

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\
 Data File : VX013904.D
 Acq On : 10 Dec 2019 17:33
 Operator : JC/SP
 Sample : K6185-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20191205

Quant Time: Dec 11 06:29:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	579734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	893379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	788482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	338214	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	330824	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
35) Dibromofluoromethane	5.49	113	265240	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	8.71	98	1060031	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	345084	44.47	ug/l	0.00
Spiked Amount			Recovery	=	88.94%	

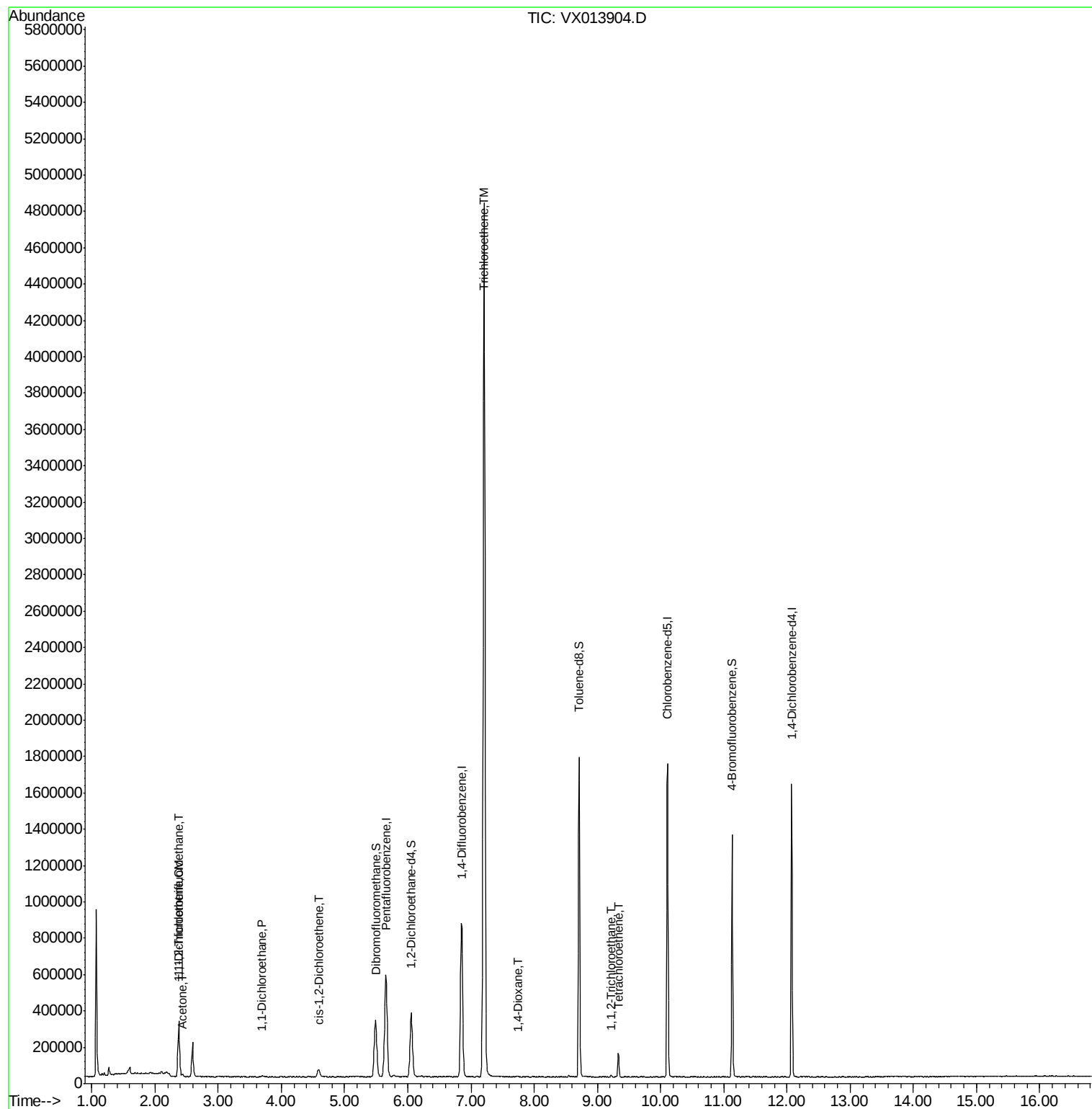
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	105571	19.100	ug/l	97
12) 1,1-Dichloroethene	2.36	96	29470	5.342	ug/l	95
16) Acetone	2.43	43	13171	3.964	ug/l	93
24) 1,1-Dichloroethane	3.69	63	9379	0.890	ug/l #	86
27) cis-1,2-Dichloroethene	4.58	96	28783	4.170	ug/l	88
44) Trichloroethene	7.21	130	1904286	280.924	ug/l	98
49) 1,4-Dioxane	7.74	88	4277	26.256	ug/l #	69
55) 1,1,2-Trichloroethane	9.21	97	2796	0.452	ug/l #	88
64) Tetrachloroethene	9.33	164	26742	4.548	ug/l	97

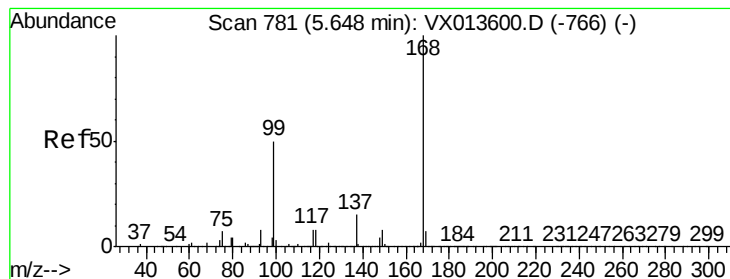
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121019\
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Quant Time: Dec 11 06:29:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

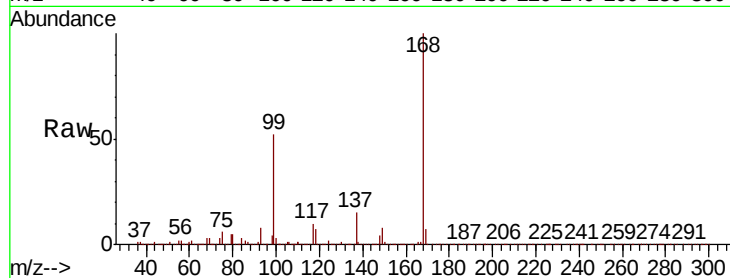
DUP03-20191205

Tot Ion:168 Resp: 579734

Ion Ratio Lower Upper

168 100

99 52.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

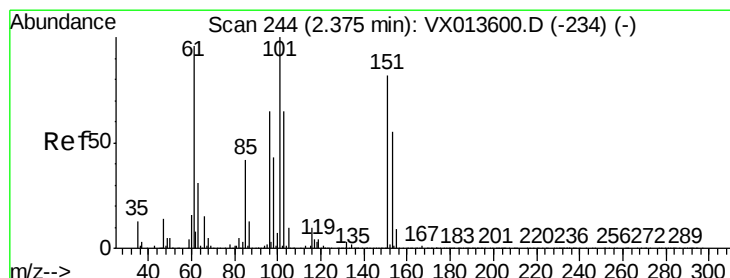
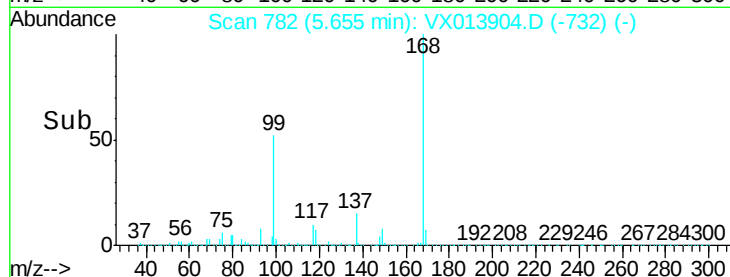
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.100 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

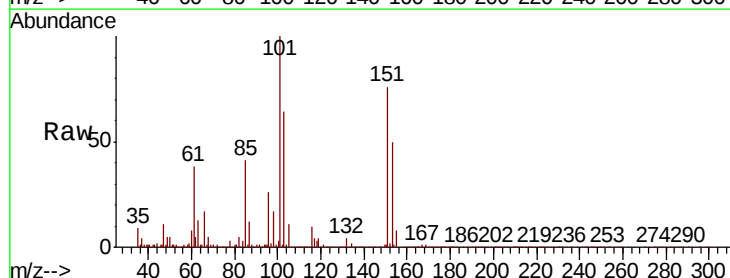
Tgt Ion:101 Resp: 105571

Ion Ratio Lower Upper

101 100

85 40.1 33.9 50.9

151 77.4 64.2 96.2



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

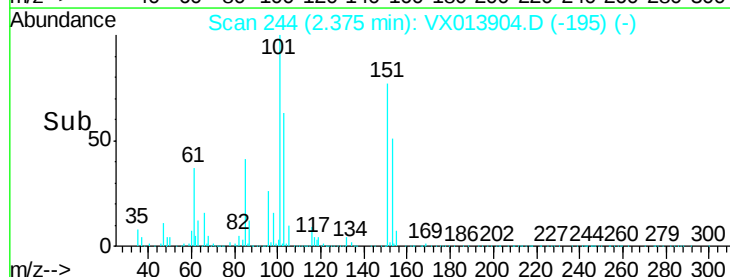
60000

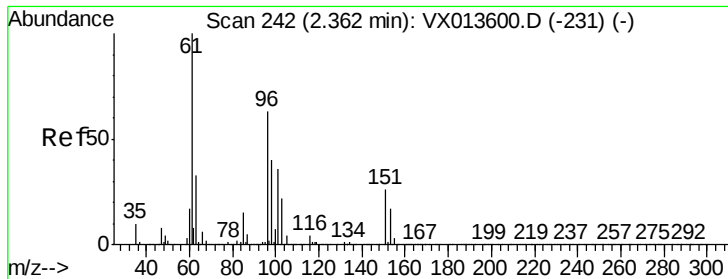
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.342 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20191205

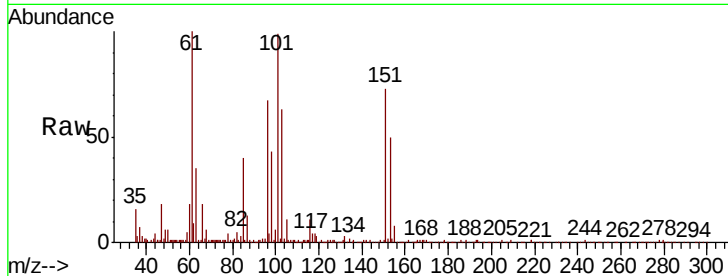
Tot Ion: 96 Resp: 29470

Ion Ratio Lower Upper

96 100

61 148.6 126.6 190.0

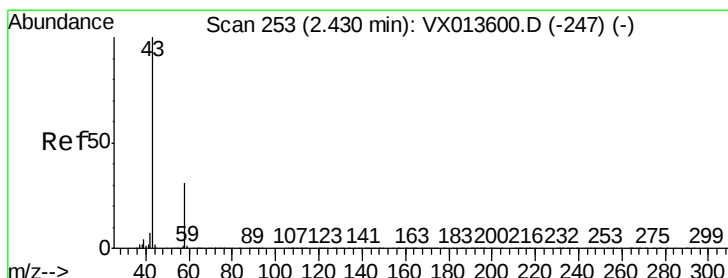
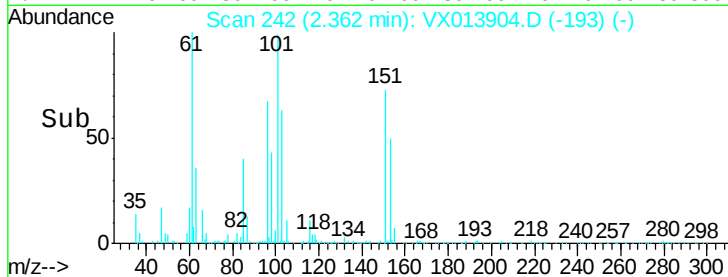
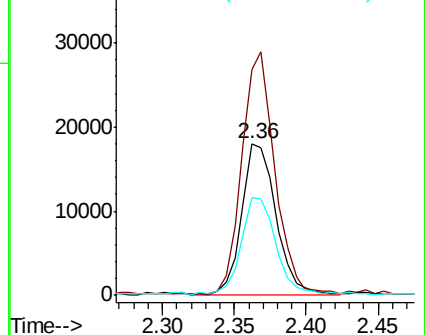
98 63.8 50.6 76.0



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



#16

Acetone

Concen: 3.964 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013904.D

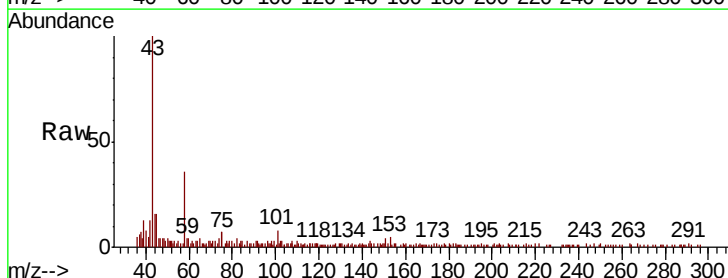
Acq: 10 Dec 2019 17:33

Tgt Ion: 43 Resp: 13171

Ion Ratio Lower Upper

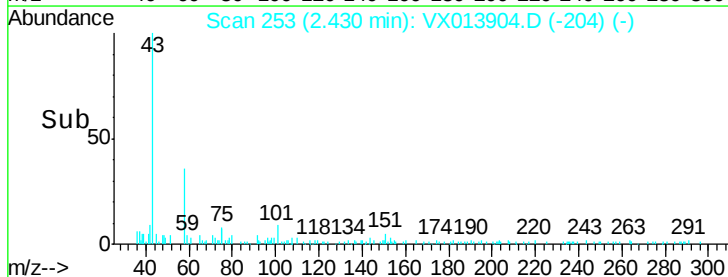
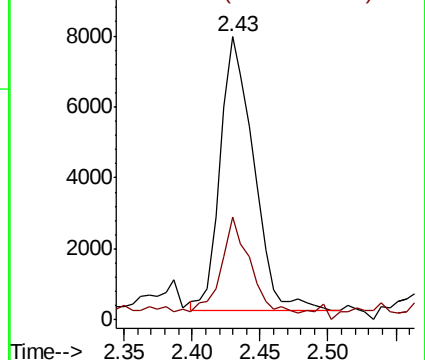
43 100

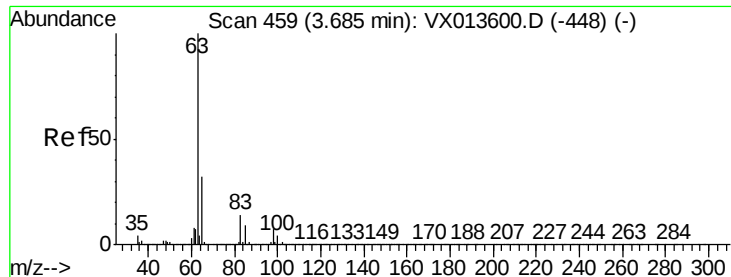
58 34.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 0.890 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20191205

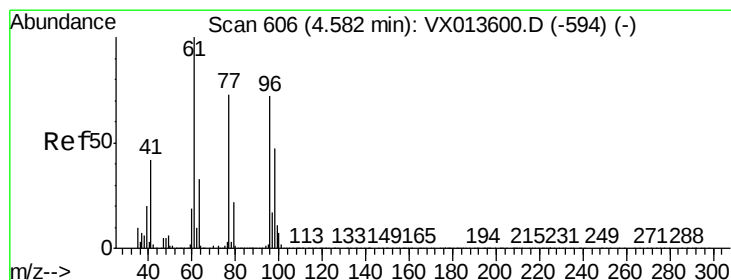
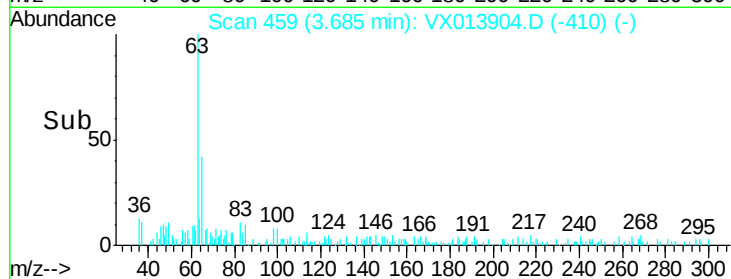
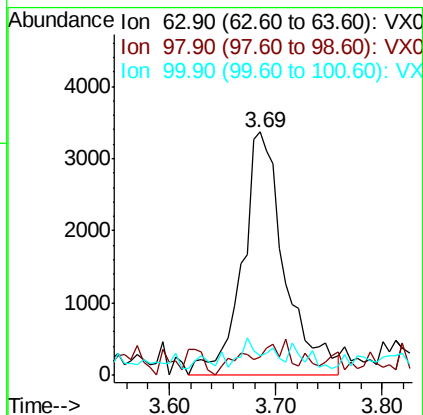
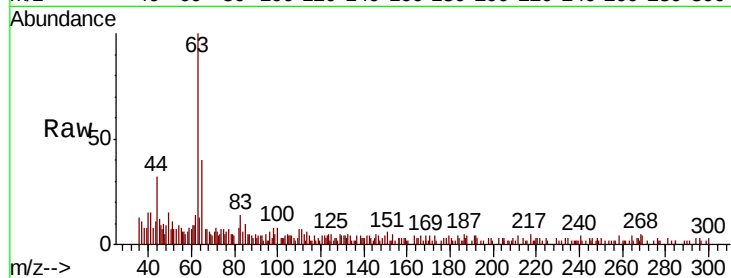
Tot Ion: 63 Resp: 9379

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 5.8 2.1 6.3



#27

cis-1,2-Dichloroethene

Concen: 4.170 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

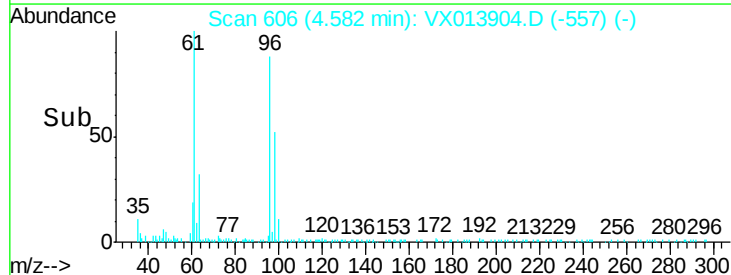
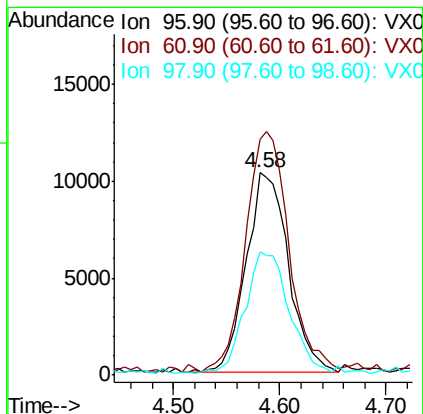
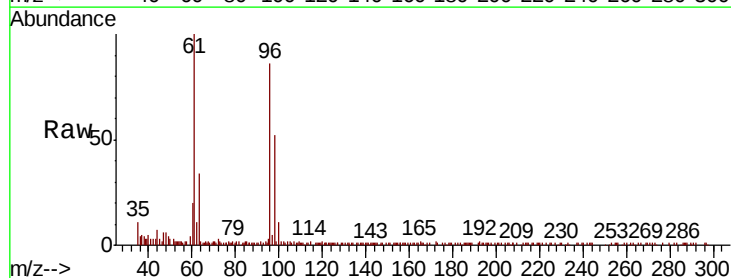
Tgt Ion: 96 Resp: 28783

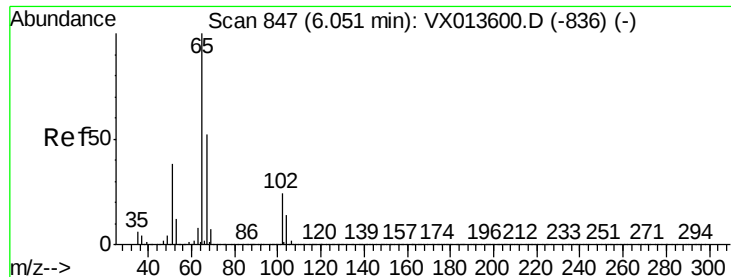
Ion Ratio Lower Upper

96 100

61 122.8 0.0 286.4

98 62.4 0.0 127.4





#33

1,2-Dichloroethane-d4

Concen: 49.161 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

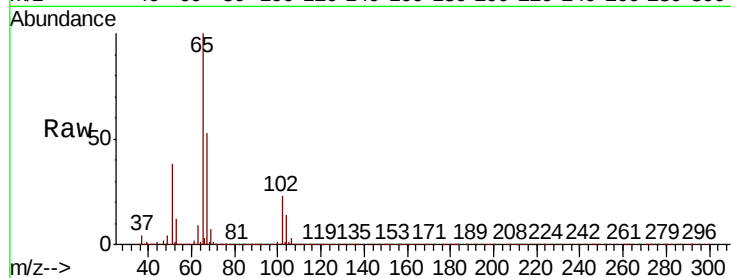
DUP03-20191205

Tot Ion: 65 Resp: 330824

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

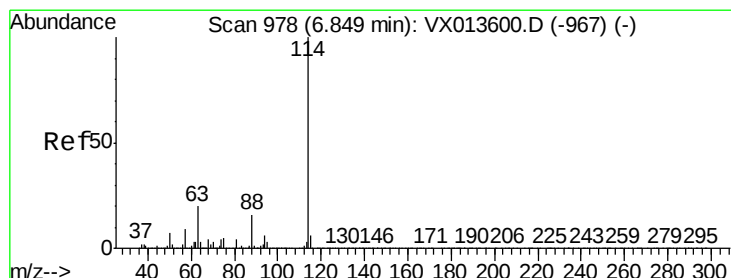
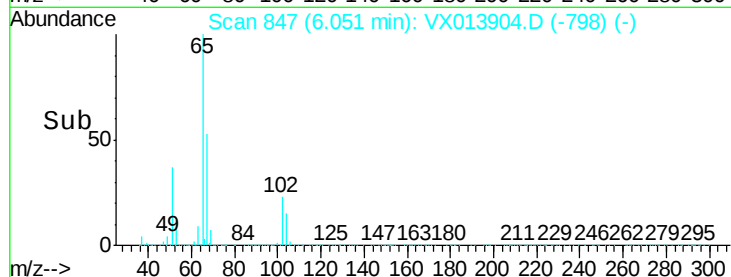
6.05

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

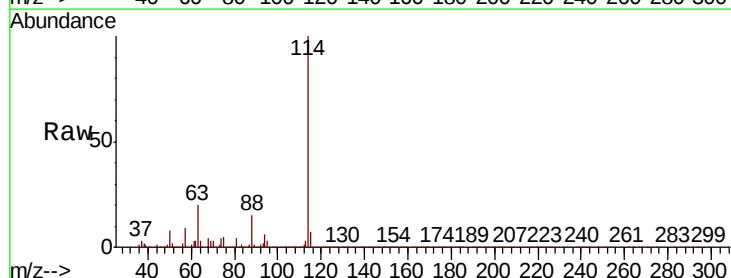
Tgt Ion: 114 Resp: 893379

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.0 0.0 31.4



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

500000

400000

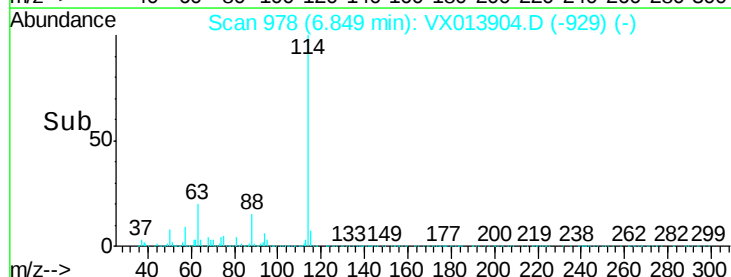
300000

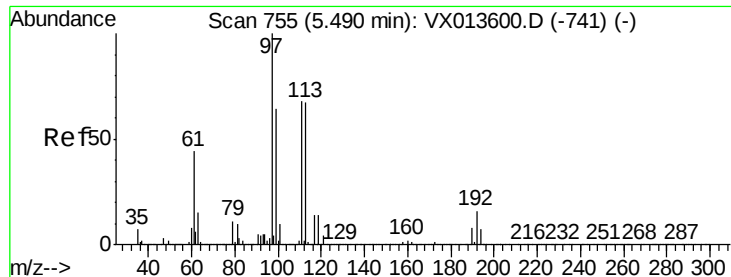
200000

100000

0

Time-->

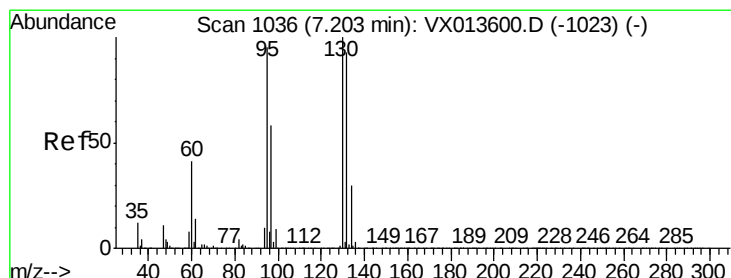
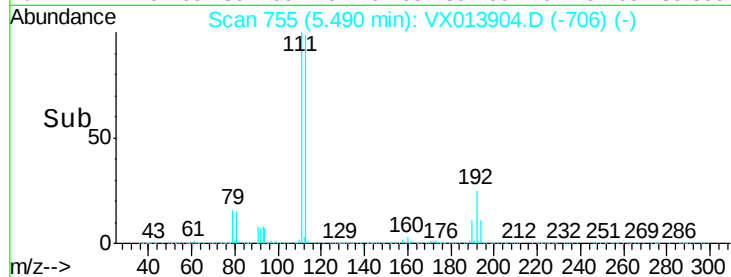
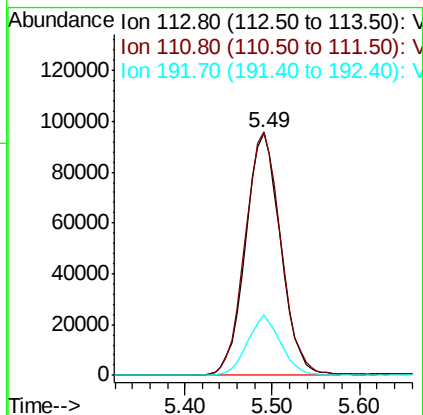
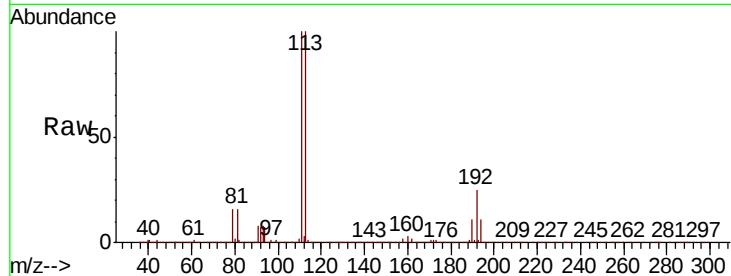




#35
 Dibromofluoromethane
 Concen: 48.025 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX013904.D
 Acq: 10 Dec 2019 17:33

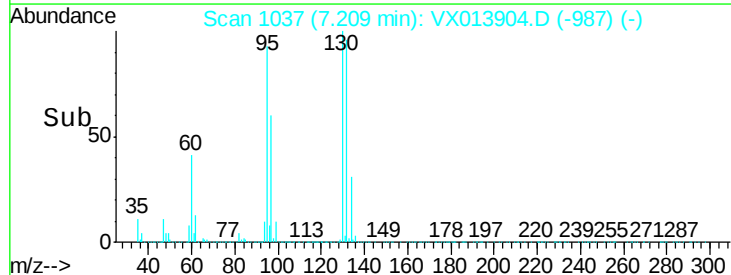
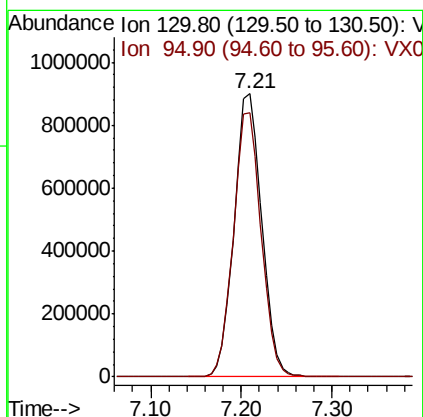
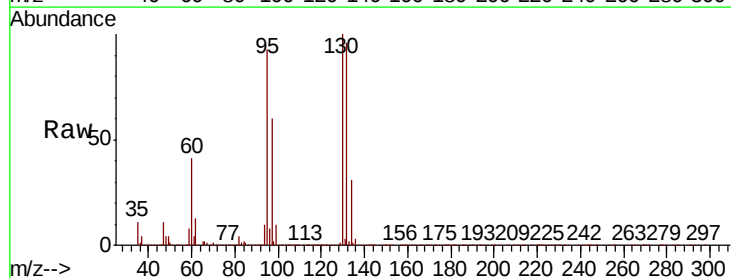
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20191205

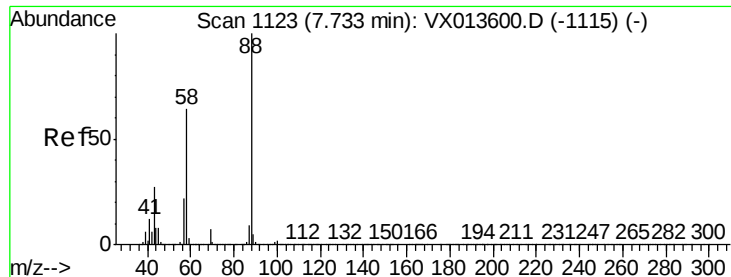
Tot Ion:113 Resp: 265240
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.6 125.4
 192 23.8 19.2 28.8



#44
 Trichloroethene
 Concen: 280.924 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013904.D
 Acq: 10 Dec 2019 17:33

Tgt Ion:130 Resp: 1904286
 Ion Ratio Lower Upper
 130 100
 95 93.2 0.0 190.8





#49

1,4-Dioxane

Concen: 26.256 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20191205

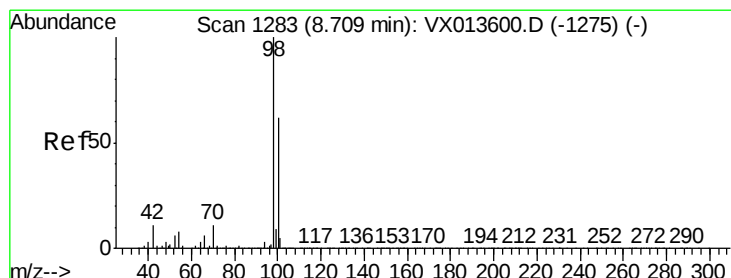
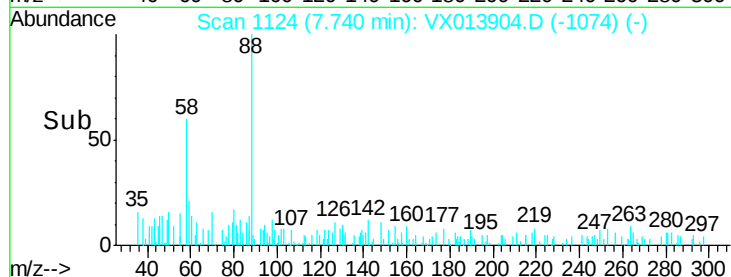
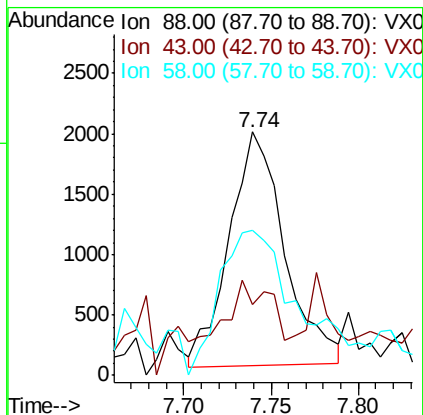
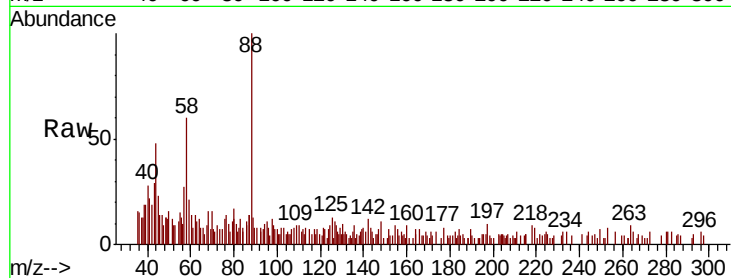
Tot Ion: 88 Resp: 4277

Ion Ratio Lower Upper

88 100

43 11.2 25.8 38.6#

58 91.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.262 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013904.D

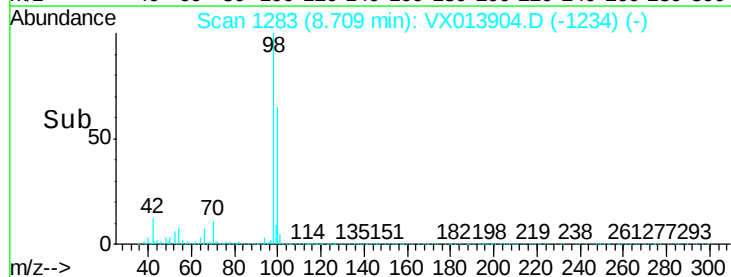
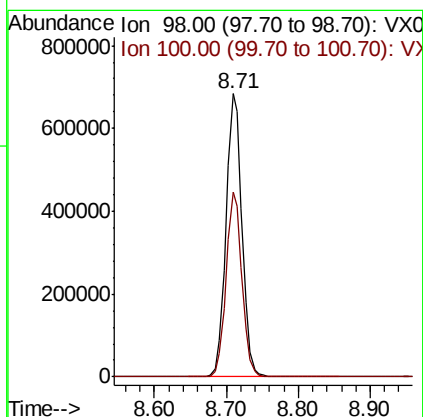
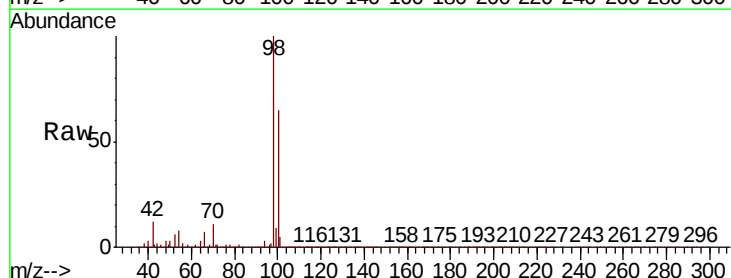
Acq: 10 Dec 2019 17:33

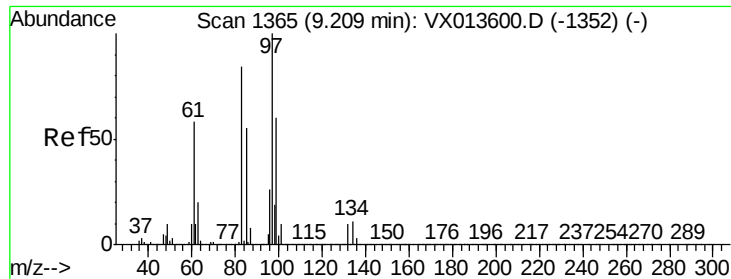
Tgt Ion: 98 Resp: 1060031

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7

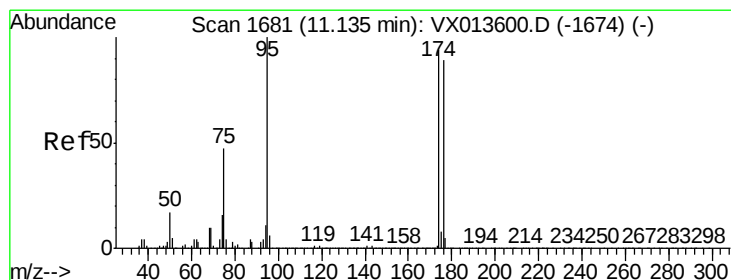
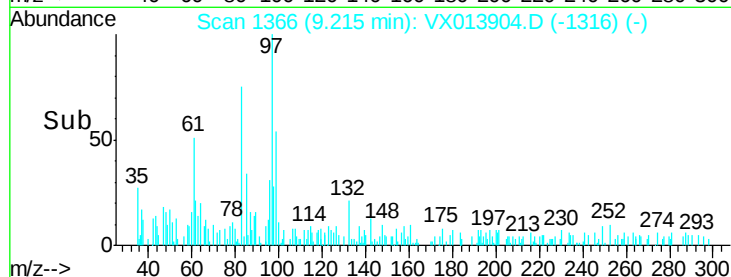
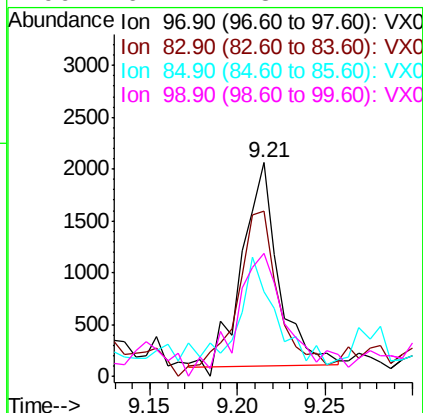
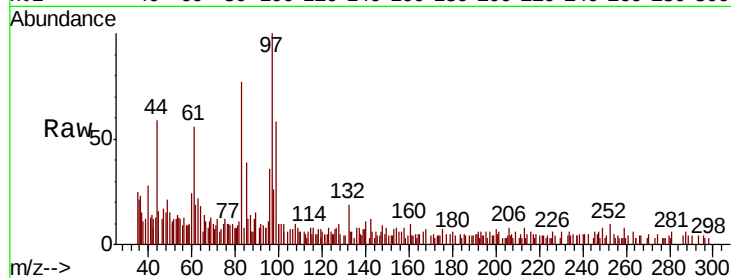




#55
 1,1,2-Trichloroethane
 Concen: 0.452 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013904.D
 Acq: 10 Dec 2019 17:33

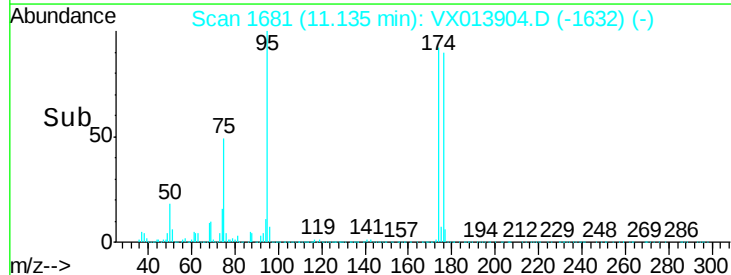
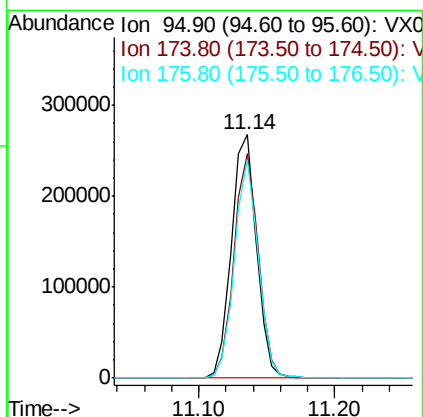
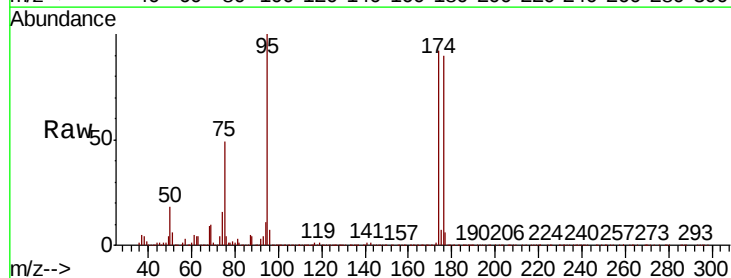
Instrument :
 MSVOA_X
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 DUP03-20191205

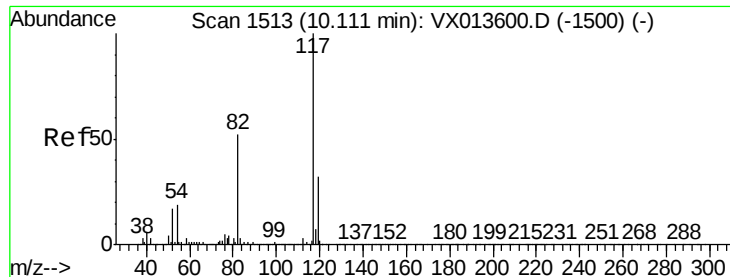
Tot Ion:	97	Resp:	2796
Ion	Ratio	Lower	Upper
97	100		
83	76.9	67.3	100.9
85	33.9	43.6	65.4
99	61.1	48.2	72.4



#62
 4-Bromofluorobenzene
 Concen: 44.472 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013904.D
 Acq: 10 Dec 2019 17:33

Tgt Ion:	95	Resp:	345084
Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	180.0
176	85.6	0.0	173.6

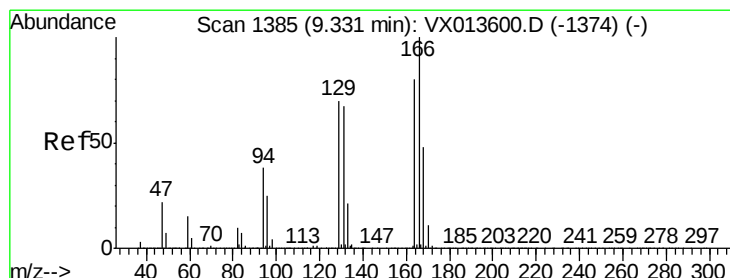
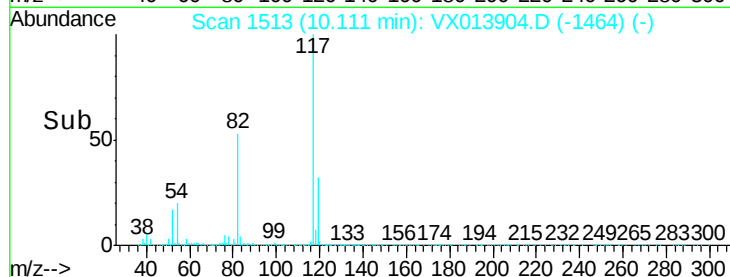
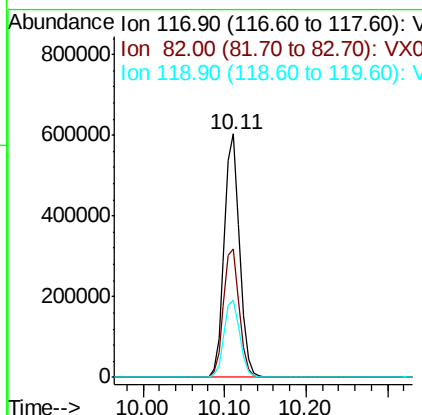
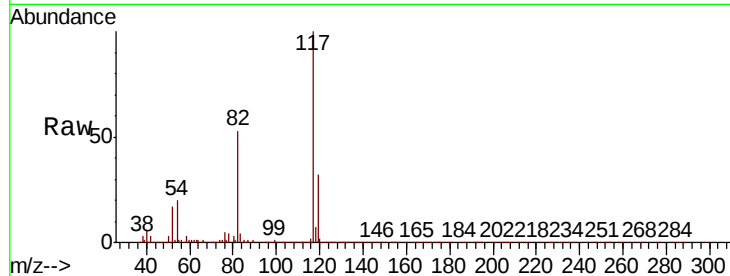




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013904.D
Acq: 10 Dec 2019 17:33

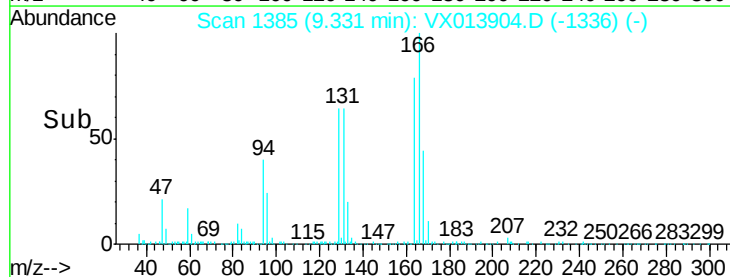
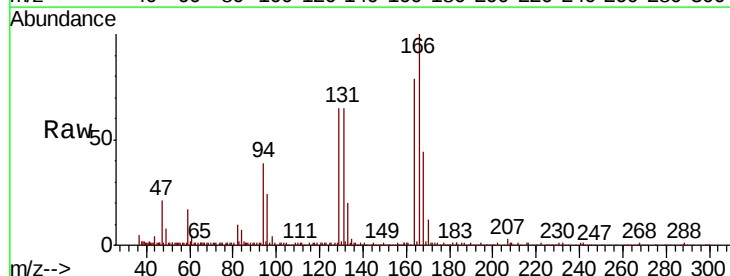
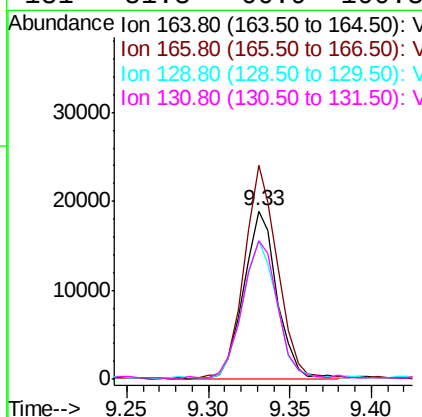
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20191205

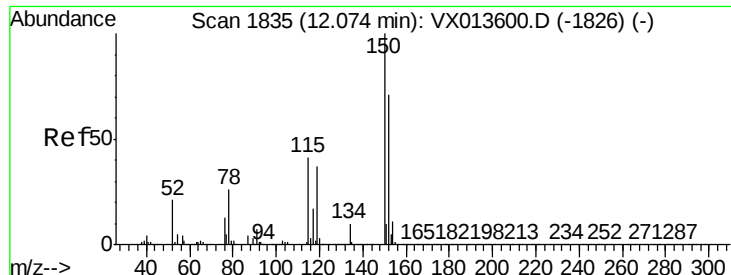
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	31.7	25.8	38.8



#64
Tetrachloroethene
Concen: 4.548 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013904.D
Acq: 10 Dec 2019 17:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	99.7	149.5
129	82.0	70.1	105.1
131	81.3	66.9	100.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013904.D

Acq: 10 Dec 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20191205

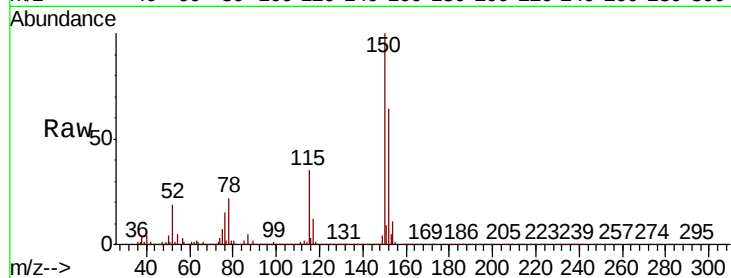
Tot Ion:152 Resp: 338214

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

150 156.9 0.0 346.8



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

