

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014062.D
 Acq On : 17 Dec 2019 19:19
 Operator : JC/SP
 Sample : K6251-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20191207

Quant Time: Dec 18 07:55:00 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	553746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	856416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	758966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	316592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	313587	49.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.94%	
35) Dibromofluoromethane	5.49	113	261059	50.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	1015470	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.13	95	332092	44.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.64%	

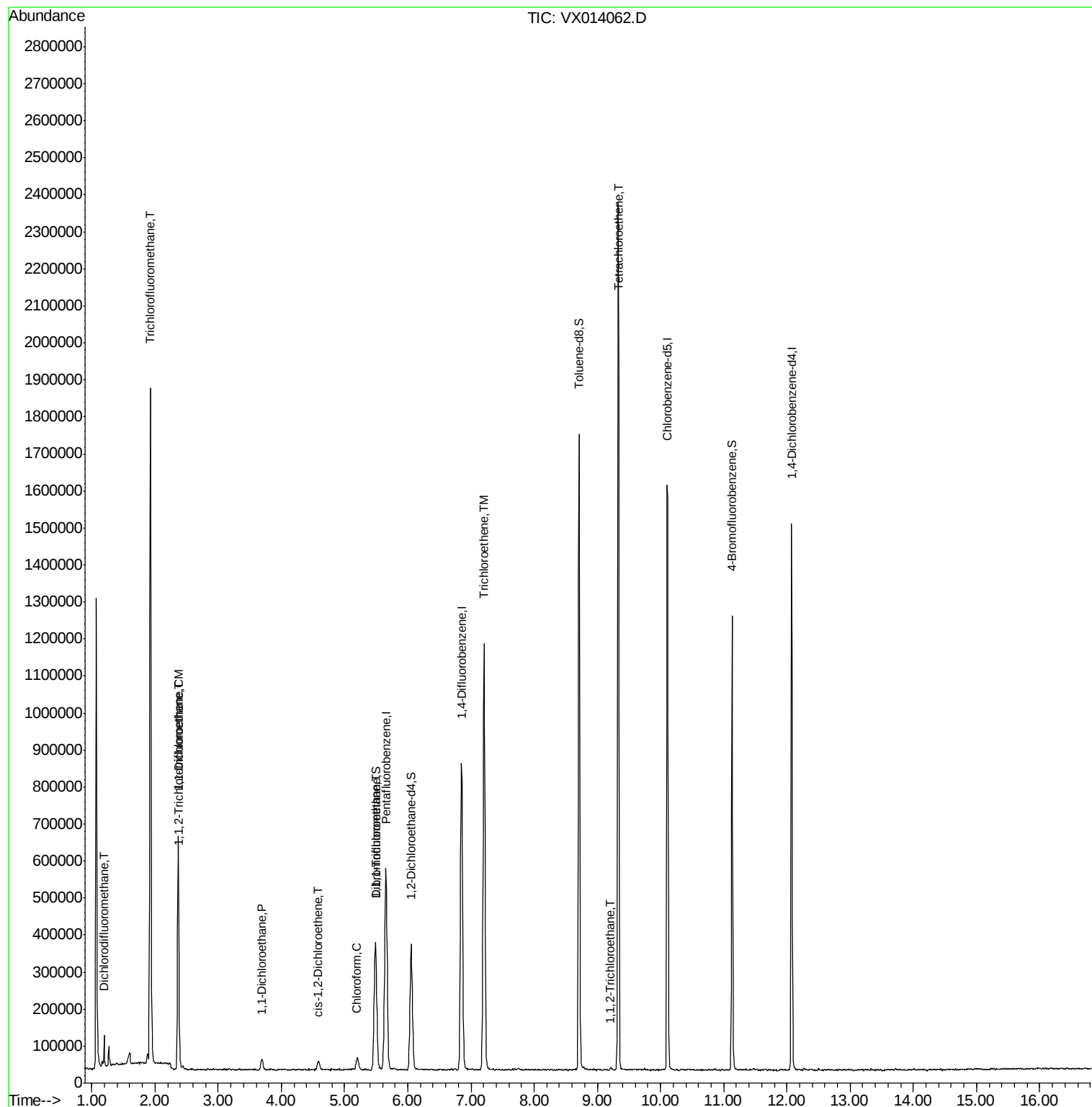
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	44651	9.013	ug/l	98
7) Trichlorofluoromethane	1.92	101	1149646	132.385	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	15379	2.938	ug/l	94
12) 1,1-Dichloroethene	2.37	96	204588	38.408	ug/l	98
24) 1,1-Dichloroethane	3.69	63	35052	3.324	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	15727	2.370	ug/l	90
30) Chloroform	5.20	83	39497	3.951	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	50729	5.955	ug/l	98
44) Trichloroethene	7.21	130	470688	70.480	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	2266	0.370	ug/l	99
64) Tetrachloroethene	9.33	164	466757	69.500	ug/l	99

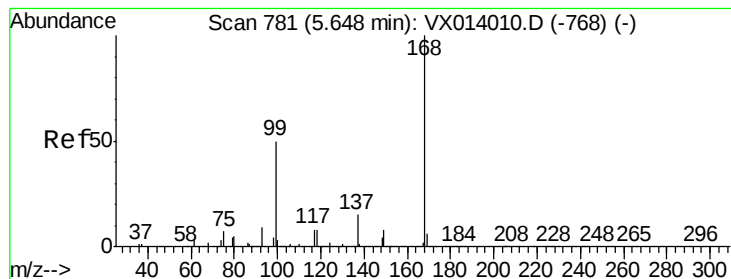
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

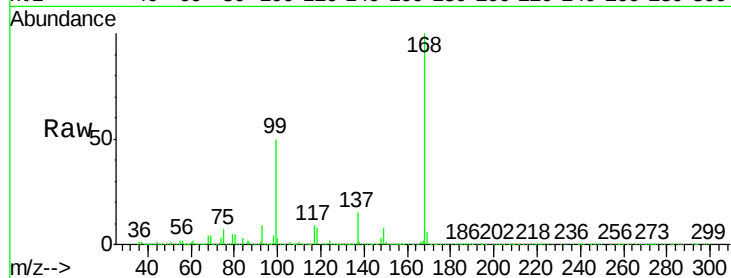
DUP05-20191207

Tot Ion:168 Resp: 553746

Ion Ratio Lower Upper

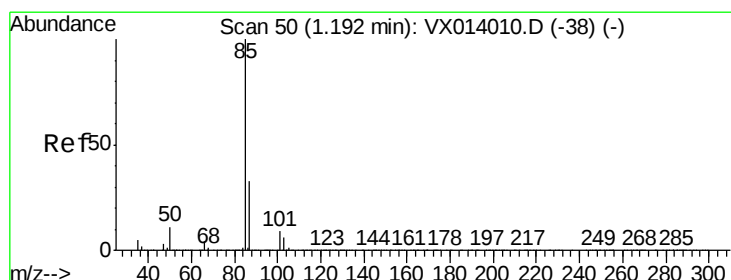
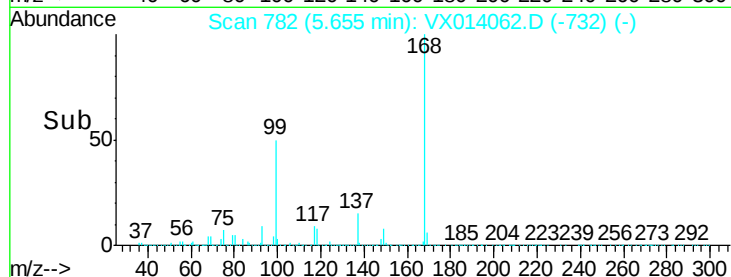
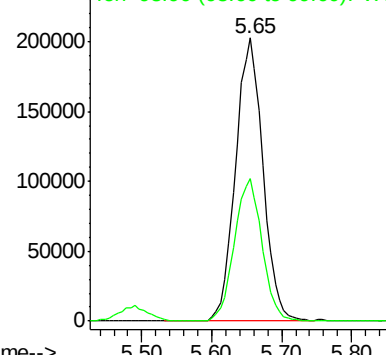
168 100

99 50.1 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 9.013 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014062.D

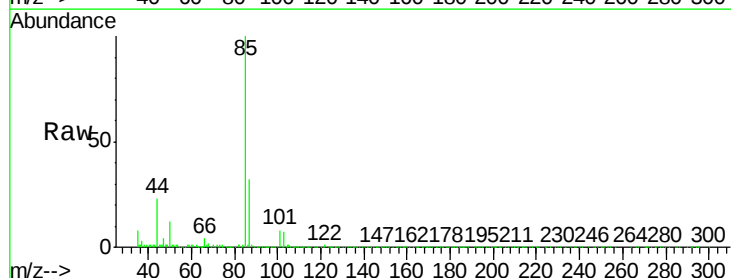
Acq: 17 Dec 2019 19:19

Tgt Ion: 85 Resp: 44651

Ion Ratio Lower Upper

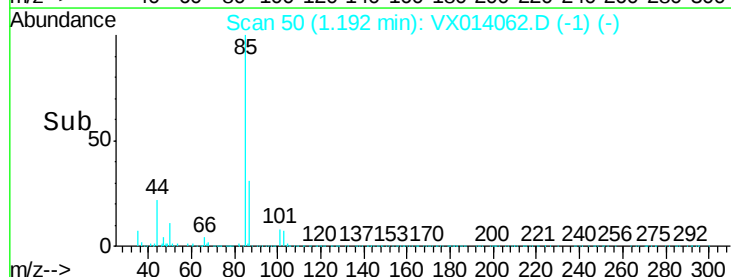
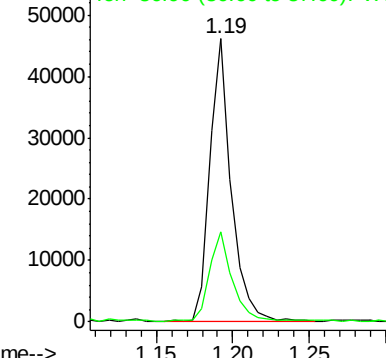
85 100

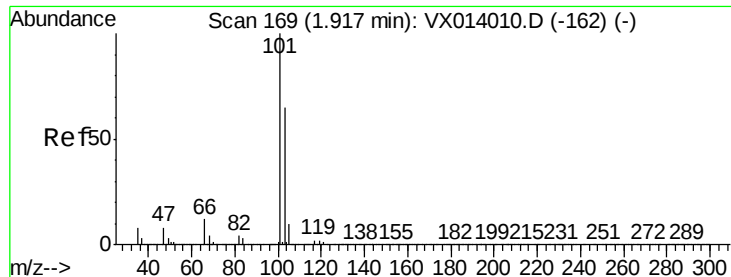
87 31.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



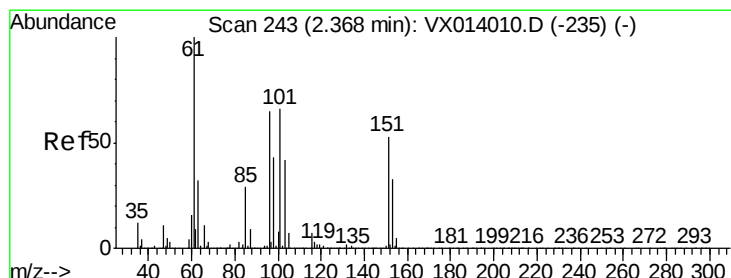
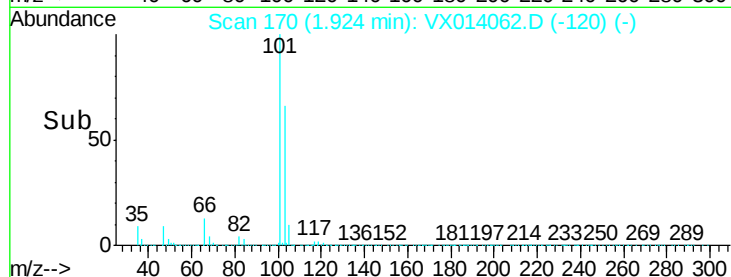
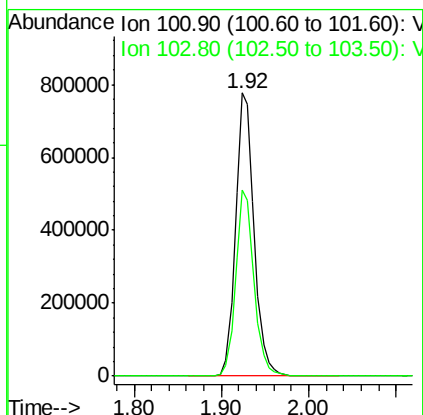
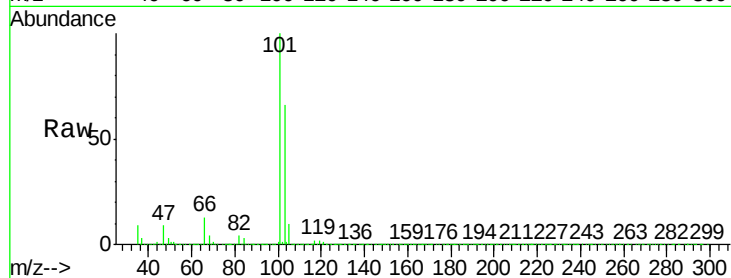


#7

Trichlorofluoromethane
Concen: 132.385 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014062.D
Acq: 17 Dec 2019 19:19

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20191207

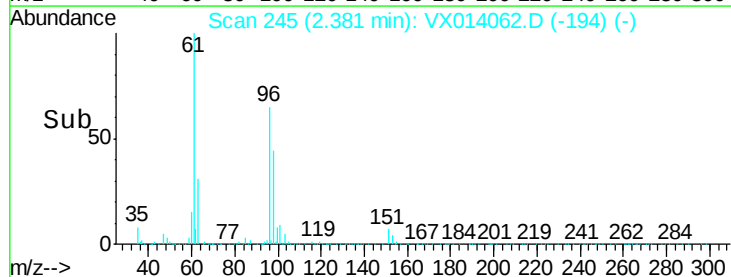
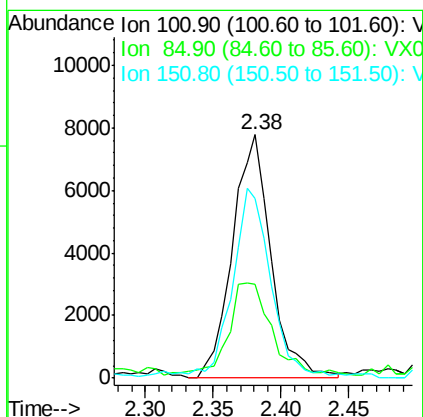
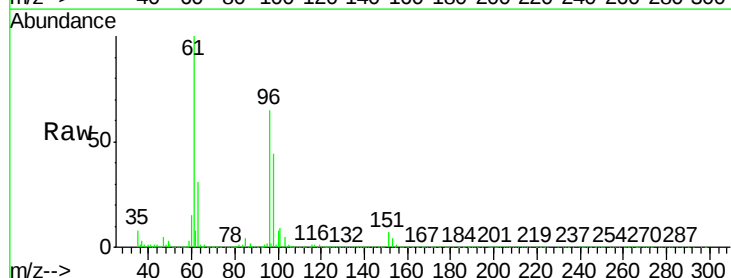
Tot Ion:101 Resp: 1149646
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.4

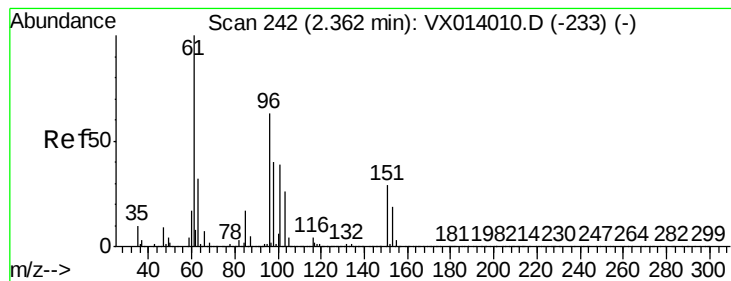


#9

1,1,2-Trichlorotrifluoroethane
Concen: 2.938 ug/l
RT: 2.38 min Scan# 245
Delta R.T. 0.01 min
Lab File: VX014062.D
Acq: 17 Dec 2019 19:19

Tgt Ion:101 Resp: 15379
Ion Ratio Lower Upper
101 100
85 41.2 33.7 50.5
151 73.0 64.5 96.7





#12

1,1-Dichloroethene

Concen: 38.408 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20191207

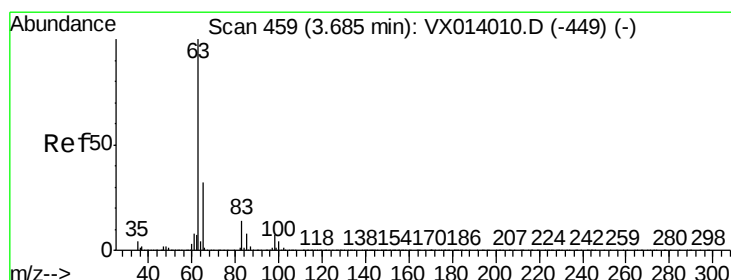
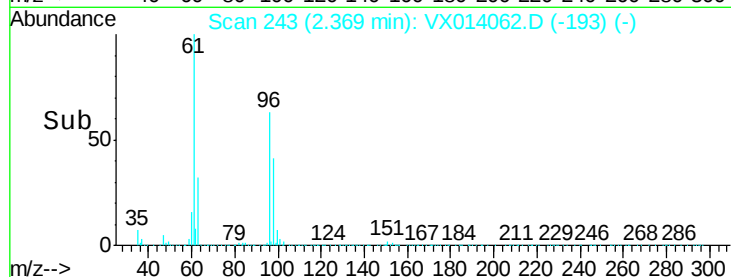
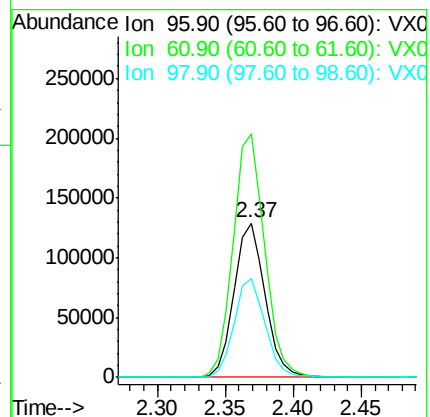
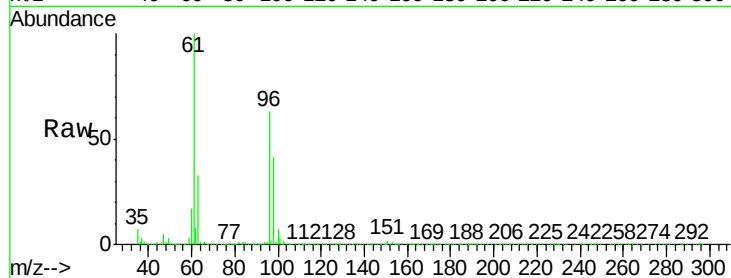
Tot Ion: 96 Resp: 204588

Ion Ratio Lower Upper

96 100

61 157.9 127.9 191.9

98 64.5 50.5 75.7



#24

1,1-Dichloroethane

Concen: 3.324 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

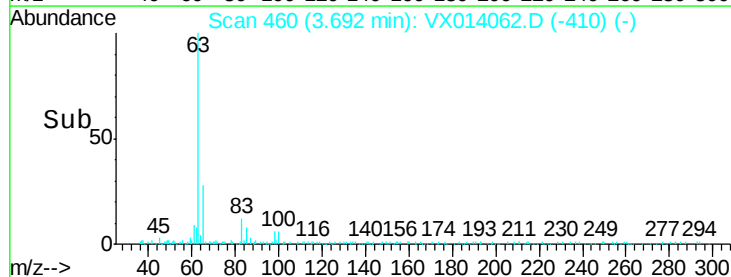
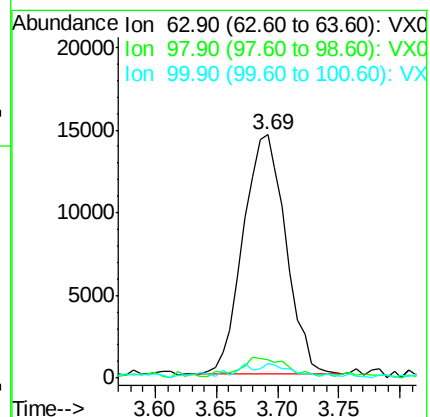
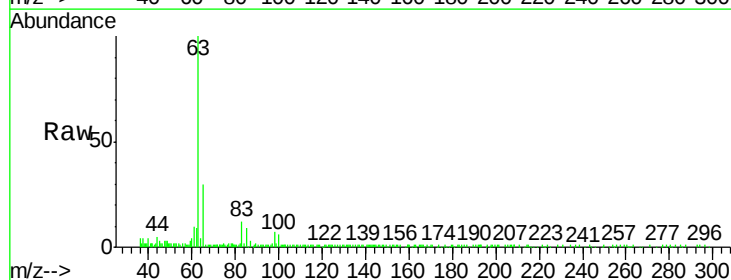
Tgt Ion: 63 Resp: 35052

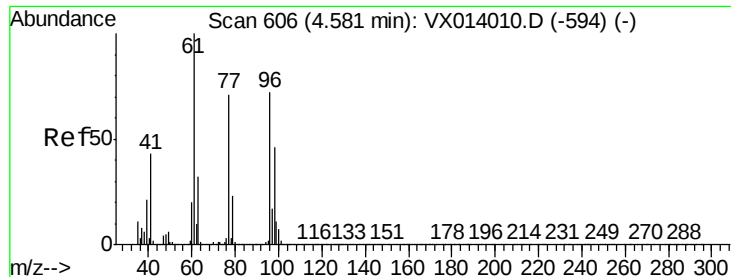
Ion Ratio Lower Upper

63 100

98 5.9 3.6 10.8

100 5.1 2.3 6.8



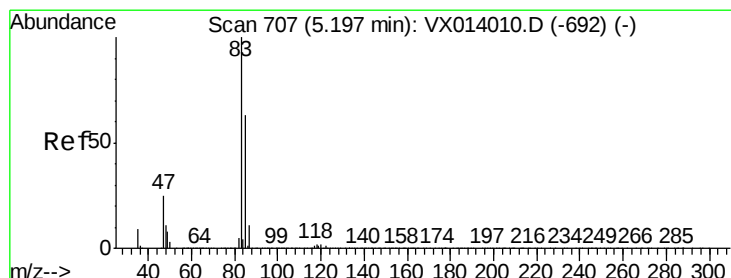
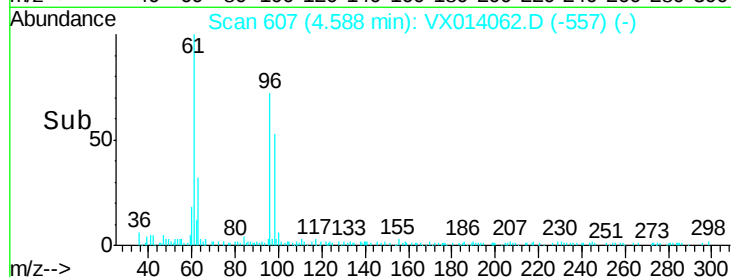
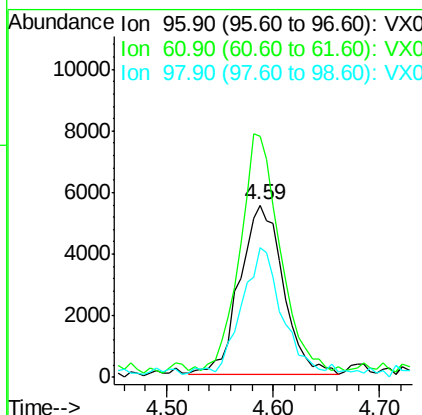
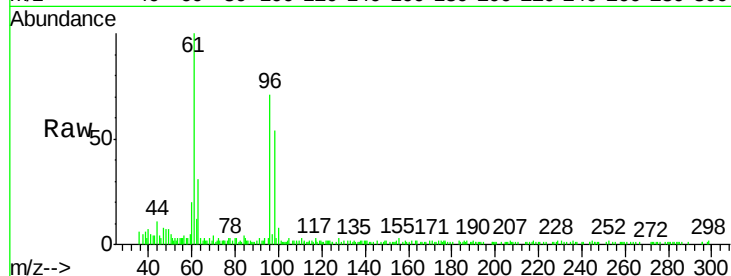


#27

cis-1,2-Dichloroethene
 Concen: 2.370 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX014062.D
 Acq: 17 Dec 2019 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20191207

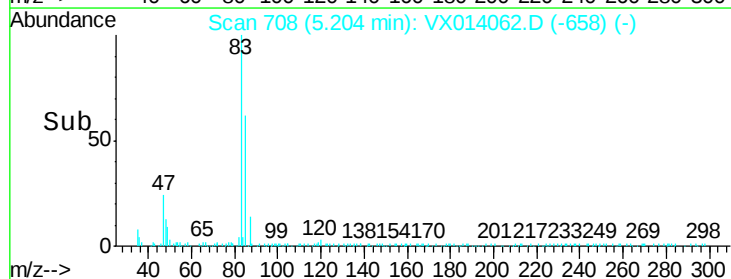
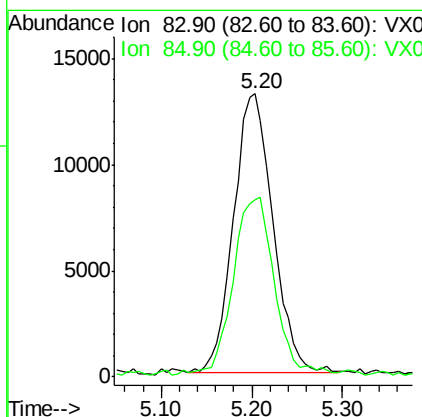
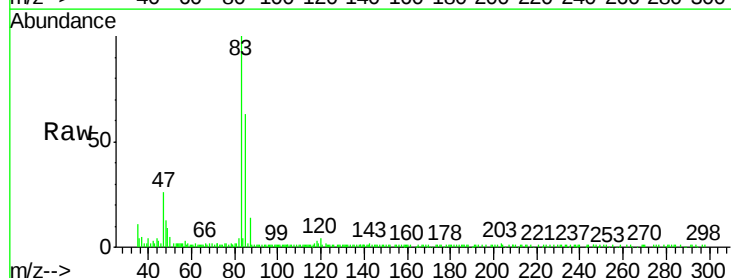
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.1	0.0	288.4
98	69.5	0.0	129.6

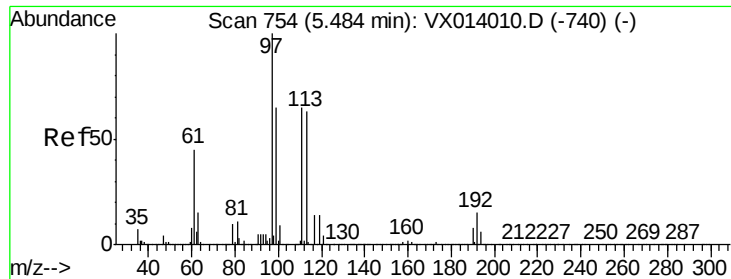


#30

Chloroform
 Concen: 3.951 ug/l
 RT: 5.20 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VX014062.D
 Acq: 17 Dec 2019 19:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.8	76.2





#32

1,1,1-Trichloroethane

Concen: 5.955 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20191207

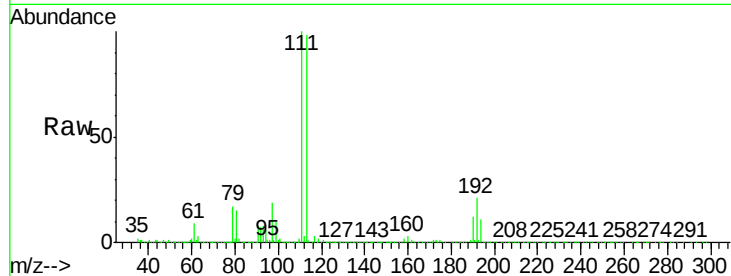
Tot Ion: 97 Resp: 50729

Ion Ratio Lower Upper

97 100

99 63.1 52.0 78.0

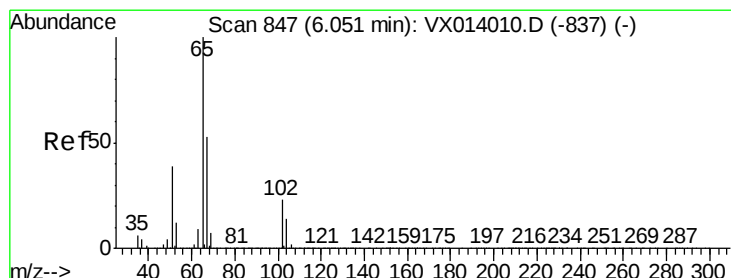
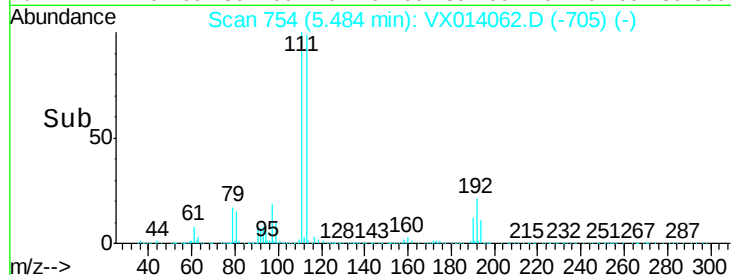
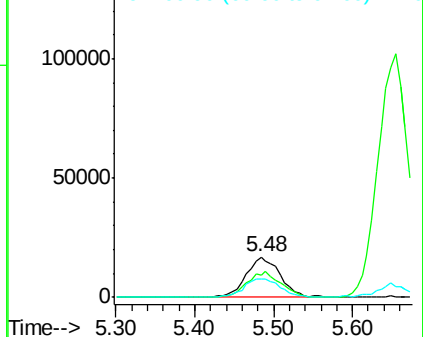
61 46.1 36.7 55.1



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: 49.966 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014062.D

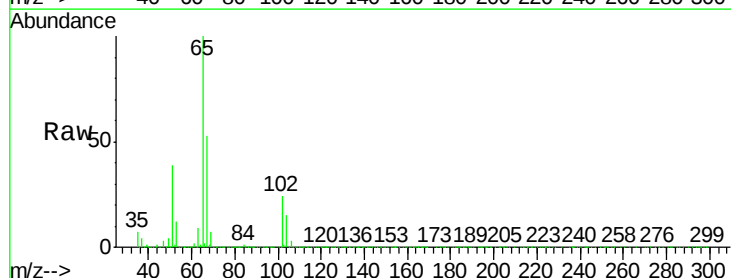
Acq: 17 Dec 2019 19:19

Tgt Ion: 65 Resp: 313587

Ion Ratio Lower Upper

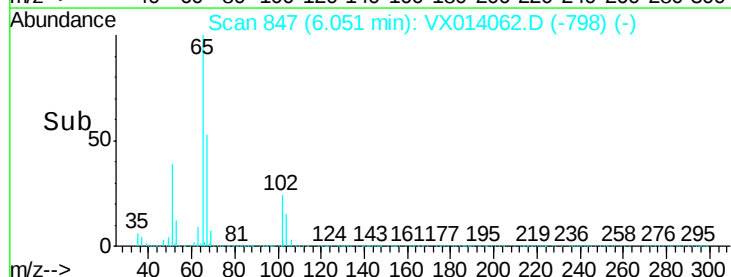
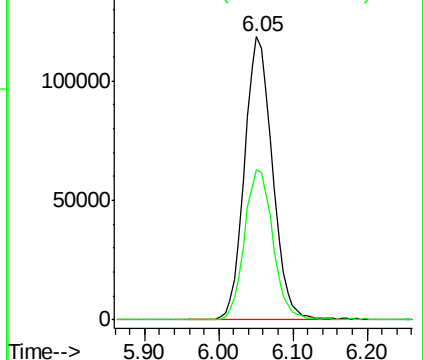
65 100

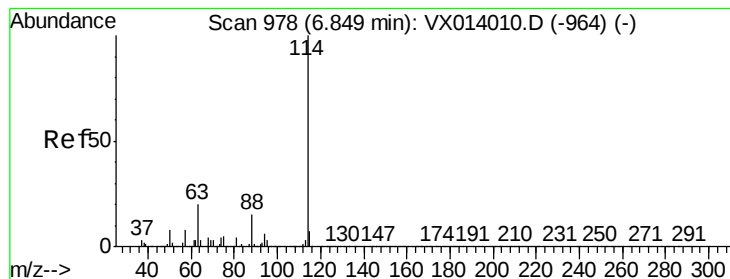
67 53.3 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

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ClientSampleId :

DUP05-20191207

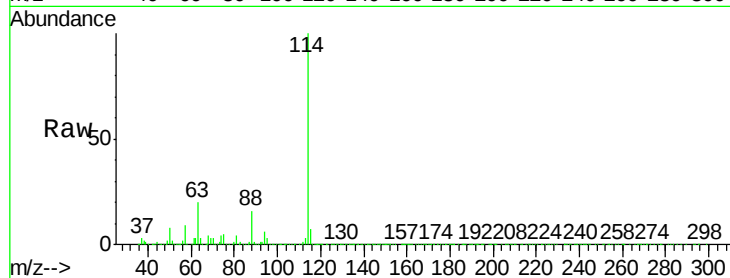
Tot Ion:114 Resp: 856416

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

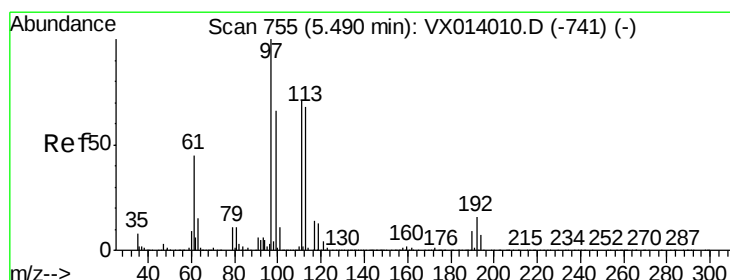
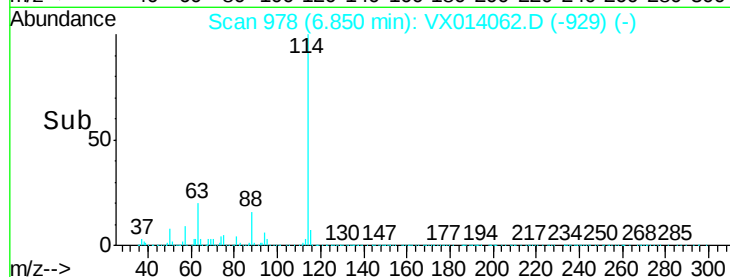
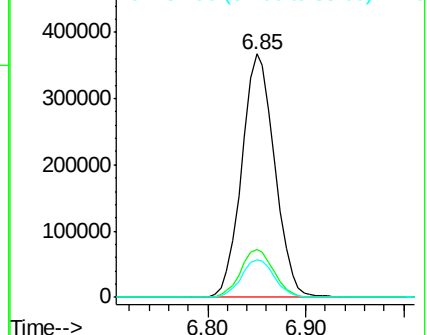
88 15.6 0.0 30.4



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: 50.145 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

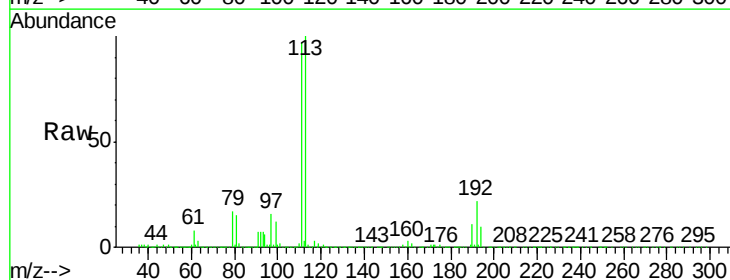
Tgt Ion:113 Resp: 261059

Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

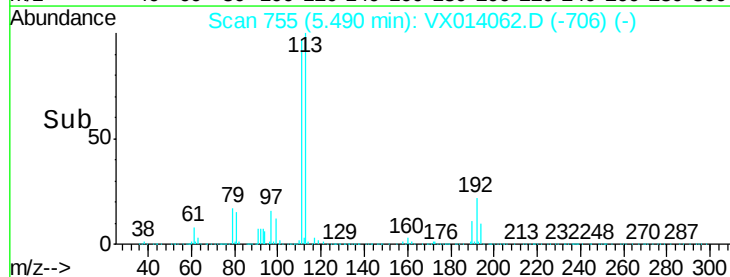
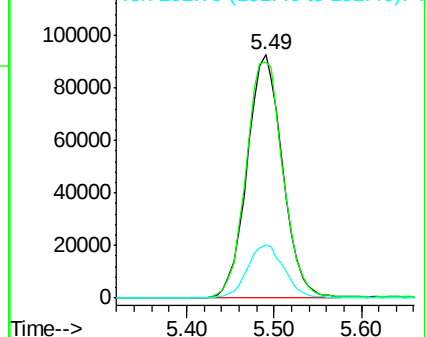
192 22.9 19.3 28.9

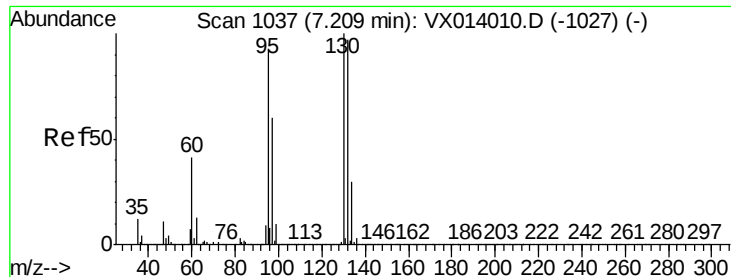


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 70.480 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

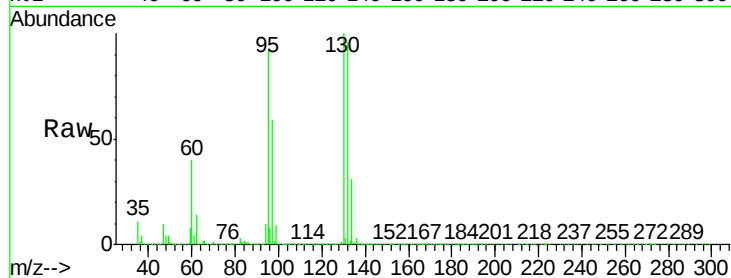
DUP05-20191207

Tot Ion:130 Resp: 470688

Ion Ratio Lower Upper

130 100

95 91.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

250000

200000

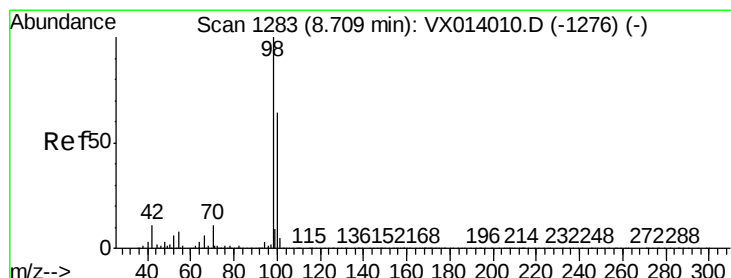
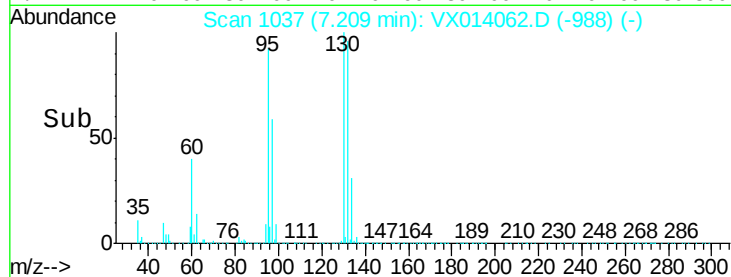
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 50.101 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014062.D

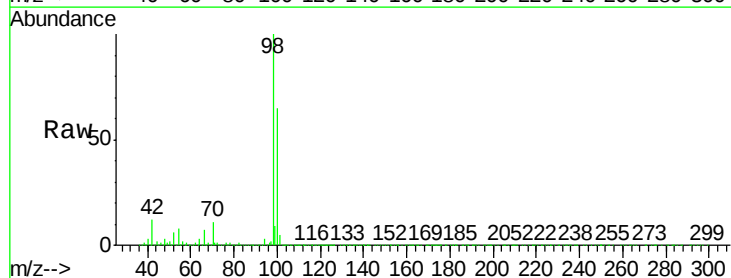
Acq: 17 Dec 2019 19:19

Tgt Ion: 98 Resp: 1015470

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

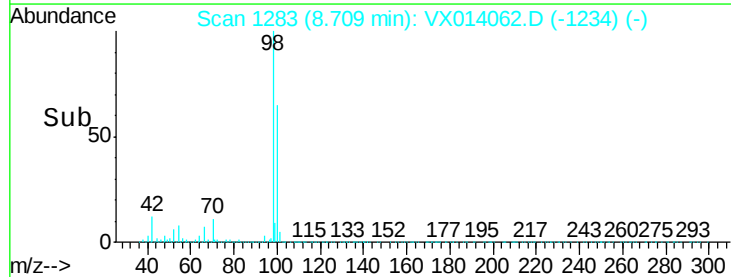
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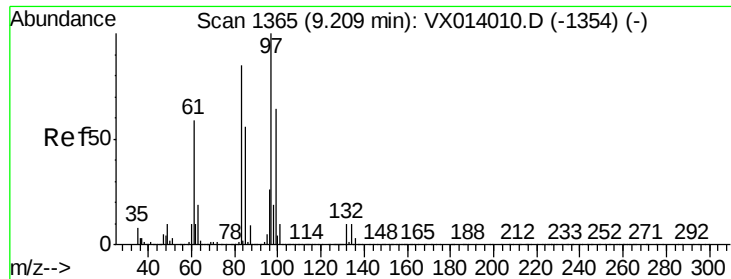
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200000

0

Time-->

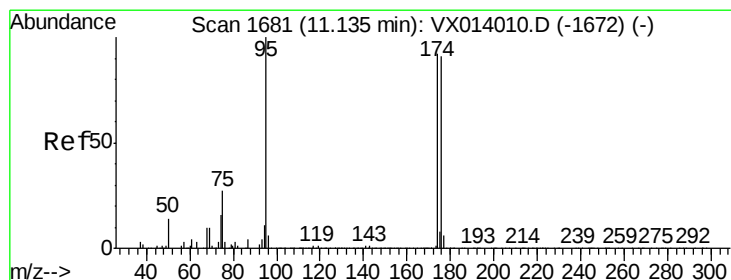
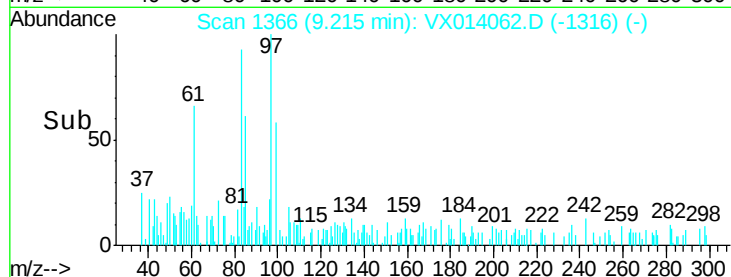
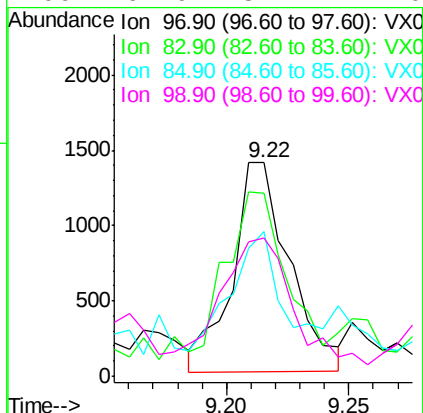
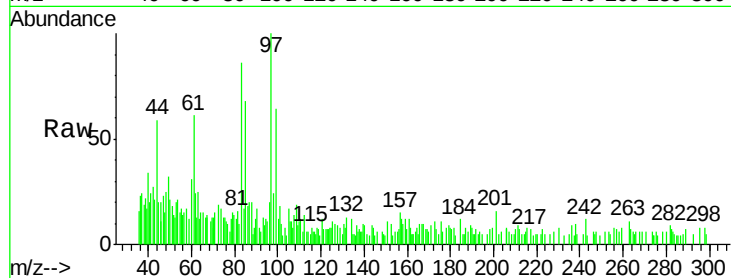




#55
 1,1,2-Trichloroethane
 Concen: 0.370 ug/l
 RT: 9.22 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX014062.D
 Acq: 17 Dec 2019 19:19

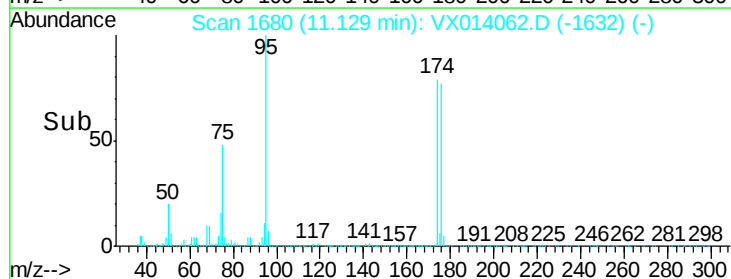
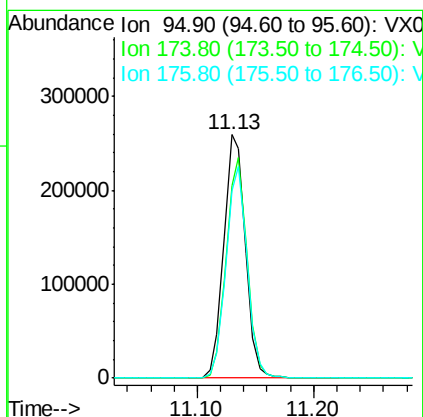
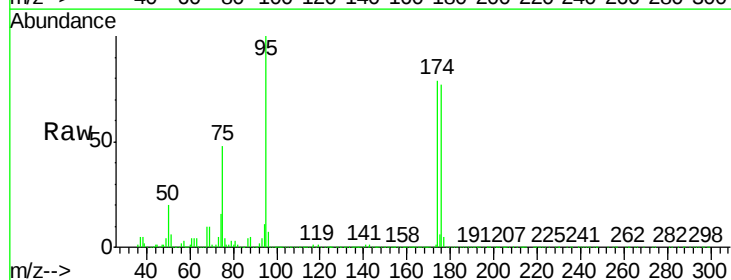
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20191207

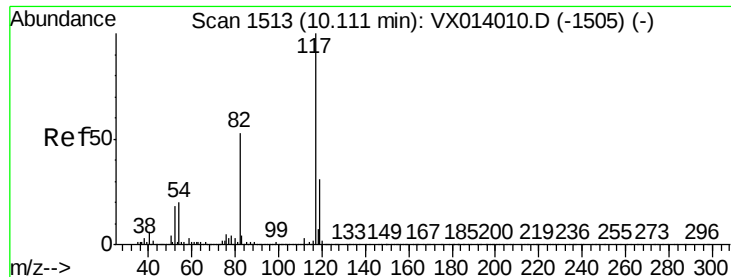
Tot Ion:	97	Resp:	2266
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	55.6	44.6	66.8
99	62.9	51.4	77.0



#62
 4-Bromofluorobenzene
 Concen: 44.823 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX014062.D
 Acq: 17 Dec 2019 19:19

Tgt Ion:	95	Resp:	332092
Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	175.8
176	85.9	0.0	173.0

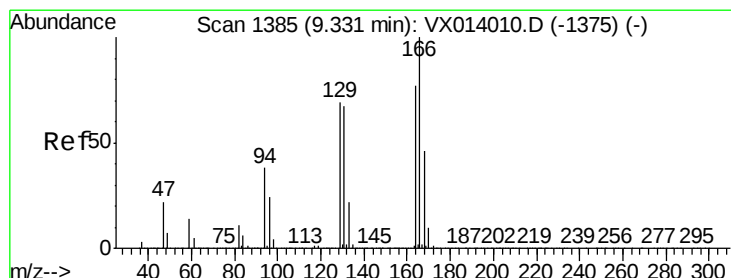
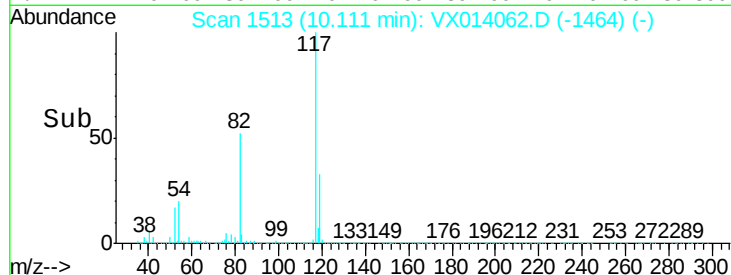
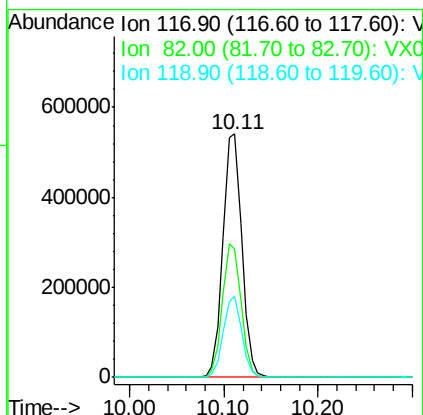
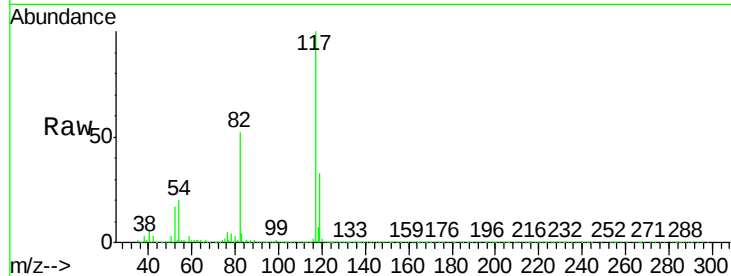




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014062.D
Acq: 17 Dec 2019 19:19

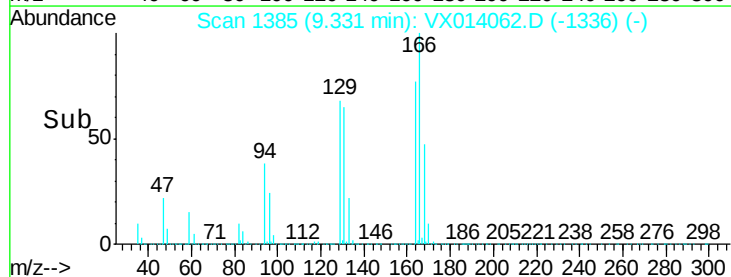
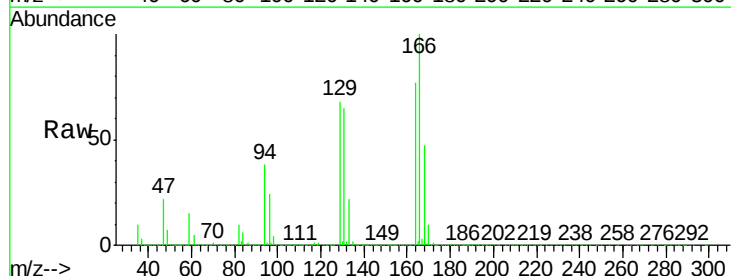
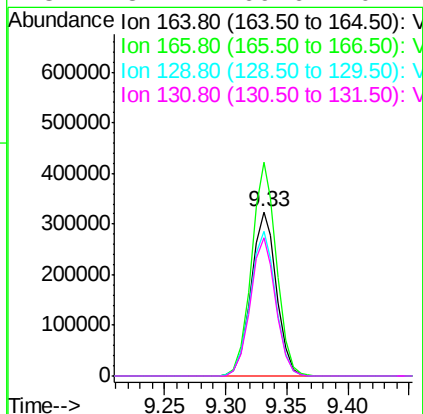
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20191207

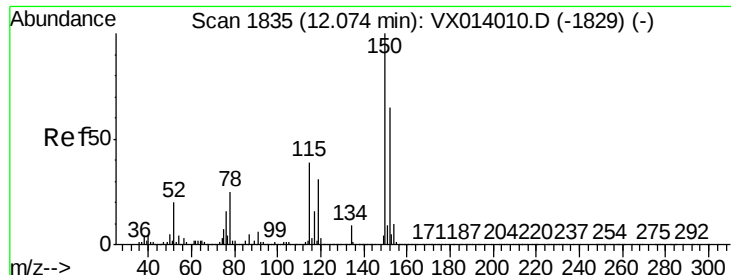
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.2	63.4
119	33.0	25.1	37.7



#64
Tetrachloroethene
Concen: 69.500 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014062.D
Acq: 17 Dec 2019 19:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	88.2	72.2	108.4
131	84.4	69.6	104.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014062.D

Acq: 17 Dec 2019 19:19

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20191207

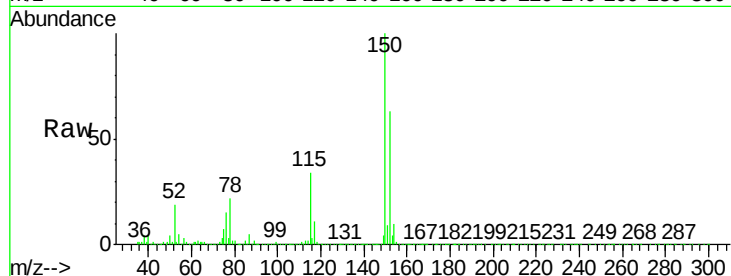
Tot Ion:152 Resp: 316592

Ion Ratio Lower Upper

152 100

115 55.7 38.3 114.9

150 156.3 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

