

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012564.D
 Acq On : 20 Sep 2019 17:55
 Operator : JC/SP
 Sample : K4883-04DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-20190911DL

Quant Time: Sep 21 03:28:58 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

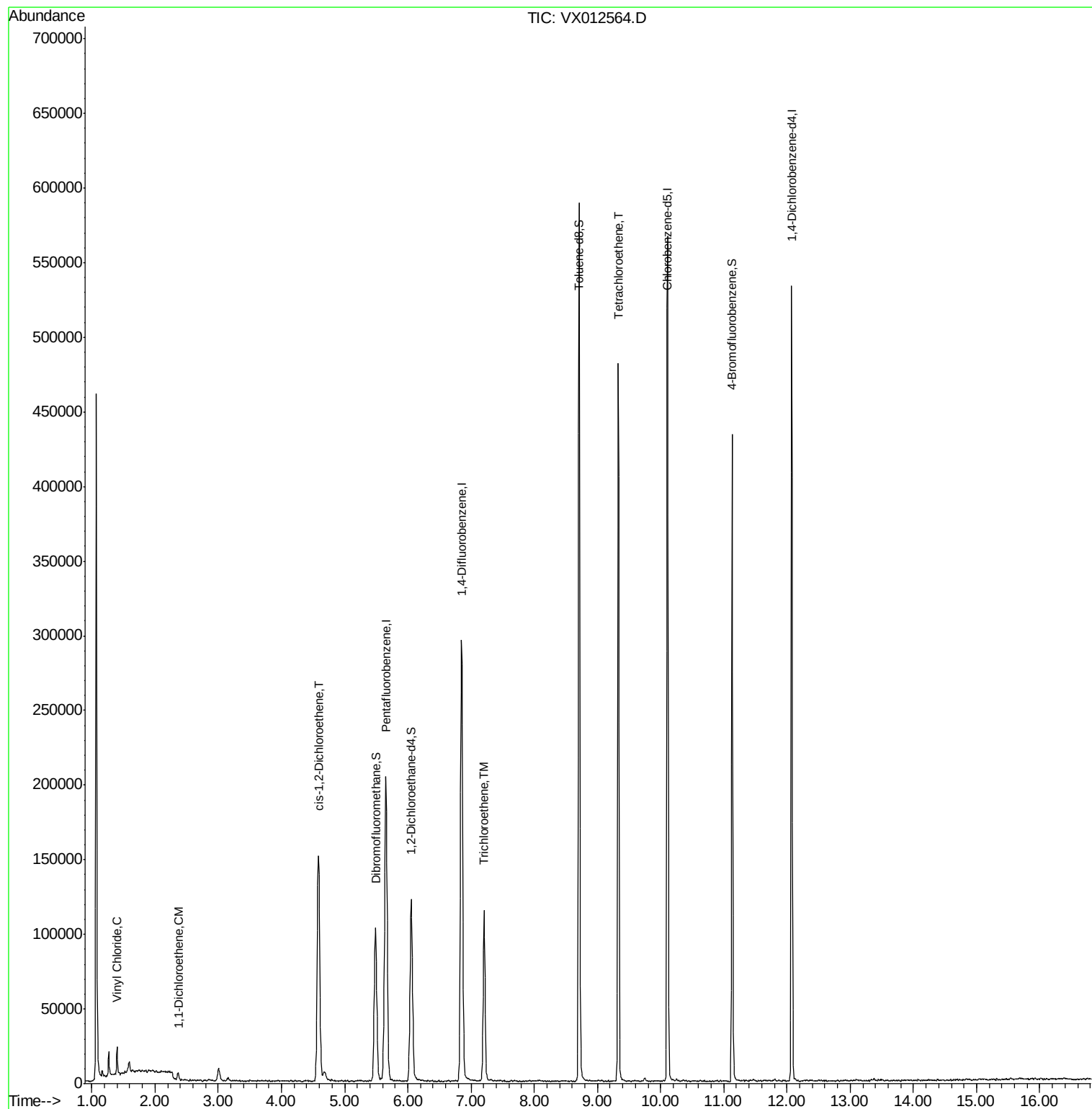
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288523	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100727	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120415	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
35) Dibromofluoromethane	5.49	113	86826	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
50) Toluene-d8	8.71	98	330804	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	119493	44.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.04%	
Target Compounds						
4) Vinyl Chloride	1.40	62	10795	10.099	ug/l	95
12) 1,1-Dichloroethene	2.37	96	1528	1.351	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	95914	54.670	ug/l	85
44) Trichloroethene	7.21	130	43347	29.552	ug/l	93
64) Tetrachloroethene	9.33	164	84976	75.561	ug/l	97

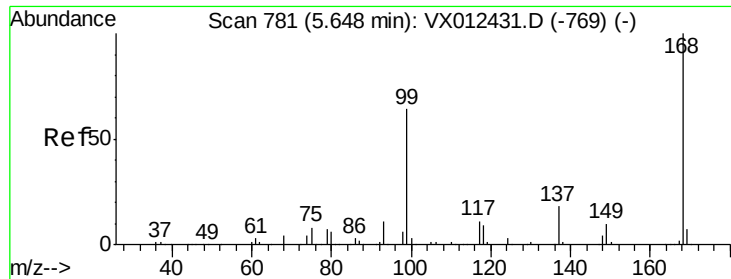
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012564.D

Acq: 20 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

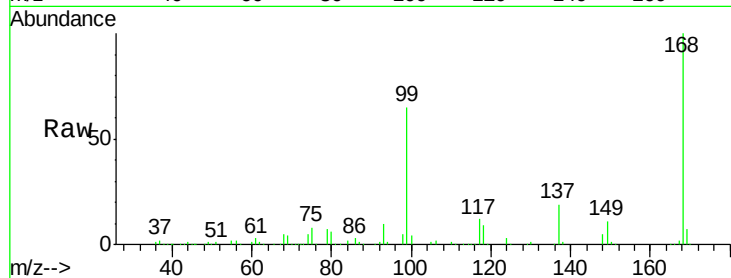
DUP-20190911DL

Tot Ion:168 Resp: 179888

Ion Ratio Lower Upper

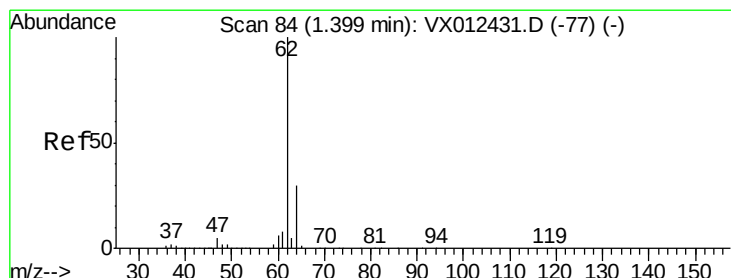
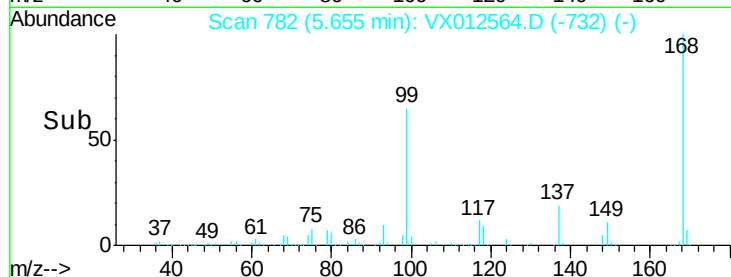
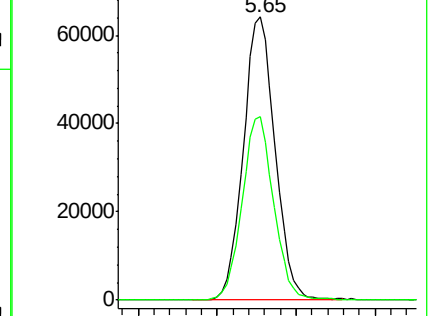
168 100

99 64.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 10.099 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012564.D

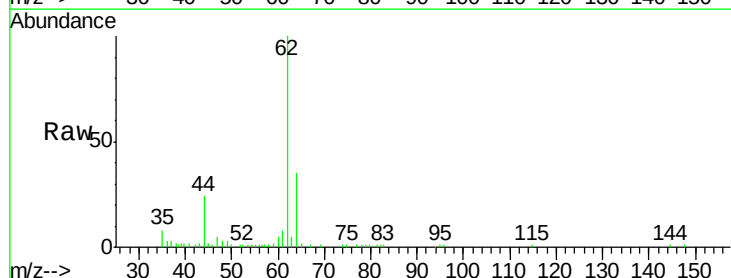
Acq: 20 Sep 2019 17:55

Tgt Ion: 62 Resp: 10795

Ion Ratio Lower Upper

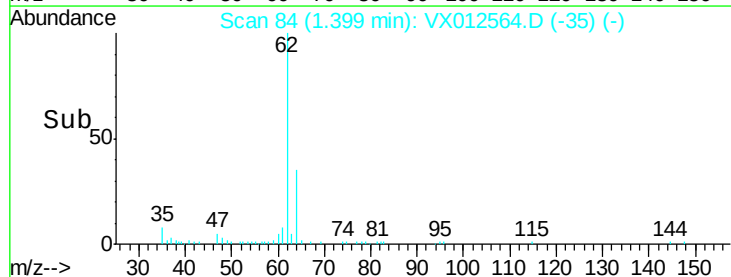
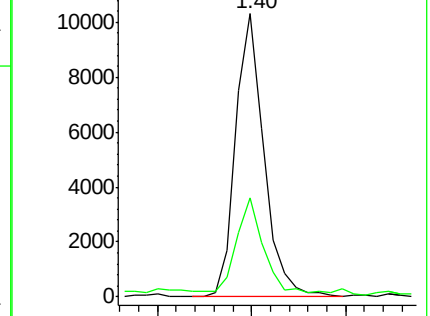
62 100

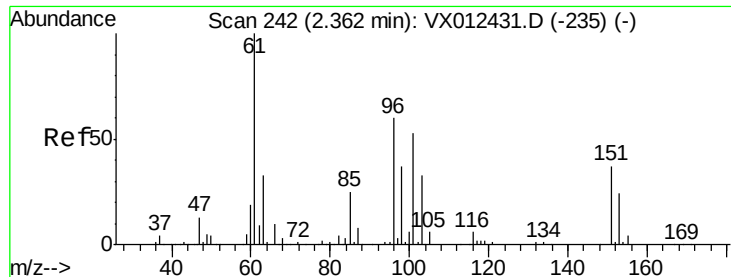
64 33.0 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 1.351 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012564.D

Acq: 20 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911DL

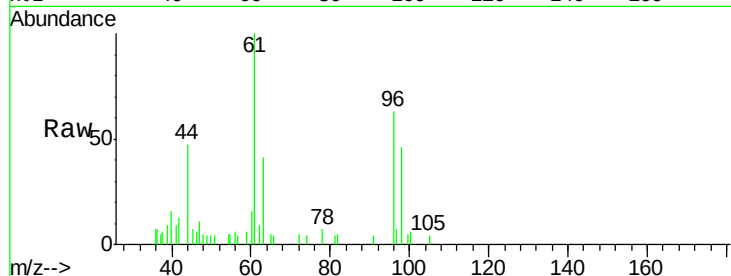
Tot Ion: 96 Resp: 1528

Ion Ratio Lower Upper

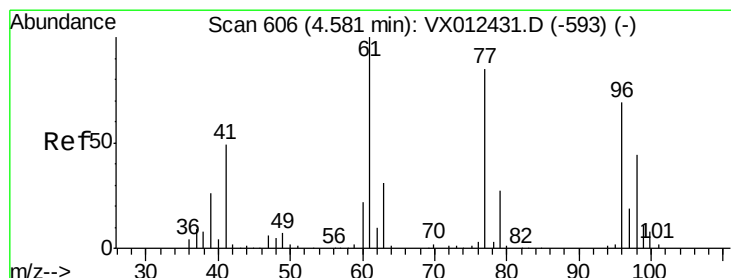
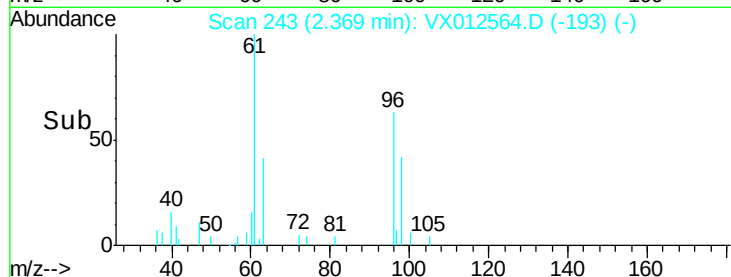
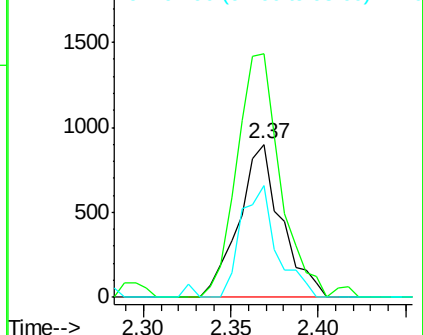
96 100

61 158.8 133.8 200.6

98 72.7 49.9 74.9



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



#27

cis-1,2-Dichloroethene

Concen: 54.670 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012564.D

Acq: 20 Sep 2019 17:55

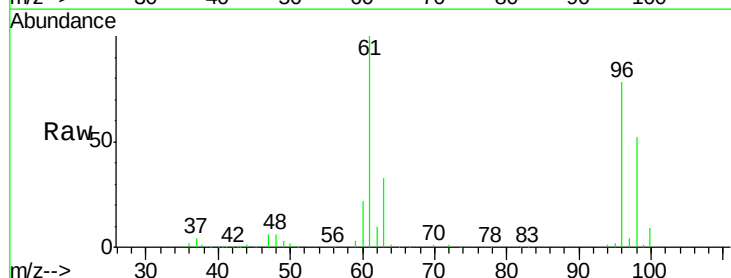
Tgt Ion: 96 Resp: 95914

Ion Ratio Lower Upper

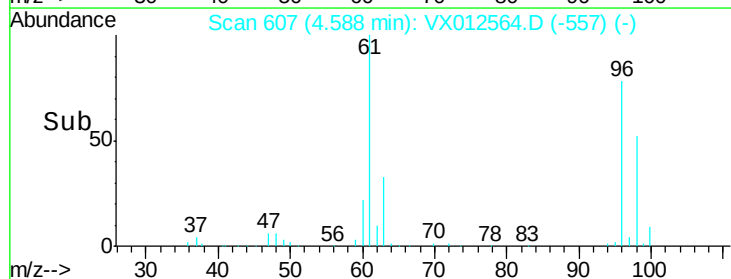
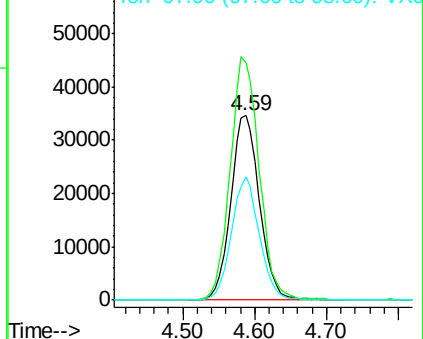
96 100

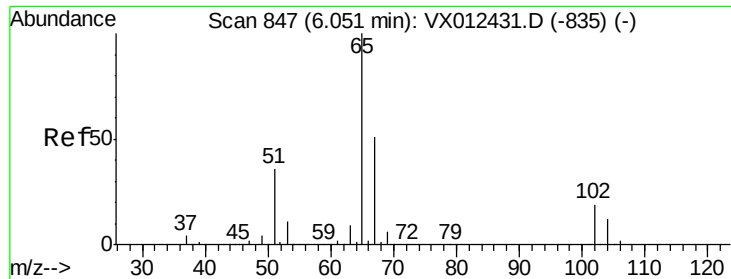
61 132.9 0.0 319.4

98 65.0 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

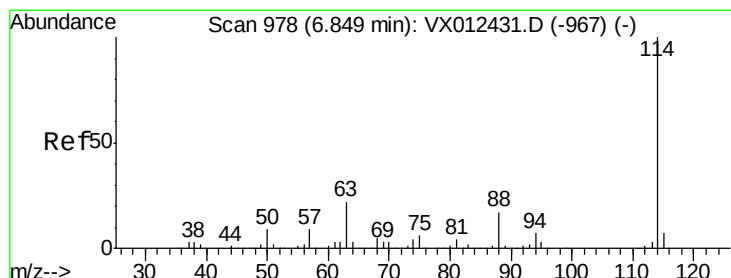
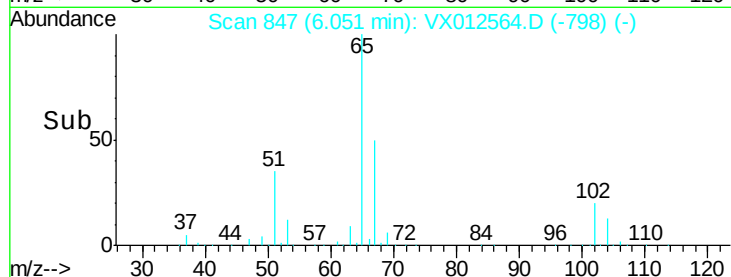
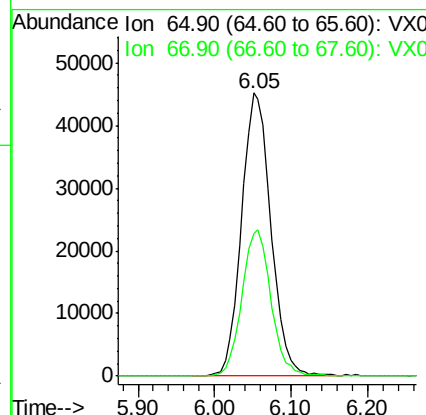
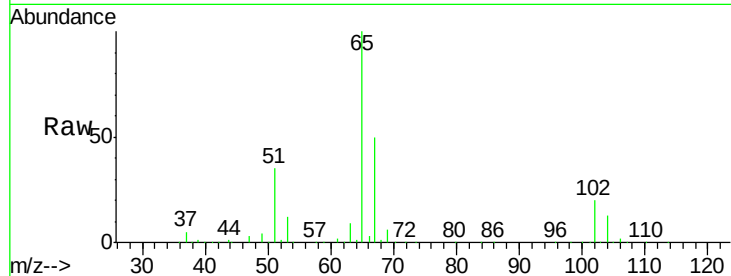




#33
 1,2-Dichloroethane-d4
 Concen: 46.706 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012564.D
 Acq: 20 Sep 2019 17:55

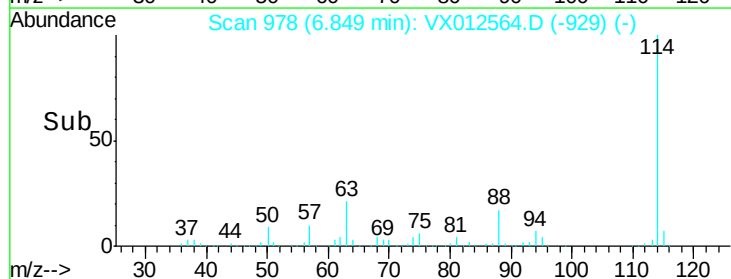
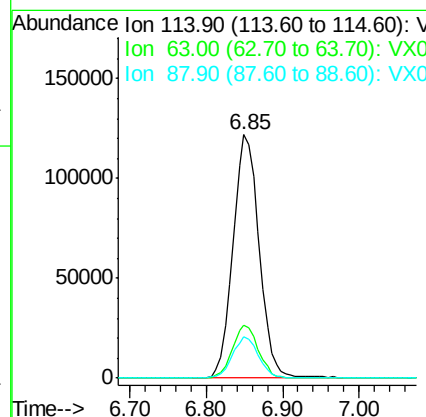
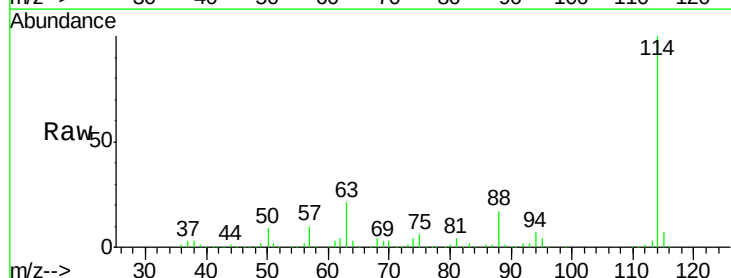
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-20190911DL

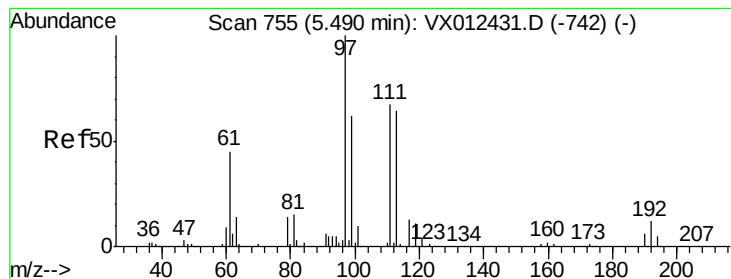
Tot Ion: 65 Resp: 120415
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012564.D
 Acq: 20 Sep 2019 17:55

Tgt Ion: 114 Resp: 288523
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.720 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012564.D

Acq: 20 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911DL

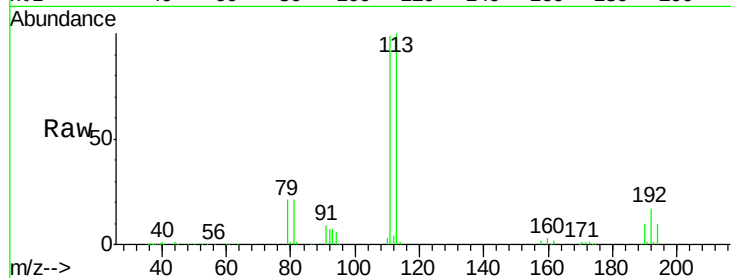
Tot Ion:113 Resp: 86826

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

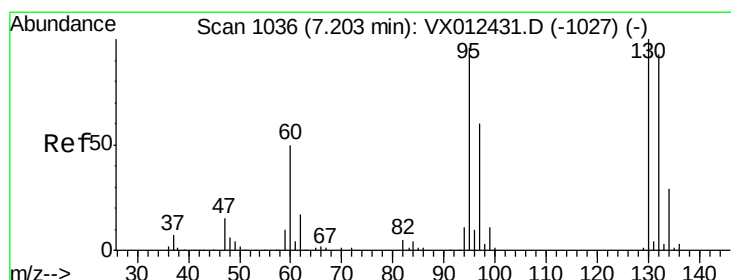
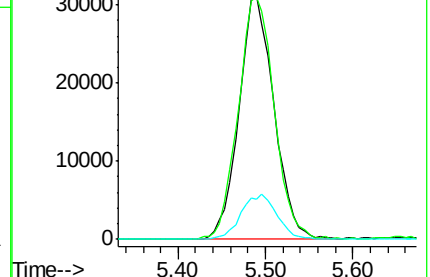
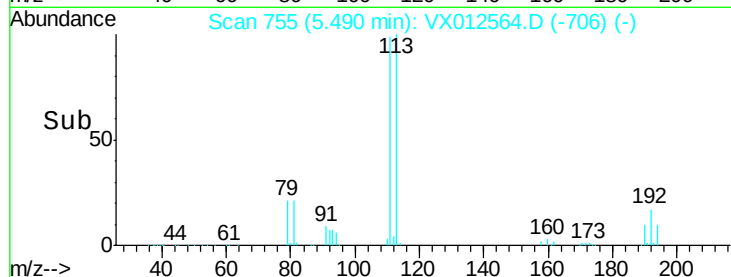
192 18.9 14.4 21.6



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: 29.552 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012564.D

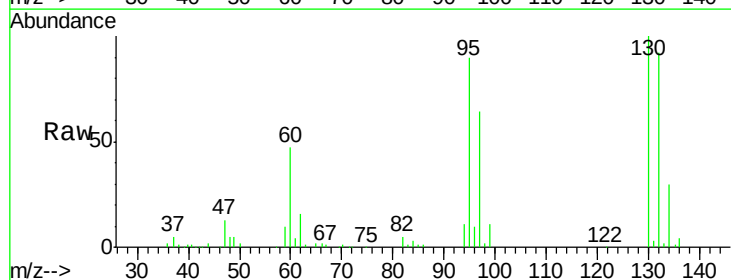
Acq: 20 Sep 2019 17:55

Tgt Ion:130 Resp: 43347

Ion Ratio Lower Upper

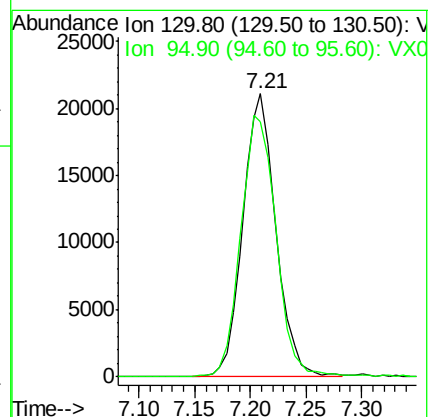
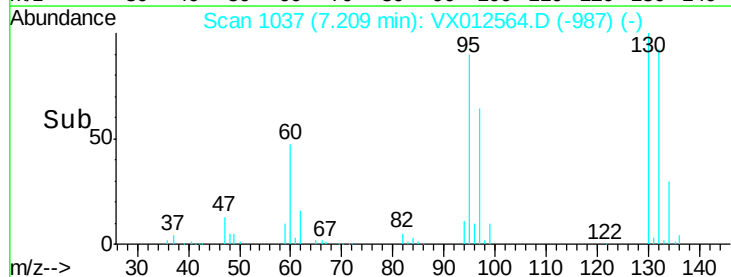
130 100

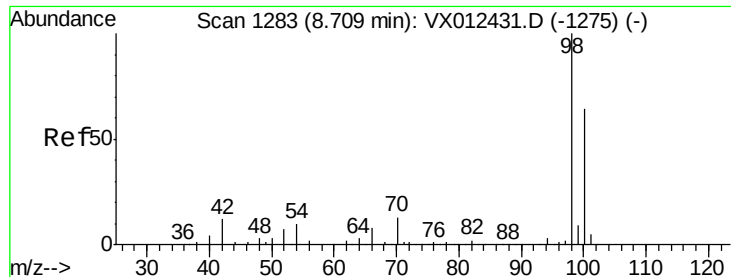
95 89.9 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.177 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012564.D

Acq: 20 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

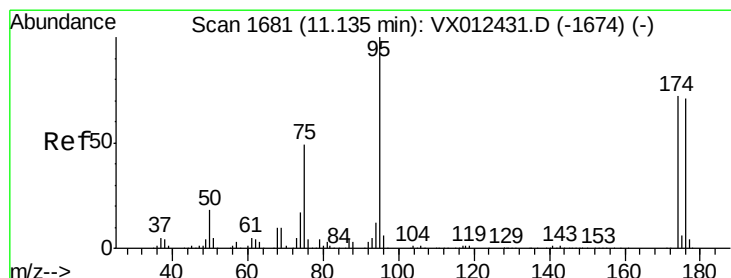
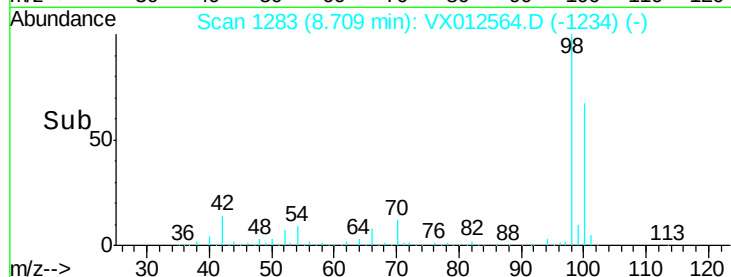
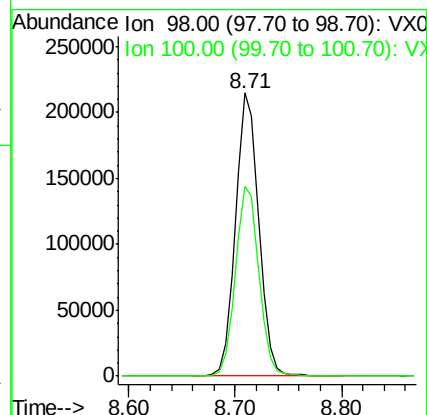
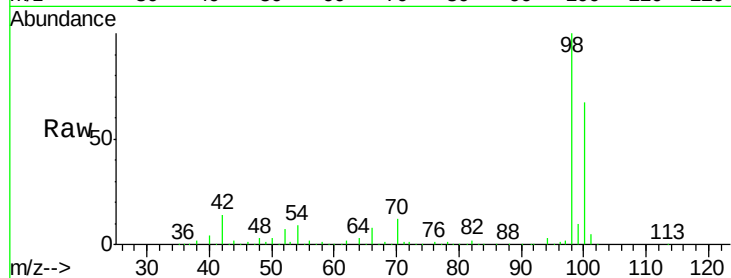
DUP-20190911DL

Tot Ion: 98 Resp: 330804

Ion Ratio Lower Upper

98 100

100 67.8 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 44.523 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012564.D

Acq: 20 Sep 2019 17:55

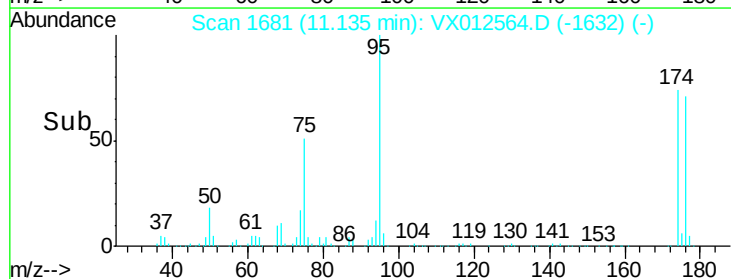
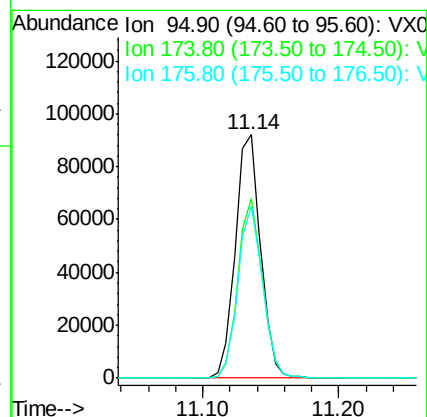
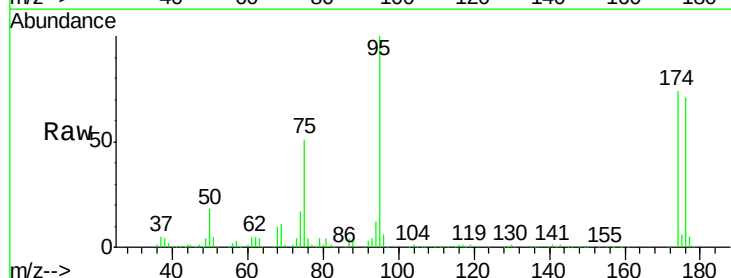
Tgt Ion: 95 Resp: 119493

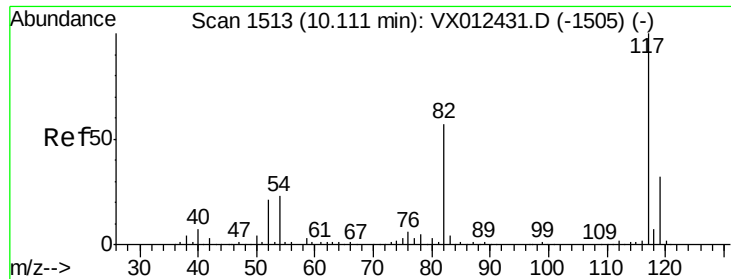
Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.0

176 69.3 0.0 135.4

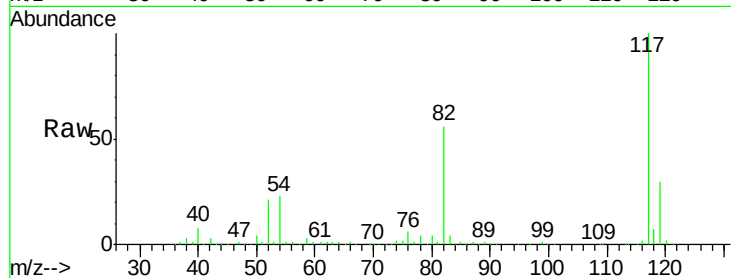




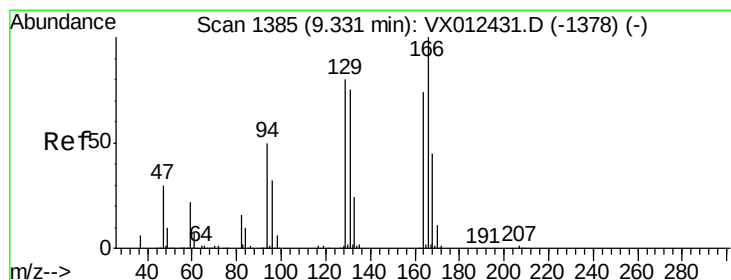
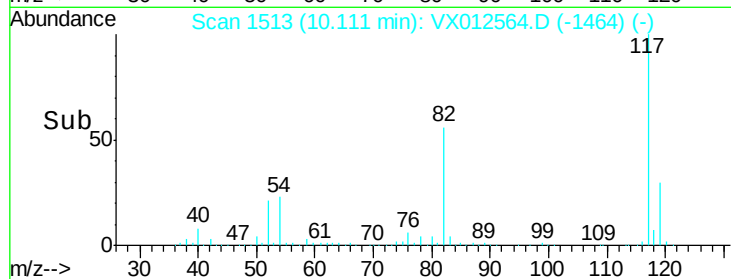
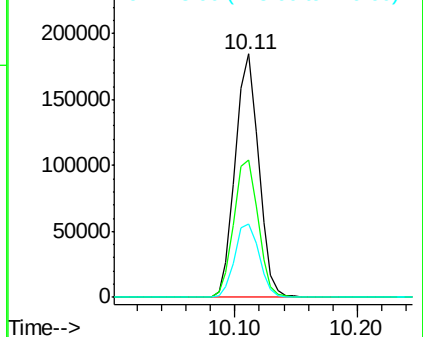
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012564.D
Acq: 20 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
DUP-20190911DL

Tot Ion:117 Resp: 245420
Ion Ratio Lower Upper
117 100
82 56.3 45.9 68.9
119 30.3 25.3 37.9



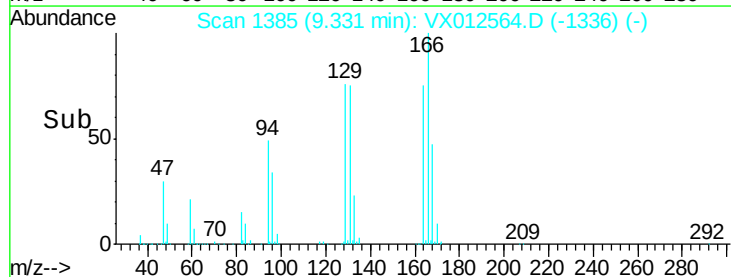
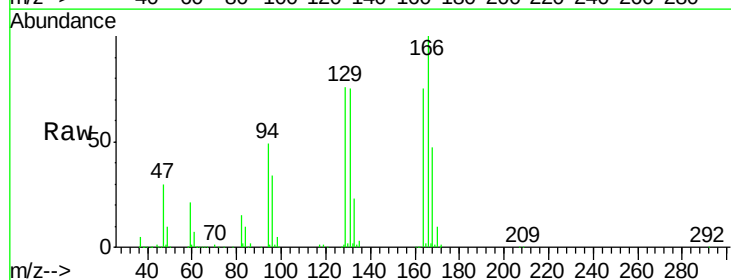
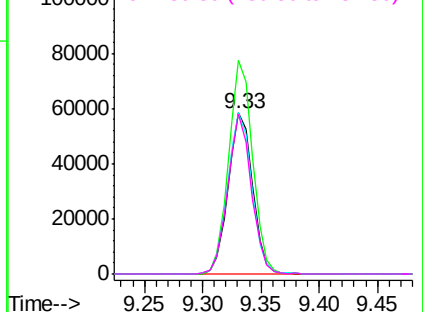
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

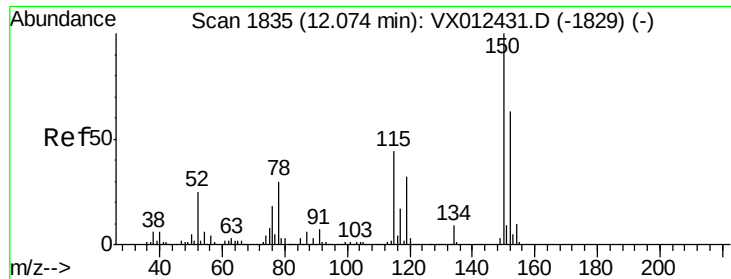


#64
Tetrachloroethene
Concen: 75.561 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012564.D
Acq: 20 Sep 2019 17:55

Tgt Ion:164 Resp: 84976
Ion Ratio Lower Upper
164 100
166 132.5 107.8 161.6
129 100.2 86.2 129.2
131 99.3 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: VX012564.D

Acq: 20 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

DUP-20190911DL

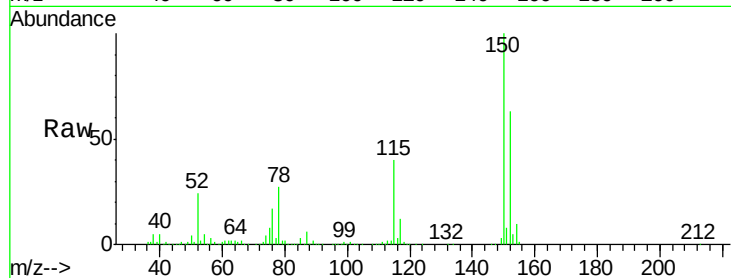
Tot Ion:152 Resp: 100727

Ion Ratio Lower Upper

152 100

115 63.3 44.1 132.3

150 158.5 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

