

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014047.D
 Acq On : 16 Dec 2019 19:53
 Operator : JC/SP
 Sample : K6251-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20191206

Quant Time: Dec 17 05:41:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

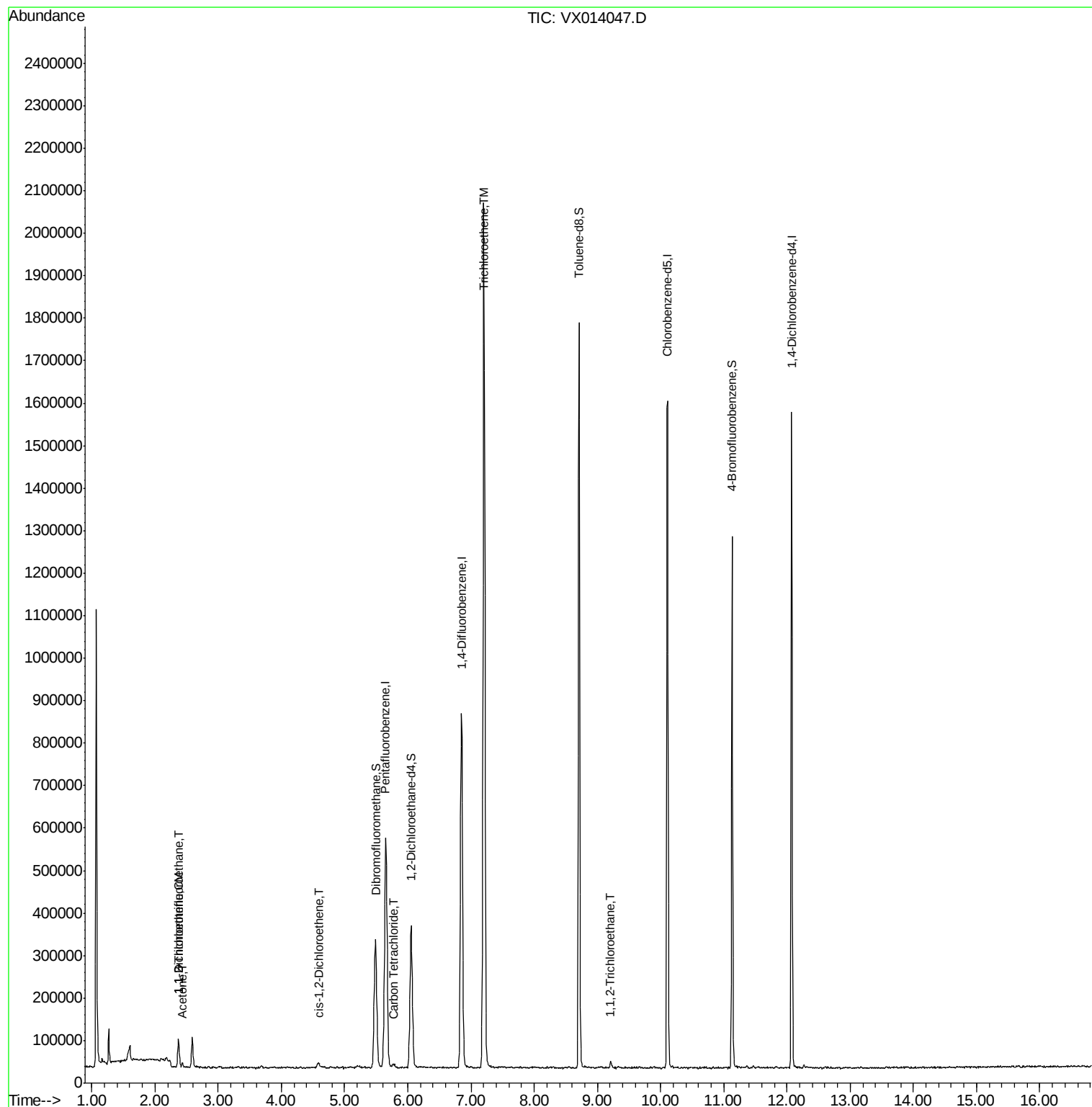
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	563390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	763666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	323166	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	317107	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	260151	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	1021588	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.14	95	334530	44.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.00%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17222	3.234	ug/l	100
12) 1,1-Dichloroethene	2.36	96	12840	2.369	ug/l	96
16) Acetone	2.44	43	13022	3.141	ug/l #	88
27) cis-1,2-Dichloroethene	4.58	96	8550	1.266	ug/l	92
38) Carbon Tetrachloride	5.78	117	7082	0.975	ug/l	95
44) Trichloroethene	7.21	130	812519	119.914	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	4606	0.741	ug/l	88

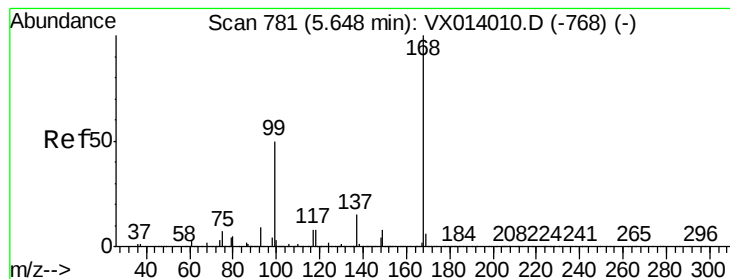
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

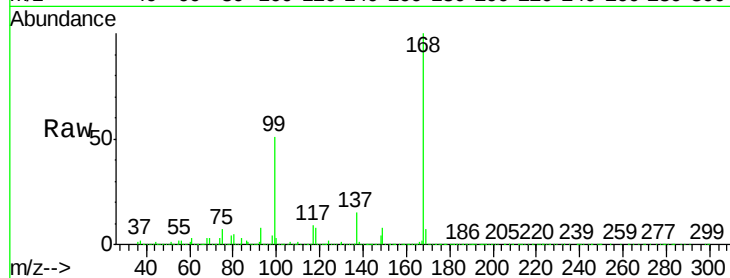
DUP04-20191206

Tot Ion:168 Resp: 563390

Ion Ratio Lower Upper

168 100

99 51.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

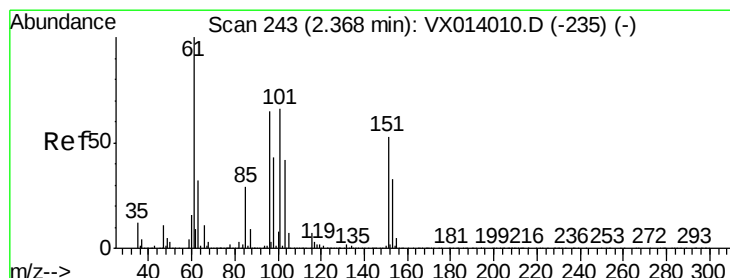
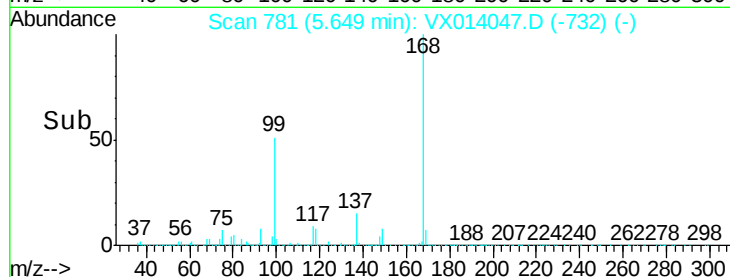
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.234 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

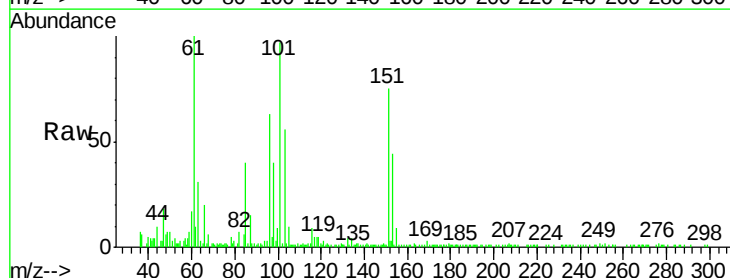
Tgt Ion:101 Resp: 17222

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

151 80.4 64.5 96.7



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

12000

10000

8000

6000

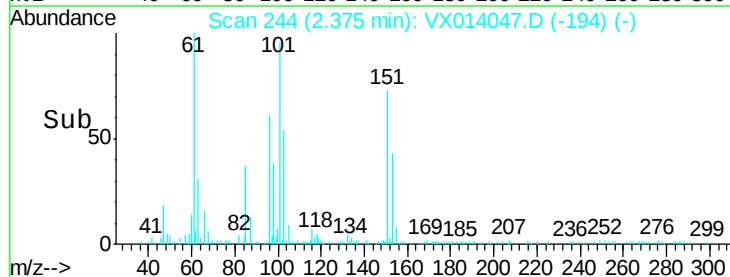
4000

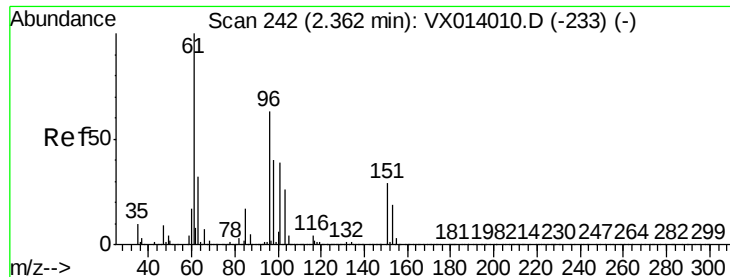
2000

0

Time-->

2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 2.369 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20191206

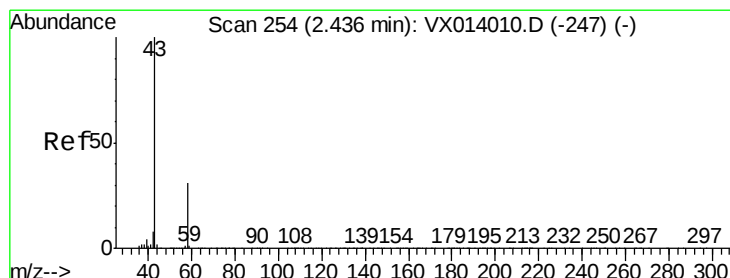
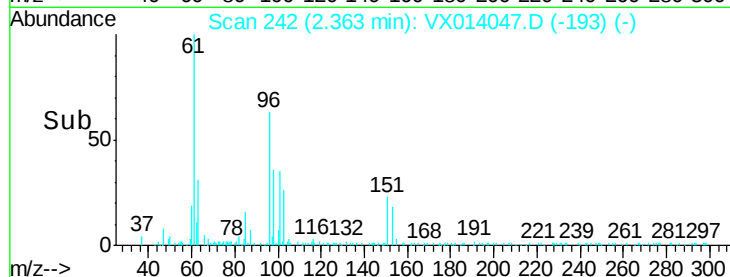
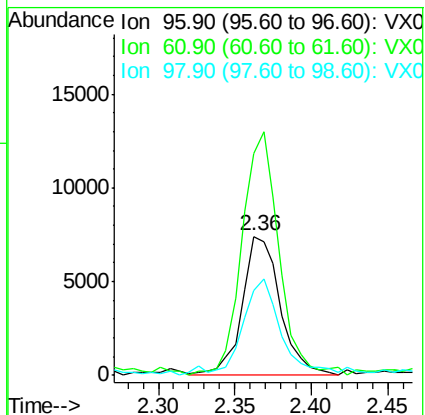
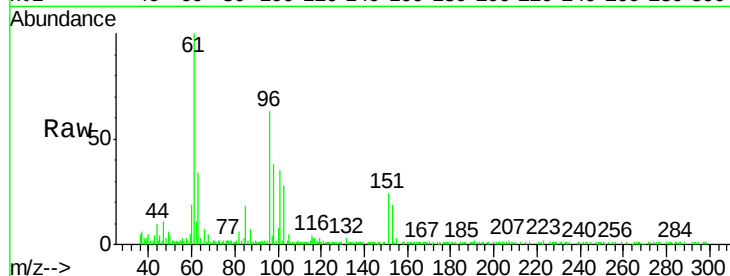
Tot Ion: 96 Resp: 12840

Ion Ratio Lower Upper

96 100

61 155.6 127.9 191.9

98 59.0 50.5 75.7



#16

Acetone

Concen: 3.141 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014047.D

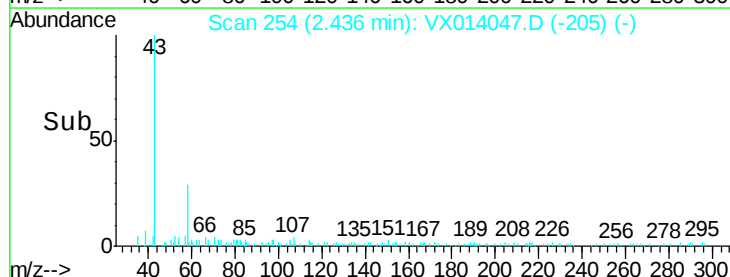
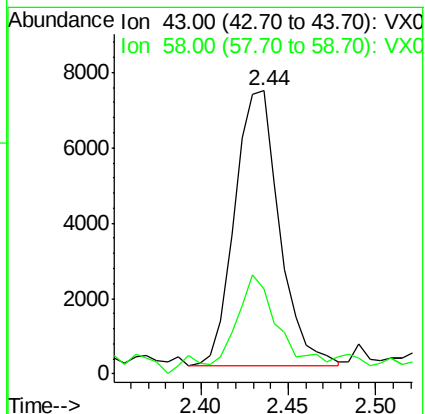
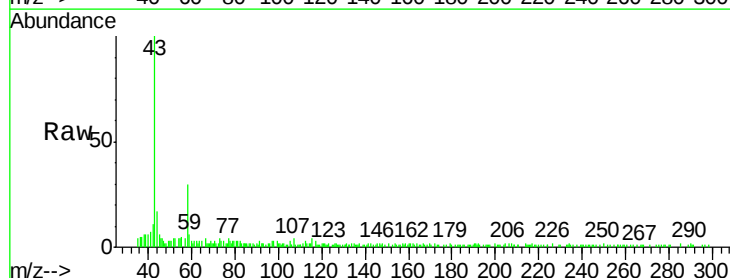
Acq: 16 Dec 2019 19:53

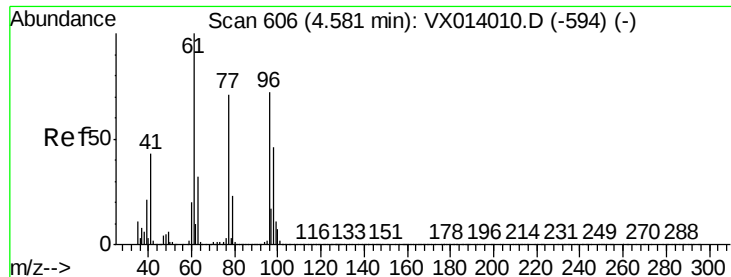
Tgt Ion: 43 Resp: 13022

Ion Ratio Lower Upper

43 100

58 24.4 24.9 37.3#



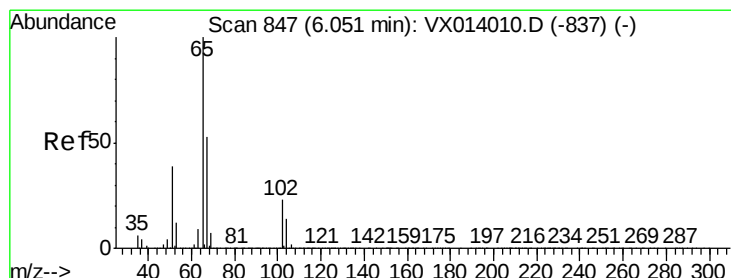
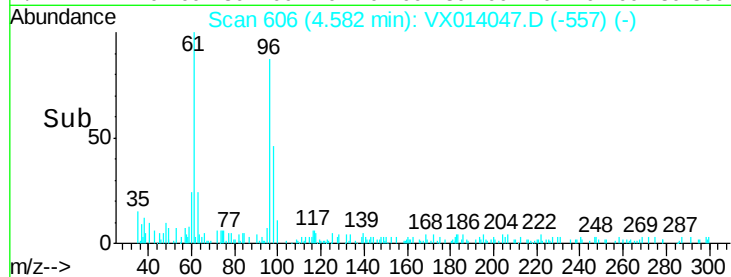
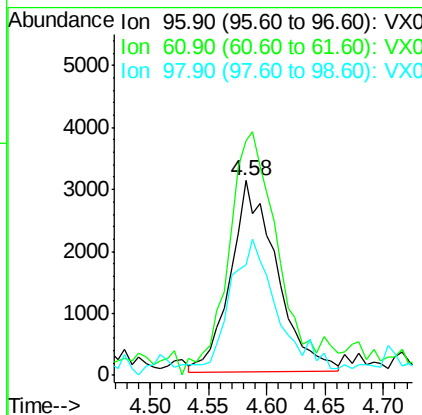
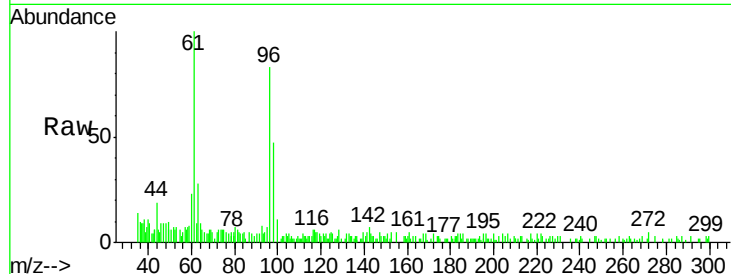


#27

cis-1,2-Dichloroethene
Concen: 1.266 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014047.D
Acq: 16 Dec 2019 19:53

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20191206

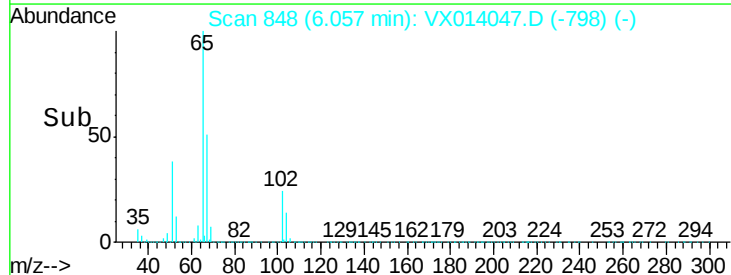
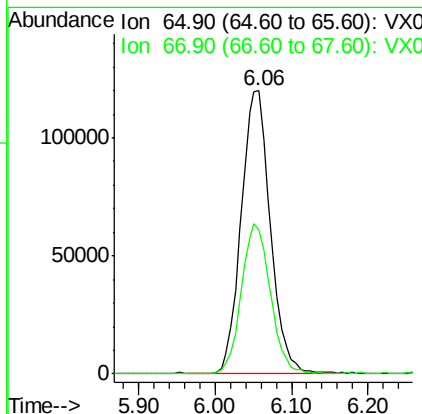
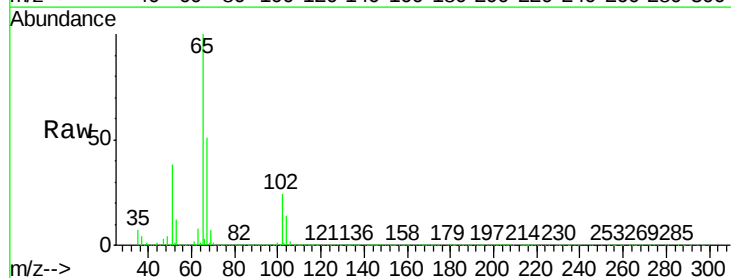
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	288.4
98	69.9	0.0	129.6

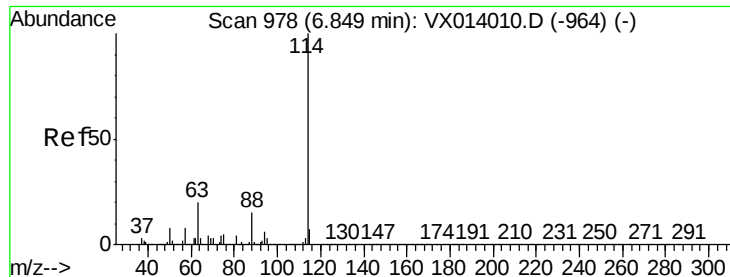


#33

1,2-Dichloroethane-d4
Concen: 49.662 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014047.D
Acq: 16 Dec 2019 19:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20191206

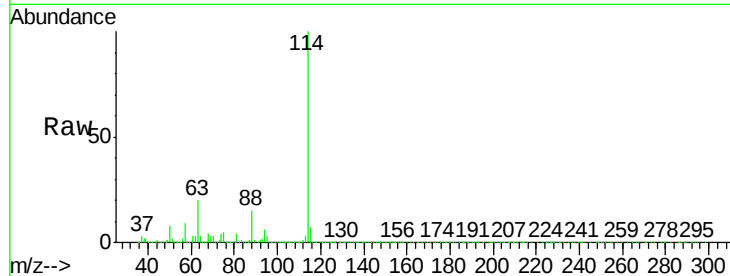
Tot Ion:114 Resp: 868927

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

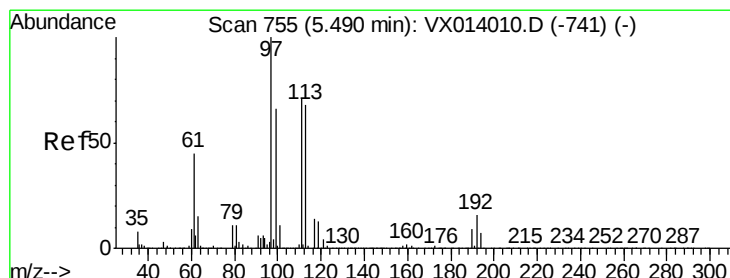
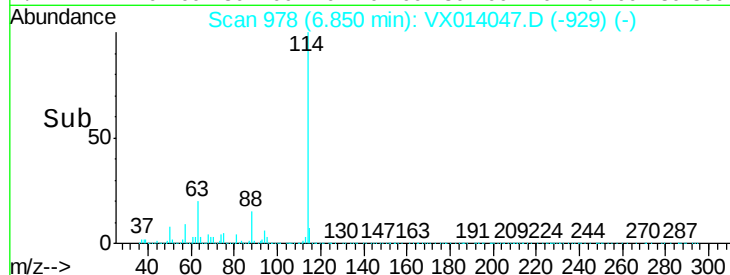
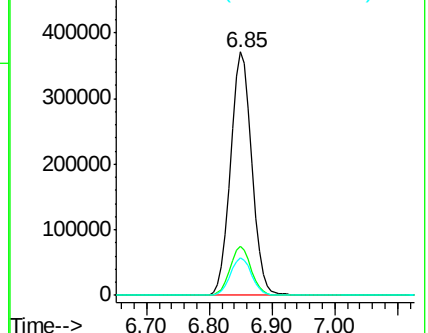
88 15.2 0.0 30.4



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: 49.251 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

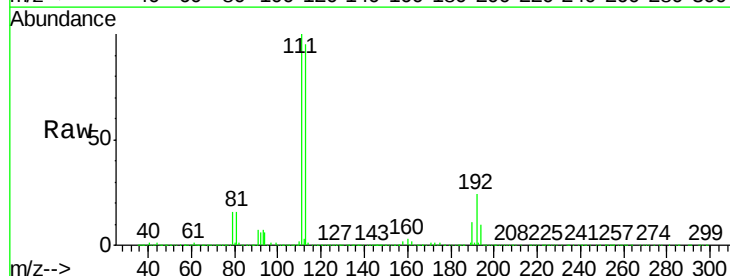
Tgt Ion:113 Resp: 260151

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

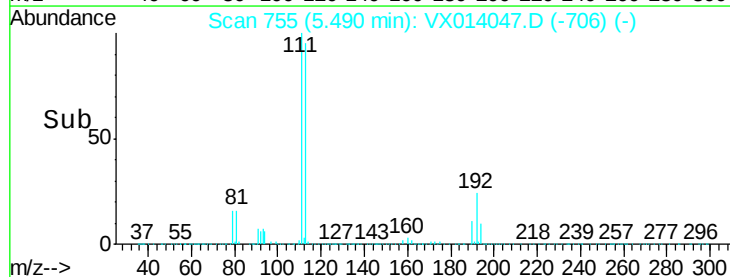
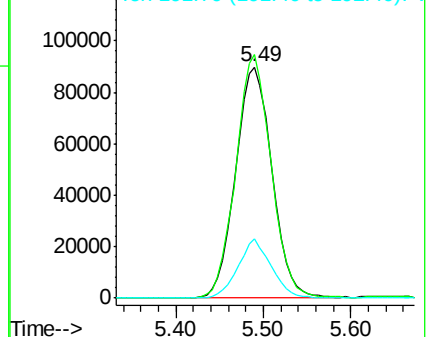
192 23.2 19.3 28.9

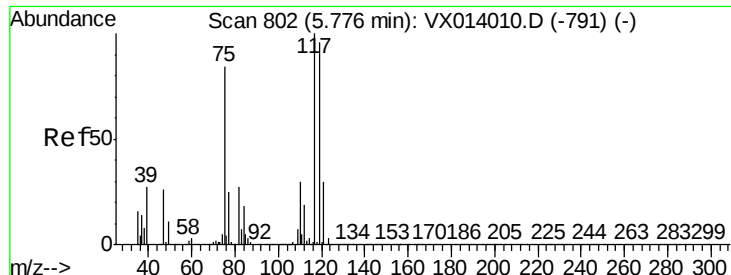


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.975 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20191206

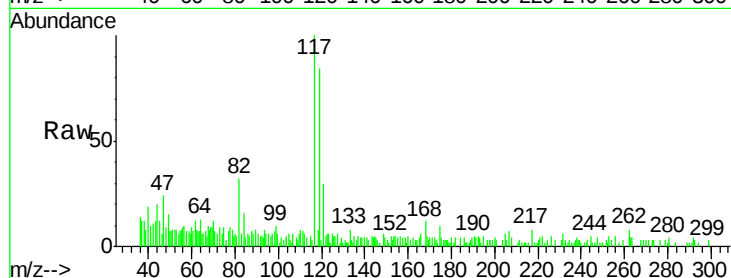
Tot Ion:117 Resp: 7082

Ion Ratio Lower Upper

117 100

119 89.5 76.2 114.4

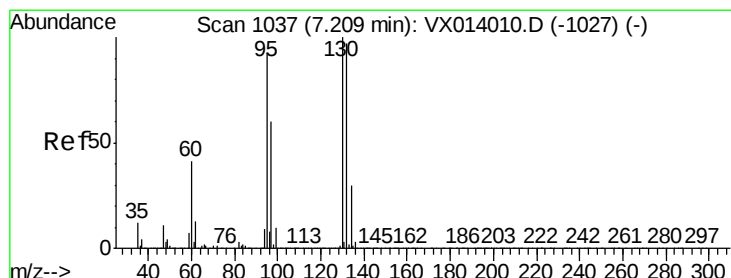
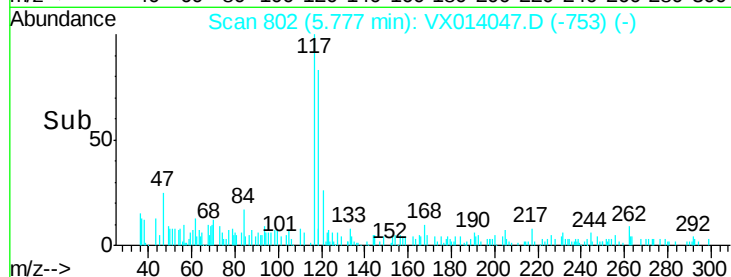
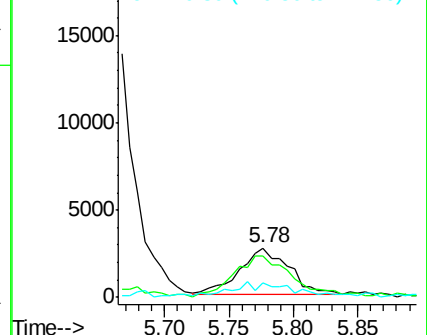
121 28.5 23.6 35.4



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: 119.914 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014047.D

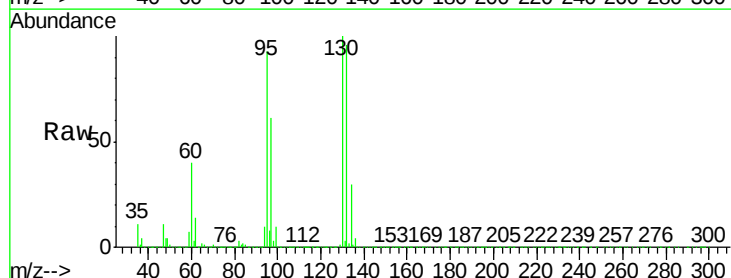
Acq: 16 Dec 2019 19:53

Tgt Ion:130 Resp: 812519

Ion Ratio Lower Upper

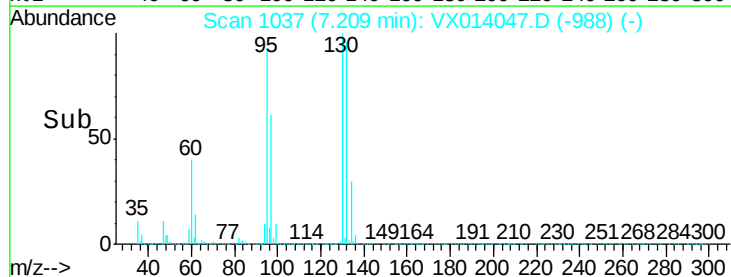
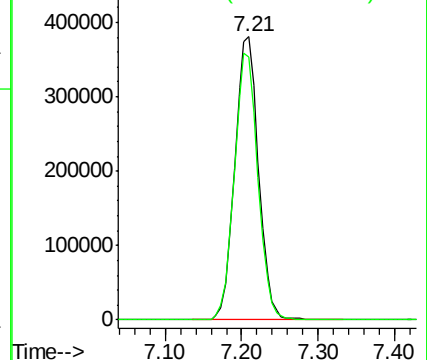
130 100

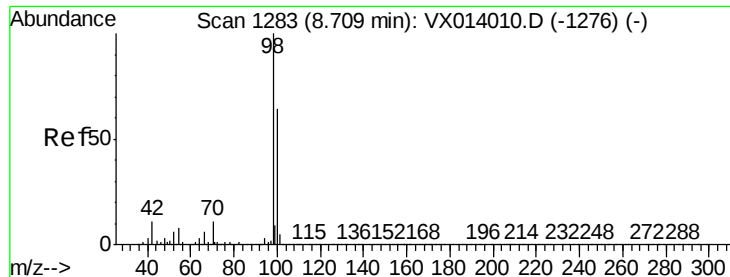
95 92.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.677 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

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ClientSampleId :

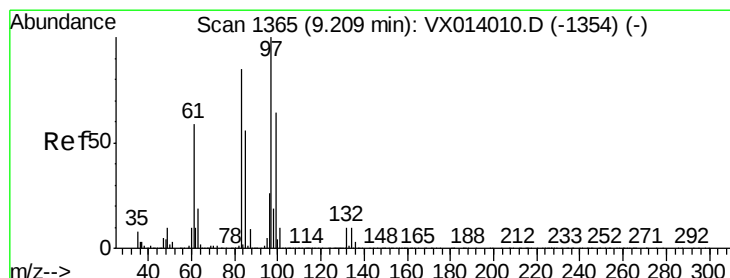
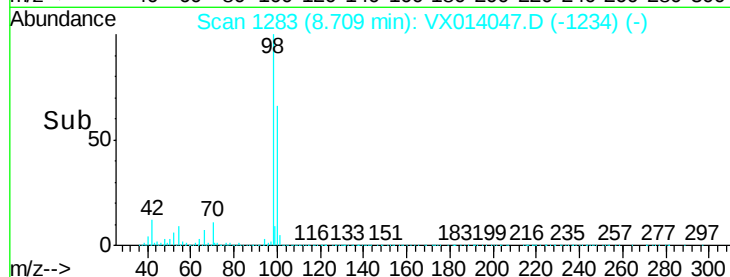
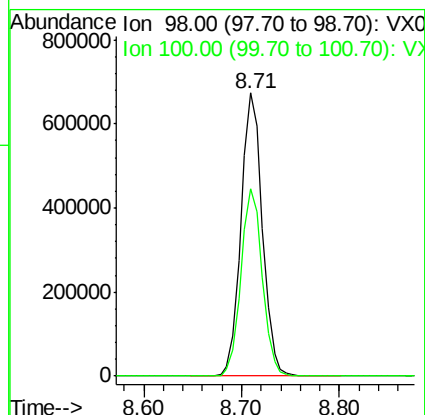
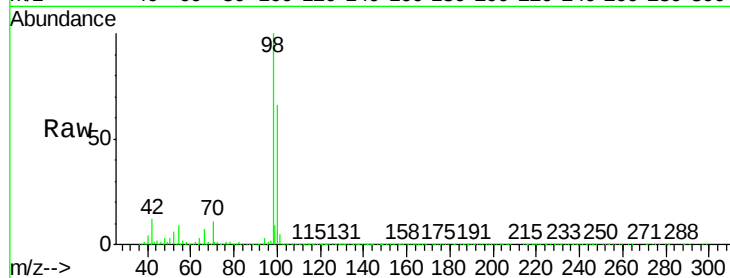
DUP04-20191206

Tot Ion: 98 Resp: 1021588

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.741 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Tgt Ion: 97 Resp: 4606

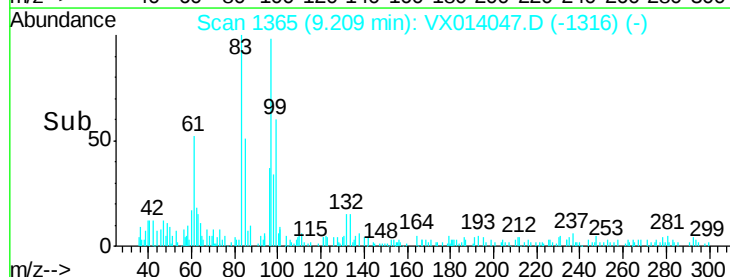
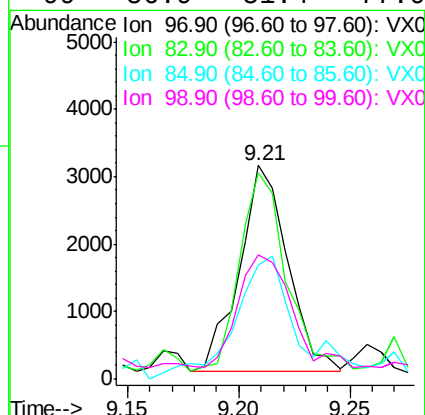
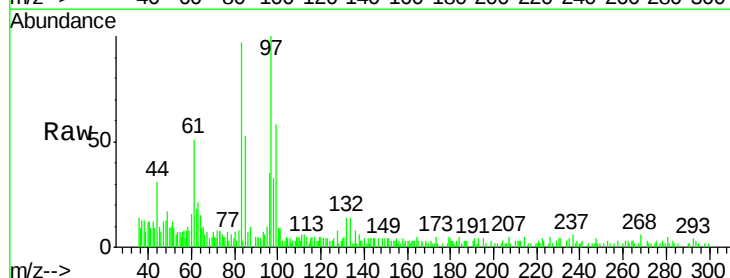
Ion Ratio Lower Upper

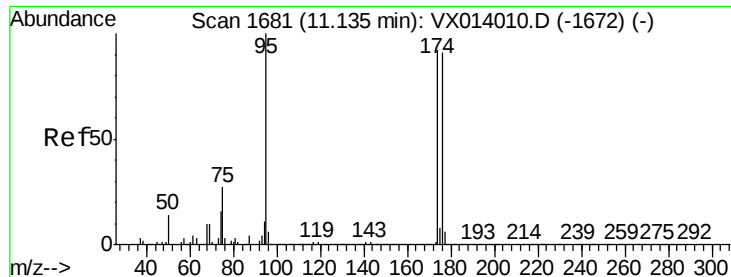
97 100

83 101.8 68.2 102.4

85 50.8 44.6 66.8

99 56.9 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 44.502 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

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ClientSampleId :

DUP04-20191206

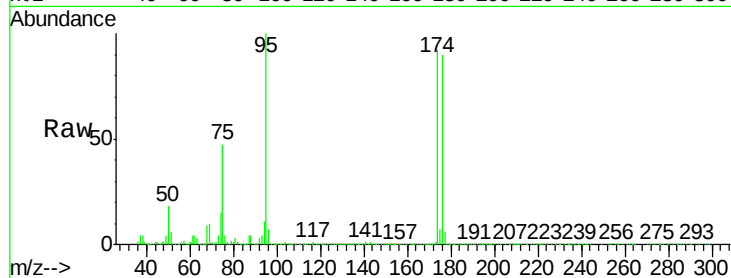
Tot Ion: 95 Resp: 334530

Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.8

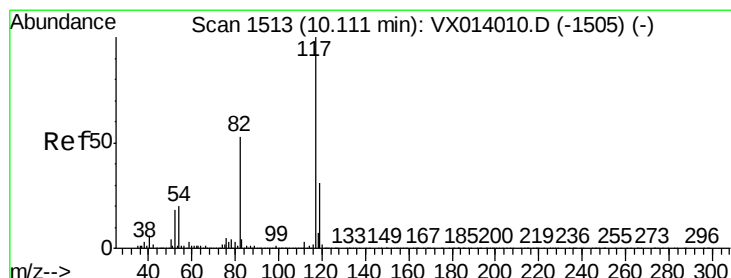
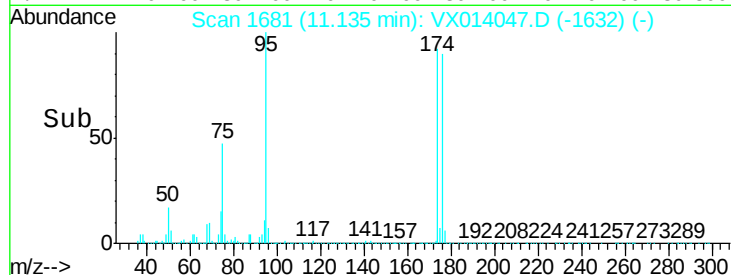
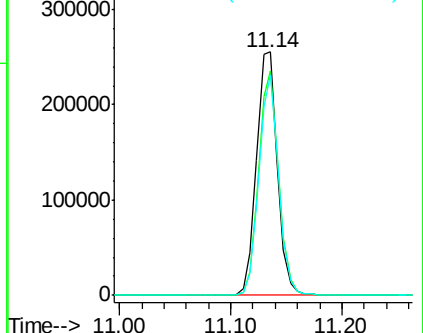
176 85.8 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014047.D

Acq: 16 Dec 2019 19:53

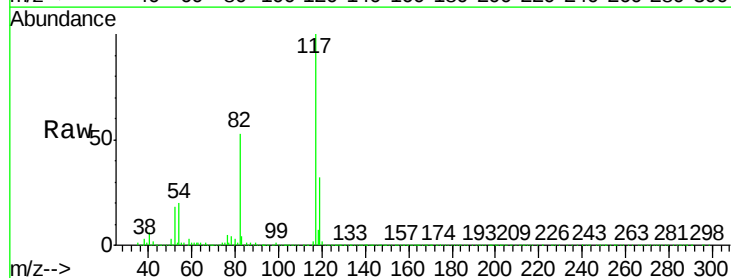
Tgt Ion: 117 Resp: 763666

Ion Ratio Lower Upper

117 100

82 53.3 42.2 63.4

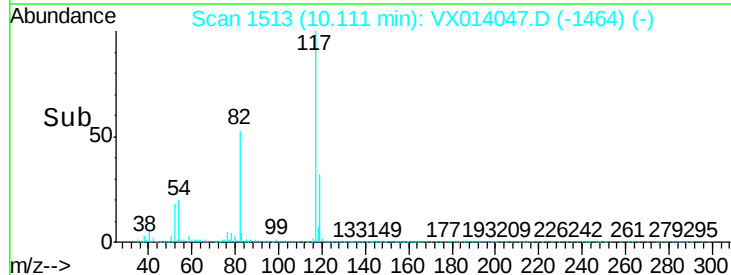
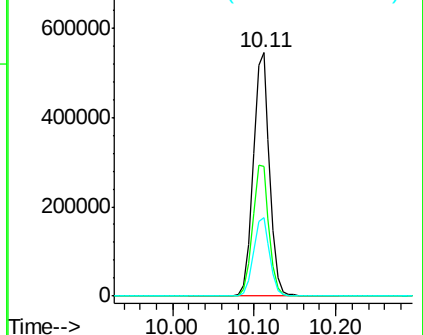
119 32.0 25.1 37.7

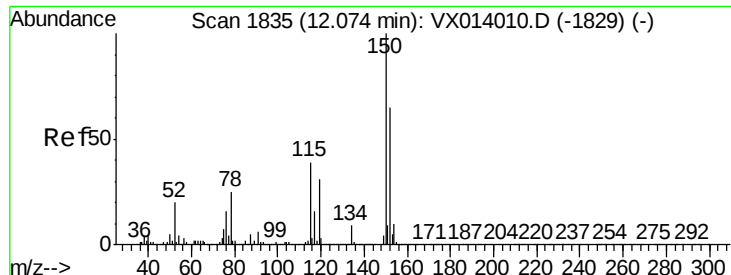


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): 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: VX014047.D

Acq: 16 Dec 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20191206

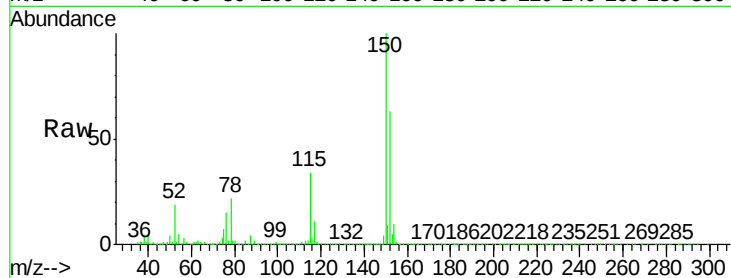
Tot Ion:152 Resp: 323166

Ion Ratio Lower Upper

152 100

115 54.9 38.3 114.9

150 155.9 0.0 345.4



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

