

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014037.D
 Acq On : 16 Dec 2019 16:00
 Operator : JC/SP
 Sample : K6252-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20191209

Quant Time: Dec 17 04:42:56 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	564948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	860356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	321161	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	317721	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	5.49	113	261569	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	8.71	98	1025738	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.14	95	337628	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	

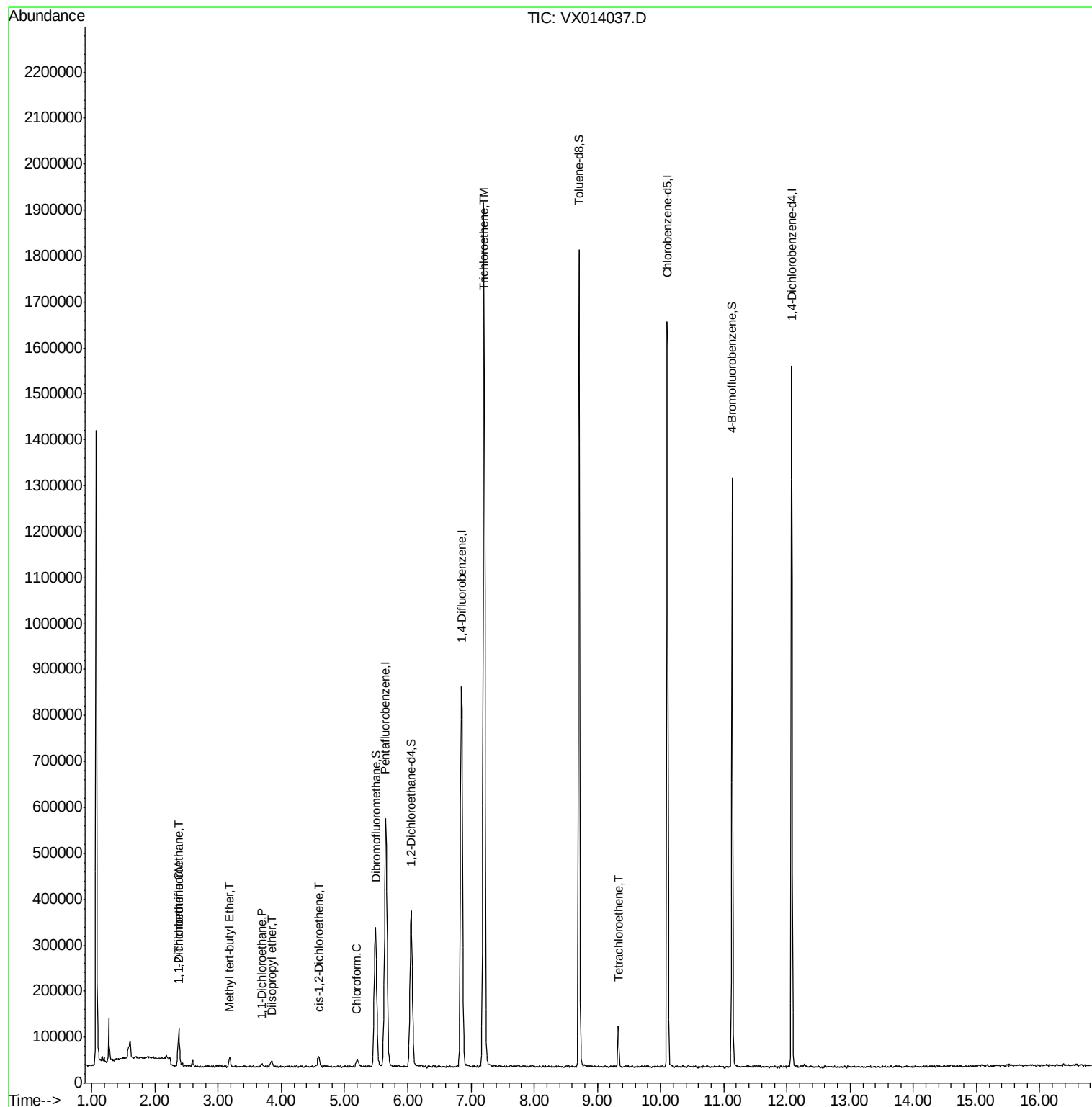
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30232	5.661	ug/l	98
12) 1,1-Dichloroethene	2.37	96	7567	1.392	ug/l #	81
19) Methyl tert-butyl Ether	3.18	73	23103	1.294	ug/l	95
22) Diisopropyl ether	3.85	45	14334	0.741	ug/l #	82
24) 1,1-Dichloroethane	3.69	63	9167	0.852	ug/l #	80
27) cis-1,2-Dichloroethene	4.59	96	13943	2.059	ug/l	87
30) Chloroform	5.20	83	21550	2.113	ug/l	93
44) Trichloroethene	7.20	130	743584	110.834	ug/l	99
64) Tetrachloroethene	9.33	164	18099	2.669	ug/l	96

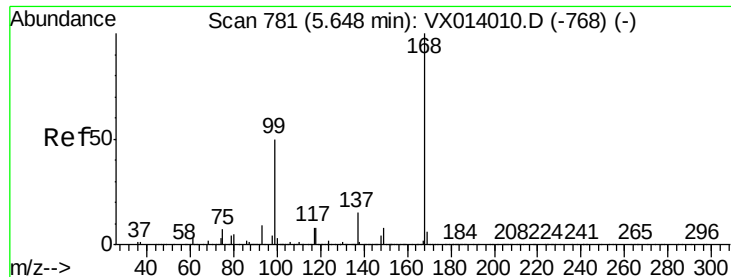
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014037.D

Acq: 16 Dec 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

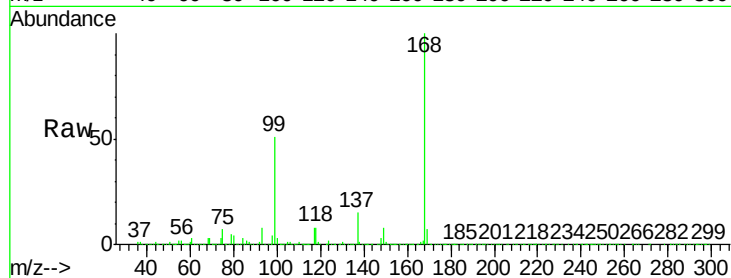
DUP06-20191209

Tot Ion:168 Resp: 564948

Ion Ratio Lower Upper

168 100

99 50.5 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

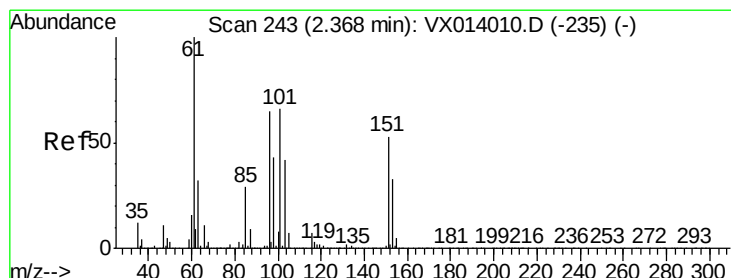
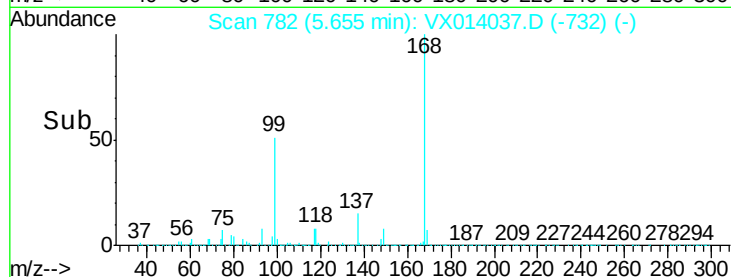
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.661 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

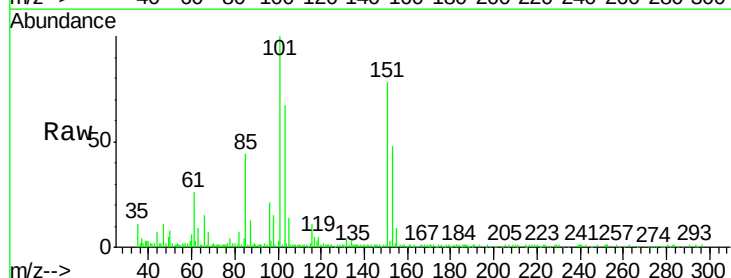
Tgt Ion:101 Resp: 30232

Ion Ratio Lower Upper

101 100

85 43.1 33.7 50.5

151 82.2 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

20000

15000

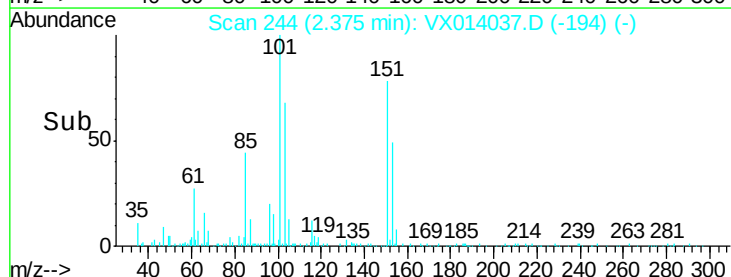
10000

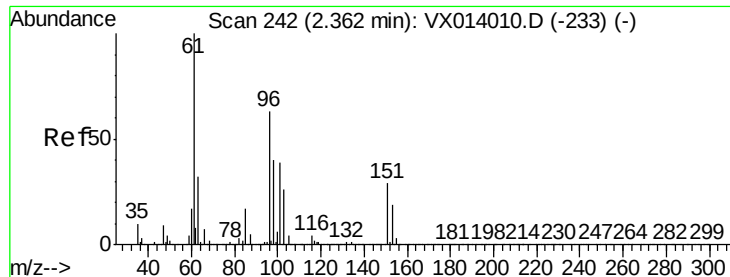
5000

0

Time-->

2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 1.392 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20191209

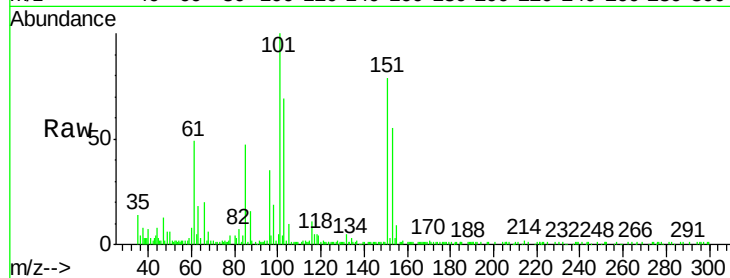
Tot Ion: 96 Resp: 7567

Ion Ratio Lower Upper

96 100

61 134.2 127.9 191.9

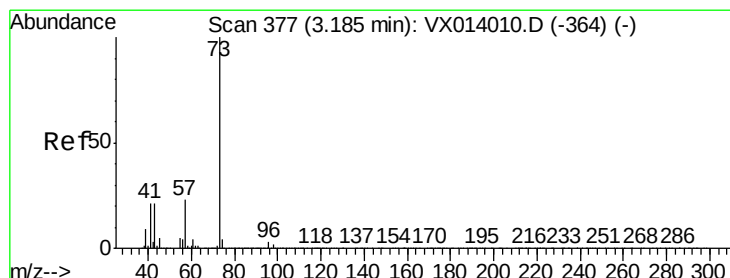
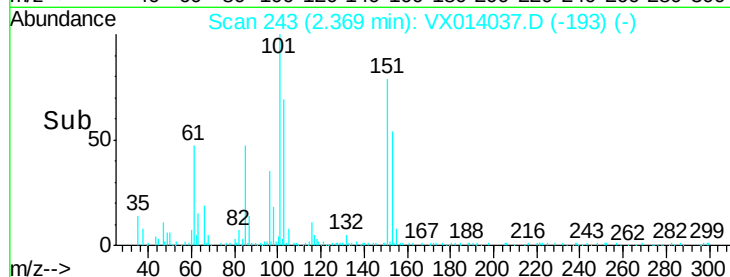
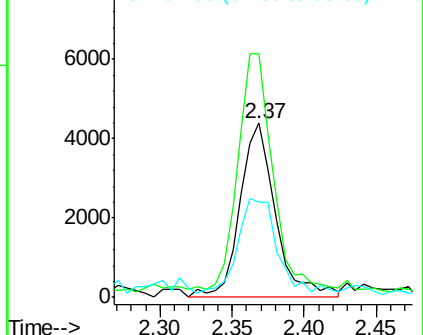
98 49.5 50.5 75.7#



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



#19

Methyl tert-butyl Ether

Concen: 1.294 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX014037.D

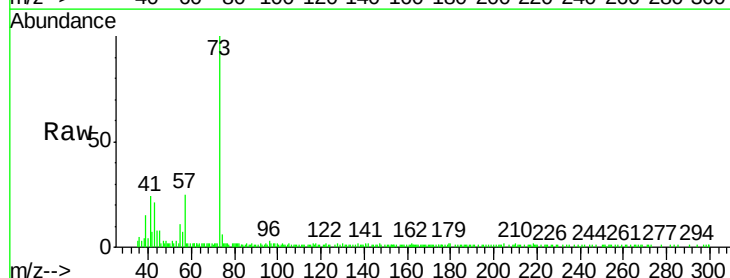
Acq: 16 Dec 2019 16:00

Tgt Ion: 73 Resp: 23103

Ion Ratio Lower Upper

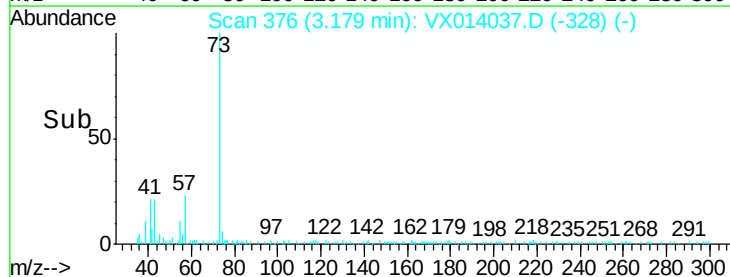
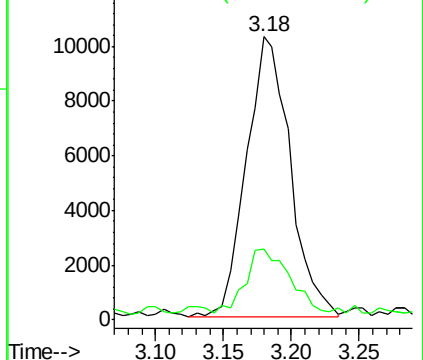
73 100

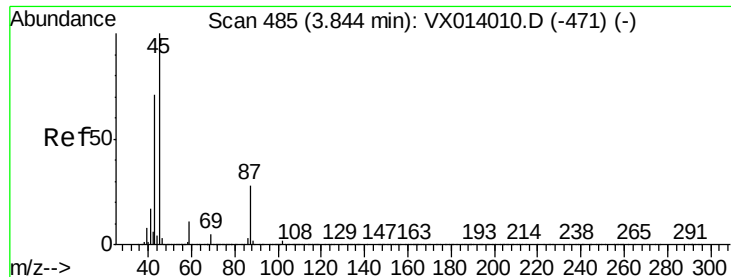
57 20.9 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#22

Diisopropyl ether

Concen: 0.741 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

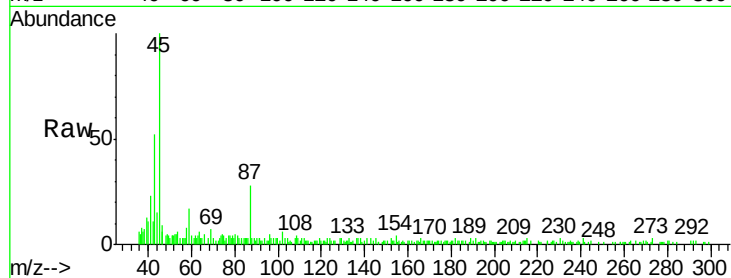
Instrument :

MSVOA_X

ClientSampleId :

DUP06-20191209

Tot Ion:	45	Resp:	14334
Ion	Ratio	Lower	Upper
45	100		
43	49.9	57.4	86.0#
87	26.6	21.9	32.9
59	10.6	9.0	13.6

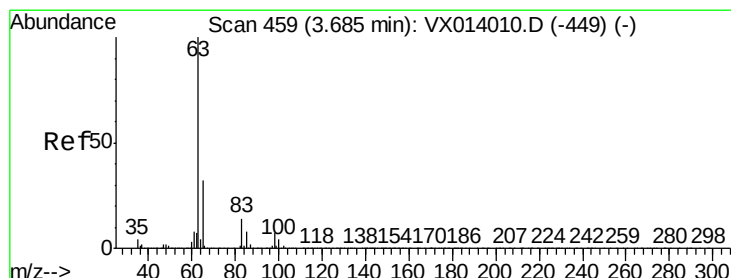
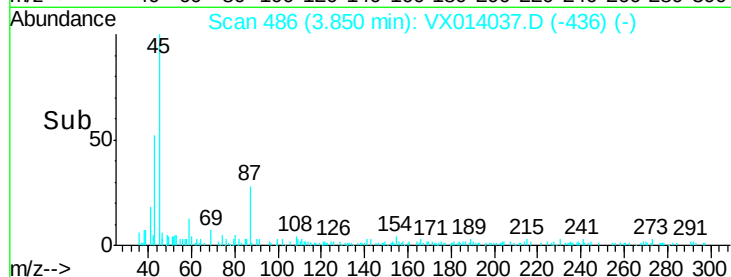
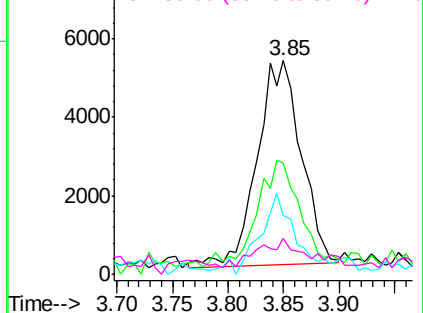


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#24

1,1-Dichloroethane

Concen: 0.852 ug/l

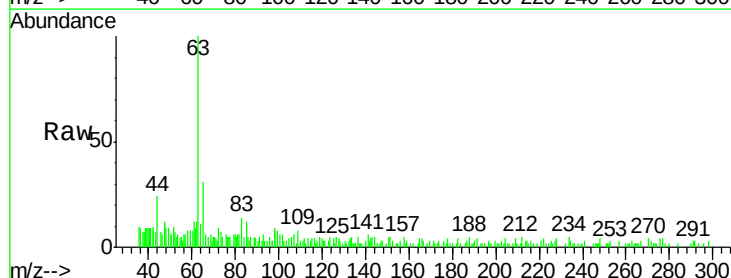
RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

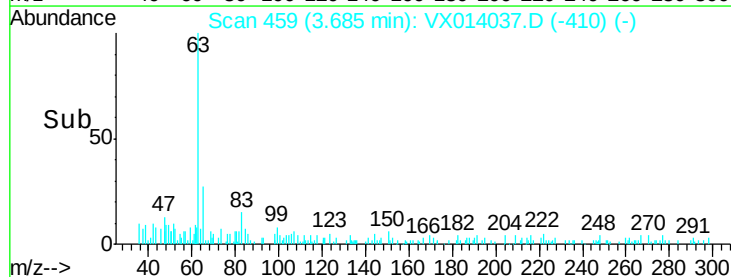
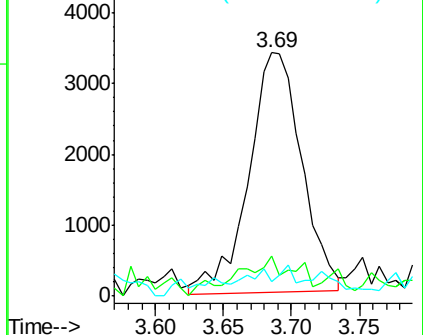
Tgt Ion:	63	Resp:	9167
Ion	Ratio	Lower	Upper
63	100		
98	17.0	3.6	10.8#
100	2.6	2.3	6.8

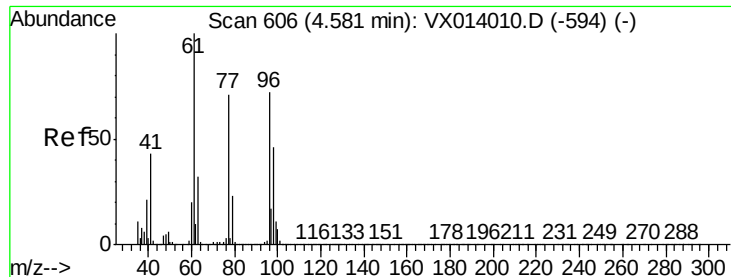


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



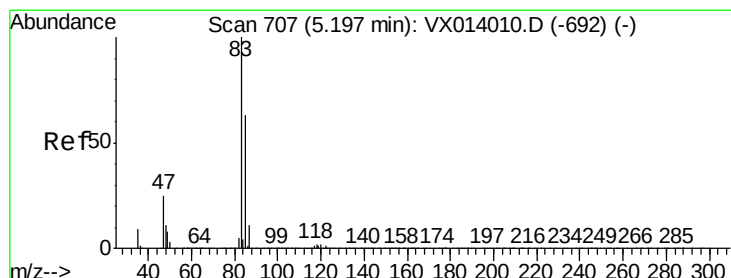
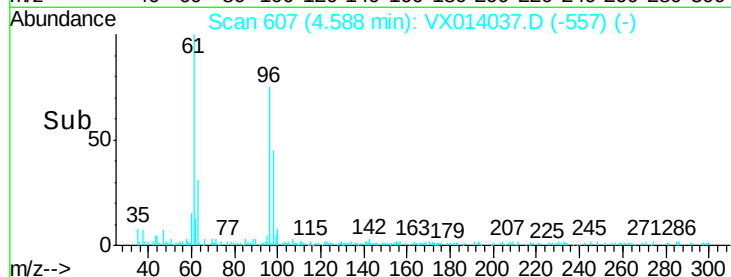
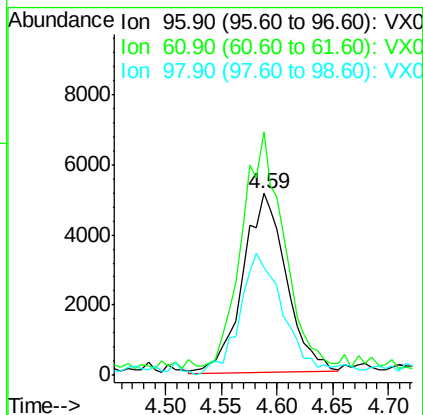
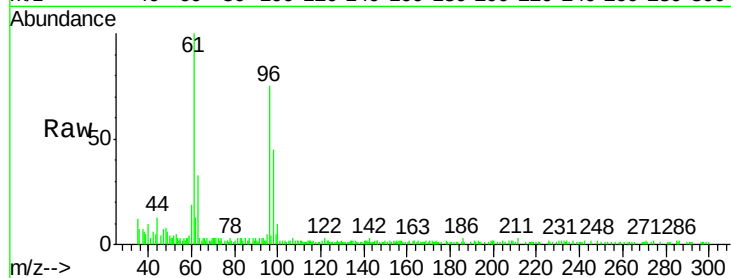


#27

cis-1,2-Dichloroethene
Concen: 2.059 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014037.D
Acq: 16 Dec 2019 16:00

Instrument :
MSVOA_X
ClientSampleId :
DUP06-20191209

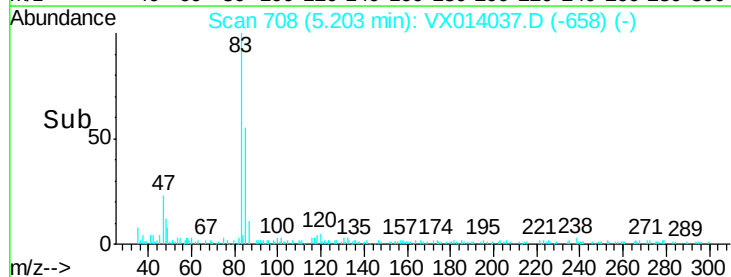
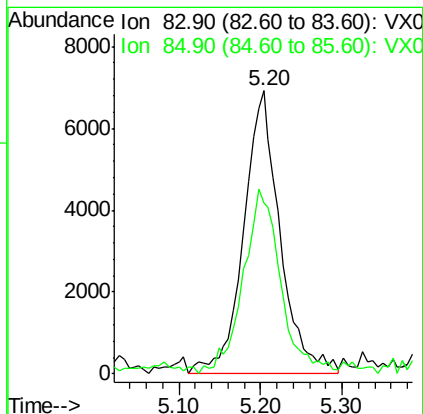
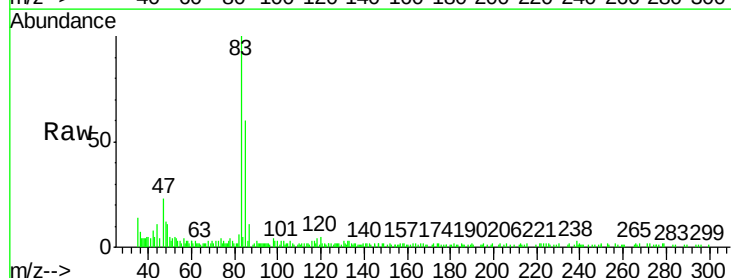
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	288.4
98	69.1	0.0	129.6

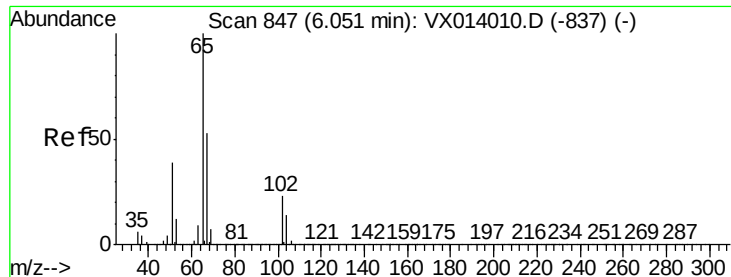


#30

Chloroform
Concen: 2.113 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014037.D
Acq: 16 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.0	50.8	76.2

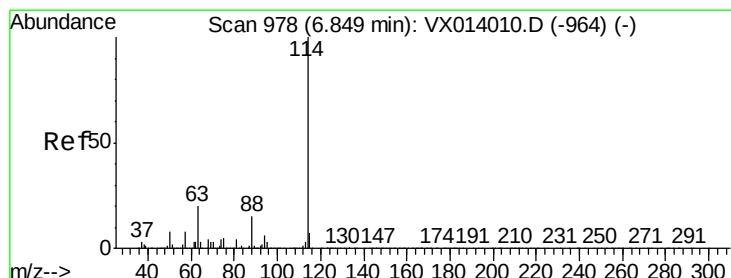
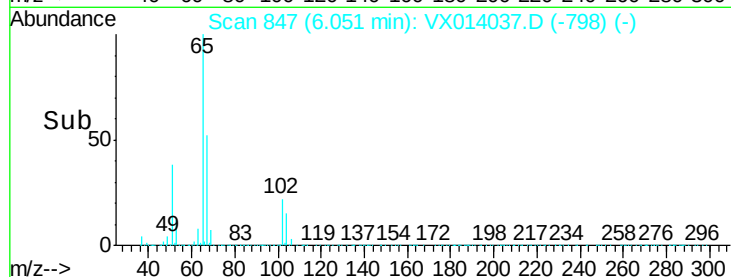
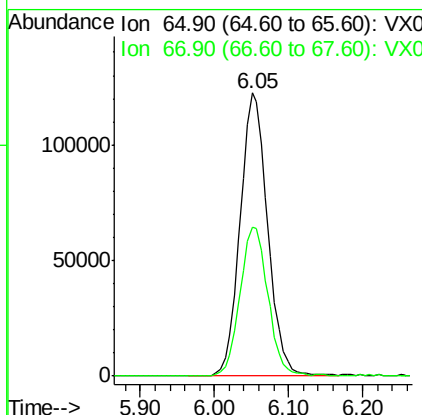
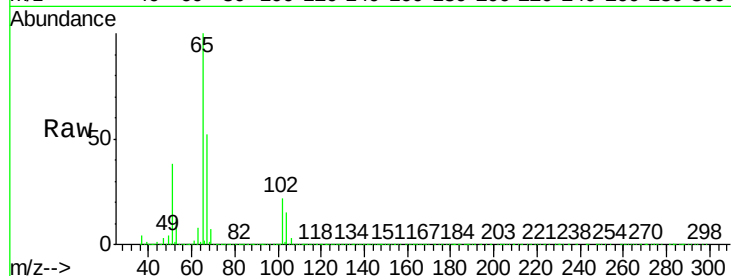




#33
 1,2-Dichloroethane-d4
 Concen: 49.621 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014037.D
 Acq: 16 Dec 2019 16:00

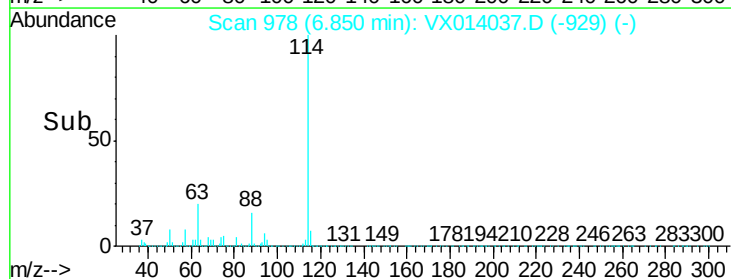
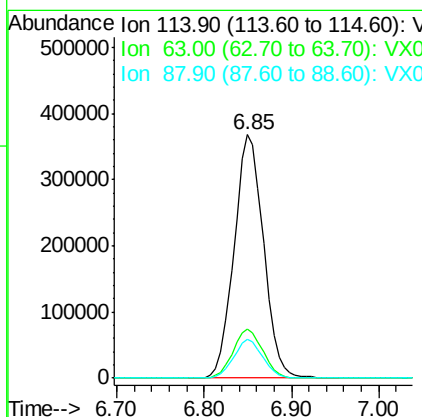
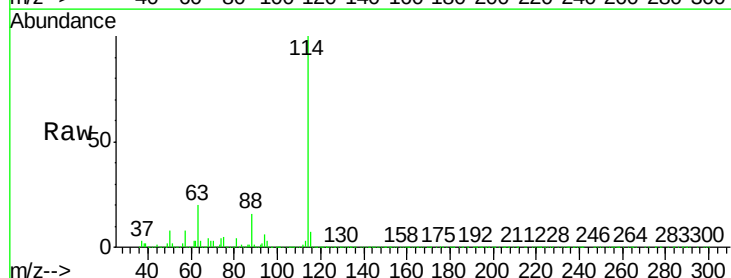
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP06-20191209

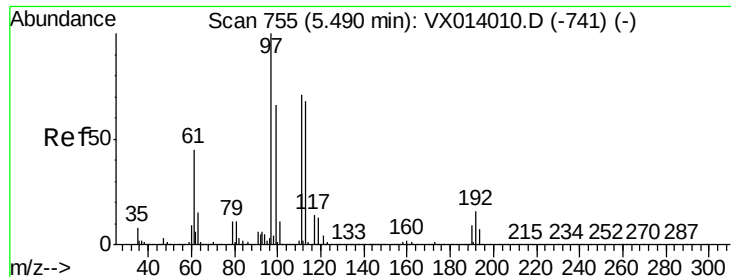
Tot Ion: 65 Resp: 317721
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014037.D
 Acq: 16 Dec 2019 16:00

Tgt Ion: 114 Resp: 860356
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.013 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20191209

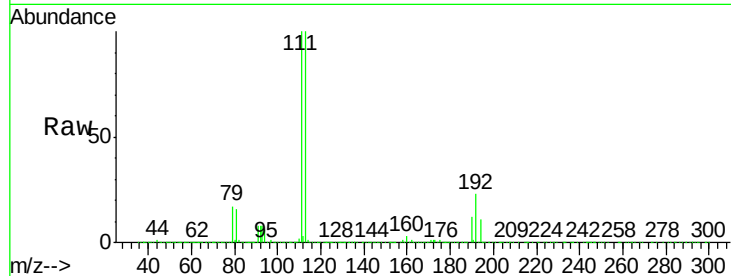
Tot Ion:113 Resp: 261569

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

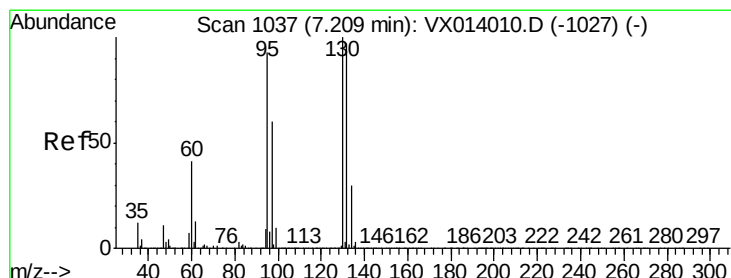
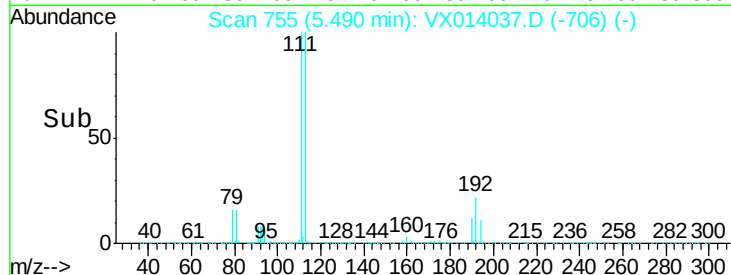
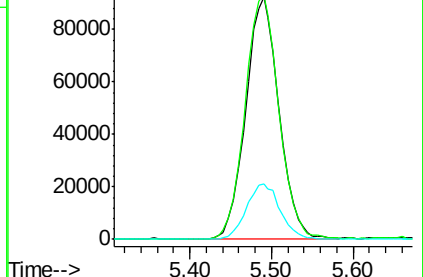
192 23.5 19.3 28.9



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: 110.834 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014037.D

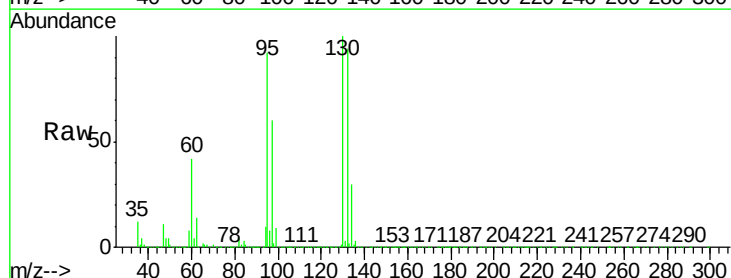
Acq: 16 Dec 2019 16:00

Tgt Ion:130 Resp: 743584

Ion Ratio Lower Upper

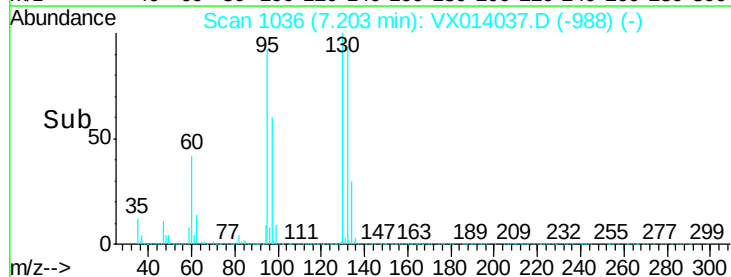
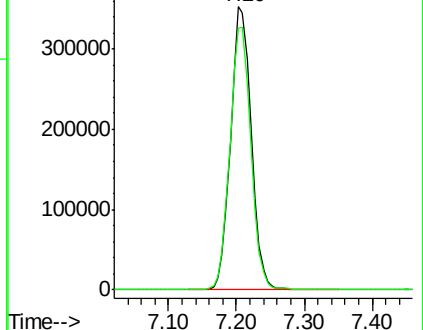
130 100

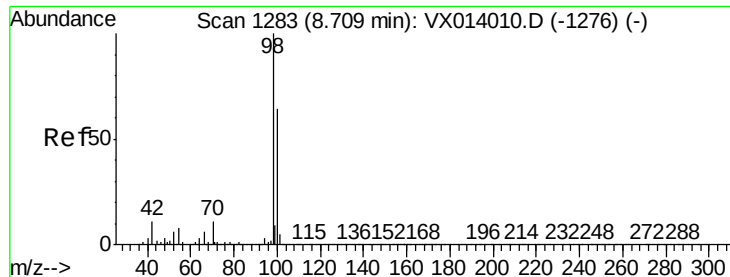
95 92.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.376 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

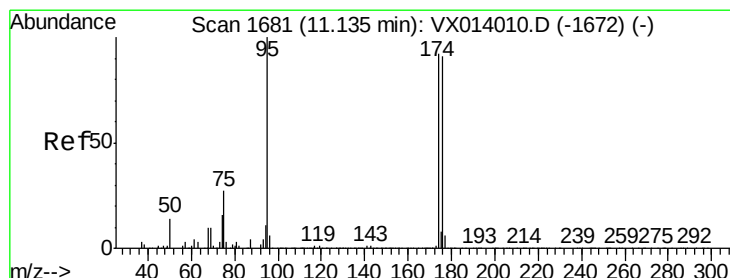
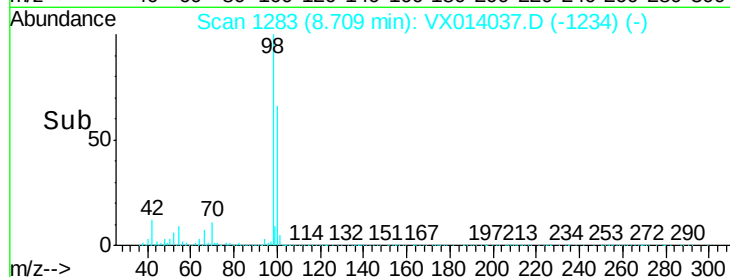
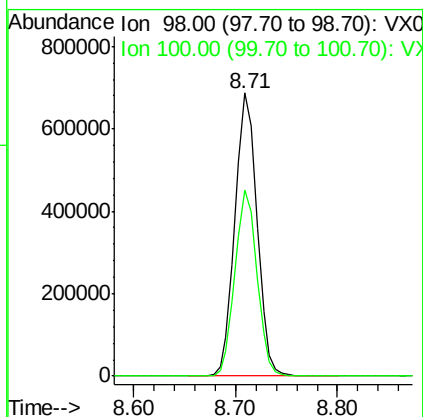
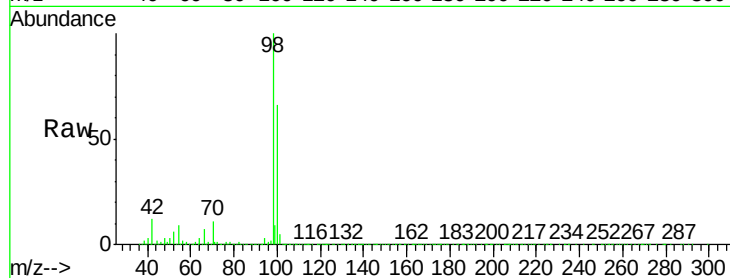
DUP06-20191209

Tot Ion: 98 Resp: 1025738

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.361 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014037.D

Acq: 16 Dec 2019 16:00

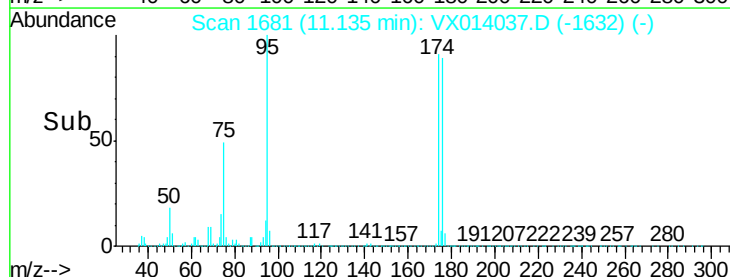
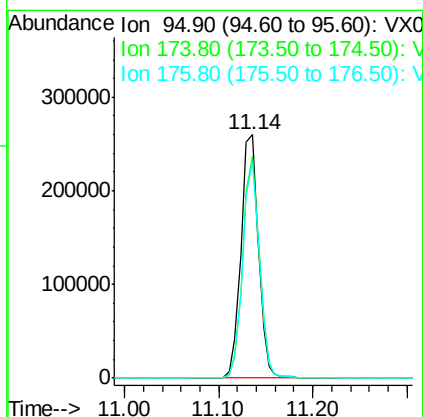
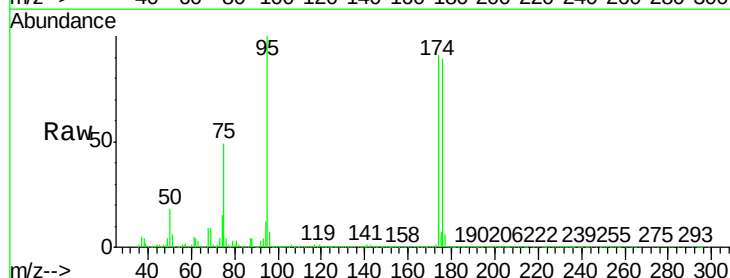
Tgt Ion: 95 Resp: 337628

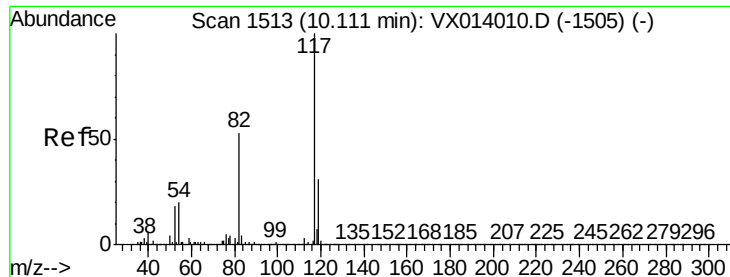
Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.8

176 85.8 0.0 173.0

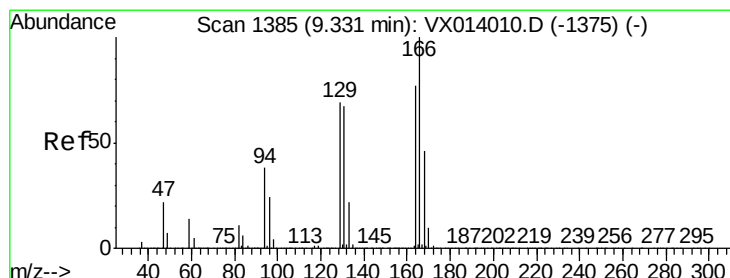
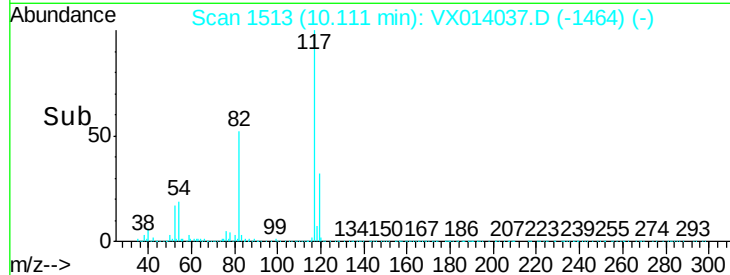
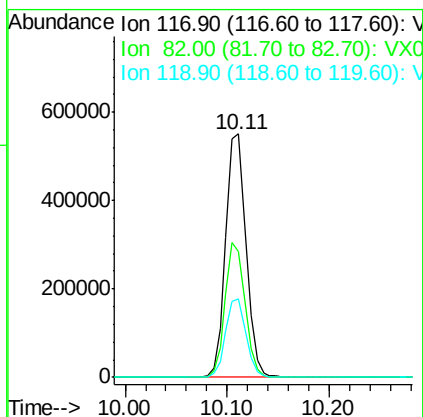
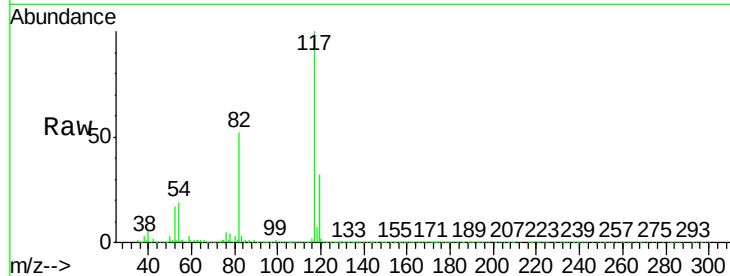




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014037.D
Acq: 16 Dec 2019 16:00

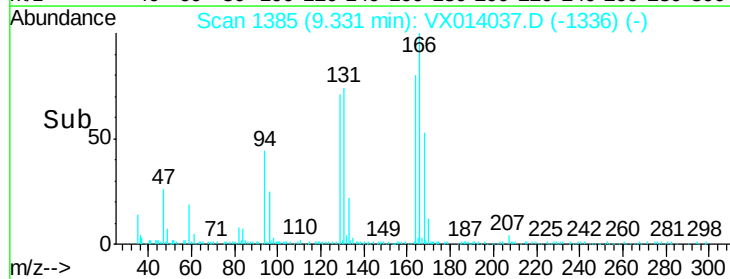
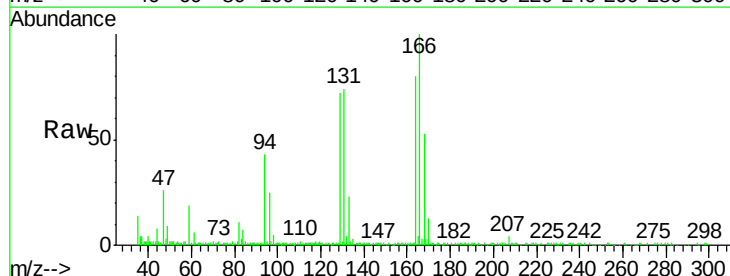
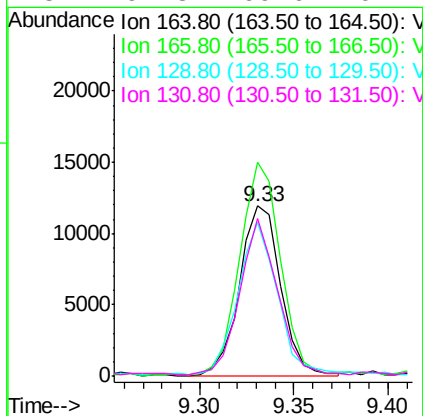
Instrument :
MSVOA_X
ClientSampleId :
DUP06-20191209

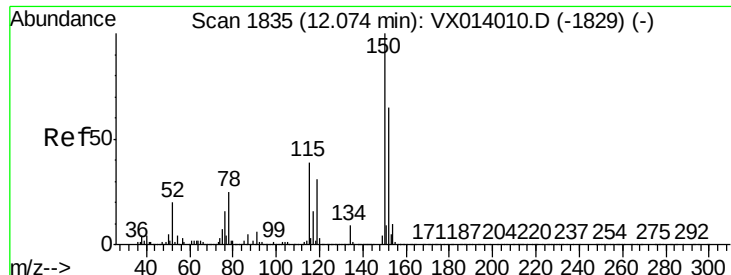
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.4
119	32.2	25.1	37.7



#64
Tetrachloroethene
Concen: 2.669 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014037.D
Acq: 16 Dec 2019 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	104.0	156.0
129	89.5	72.2	108.4
131	91.8	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: VX014037.D

Acq: 16 Dec 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

DUP06-20191209

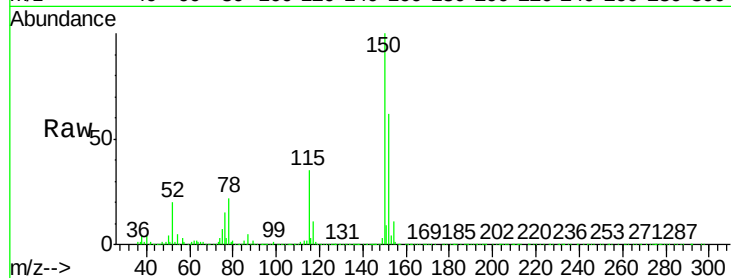
Tot Ion:152 Resp: 321161

Ion Ratio Lower Upper

152 100

115 55.9 38.3 114.9

150 157.5 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

