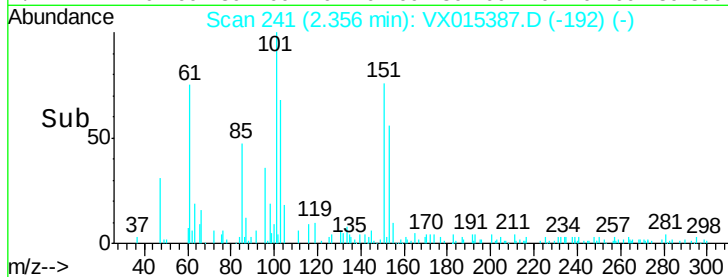
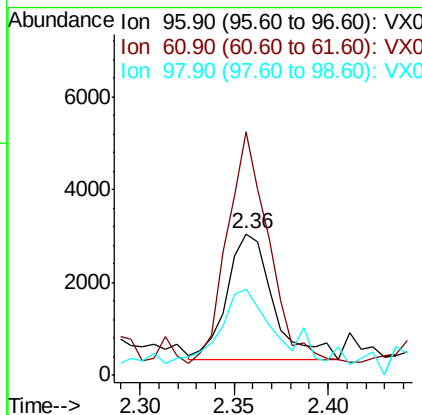
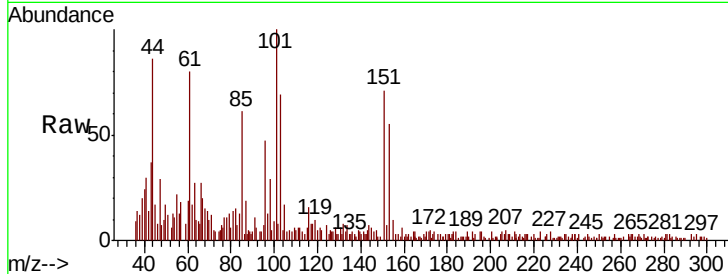




#12
 1,1-Dichloroethene
 Concen: 0.415 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VX015387.D
 Acq: 27 Mar 2020 17:21

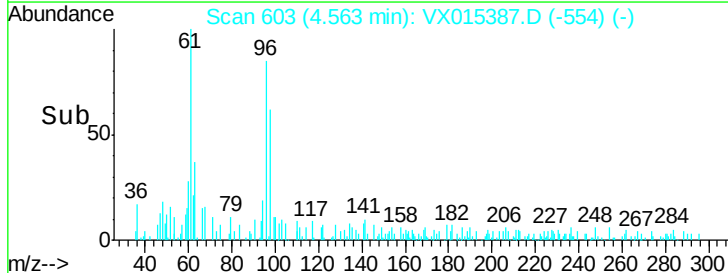
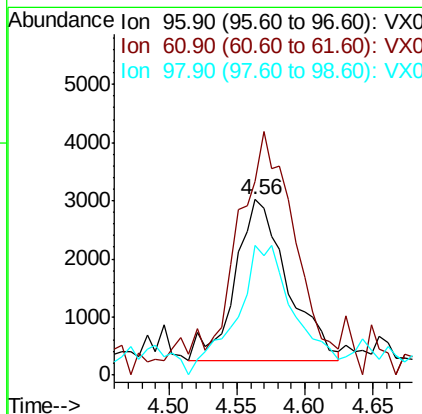
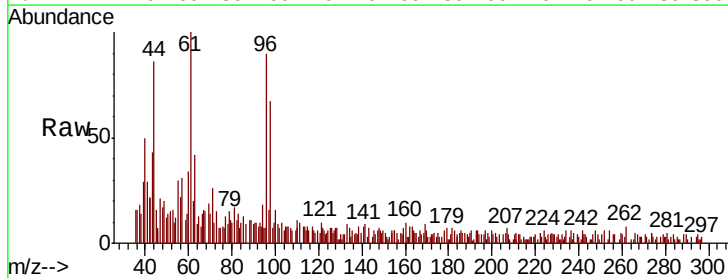
Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200316

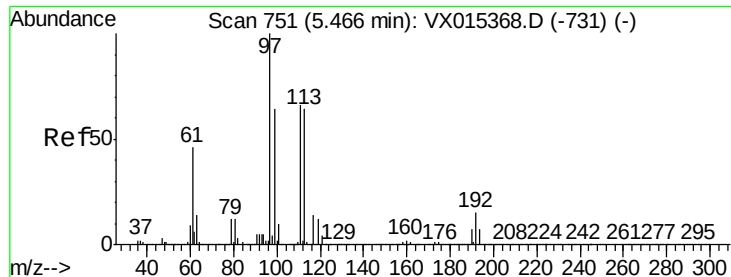
Tot Ion: 96 Resp: 4568
 Ion Ratio Lower Upper
 96 100
 61 189.8 135.7 203.5
 98 56.2 50.6 75.8



#27
 cis-1,2-Dichloroethene
 Concen: 0.535 ug/l
 RT: 4.56 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VX015387.D
 Acq: 27 Mar 2020 17:21

Tgt Ion: 96 Resp: 7562
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 308.4
 98 88.8 0.0 129.2





#32

1,1,1-Trichloroethane

Concen: 0.325 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200316

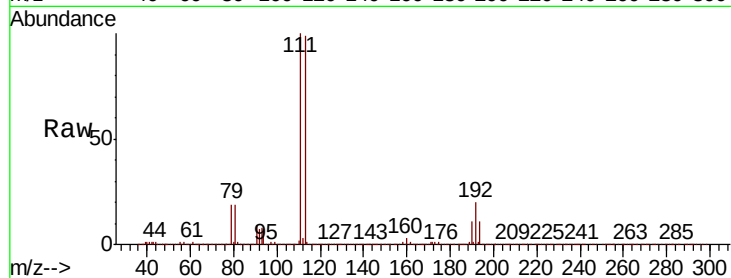
Tot Ion: 97 Resp: 6793

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

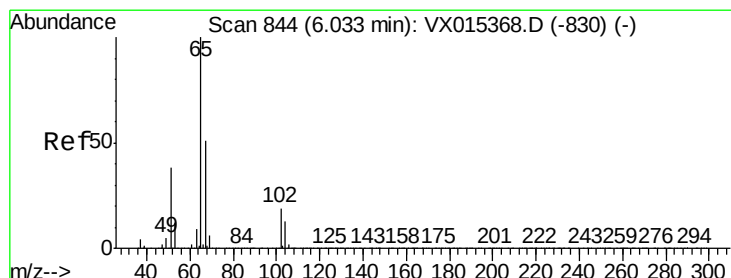
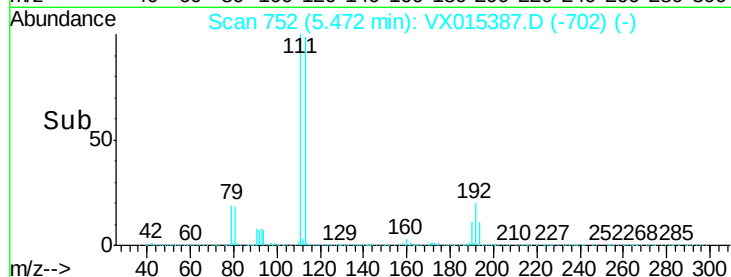
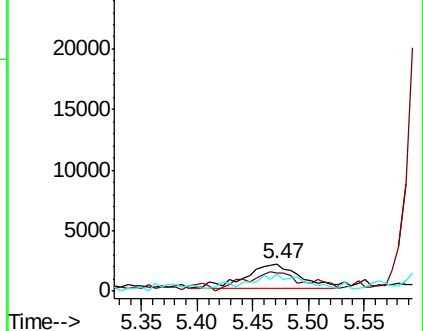
61 45.9 36.1 54.1



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.364 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015387.D

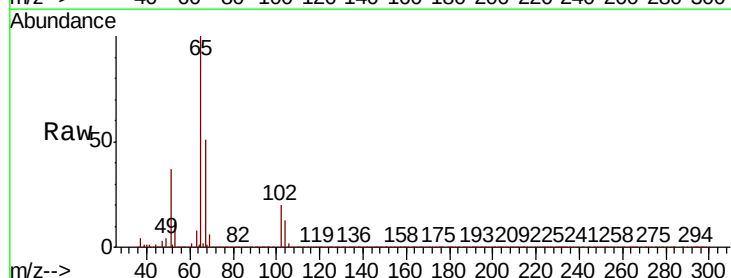
Acq: 27 Mar 2020 17:21

Tgt Ion: 65 Resp: 761802

Ion Ratio Lower Upper

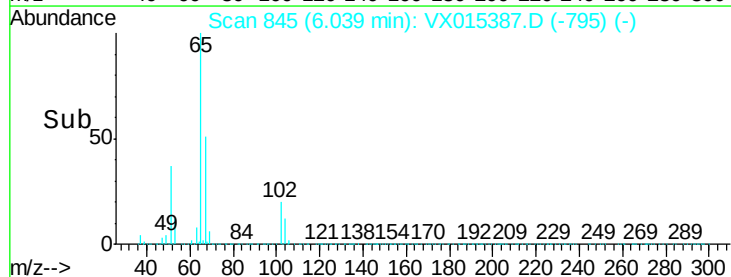
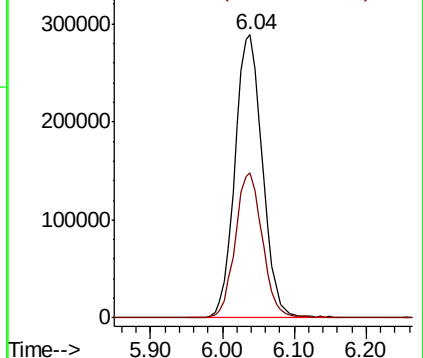
65 100

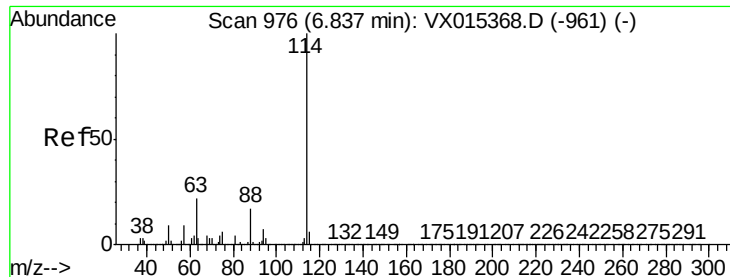
67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200316

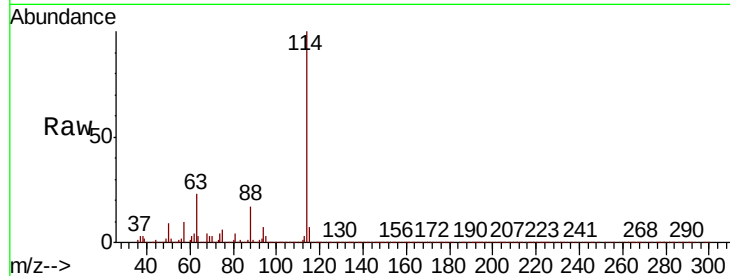
Tot Ion:114 Resp: 1873693

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.2

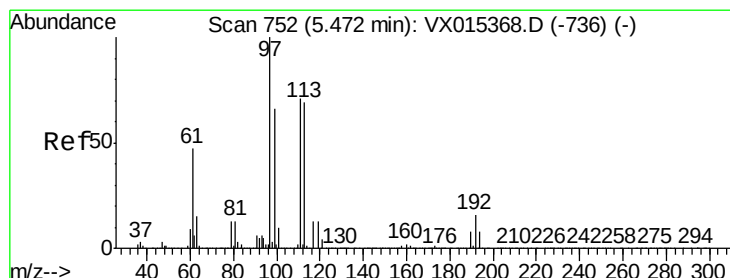
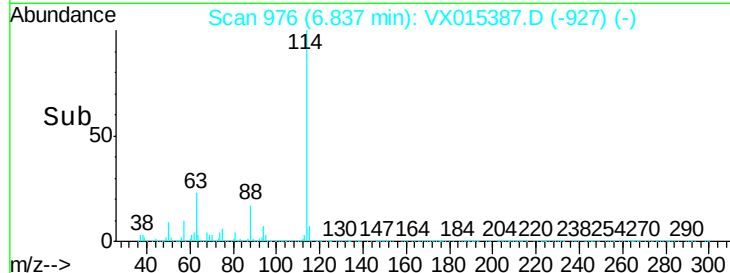
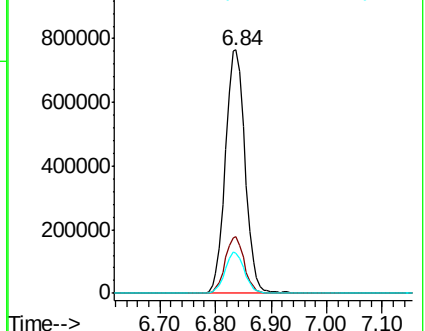
88 16.7 0.0 33.8



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: 49.050 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

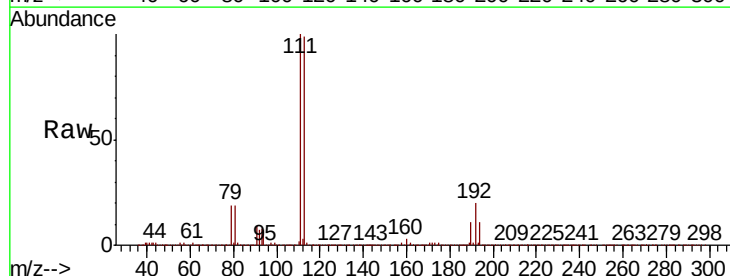
Tgt Ion:113 Resp: 587480

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

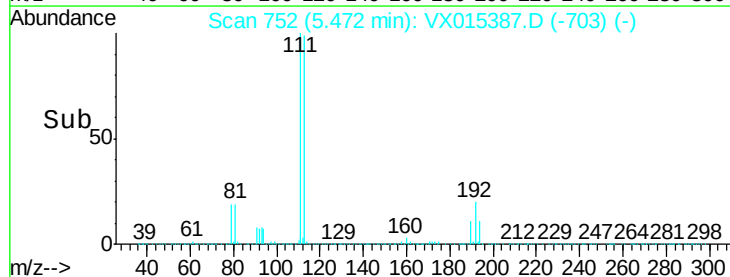
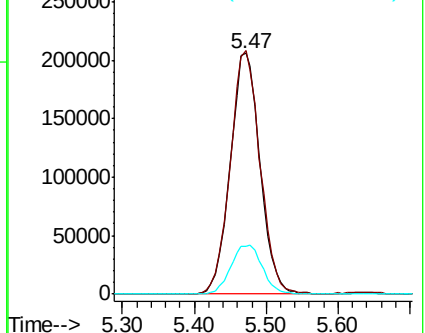
192 21.7 17.8 26.6

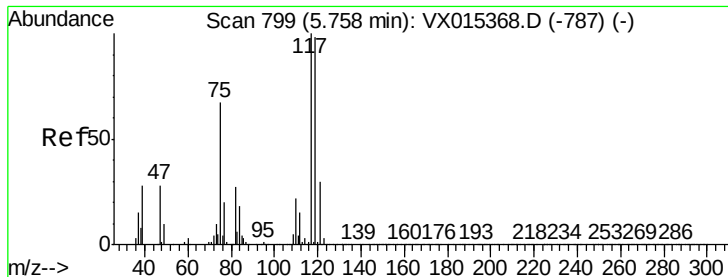


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

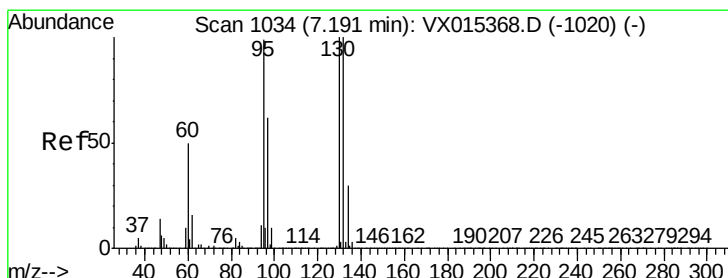
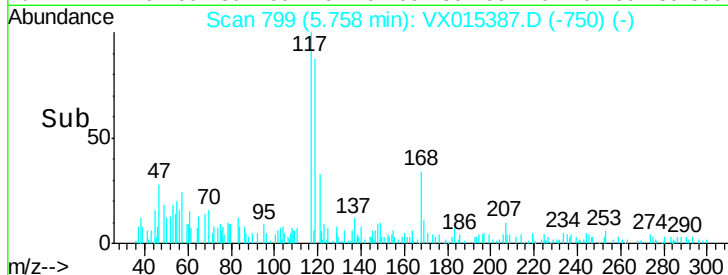
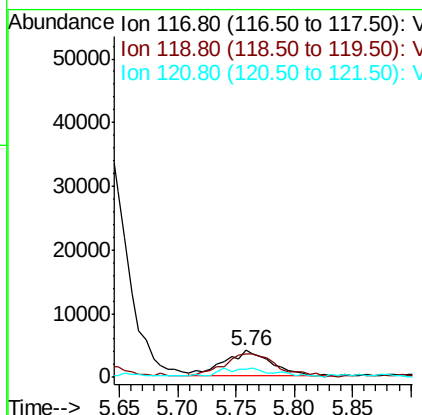
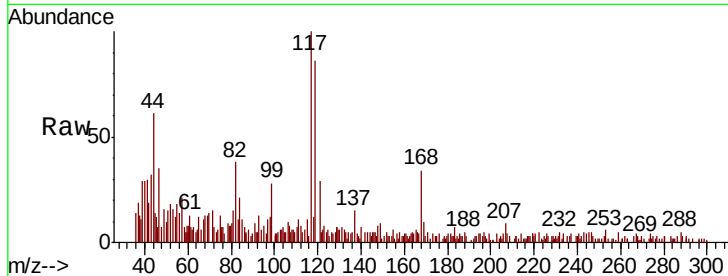




#38
Carbon Tetrachloride
Concen: 0.588 ug/l
RT: 5.76 min Scan# 799
Delta R.T. 0.00 min
Lab File: VX015387.D
Acq: 27 Mar 2020 17:21

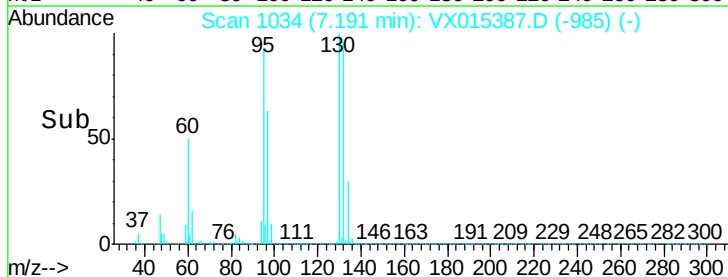
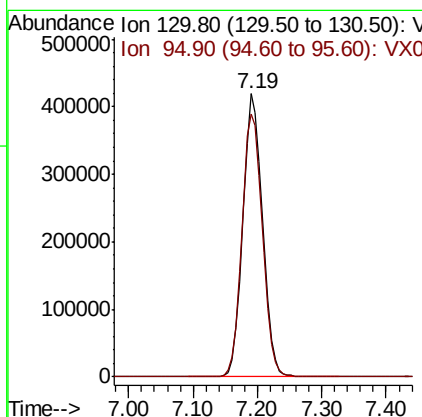
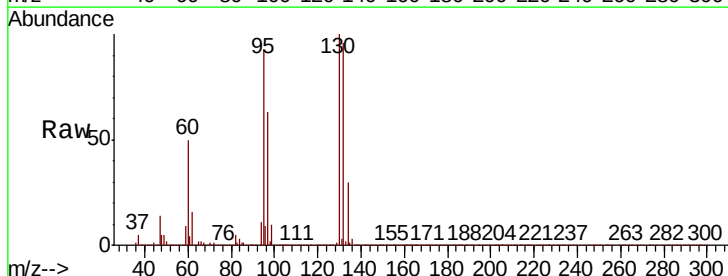
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200316

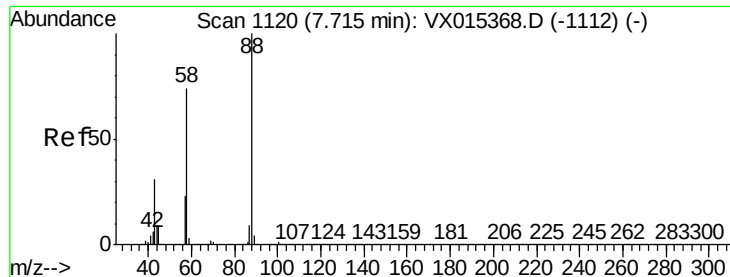
Tot Ion:117 Resp: 10999
Ion Ratio Lower Upper
117 100
119 88.5 78.0 117.0
121 26.1 23.8 35.8



#44
Trichloroethene
Concen: 63.408 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015387.D
Acq: 27 Mar 2020 17:21

Tgt Ion:130 Resp: 874525
Ion Ratio Lower Upper
130 100
95 92.8 0.0 199.0





#49

1,4-Dioxane

Concen: 10.628 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200316

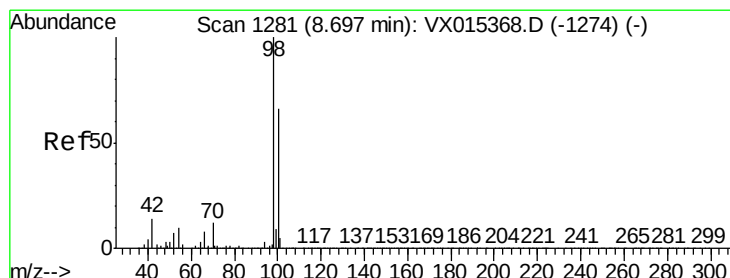
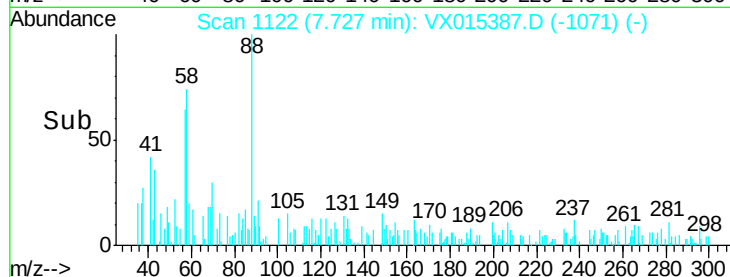
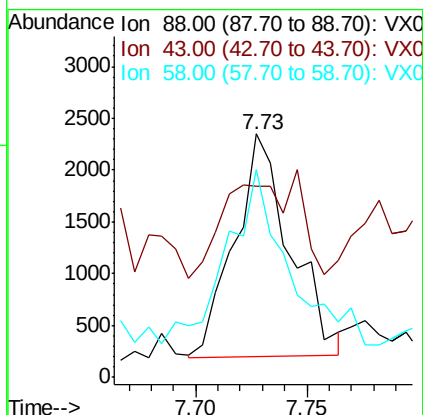
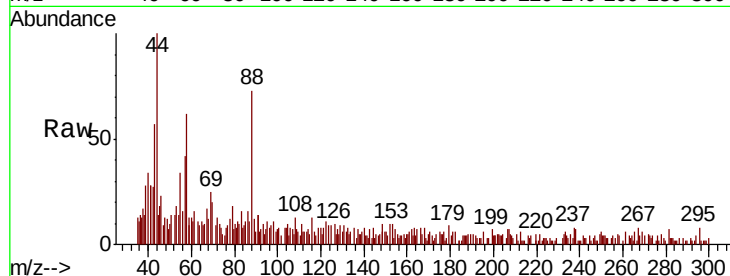
Tot Ion: 88 Resp: 3758

Ion Ratio Lower Upper

88 100

43 59.6 30.1 45.1#

58 86.7 60.6 90.8



#50

Toluene-d8

Concen: 51.336 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015387.D

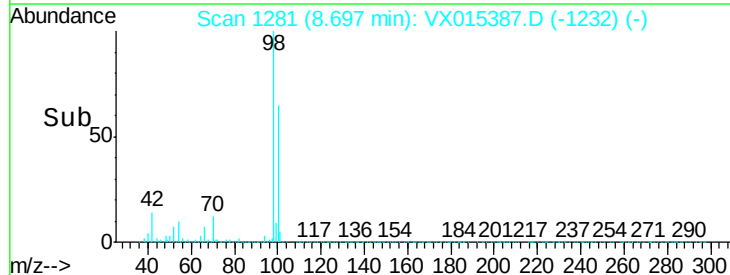
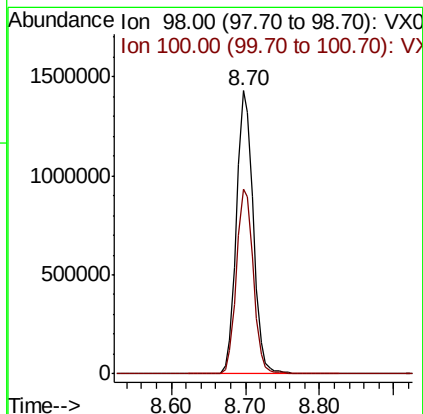
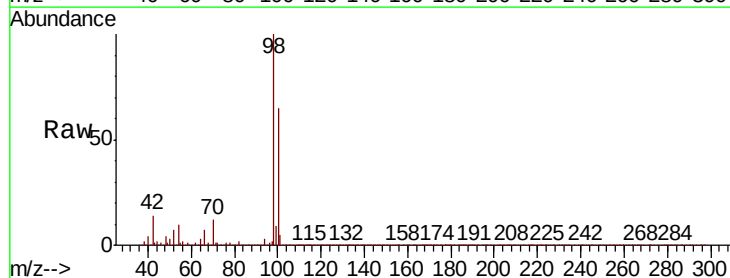
Acq: 27 Mar 2020 17:21

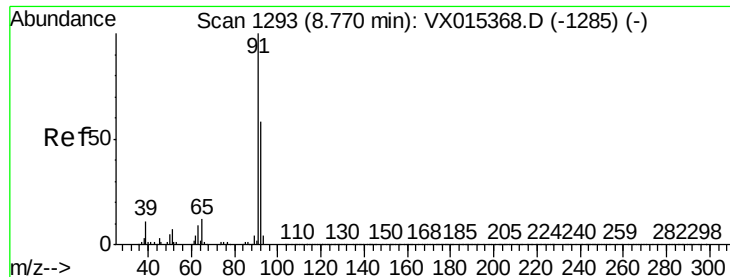
Tgt Ion: 98 Resp: 2263768

Ion Ratio Lower Upper

98 100

100 66.0 53.5 80.3





#52

Toluene

Concen: 0.272 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

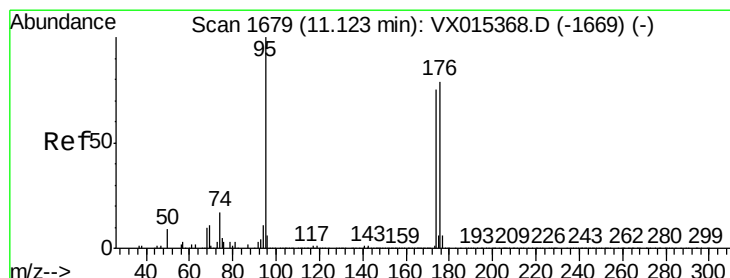
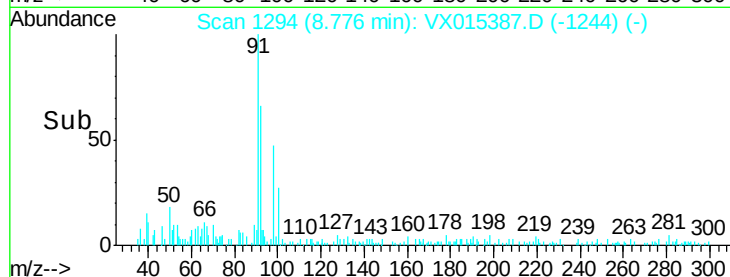
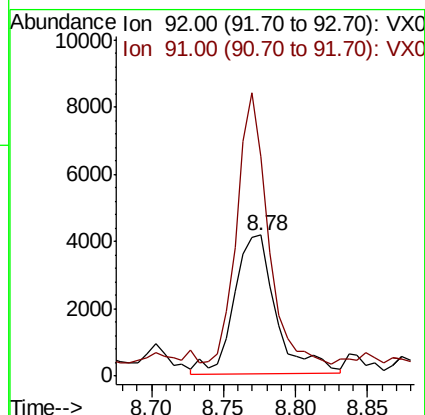
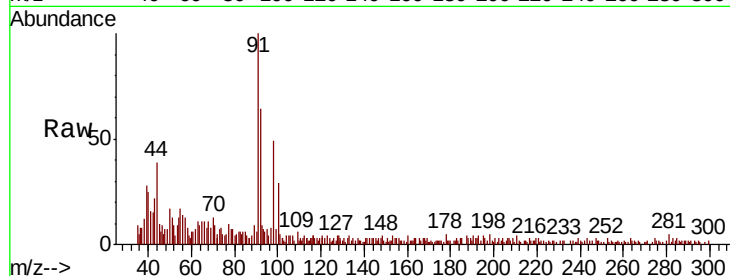
RE109D3-20200316

Tot Ion: 92 Resp: 8465

Ion Ratio Lower Upper

92 100

91 142.0 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 54.713 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

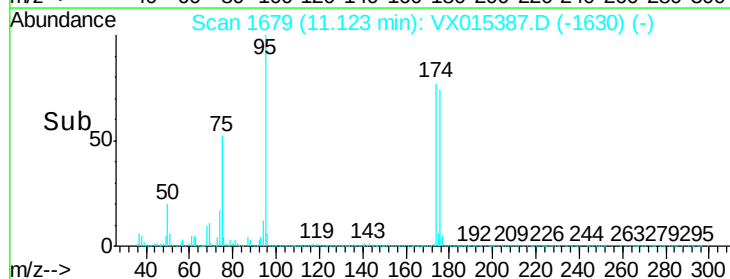
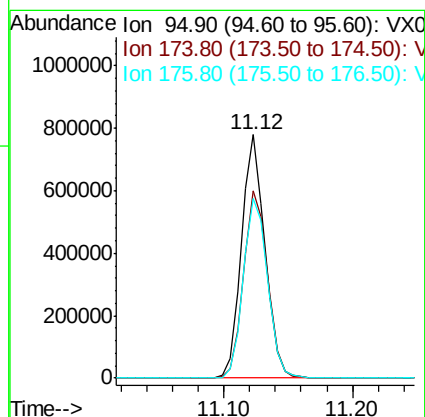
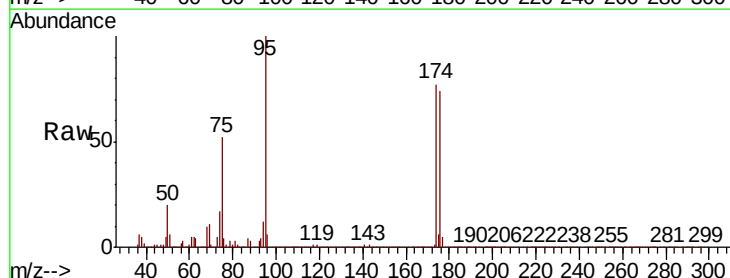
Tgt Ion: 95 Resp: 980509

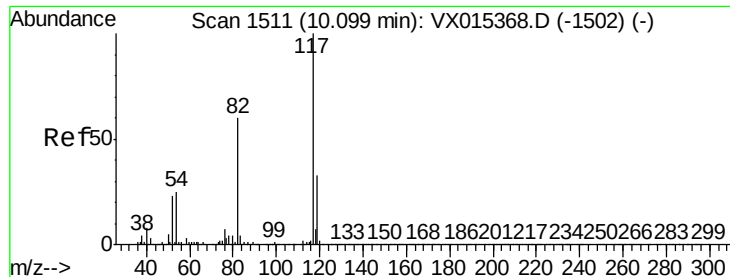
Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.6

176 76.1 0.0 159.0

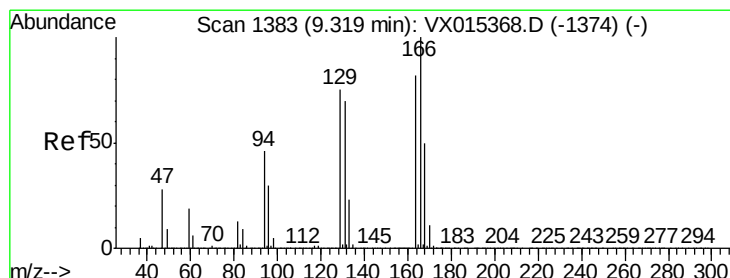
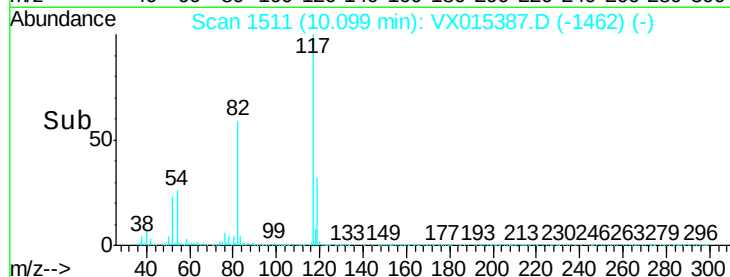
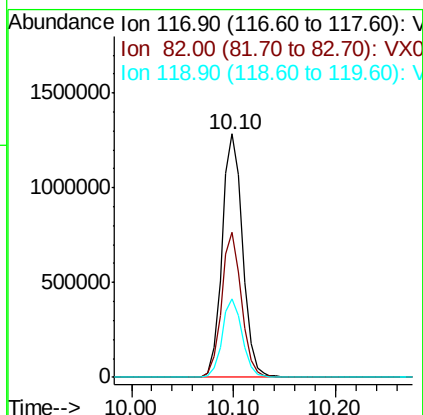
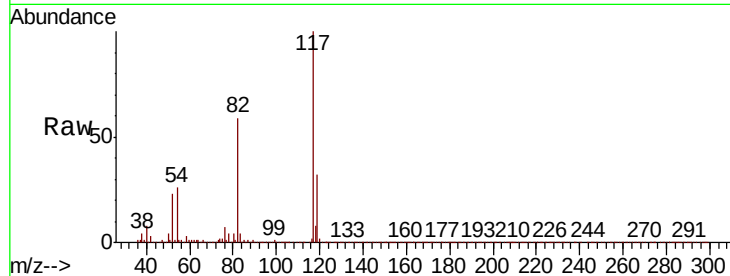




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015387.D
Acq: 27 Mar 2020 17:21

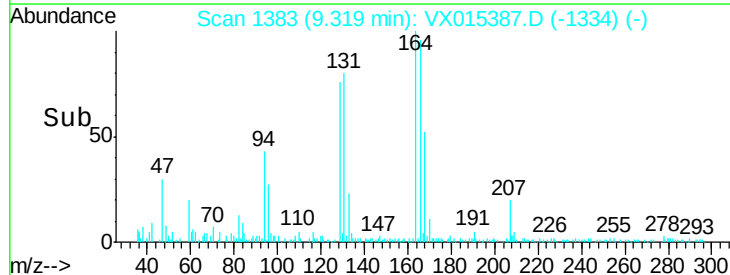
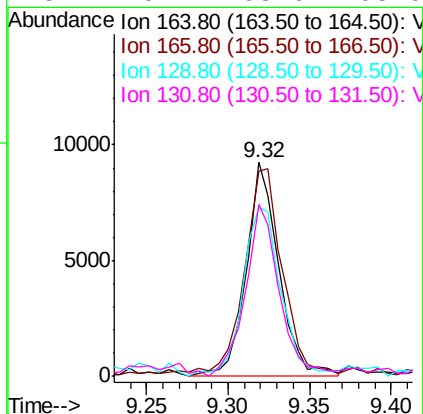
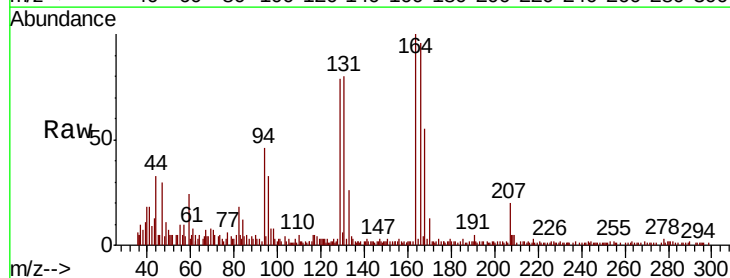
Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200316

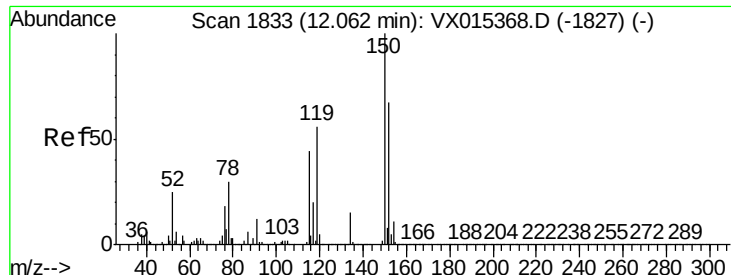
Tot Ion:117 Resp: 1795934
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.4 26.8 40.2



#64
Tetrachloroethene
Concen: 0.947 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015387.D
Acq: 27 Mar 2020 17:21

Tgt Ion:164 Resp: 12829
Ion Ratio Lower Upper
164 100
166 94.8 97.8 146.6#
129 76.5 73.0 109.4
131 79.2 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015387.D

Acq: 27 Mar 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200316

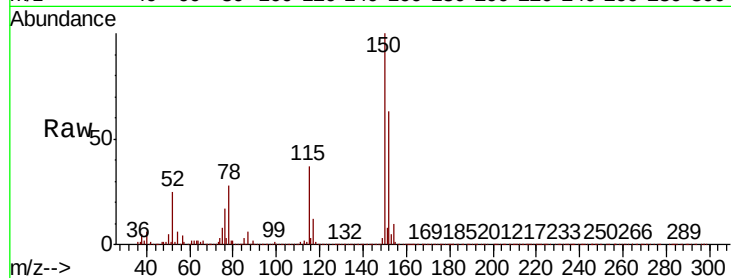
Tot Ion:152 Resp: 940019

Ion Ratio Lower Upper

152 100

115 58.9 39.0 116.9

150 159.4 0.0 340.8



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

