

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022620\
 Data File : VX015025.D
 Acq On : 26 Feb 2020 16:52
 Operator : JC/SP
 Sample : L1683-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-20200225

Quant Time: Feb 27 03:31:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

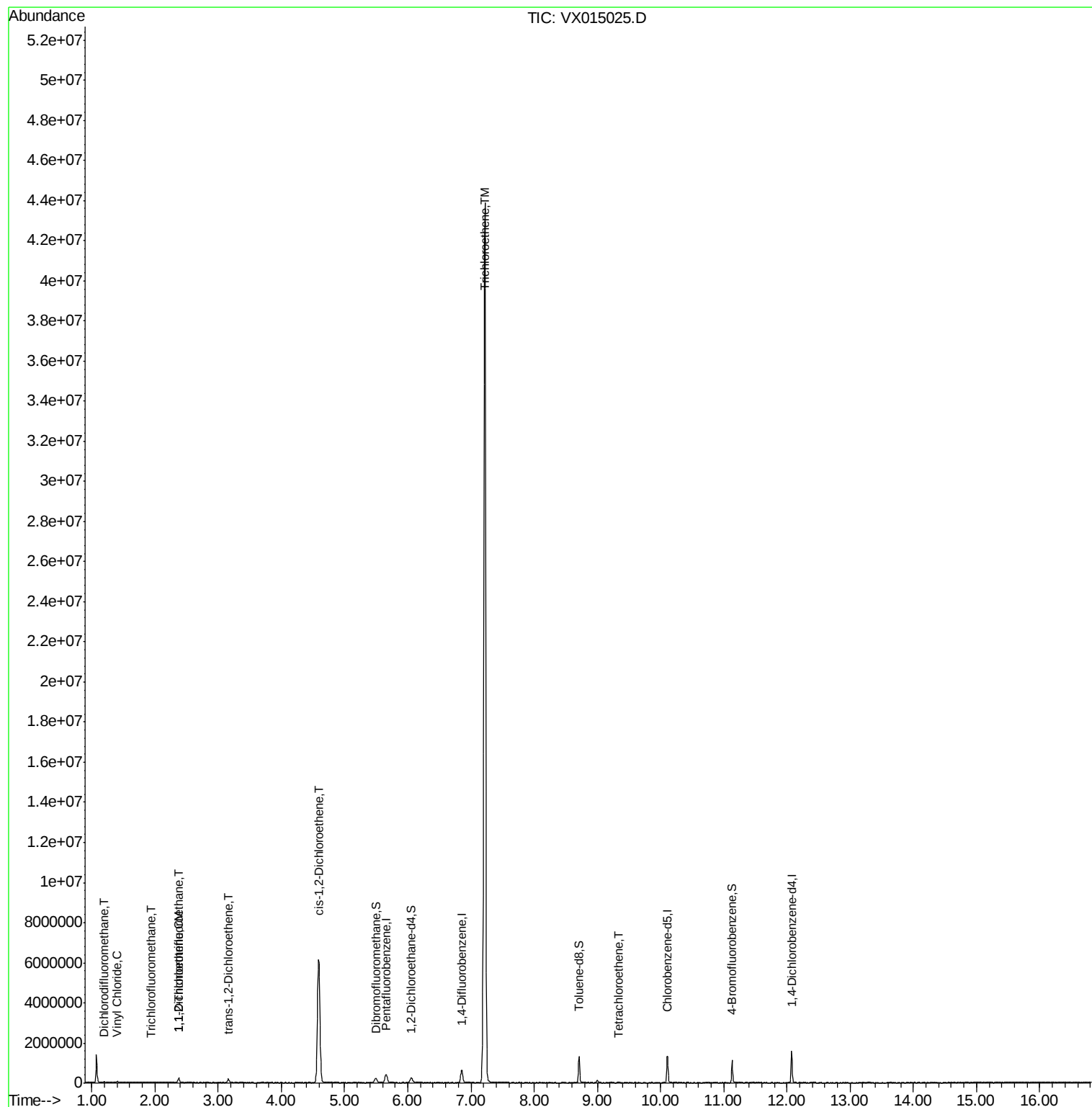
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	418325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	653132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	634446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	233711	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	200989	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
50) Toluene-d8	8.71	98	786551	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.14	95	296699	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	30785	7.771	ug/l	98
4) Vinyl Chloride	1.40	62	31095	6.427	ug/l	99
7) Trichlorofluoromethane	1.93	101	2730	0.404	ug/l #	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	36469	9.294	ug/l	98
12) 1,1-Dichloroethene	2.37	96	71781	18.720	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	83675	19.777	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	3951625	835.534	ug/l	88
44) Trichloroethene	7.22	130	17714892	3495.769	ug/l	95
64) Tetrachloroethene	9.33	164	6611	1.114	ug/l #	80

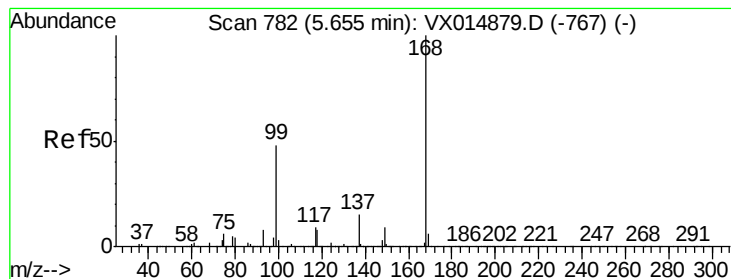
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.01 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

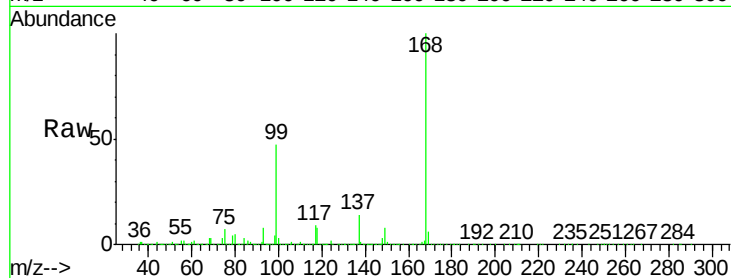
DUP-02-20200225

Tot Ion:168 Resp: 418325

Ion Ratio Lower Upper

168 100

99 47.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

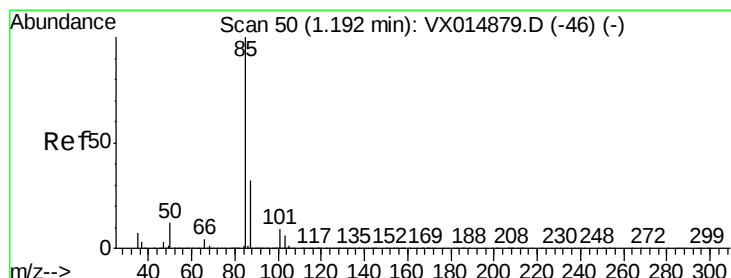
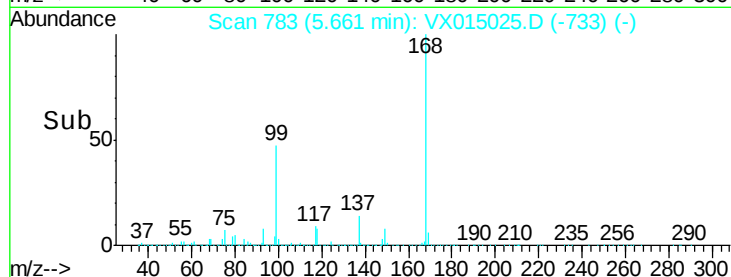
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 7.771 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015025.D

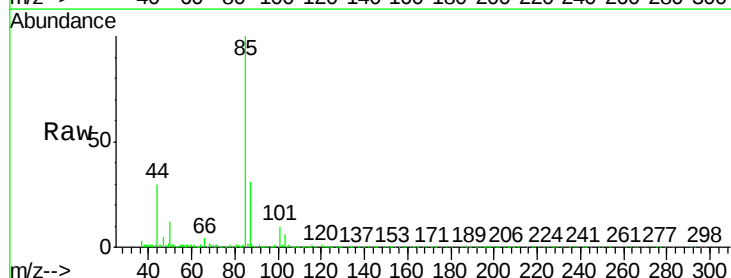
Acq: 26 Feb 2020 16:52

Tgt Ion: 85 Resp: 30785

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

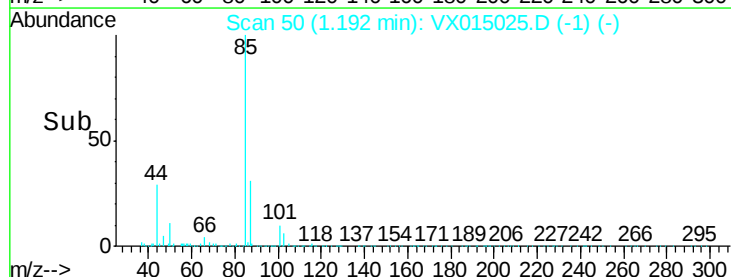
30000

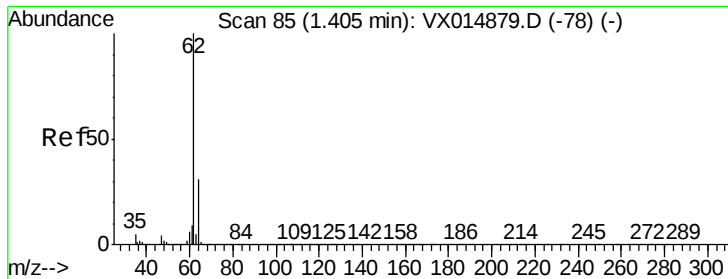
20000

10000

0

Time--> 1.10 1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 6.427 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

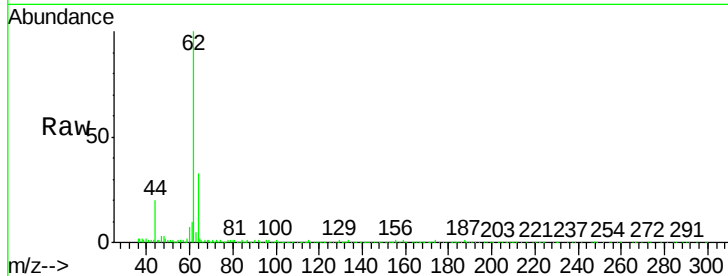
DUP-02-20200225

Tot Ion: 62 Resp: 31095

Ion Ratio Lower Upper

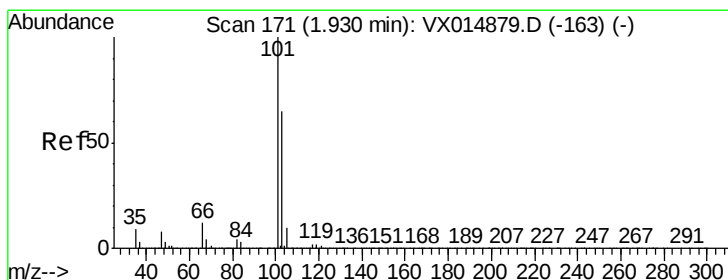
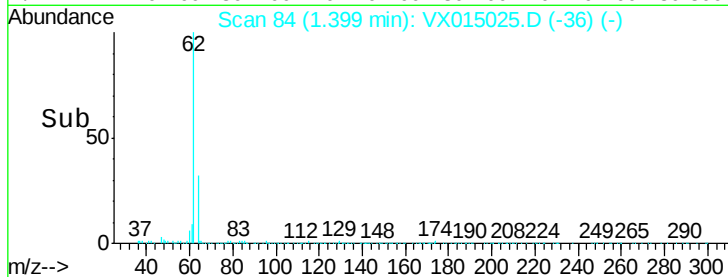
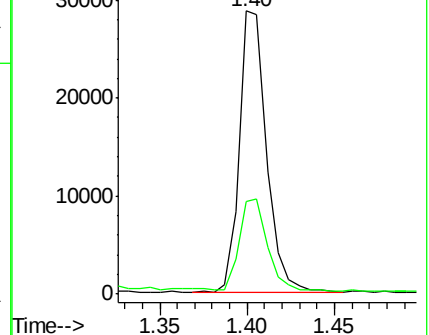
62 100

64 31.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX014879.D (-78) (-)

Ion 63.90 (63.60 to 64.60): VX015025.D (-36) (-)



#7

Trichlorofluoromethane

Concen: 0.404 ug/l

RT: 1.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VX015025.D

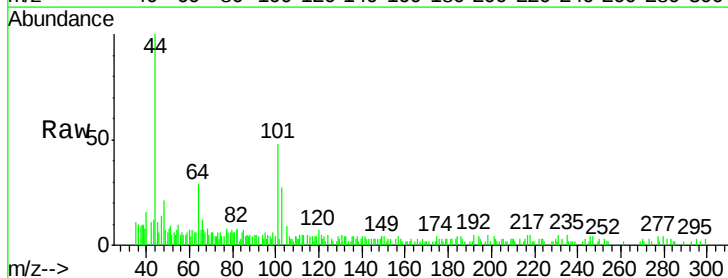
Acq: 26 Feb 2020 16:52

Tgt Ion: 101 Resp: 2730

Ion Ratio Lower Upper

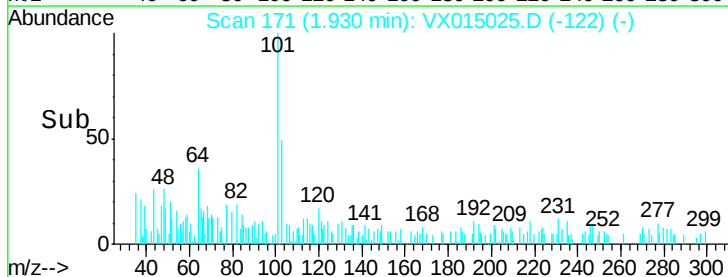
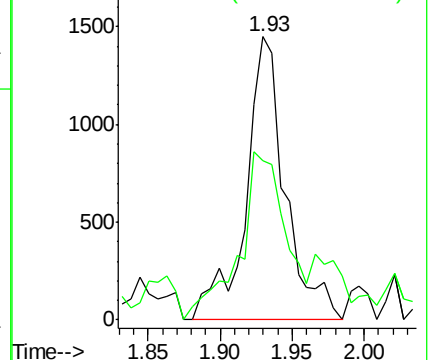
101 100

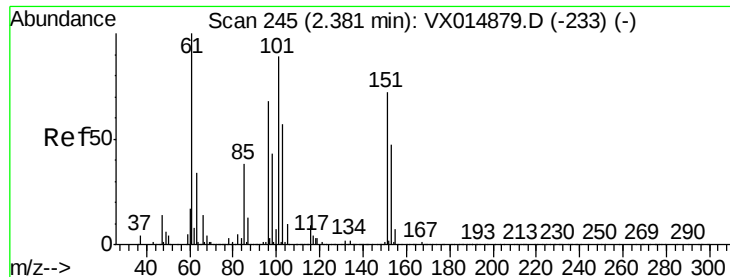
103 51.8 52.2 78.4#



Abundance Ion 100.90 (100.60 to 101.60): VX014879.D (-163) (-)

Ion 102.80 (102.50 to 103.50): VX015025.D (-122) (-)





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.294 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-02-20200225

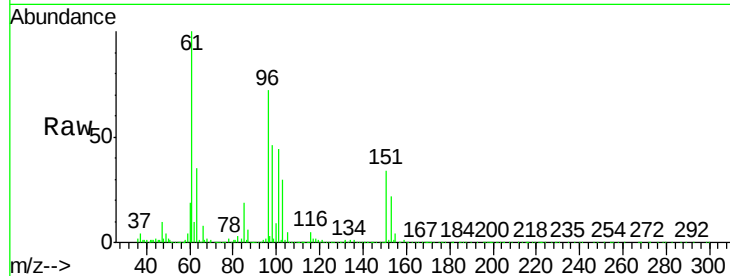
Tot Ion:101 Resp: 36469

Ion Ratio Lower Upper

101 100

85 43.9 34.1 51.1

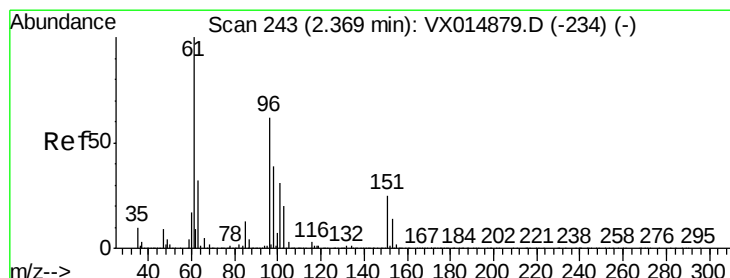
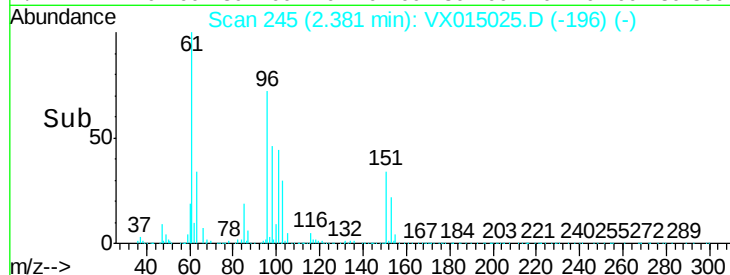
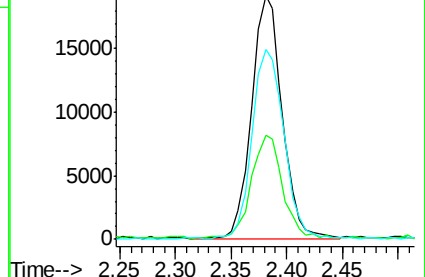
151 82.9 67.3 100.9



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



#12

1,1-Dichloroethene

Concen: 18.720 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

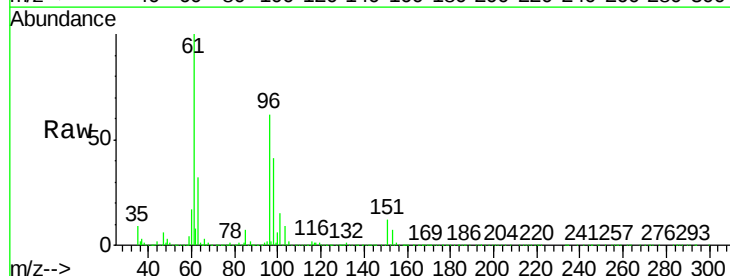
Tgt Ion: 96 Resp: 71781

Ion Ratio Lower Upper

96 100

61 161.0 129.5 194.3

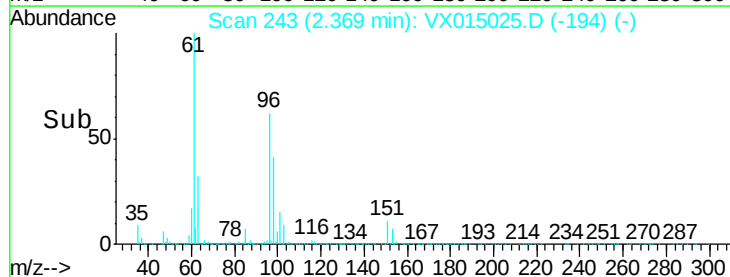
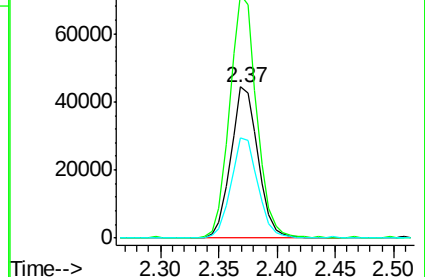
98 65.9 50.6 76.0

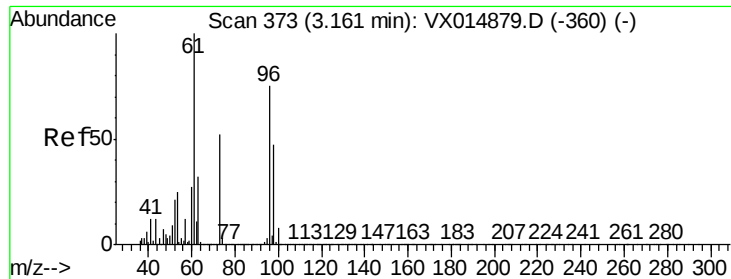


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 19.777 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-02-20200225

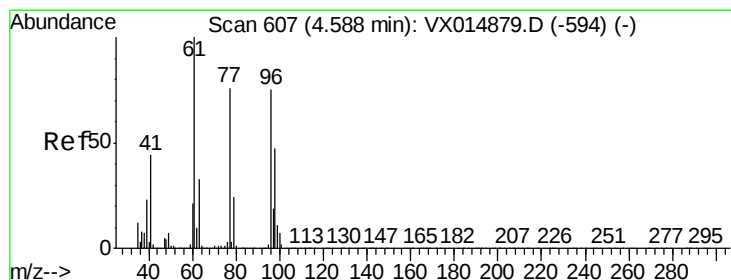
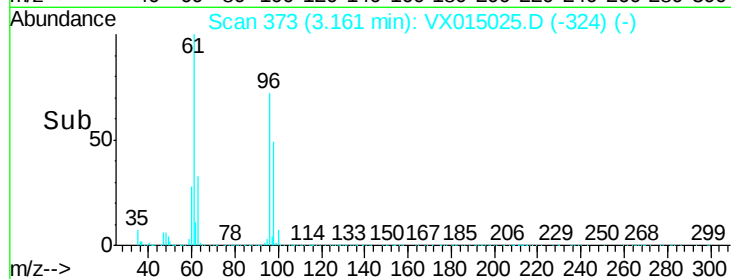
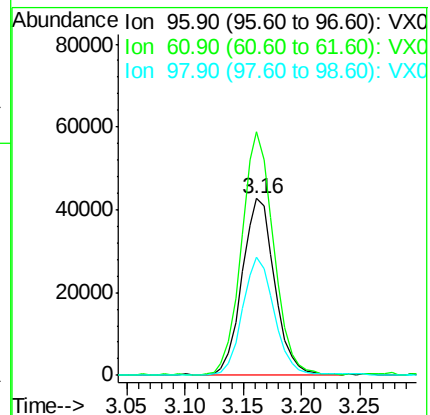
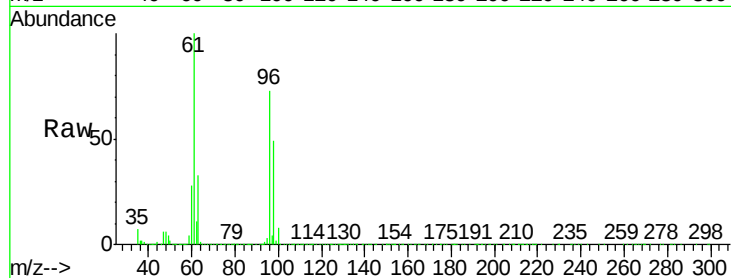
Tot Ion: 96 Resp: 83675

Ion Ratio Lower Upper

96 100

61 137.8 106.9 160.3

98 66.9 50.7 76.1



#27

cis-1,2-Dichloroethene

Concen: 835.534 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

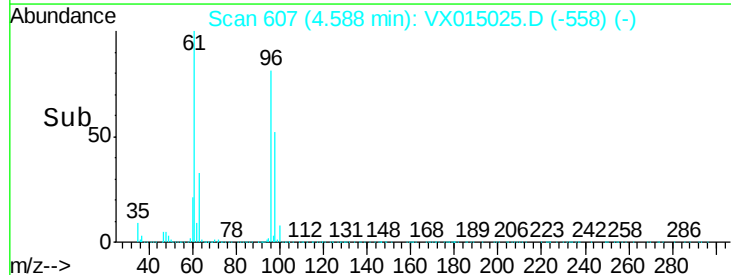
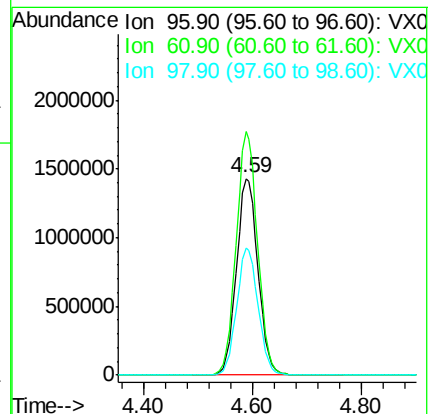
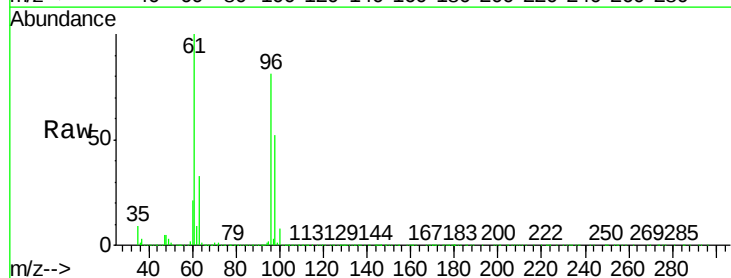
Tgt Ion: 96 Resp: 3951625

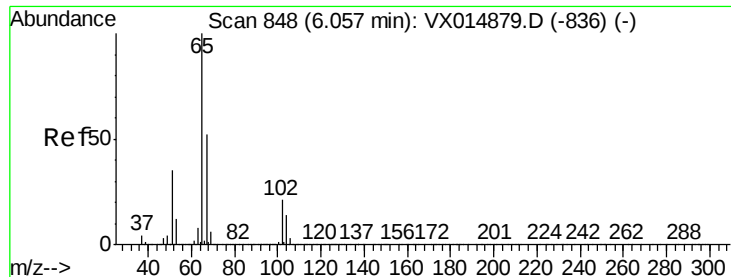
Ion Ratio Lower Upper

96 100

61 123.1 0.0 286.2

98 64.3 0.0 131.0





#33

1,2-Dichloroethane-d4

Concen: 49.503 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

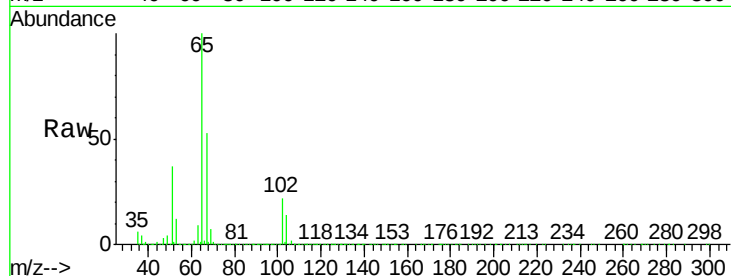
DUP-02-20200225

Tot Ion: 65 Resp: 233711

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

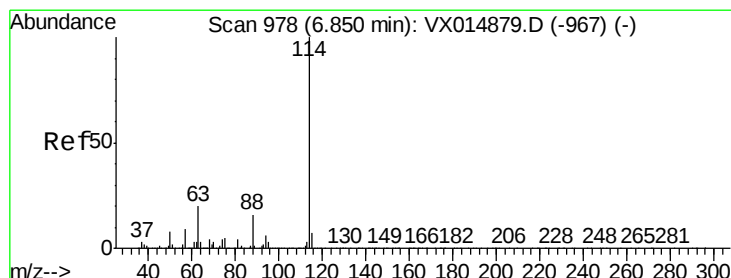
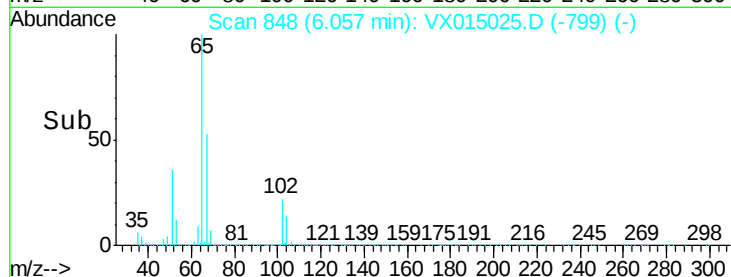
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

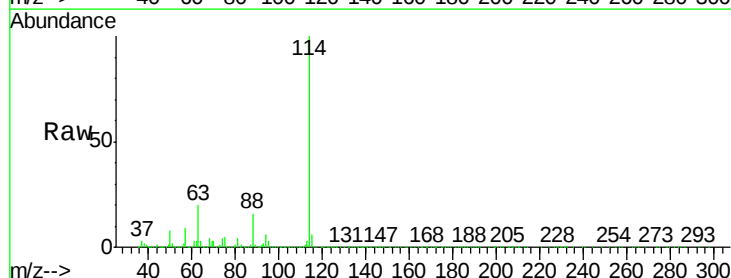
Tgt Ion: 114 Resp: 653132

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

88 15.8 0.0 32.0



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

6.86

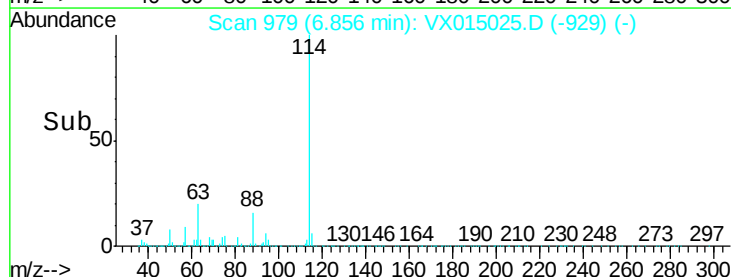
300000

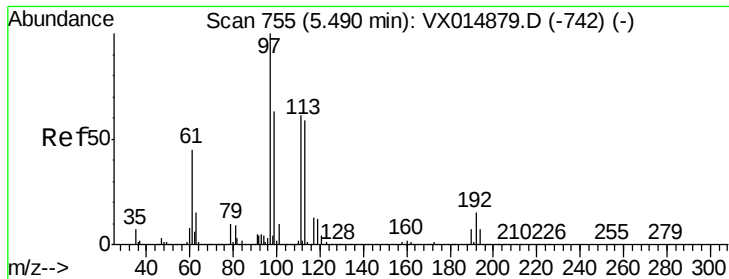
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

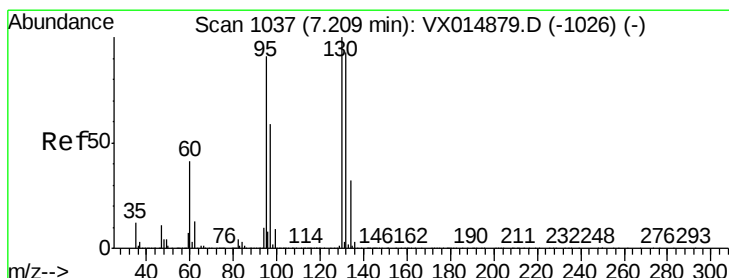
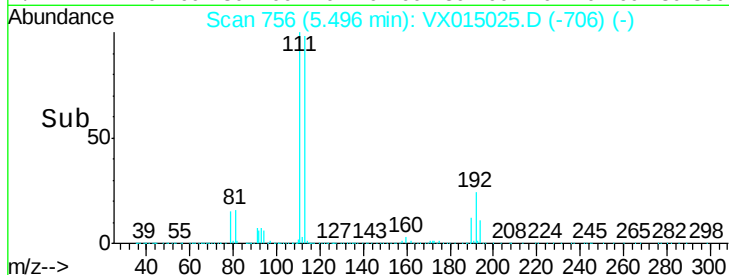
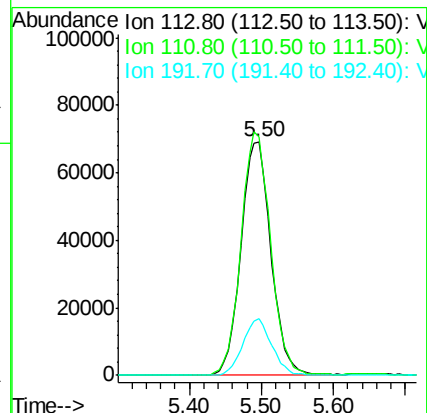
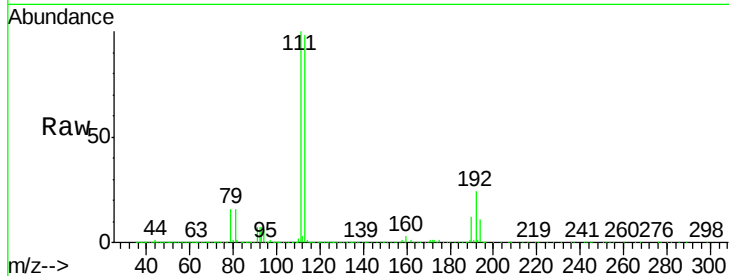




#35
 Dibromofluoromethane
 Concen: 50.056 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX015025.D
 Acq: 26 Feb 2020 16:52

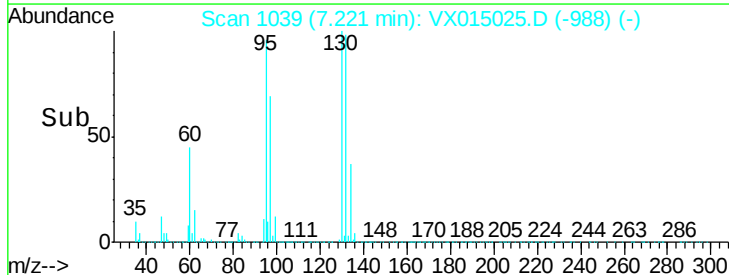
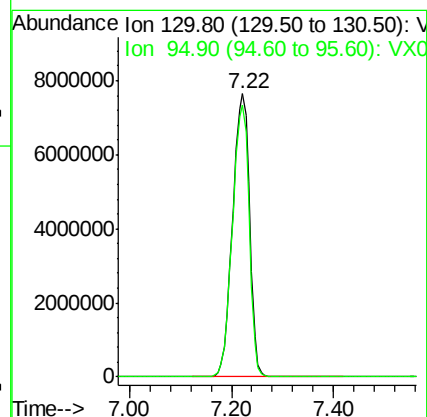
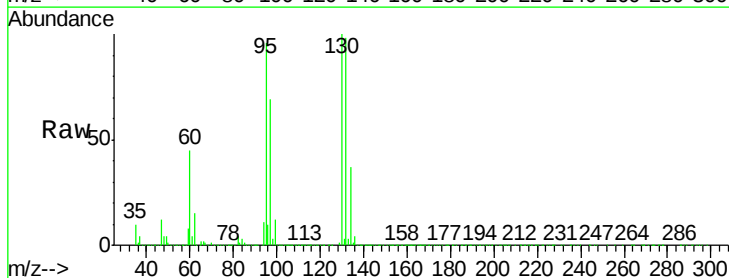
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-02-20200225

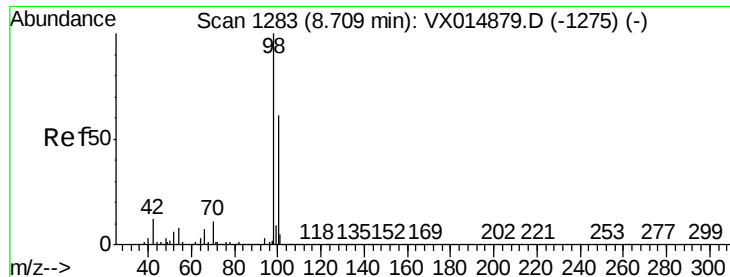
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	23.0	19.1	28.7



#44
 Trichloroethene
 Concen: 3495.769 ug/l
 RT: 7.22 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VX015025.D
 Acq: 26 Feb 2020 16:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	182.6





#50

Toluene-d8

Concen: 51.319 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

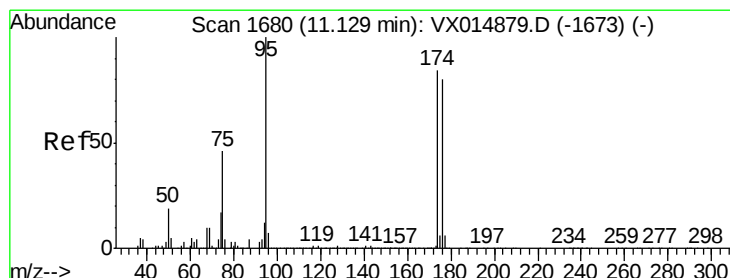
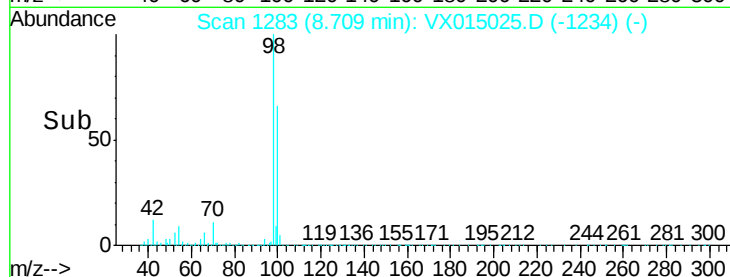
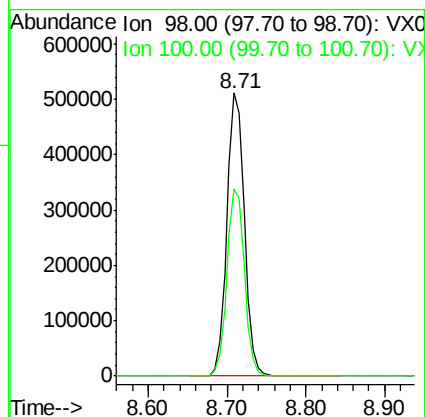
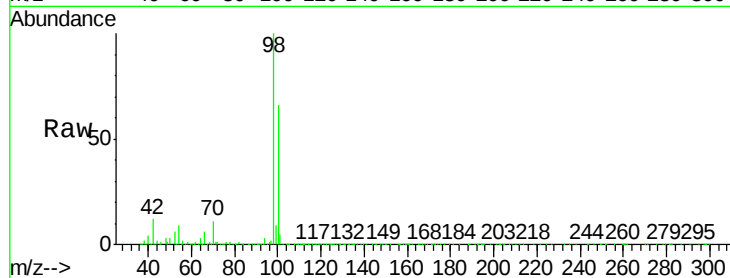
DUP-02-20200225

Tot Ion: 98 Resp: 786551

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.738 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

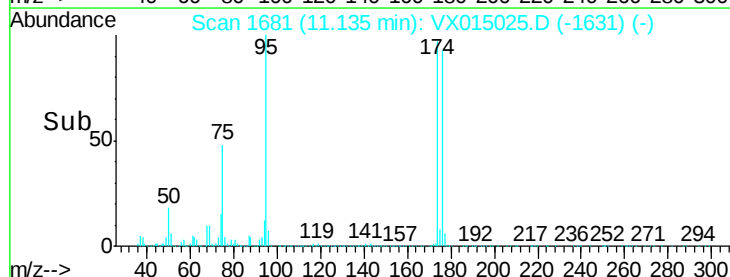
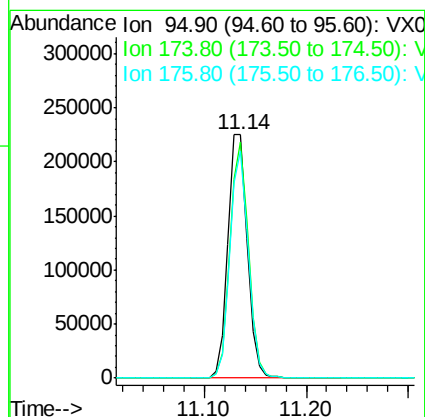
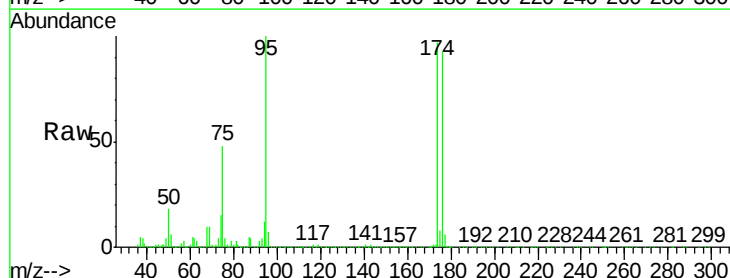
Tgt Ion: 95 Resp: 296699

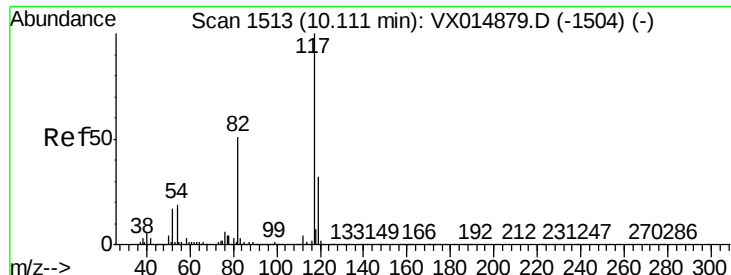
Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.0

176 88.3 0.0 178.0

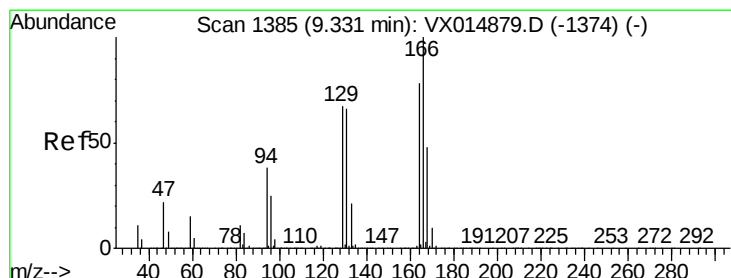
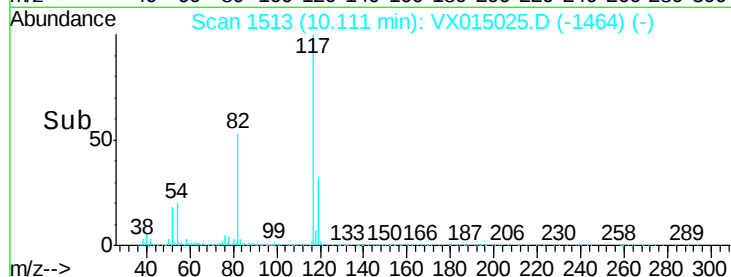
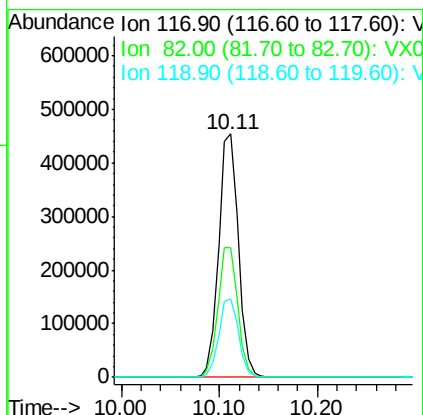
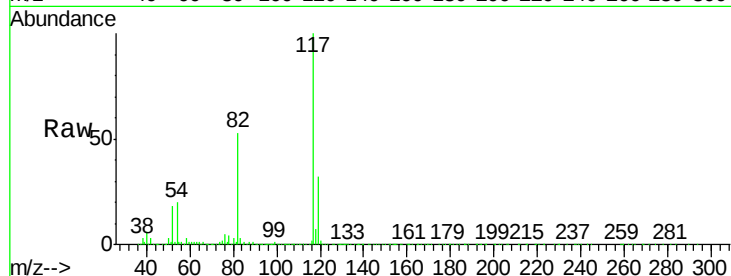




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015025.D
Acq: 26 Feb 2020 16:52

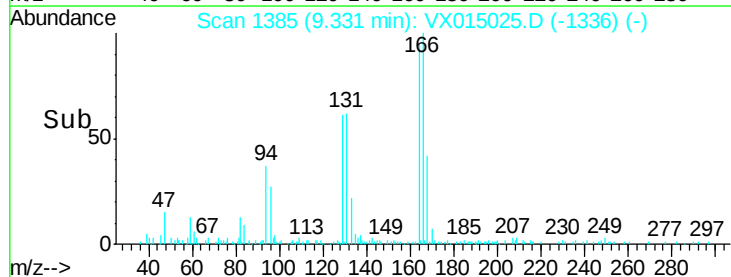
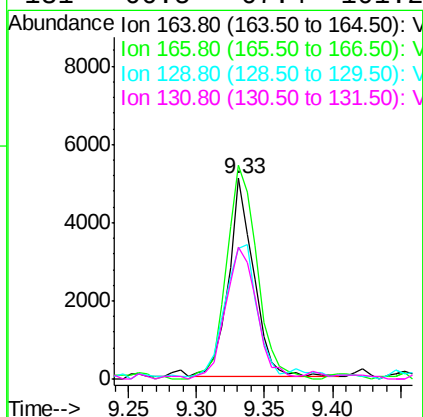
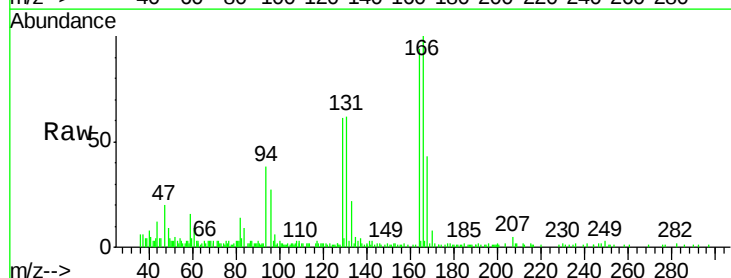
Instrument :
MSVOA_X
ClientSampleId :
DUP-02-20200225

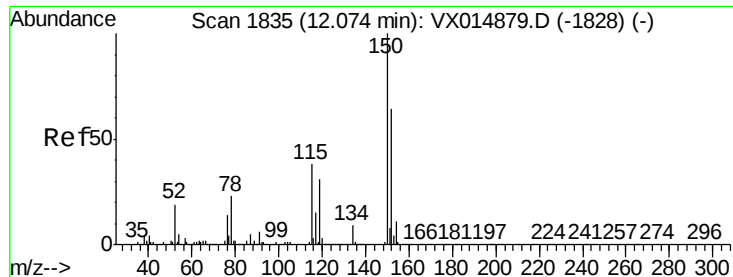
Tot Ion:117 Resp: 634446
Ion Ratio Lower Upper
117 100
82 53.3 40.5 60.7
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 1.114 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015025.D
Acq: 26 Feb 2020 16:52

Tgt Ion:164 Resp: 6611
Ion Ratio Lower Upper
164 100
166 107.5 102.6 153.8
129 64.7 68.3 102.5#
131 66.5 67.4 101.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015025.D

Acq: 26 Feb 2020 16:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-02-20200225

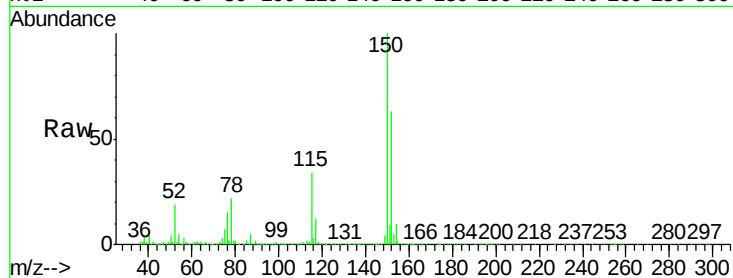
Tot Ion:152 Resp: 337377

Ion Ratio Lower Upper

152 100

115 54.8 38.6 116.0

150 156.0 0.0 349.0



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

