

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\
 Data File : VX012453.D
 Acq On : 17 Sep 2019 23:47
 Operator : JC/SP
 Sample : K4858-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20190910

Quant Time: Sep 18 04:54:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	153842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	243694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	105968	48.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.12%	
35) Dibromofluoromethane	5.49	113	74084	50.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.46%	
50) Toluene-d8	8.71	98	280151	51.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.14	95	103504	45.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.32%	

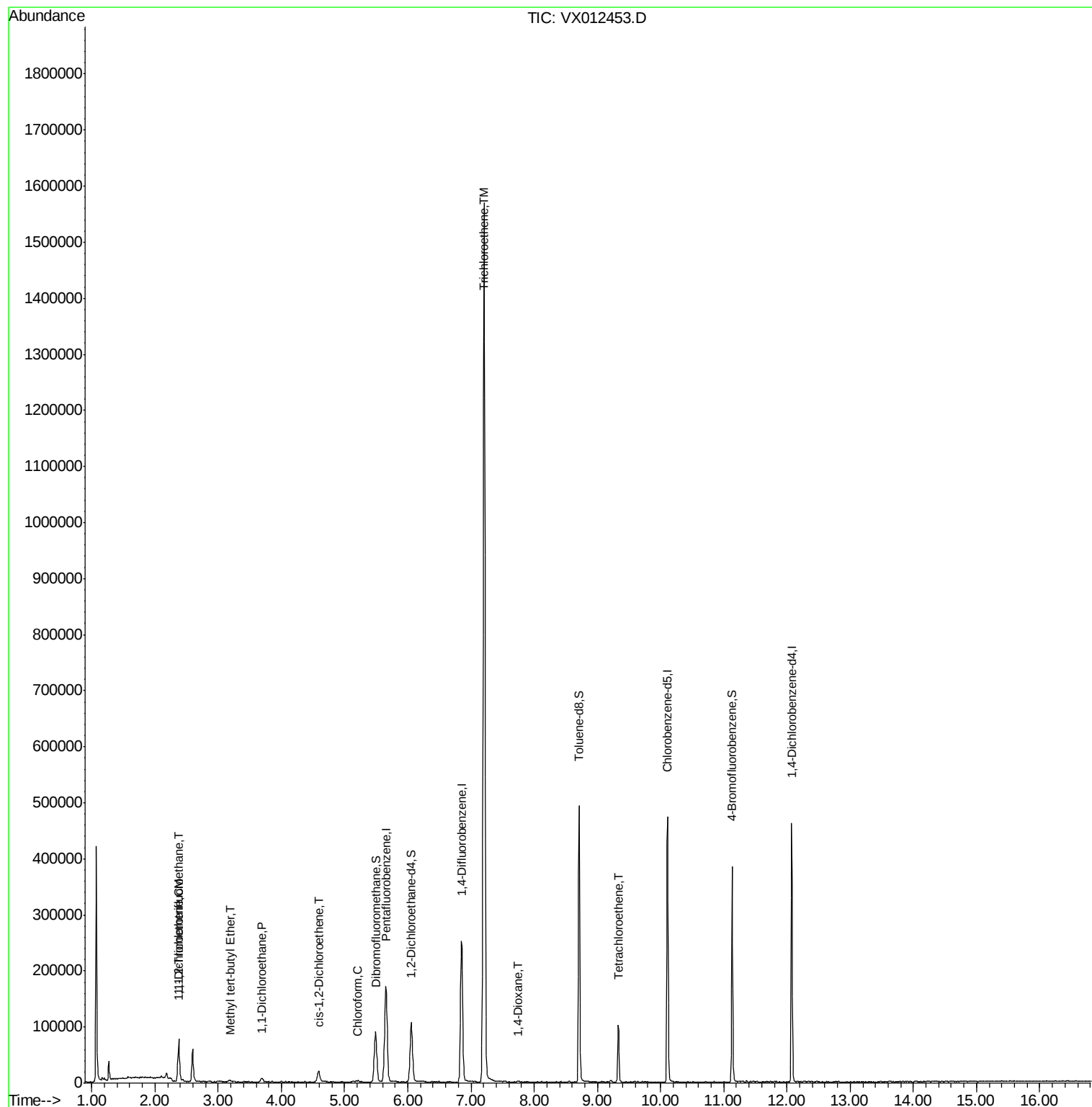
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24112	19.887	ug/l	98
12) 1,1-Dichloroethene	2.36	96	4995	5.164	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	3445	0.653	ug/l	96
24) 1,1-Dichloroethane	3.69	63	7222	2.863	ug/l #	97
27) cis-1,2-Dichloroethene	4.59	96	11434	7.621	ug/l	87
30) Chloroform	5.20	83	3380	1.167	ug/l	89
44) Trichloroethene	7.21	130	586720	473.582	ug/l	96
49) 1,4-Dioxane	7.75	88	1639	35.011	ug/l	89
64) Tetrachloroethene	9.33	164	18128	19.304	ug/l	94

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 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: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

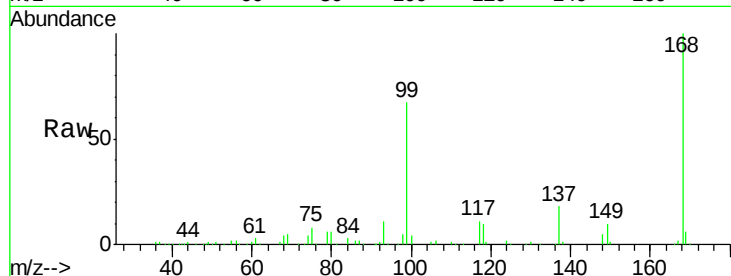
RE125D1-20190910

Tot Ion:168 Resp: 153842

Ion Ratio Lower Upper

168 100

99 67.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

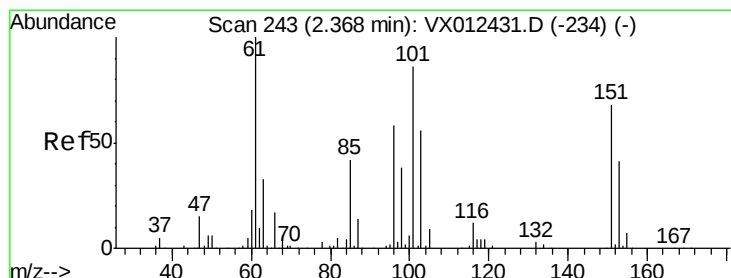
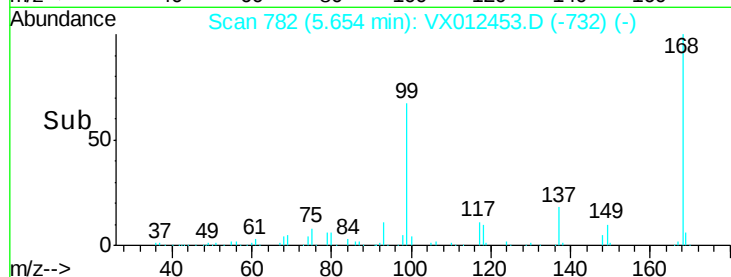
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.887 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

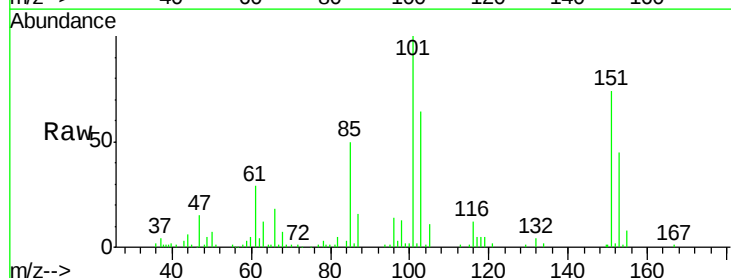
Tgt Ion:101 Resp: 24112

Ion Ratio Lower Upper

101 100

85 48.2 37.3 55.9

151 74.8 61.0 91.4



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

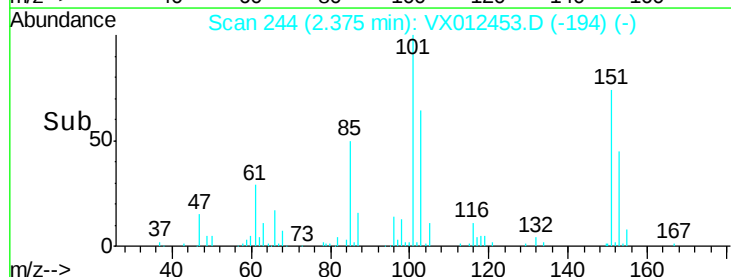
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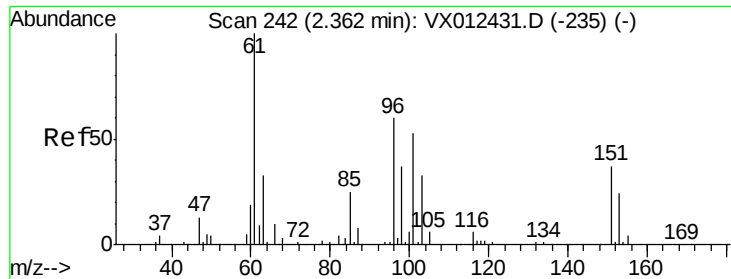
10000

5000

0

Time--> 2.30 2.35 2.40 2.45 2.50

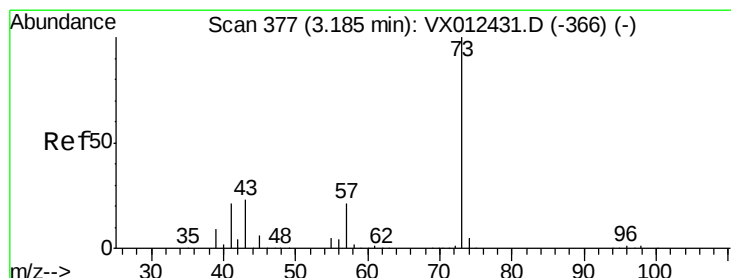
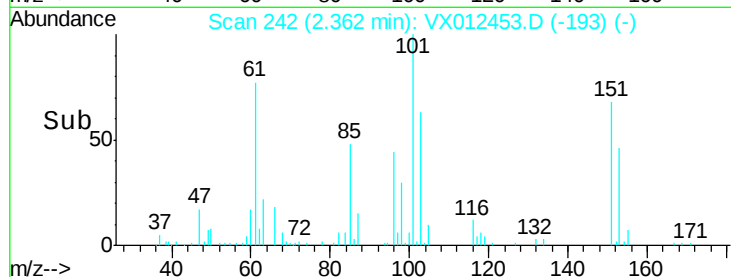
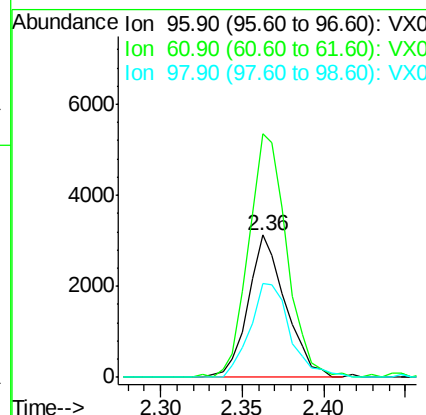
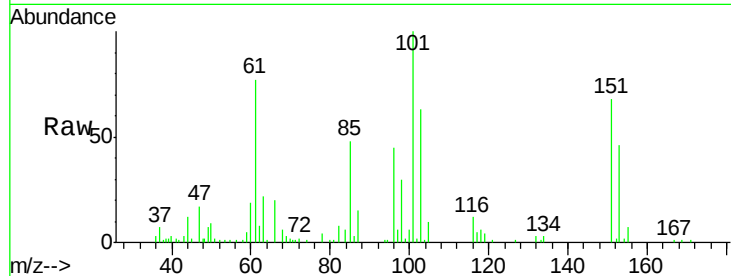




#12
 1,1-Dichloroethene
 Concen: 5.164 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012453.D
 Acq: 17 Sep 2019 23:47

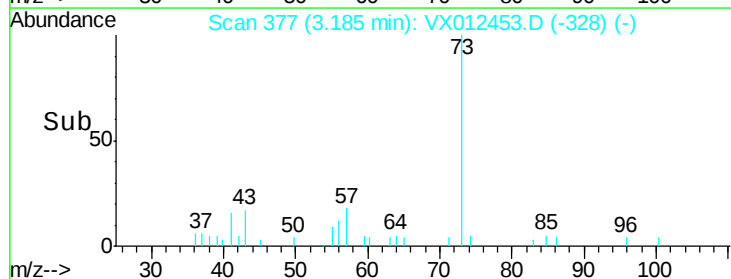
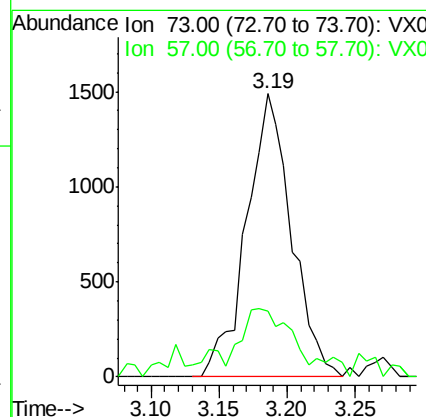
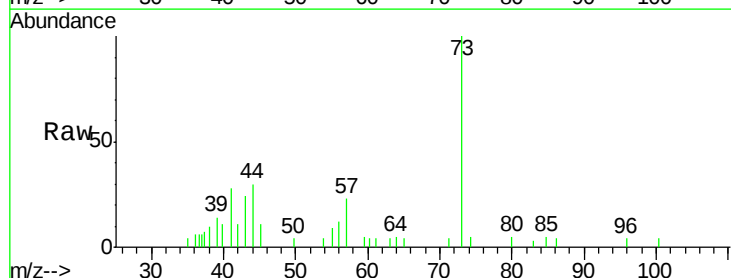
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20190910

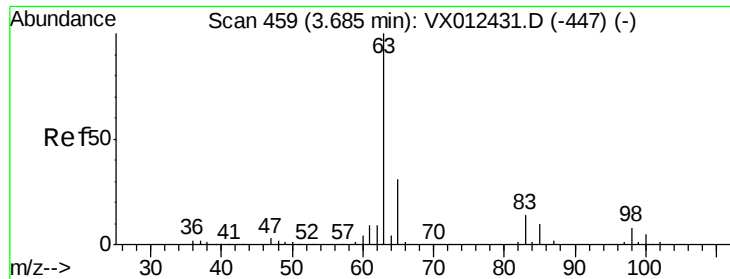
Tot Ion: 96 Resp: 4995
 Ion Ratio Lower Upper
 96 100
 61 171.6 133.8 200.6
 98 66.1 49.9 74.9



#19
 Methyl tert-butyl Ether
 Concen: 0.653 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012453.D
 Acq: 17 Sep 2019 23:47

Tgt Ion: 73 Resp: 3445
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.8 25.2





#24

1,1-Dichloroethane

Concen: 2.863 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20190910

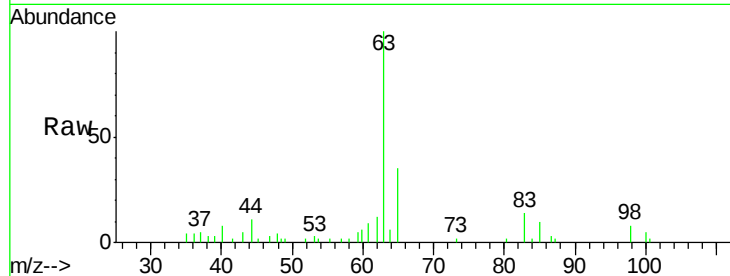
Tot Ion: 63 Resp: 7222

Ion Ratio Lower Upper

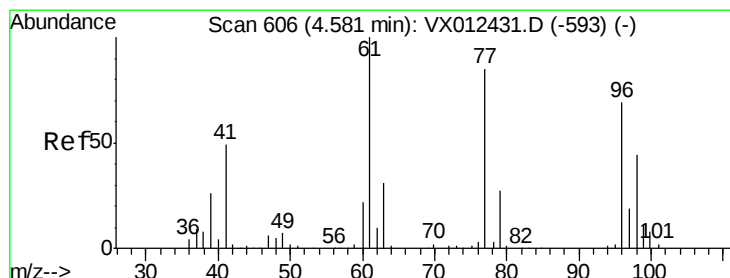
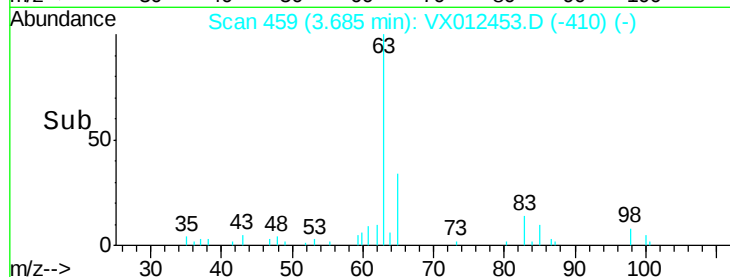
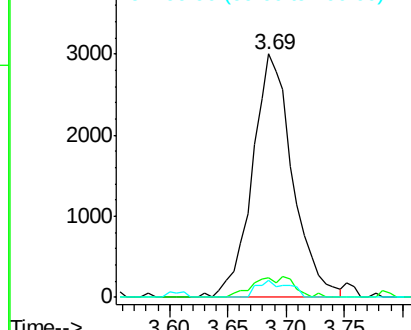
63 100

98 8.0 3.9 11.7

100 6.9 2.3 6.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 7.621 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

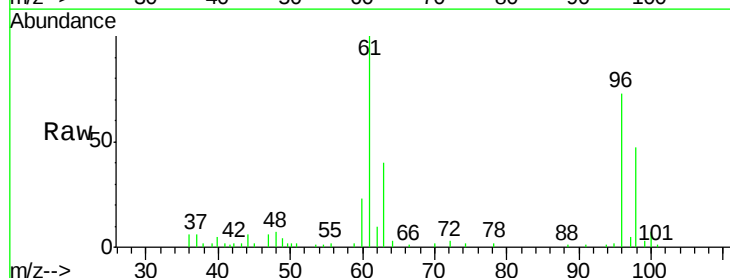
Tgt Ion: 96 Resp: 11434

Ion Ratio Lower Upper

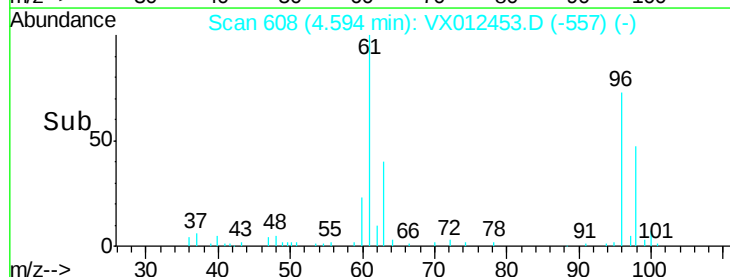
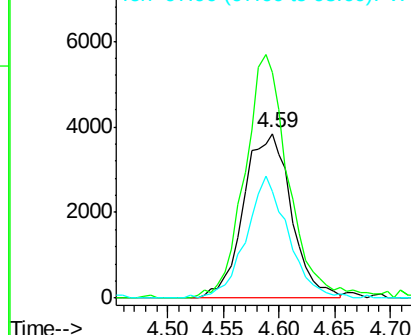
96 100

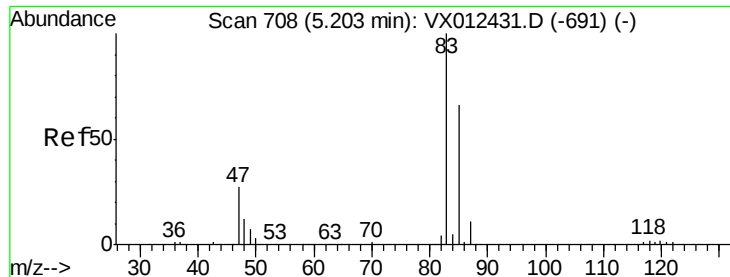
61 136.1 0.0 319.4

98 65.5 0.0 130.6



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

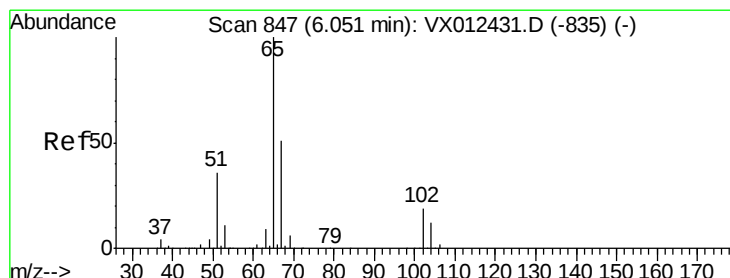
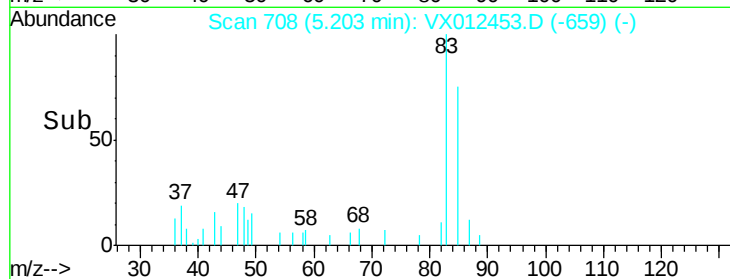
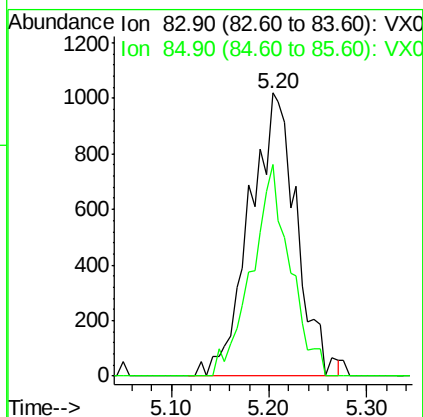
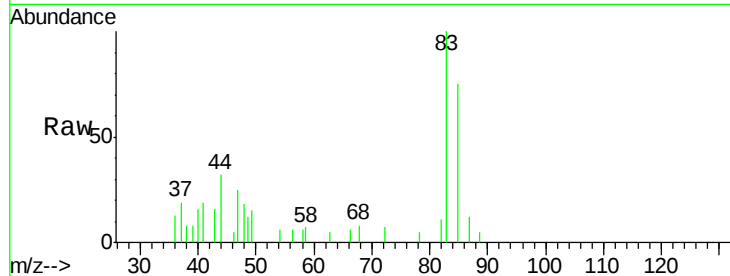




#30
Chloroform
Concen: 1.167 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012453.D
Acq: 17 Sep 2019 23:47

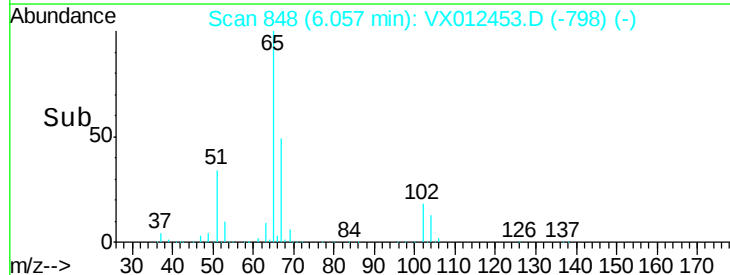
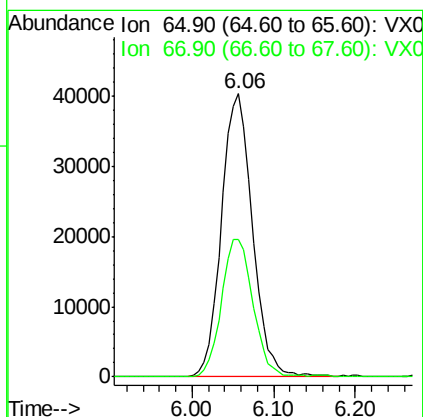
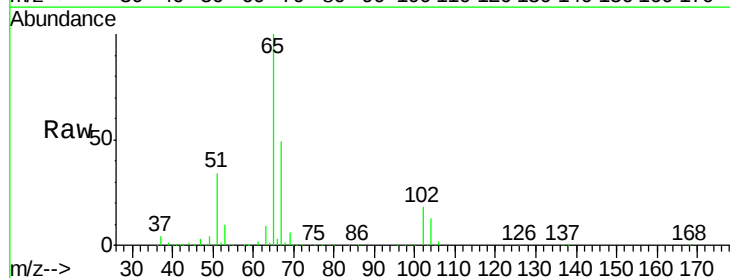
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20190910

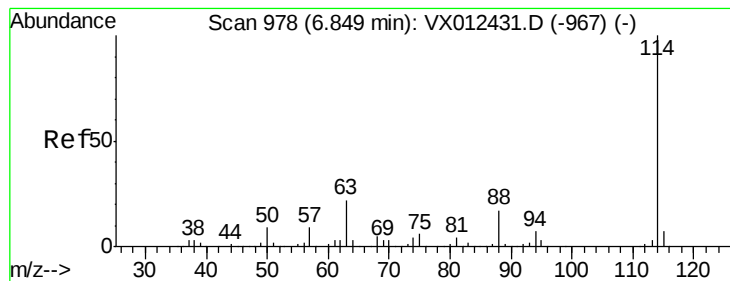
Tot Ion: 83 Resp: 3380
Ion Ratio Lower Upper
83 100
85 75.0 53.0 79.4



#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012453.D
Acq: 17 Sep 2019 23:47

Tgt Ion: 65 Resp: 105968
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20190910

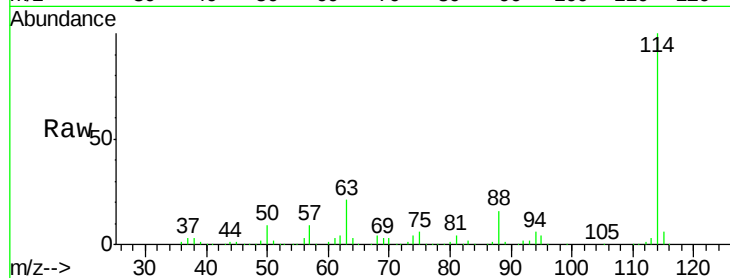
Tot Ion:114 Resp: 243694

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

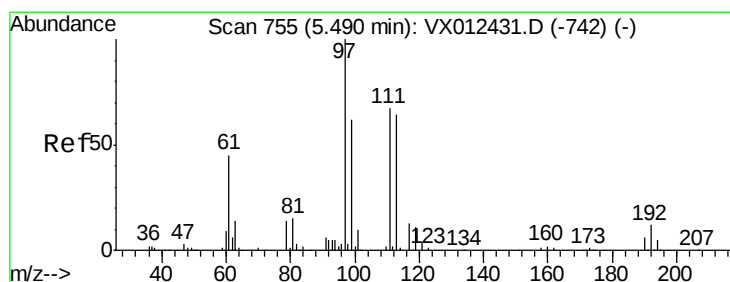
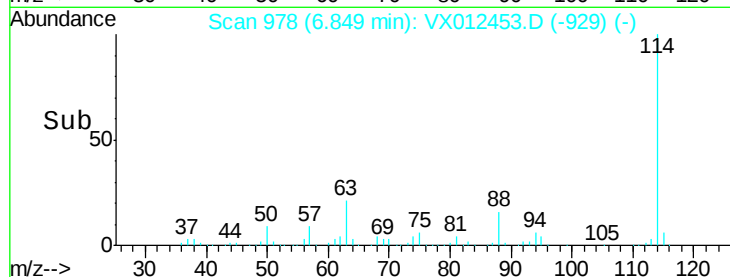
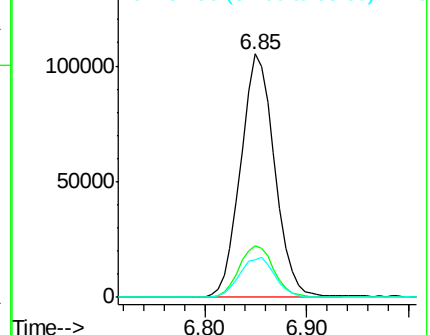
88 15.5 0.0 33.2



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: 50.227 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

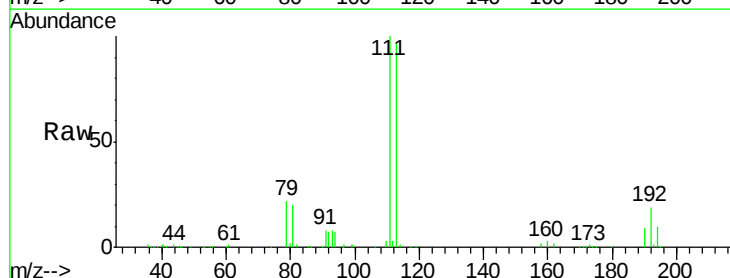
Tgt Ion:113 Resp: 74084

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

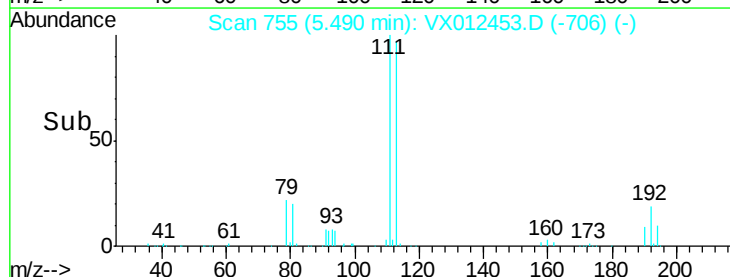
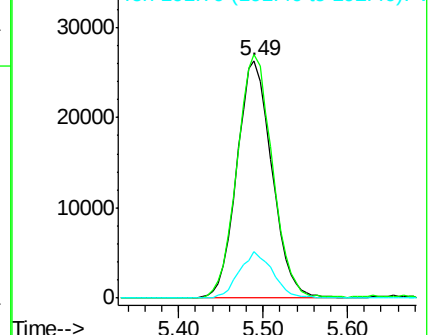
192 18.8 14.4 21.6

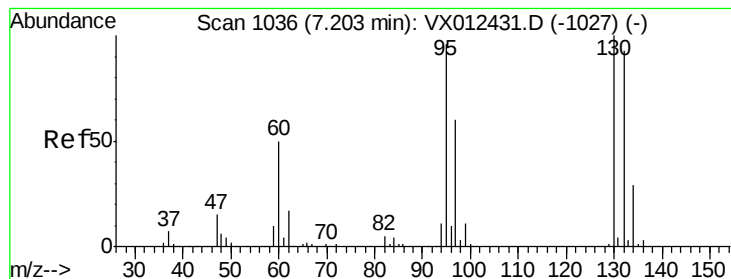


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 473.582 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

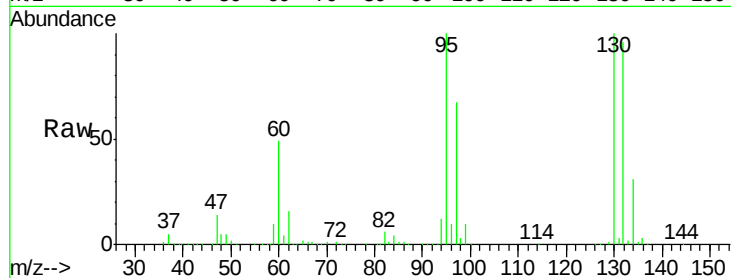
RE125D1-20190910

Tot Ion:130 Resp: 586720

Ion Ratio Lower Upper

130 100

95 100.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

300000

250000

200000

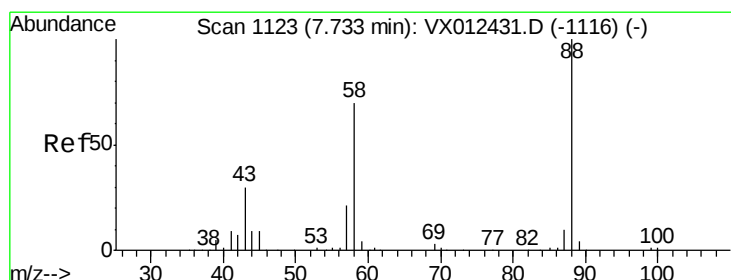
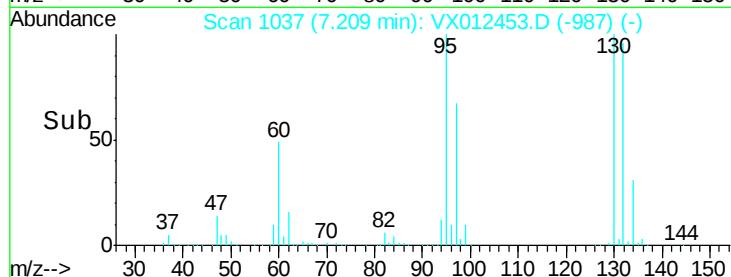
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 35.011 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

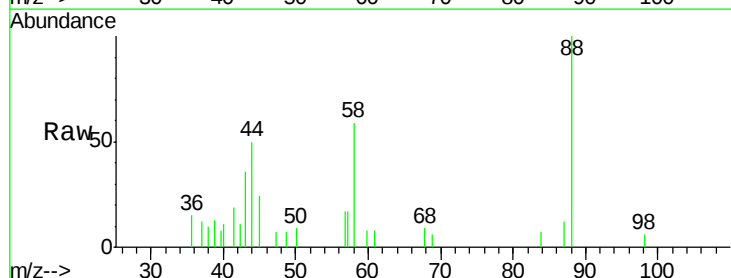
Tgt Ion: 88 Resp: 1639

Ion Ratio Lower Upper

88 100

43 43.3 29.4 44.0

58 80.9 57.5 86.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

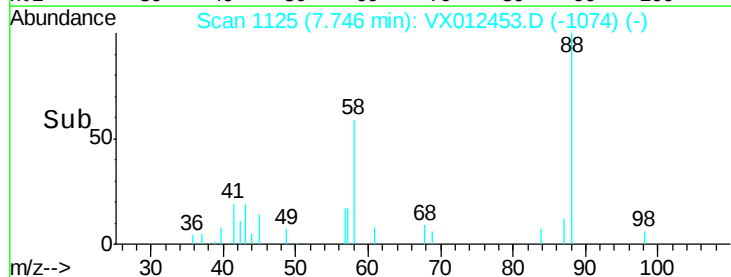
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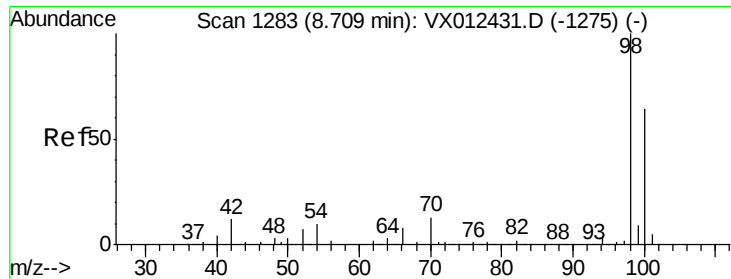
400

200

0

Time-->





#50

Toluene-d8

Concen: 51.314 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

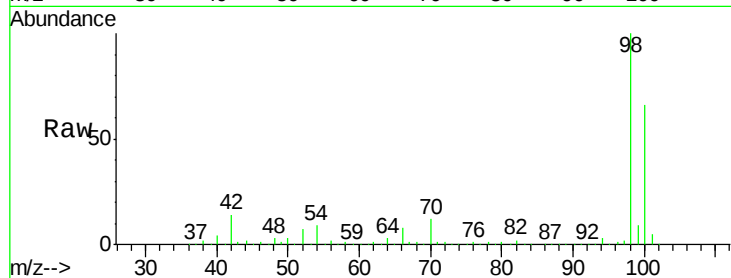
RE125D1-20190910

Tot Ion: 98 Resp: 280151

Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

200000

150000

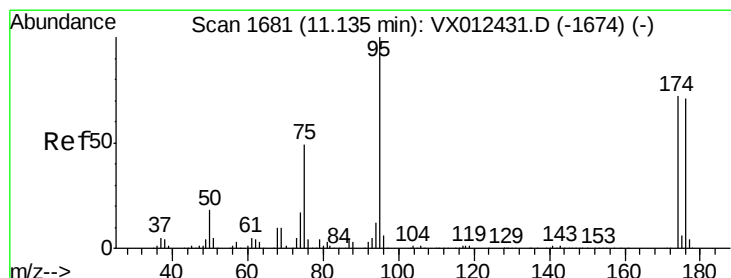
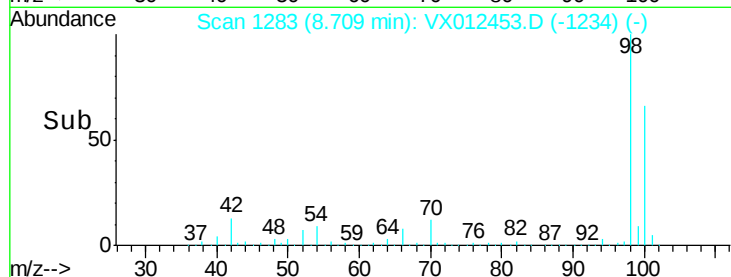
100000

50000

0

Time-->

8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: 45.660 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012453.D

Acq: 17 Sep 2019 23:47

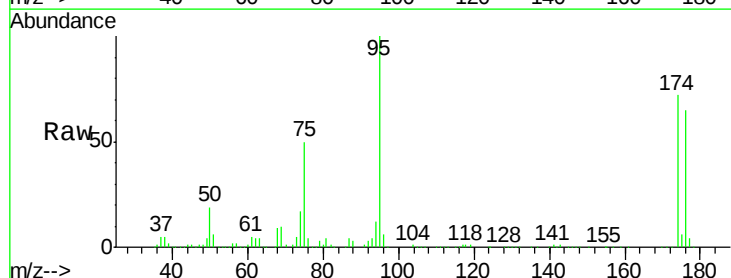
Tgt Ion: 95 Resp: 103504

Ion Ratio Lower Upper

95 100

174 70.6 0.0 140.0

176 66.6 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

100000

80000

60000

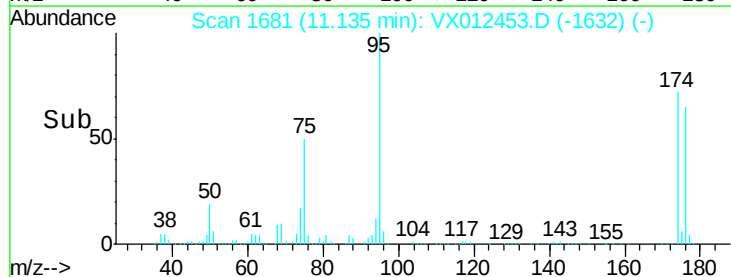
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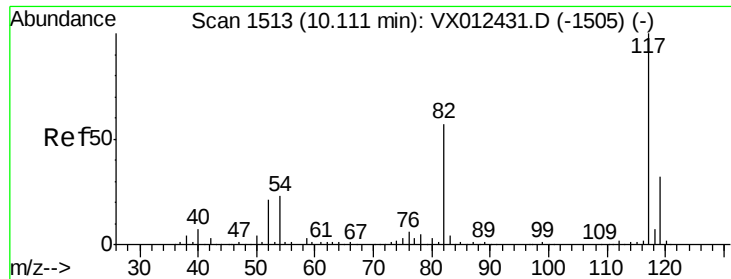
20000

0

Time-->

11.10 11.20

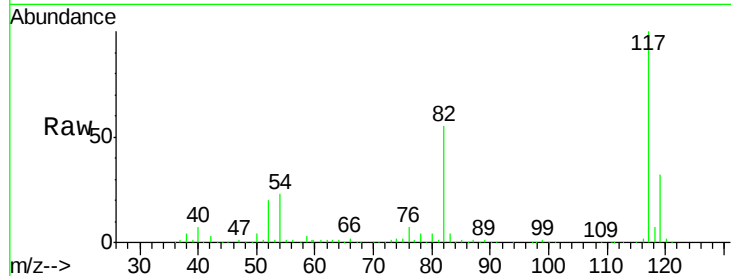




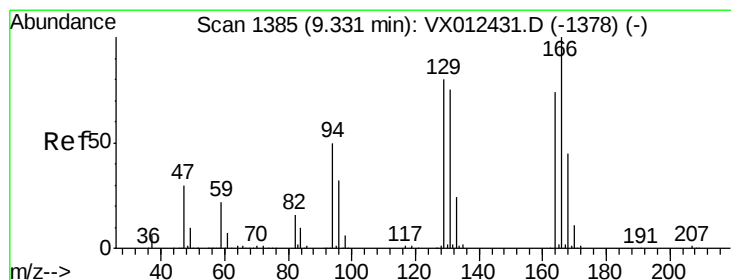
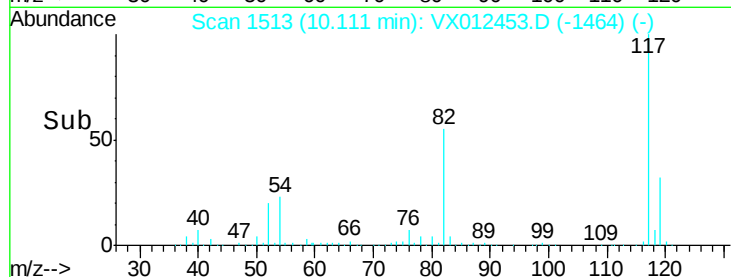
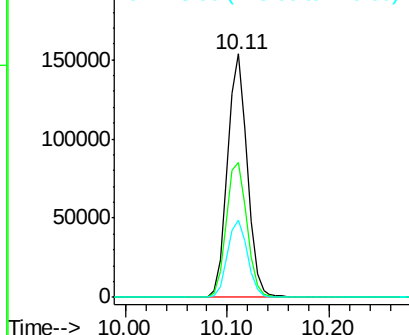
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012453.D
Acq: 17 Sep 2019 23:47

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20190910

Tot Ion:117 Resp: 204930
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 31.7 25.3 37.9



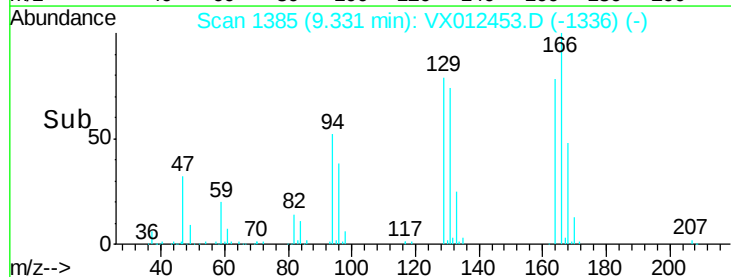
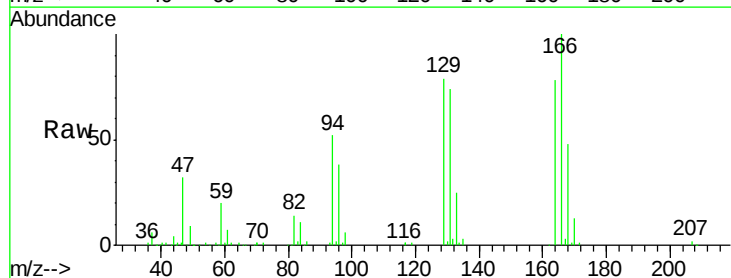
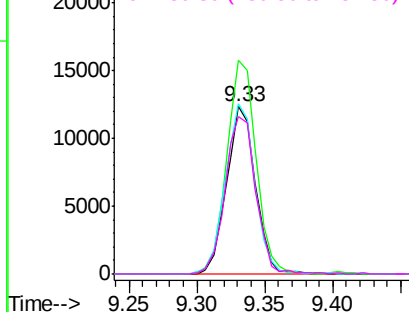
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

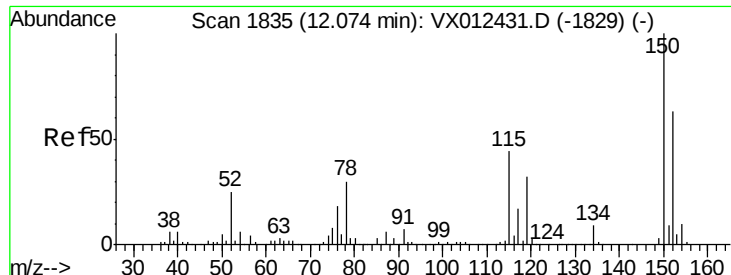


#64
Tetrachloroethene
Concen: 19.304 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012453.D
Acq: 17 Sep 2019 23:47

Tgt Ion:164 Resp: 18128
Ion Ratio Lower Upper
164 100
166 127.6 107.8 161.6
129 101.4 86.2 129.2
131 94.4 80.4 120.6

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: VX012453.D

Acq: 17 Sep 2019 23:47

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20190910

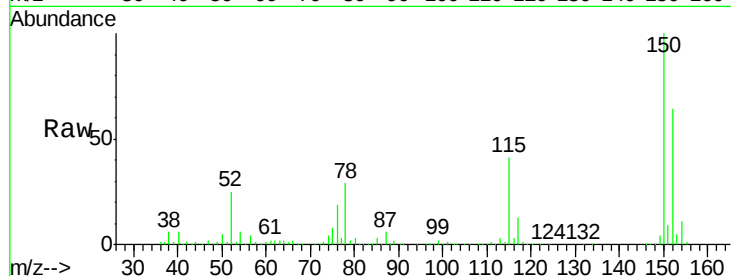
Tot Ion:152 Resp: 85482

Ion Ratio Lower Upper

152 100

115 62.2 44.1 132.3

150 156.5 0.0 343.8



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

