

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121119\
 Data File : VX013945.D
 Acq On : 11 Dec 2019 15:35
 Operator : JC/SP
 Sample : K6237-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-191209

Quant Time: Dec 12 07:21:50 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	572064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	880891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	788071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337833	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	320550	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.48	113	264528	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	1036412	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	339583	44.38	ug/l	0.00
Spiked Amount			Recovery	=	88.76%	

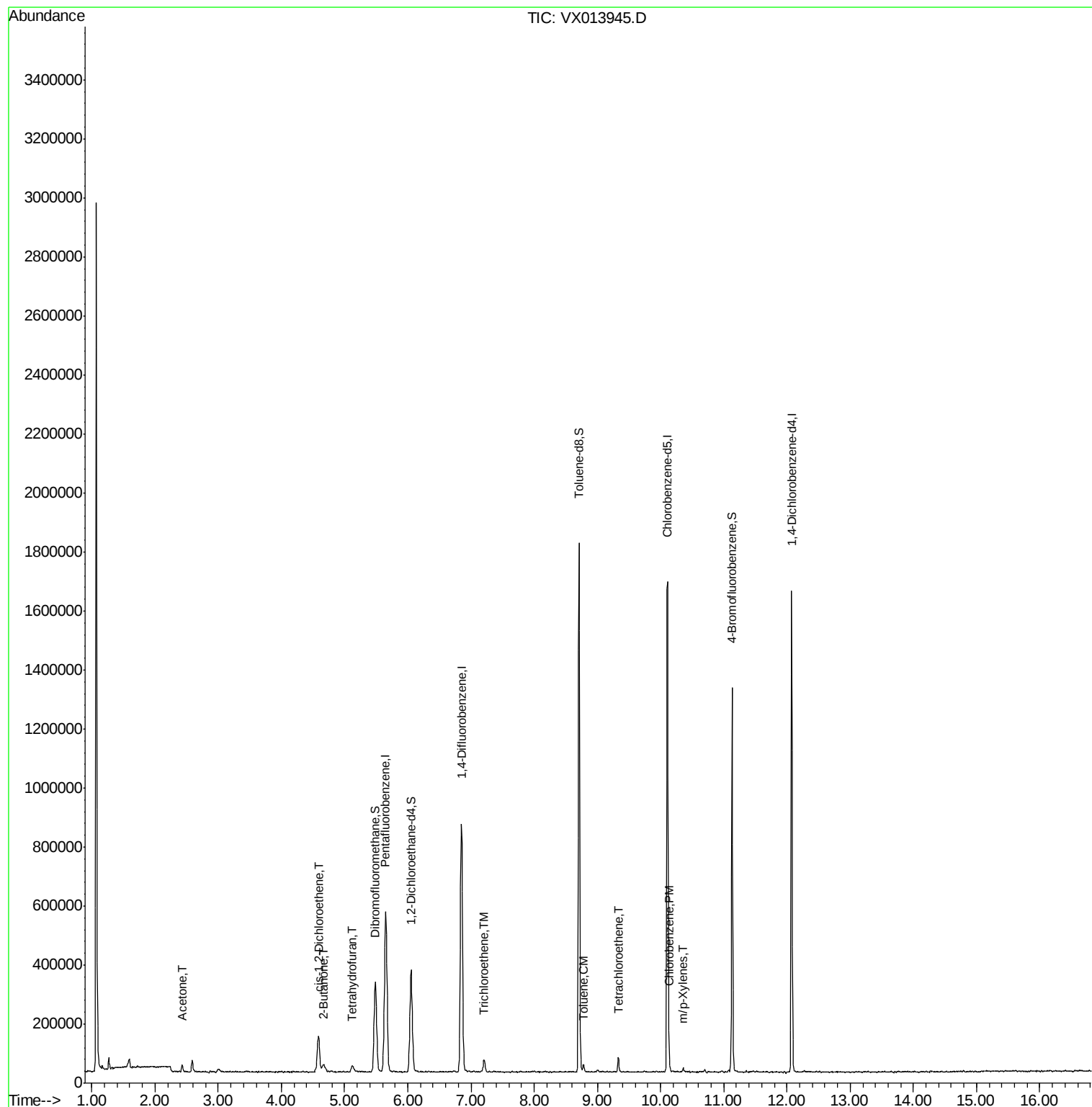
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	25416	7.752	ug/l	95
25) 2-Butanone	4.67	43	23613	4.846	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	79240	11.634	ug/l	89
29) Tetrahydrofuran	5.12	42	20428	6.801	ug/l	99
44) Trichloroethene	7.20	130	18547	2.775	ug/l	97
52) Toluene	8.78	92	10404	0.688	ug/l	96
64) Tetrachloroethene	9.33	164	10116	1.721	ug/l #	83
65) Chlorobenzene	10.14	112	21137	1.292	ug/l	98
68) m/p-Xylenes	10.35	106	4034	0.375	ug/l	93

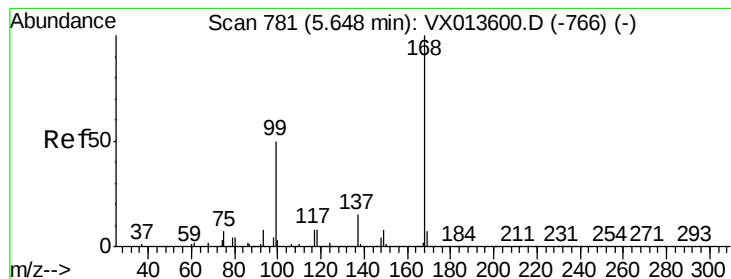
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121119\
Data File : VX013945.D
Acq On : 11 Dec 2019 15:35
Operator : JC/SP
Sample : K6237-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-191209

Quant Time: Dec 12 07:21:50 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: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

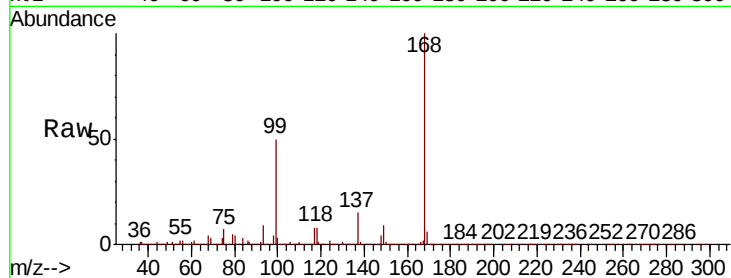
KY038PS027-191209

Tot Ion:168 Resp: 572064

Ion Ratio Lower Upper

168 100

99 49.7 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

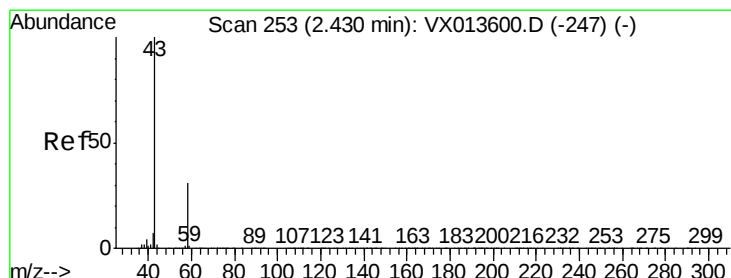
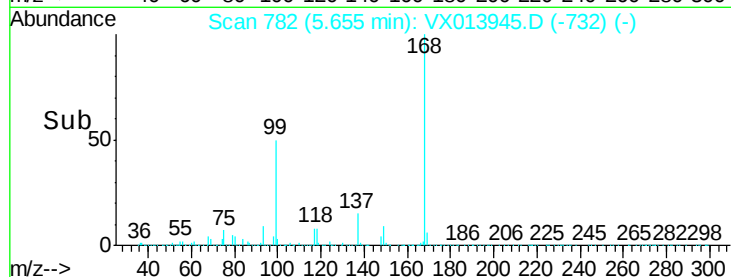
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.752 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013945.D

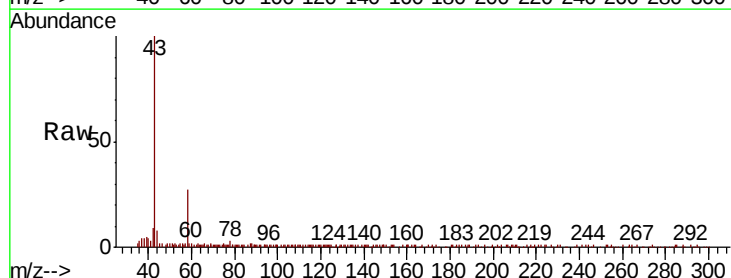
Acq: 11 Dec 2019 15:35

Tgt Ion: 43 Resp: 25416

Ion Ratio Lower Upper

43 100

58 27.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

15000

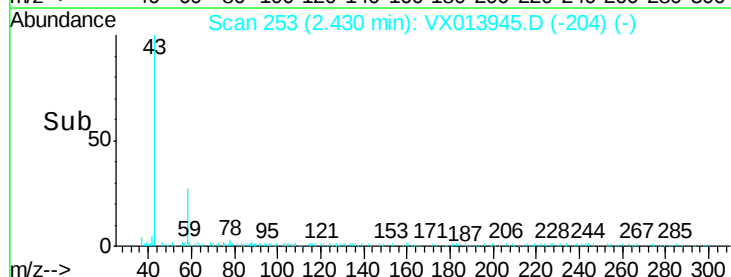
10000

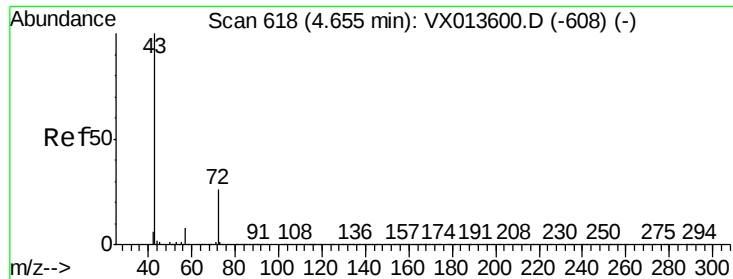
5000

0

Time-->

2.35 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 4.846 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

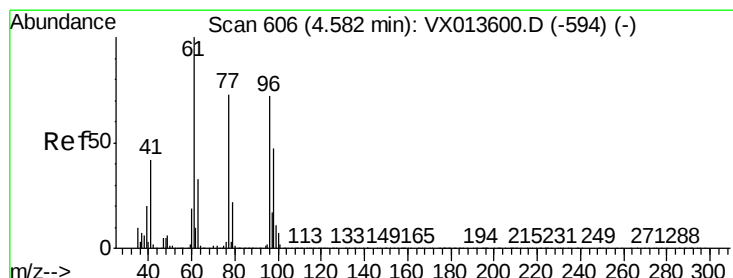
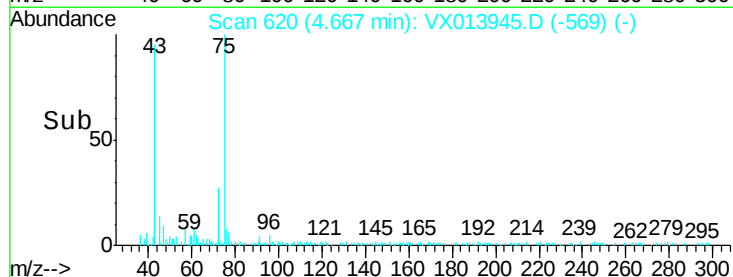
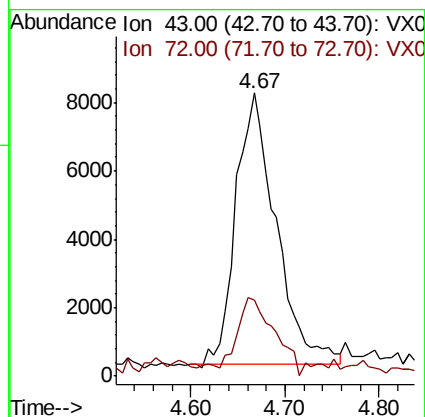
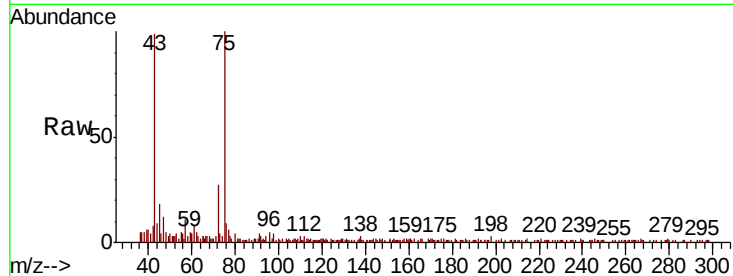
KY038PS027-191209

Tot Ion: 43 Resp: 23613

Ion Ratio Lower Upper

43 100

72 25.4 20.6 31.0



#27

cis-1,2-Dichloroethene

Concen: 11.634 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

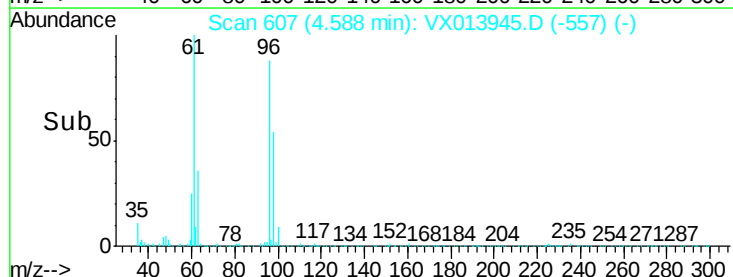
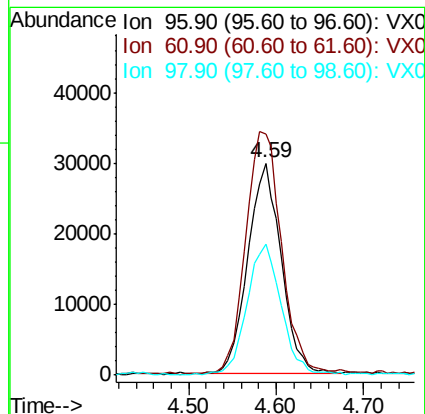
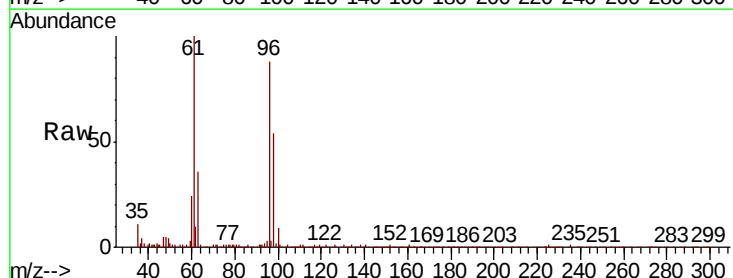
Tgt Ion: 96 Resp: 79240

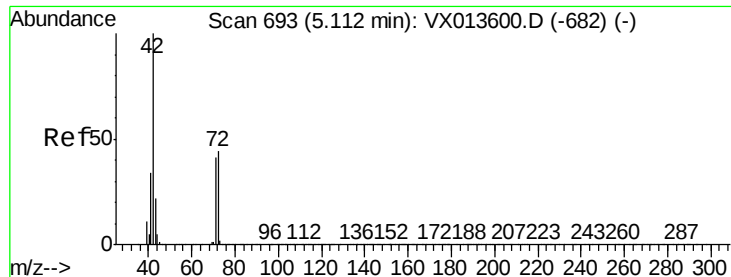
Ion Ratio Lower Upper

96 100

61 123.5 0.0 286.4

98 64.3 0.0 127.4





#29

Tetrahydrofuran

Concen: 6.801 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-191209

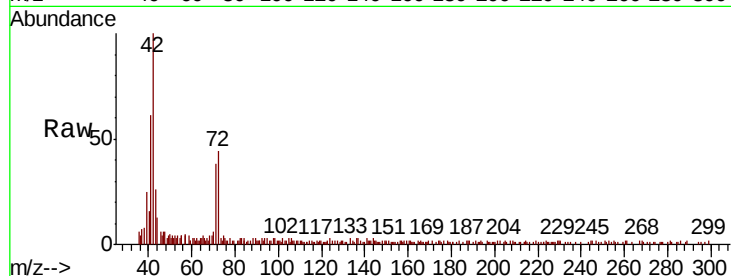
Tot Ion: 42 Resp: 20428

Ion Ratio Lower Upper

42 100

72 46.0 36.3 54.5

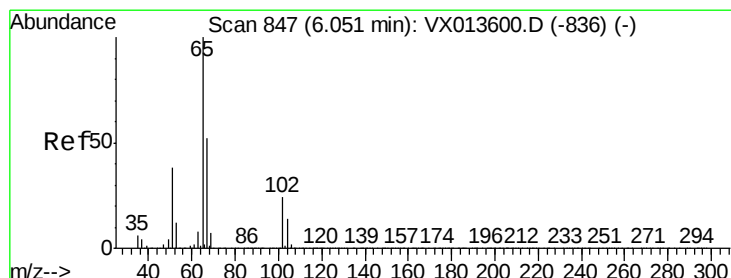
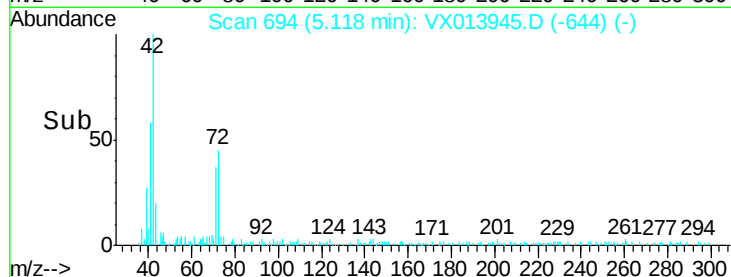
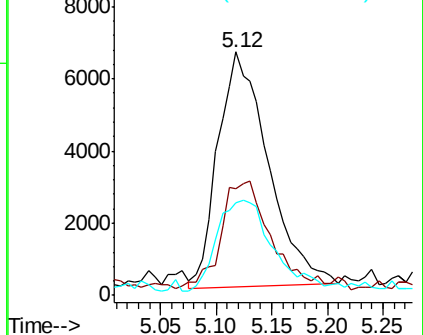
71 42.5 33.2 49.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.273 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013945.D

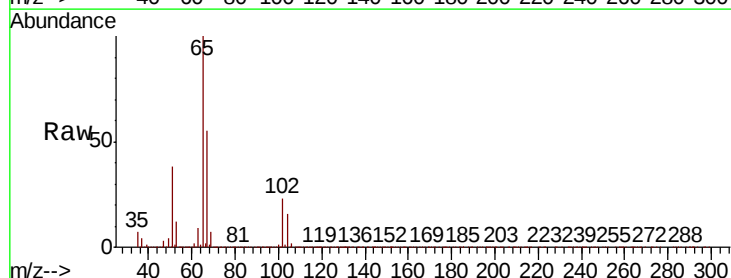
Acq: 11 Dec 2019 15:35

Tgt Ion: 65 Resp: 320550

Ion Ratio Lower Upper

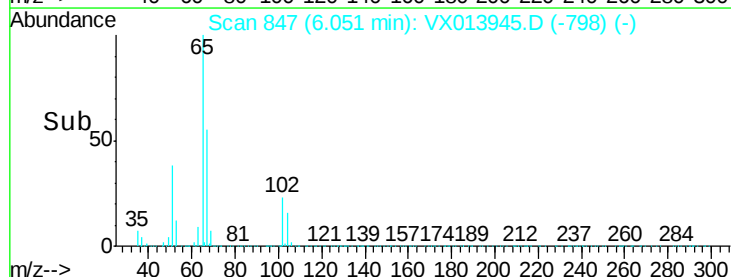
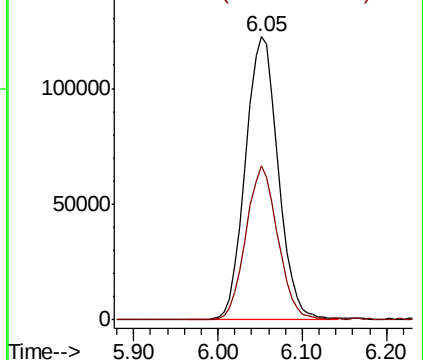
65 100

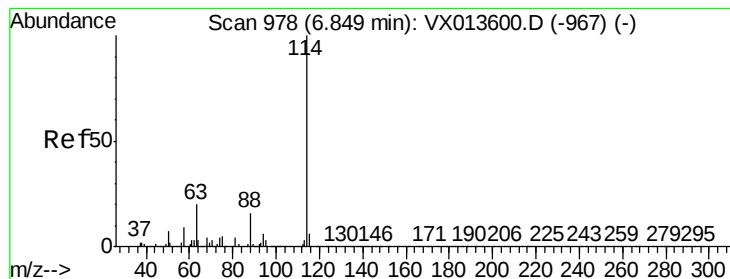
67 52.9 0.0 104.4



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: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-191209

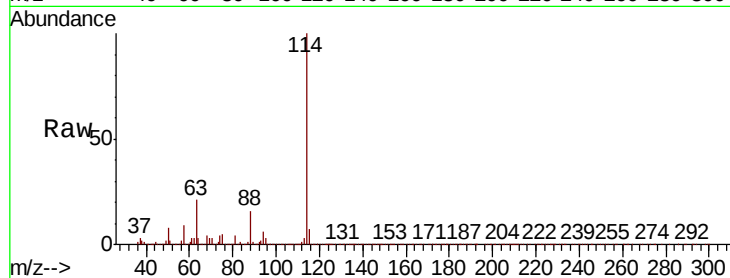
Tot Ion:114 Resp: 880891

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

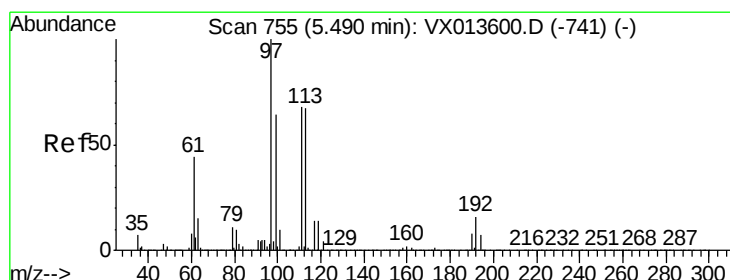
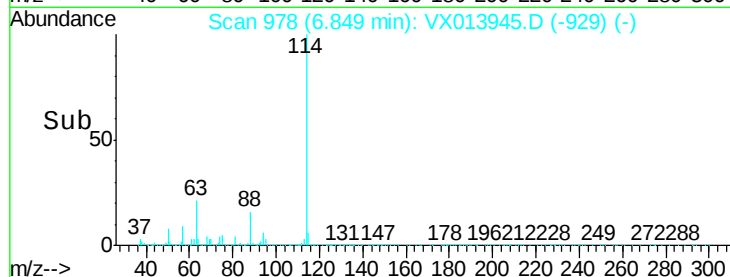
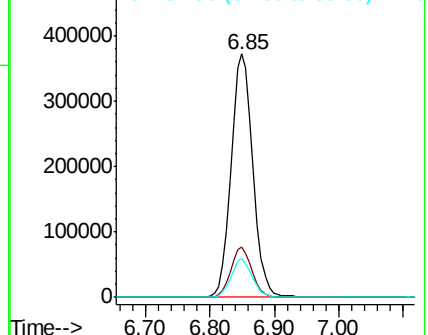
88 15.7 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 48.575 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

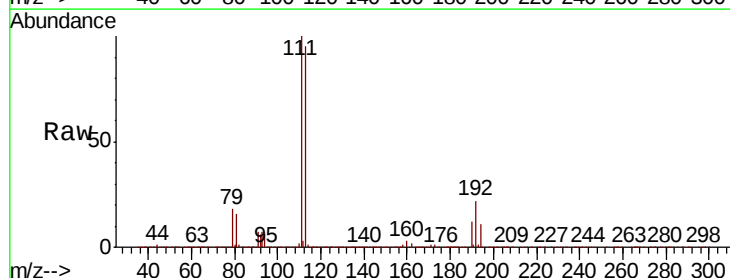
Tgt Ion:113 Resp: 264528

Ion Ratio Lower Upper

113 100

111 102.9 83.6 125.4

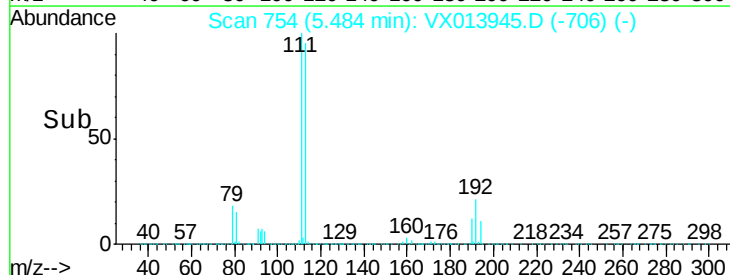
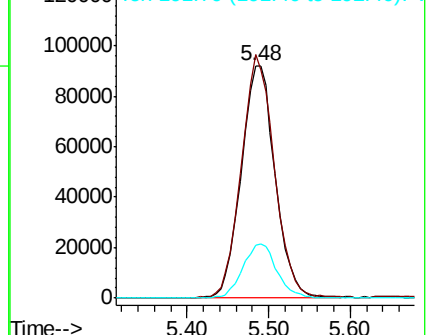
192 23.6 19.2 28.8

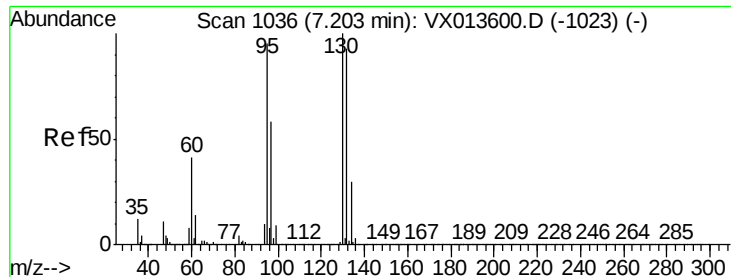


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 2.775 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

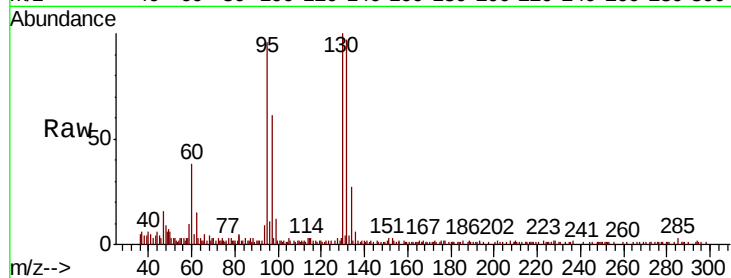
KY038PS027-191209

Tot Ion:130 Resp: 18547

Ion Ratio Lower Upper

130 100

95 92.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

8000

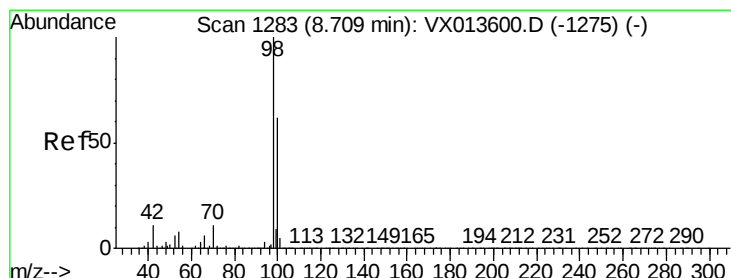
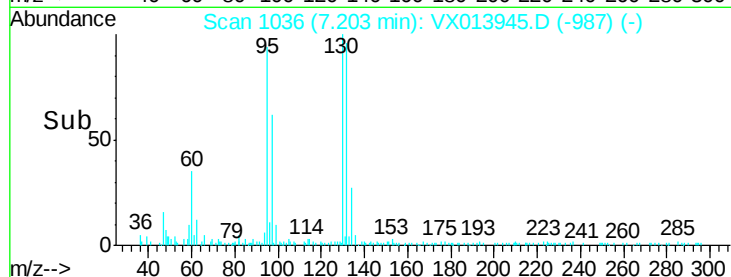
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 48.847 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013945.D

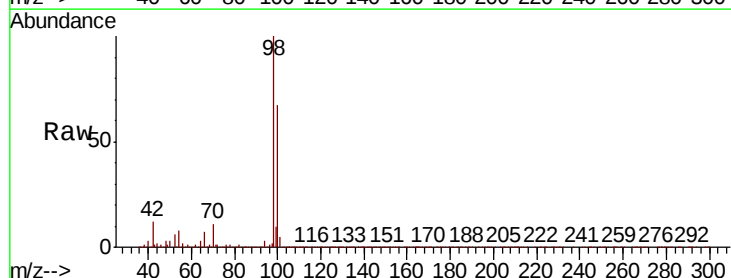
Acq: 11 Dec 2019 15:35

Tgt Ion: 98 Resp: 1036412

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

800000

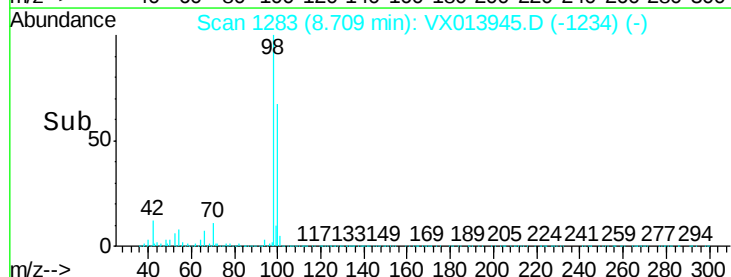
600000

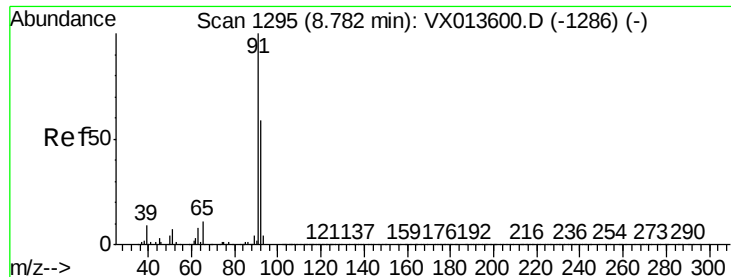
400000

200000

0

Time--> 8.60 8.70 8.80 8.90





#52

Toluene

Concen: 0.688 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

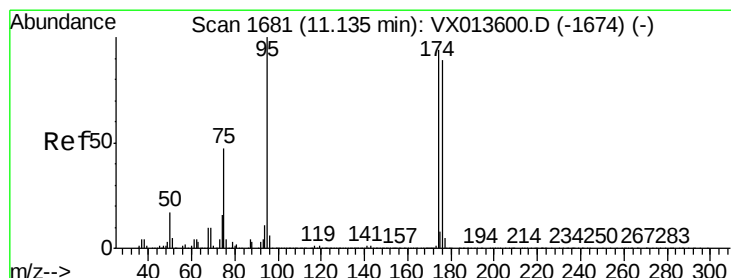
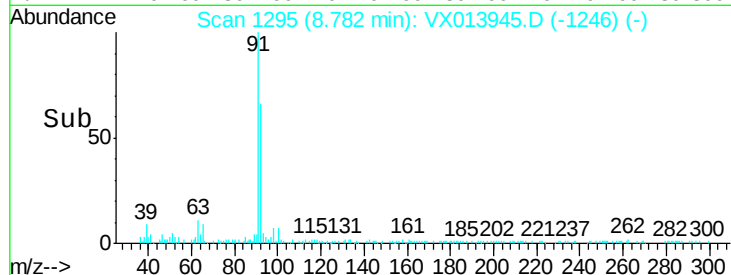
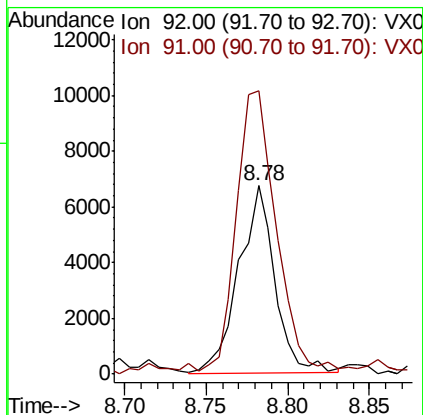
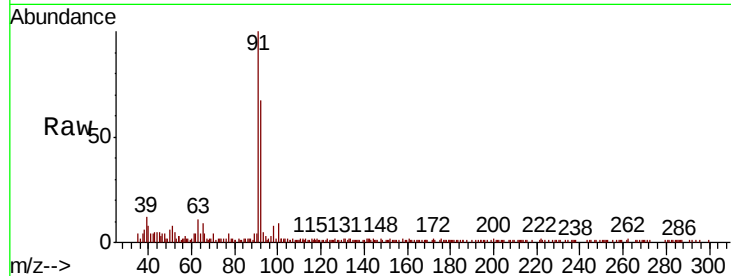
KY038PS027-191209

Tot Ion: 92 Resp: 10404

Ion Ratio Lower Upper

92 100

91 164.5 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 44.384 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

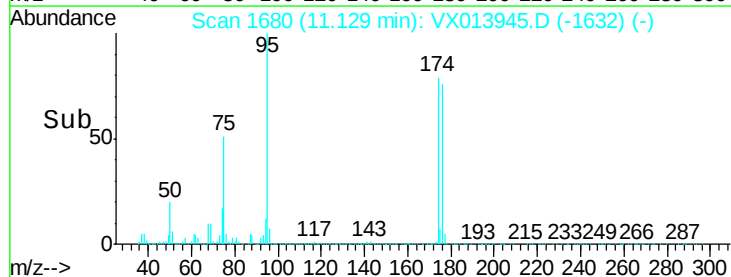
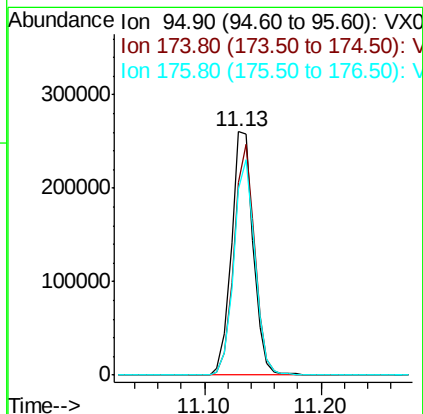
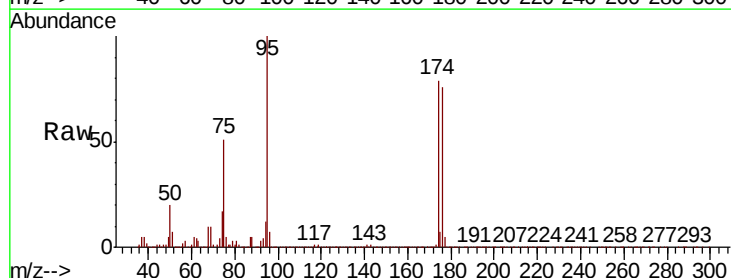
Tgt Ion: 95 Resp: 339583

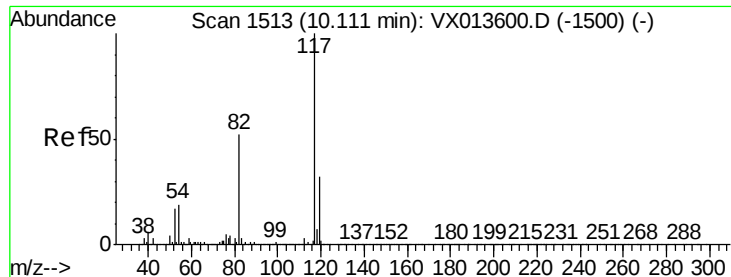
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

176 86.1 0.0 173.6

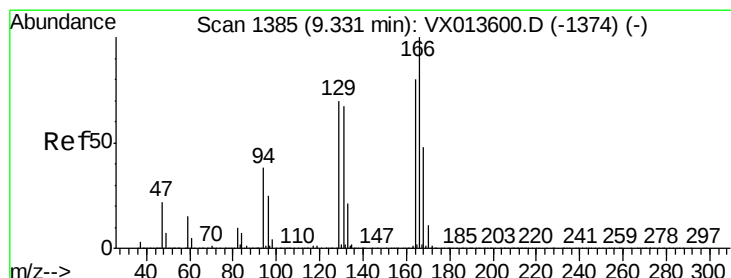
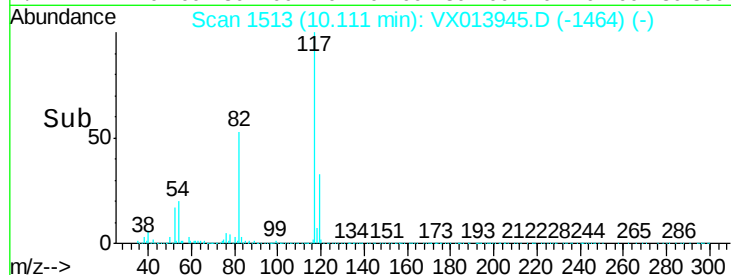
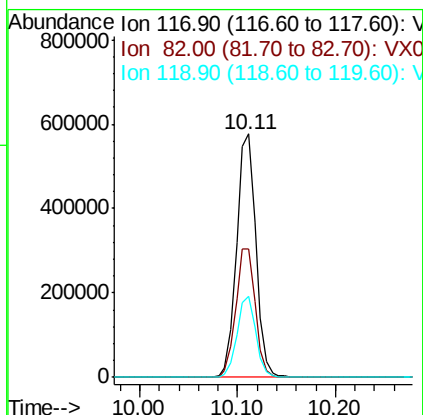
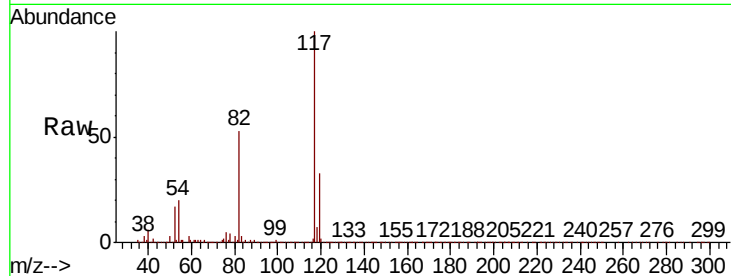




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013945.D
Acq: 11 Dec 2019 15:35

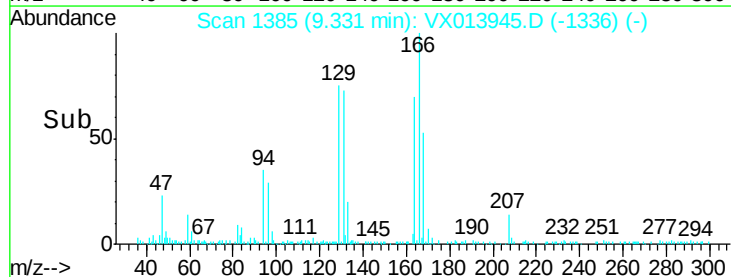
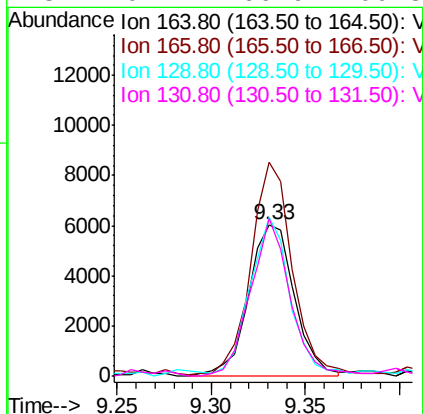
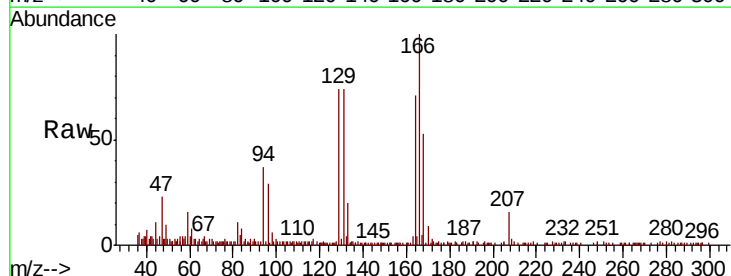
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-191209

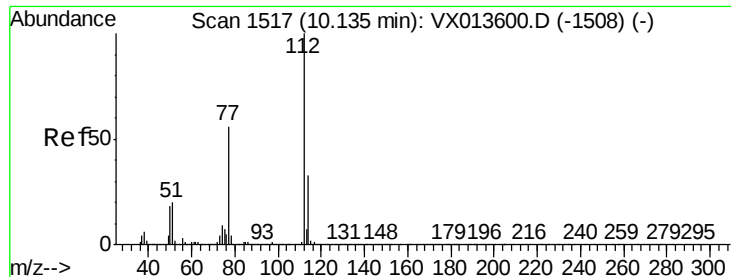
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	41.8	62.8
119	33.2	25.8	38.8



#64
Tetrachloroethene
Concen: 1.721 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013945.D
Acq: 11 Dec 2019 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.2	99.7	149.5
129	101.4	70.1	105.1
131	104.2	66.9	100.3#

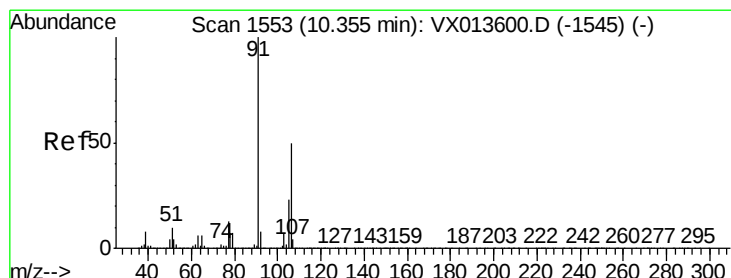
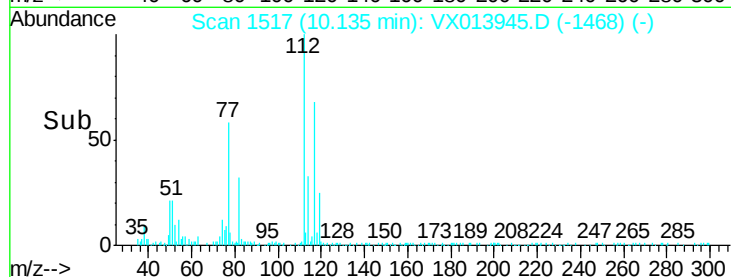
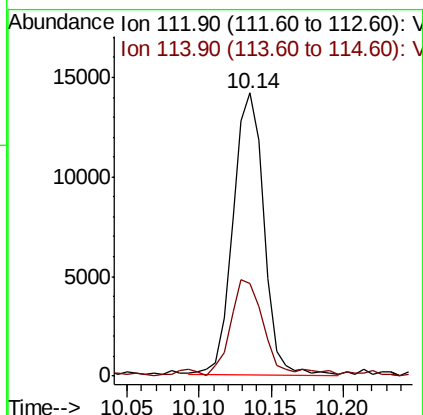
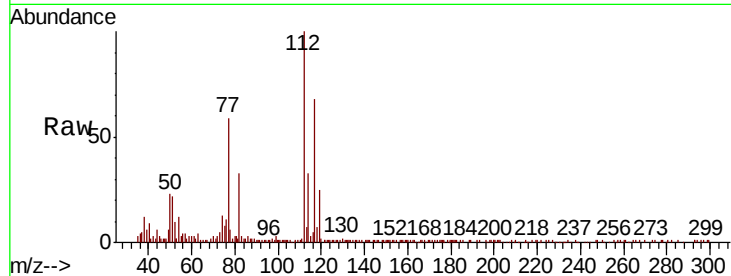




#65
Chlorobenzene
Concen: 1.292 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013945.D
Acq: 11 Dec 2019 15:35

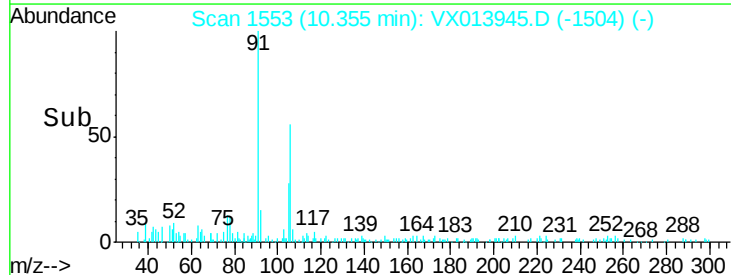
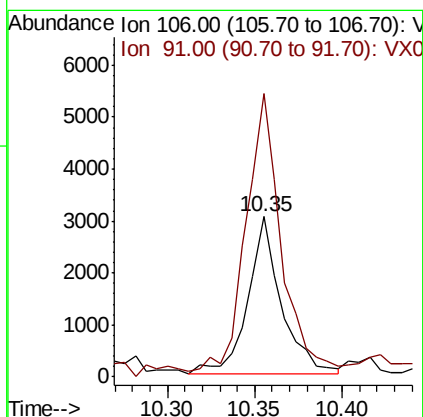
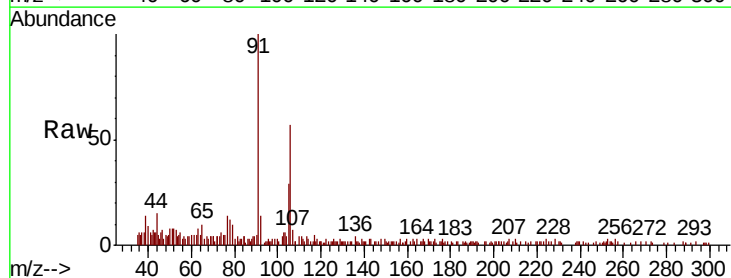
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-191209

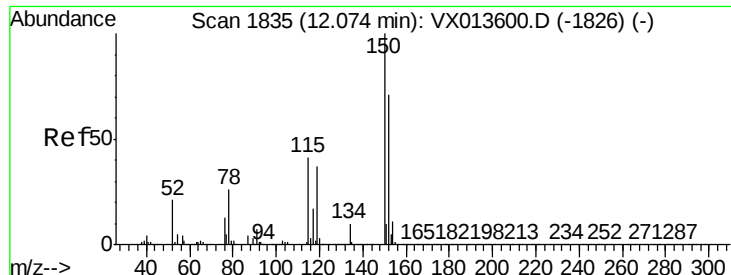
Tot Ion:112 Resp: 21137
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 0.375 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013945.D
Acq: 11 Dec 2019 15:35

Tgt Ion:106 Resp: 4034
Ion Ratio Lower Upper
106 100
91 187.7 159.0 238.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013945.D

Acq: 11 Dec 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-191209

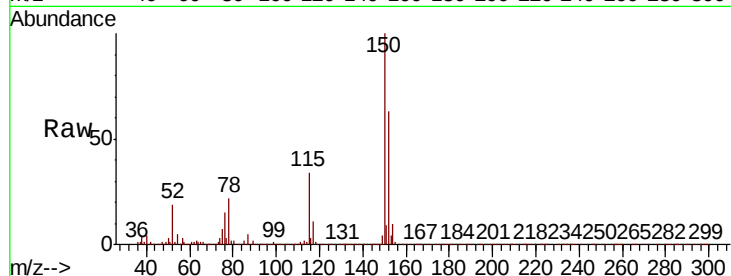
Tot Ion:152 Resp: 337833

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

150 157.5 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

600000

500000

400000

300000

200000

100000

0

12.07

12.00

12.10

Time-->

