

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013021.D
 Acq On : 15 Sep 2019 04:52
 Operator : SY/VA
 Sample : K4787-11
 Misc : 6.37G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)

Quant Time: Sep 16 09:34:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	307364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59603	50.00	ug/l	0.00

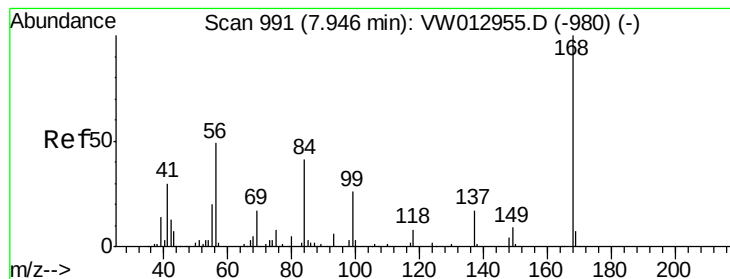
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	162119	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.88	113	132164	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.32	98	525275	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.62	95	118294	33.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.56%	

Target Compounds

						Qvalue
16) Acetone	4.13	43	42626	53.865	ug/l	93
17) Carbon Disulfide	4.37	76	10253	2.425	ug/l	98
25) 2-Butanone	7.18	43	16633	18.427	ug/l	93
27) cis-1,2-Dichloroethene	7.16	96	5305	1.950	ug/l	91
40) Benzene	8.32	78	39522	3.863	ug/l	96
52) Toluene	10.38	92	8901	1.369	ug/l	98
64) Tetrachloroethene	10.86	164	9034	4.662	ug/l	97
68) m/p-Xylenes	11.83	106	7005	1.790	ug/l	93
69) o-Xylene	12.16	106	4390	1.196	ug/l	96
78) n-propylbenzene	12.80	91	5029	1.082	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	4135	1.237	ug/l	88
83) tert-Butylbenzene	13.21	119	3541	1.184	ug/l	88
84) 1,2,4-Trimethylbenzene	13.25	105	12642	3.828	ug/l	99
85) sec-Butylbenzene	13.38	105	10648	2.614	ug/l #	75
88) 1,4-Dichlorobenzene	13.58	146	23861	13.477	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

Instrument :

MSVOA_W

ClientSampleId :

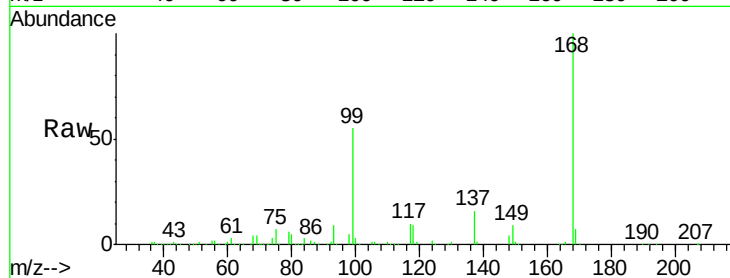
TP-5-D2(9.5-10)

Tot Ion:168 Resp: 307364

Ion Ratio Lower Upper

168 100

99 55.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

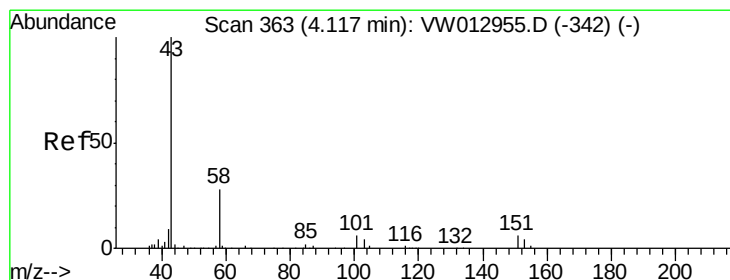
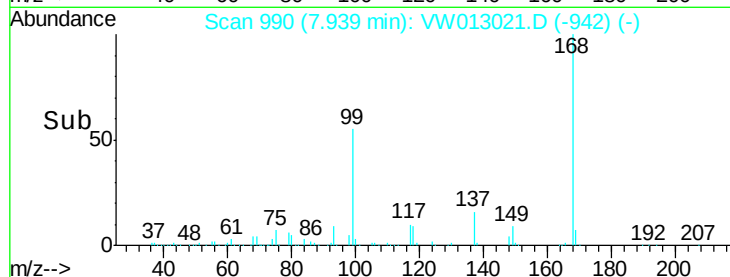
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 53.865 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013021.D

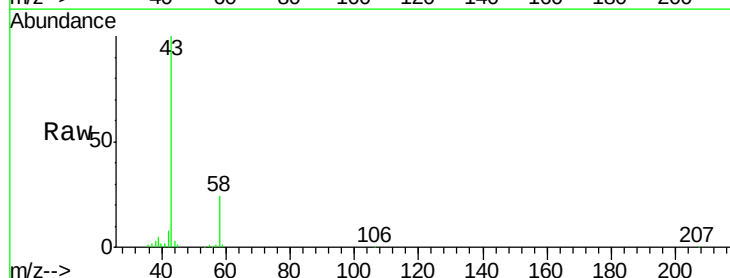
Acq: 15 Sep 2019 04:52

Tgt Ion: 43 Resp: 42626

Ion Ratio Lower Upper

43 100

58 24.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

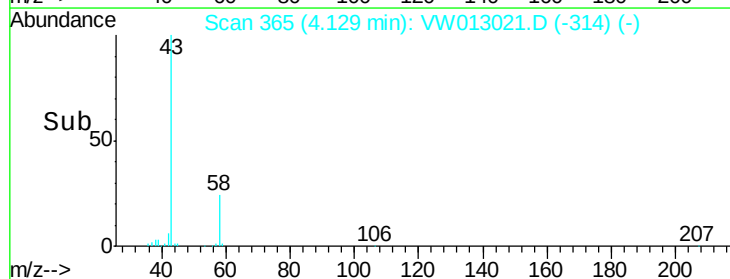
15000

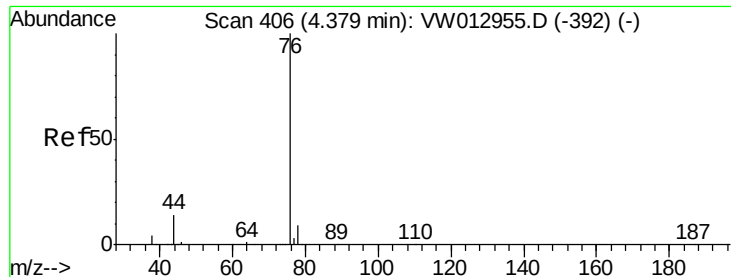
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





#17

Carbon Disulfide

Concen: 2.425 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

Instrument :

MSVOA_W

ClientSampleId :

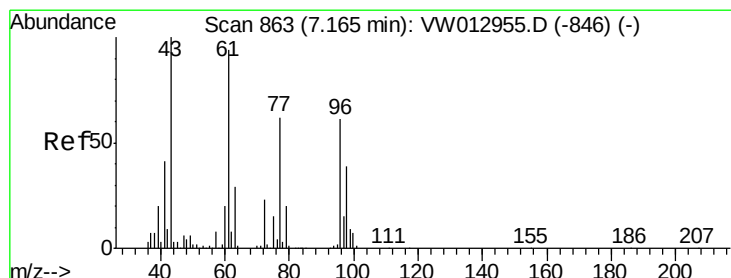
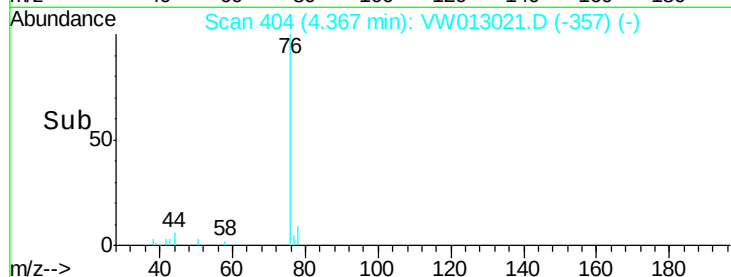
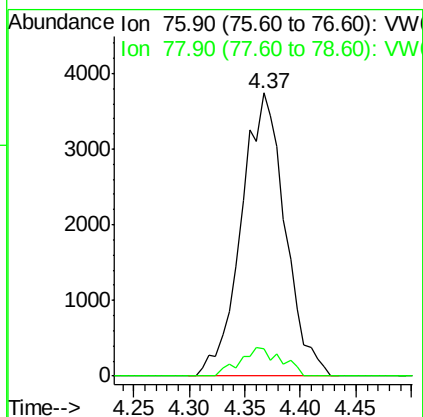
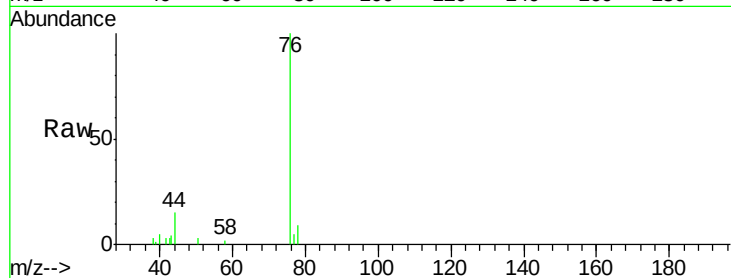
TP-5-D2(9.5-10)

Tot Ion: 76 Resp: 10253

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



#25

2-Butanone

Concen: 18.427 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013021.D

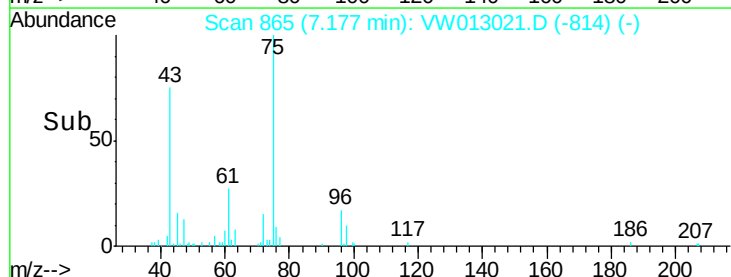
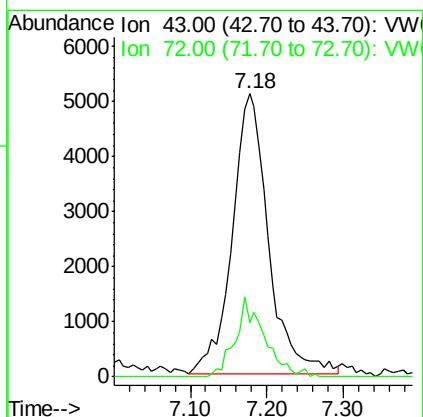
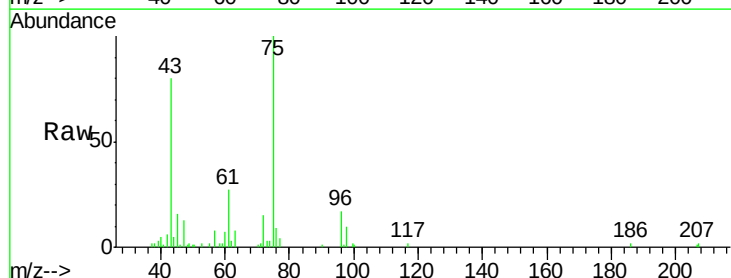
Acq: 15 Sep 2019 04:52

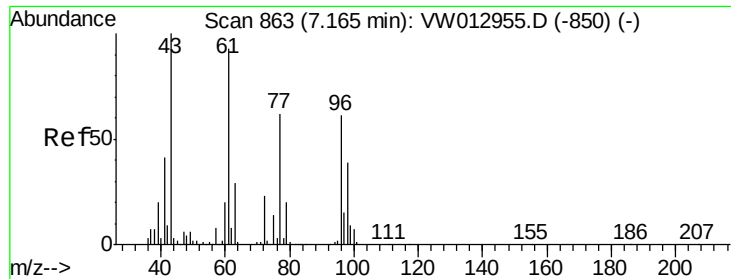
Tgt Ion: 43 Resp: 16633

Ion Ratio Lower Upper

43 100

72 19.6 18.2 27.4



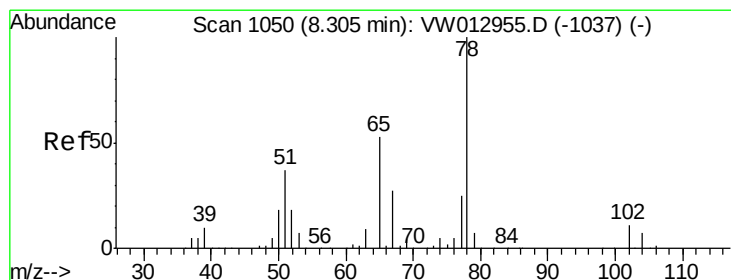
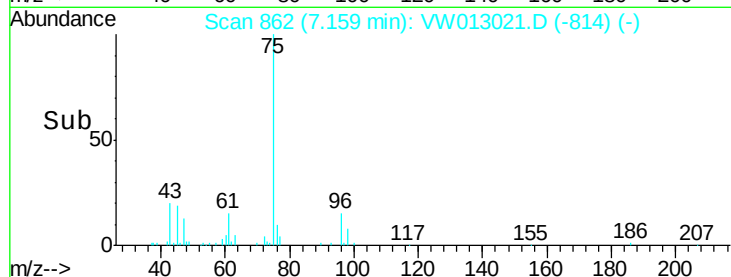
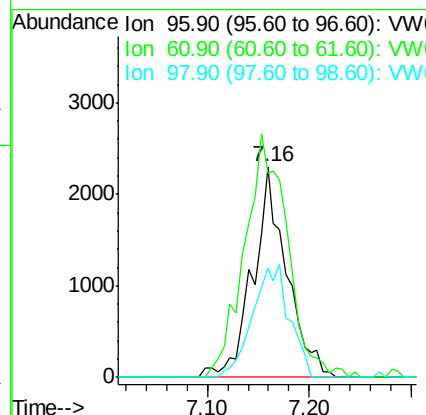
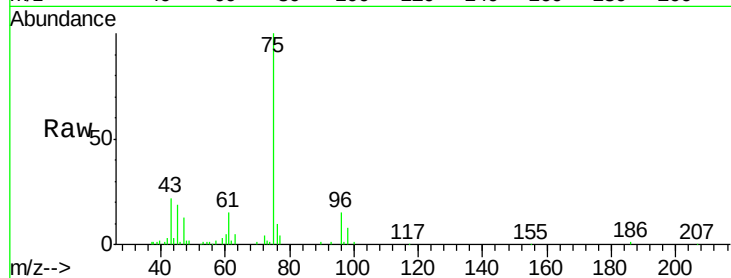


#27

cis-1,2-Dichloroethene
 Concen: 1.950 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)

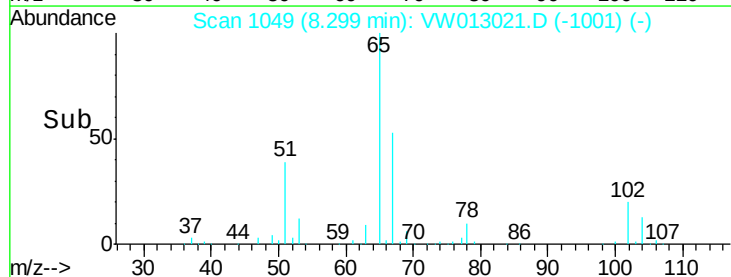
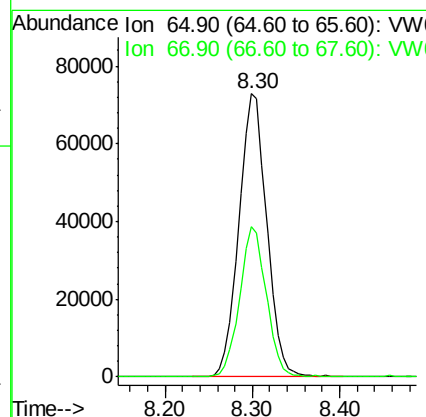
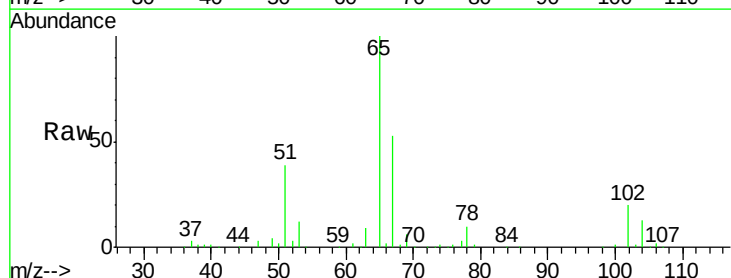
Tot Ion	96	Resp	5305
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	315.4
98	58.0	0.0	131.0

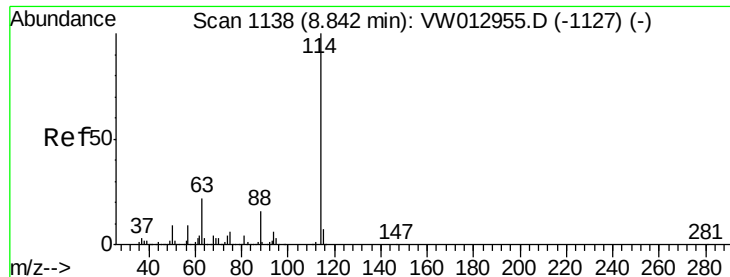


#33

1,2-Dichloroethane-d4
 Concen: 57.110 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

Tgt Ion	65	Resp	162119
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

Instrument :

MSVOA_W

ClientSampleId :

TP-5-D2(9.5-10)

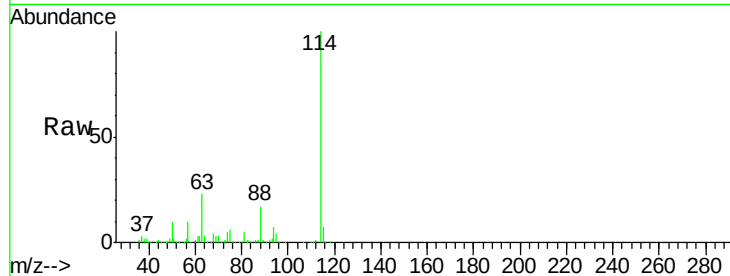
Tot Ion:114 Resp: 458666

Ion Ratio Lower Upper

114 100

63 23.5 0.0 43.4

88 16.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

250000

200000

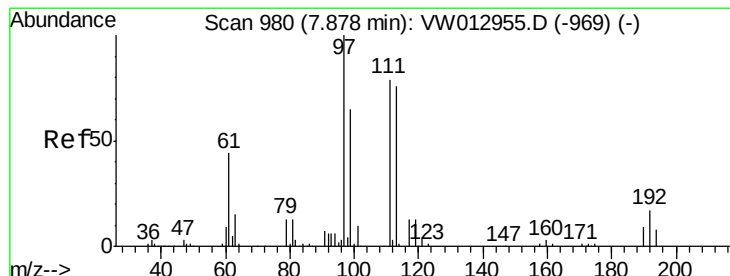
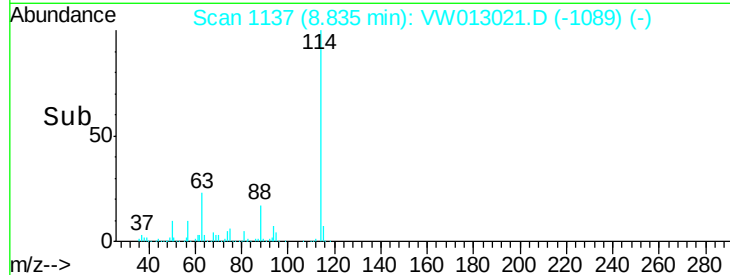
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 53.104 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

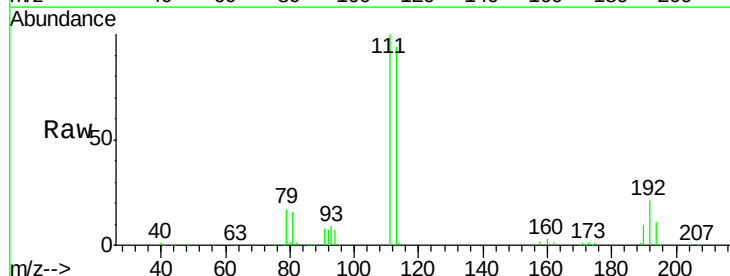
Tgt Ion:113 Resp: 132164

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 22.4 17.8 26.8



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

7.88

80000

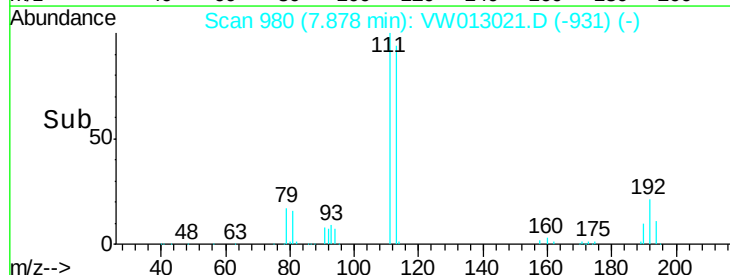
60000

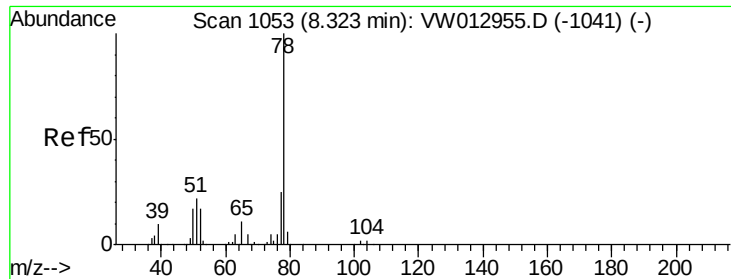
40000

20000

0

Time-->

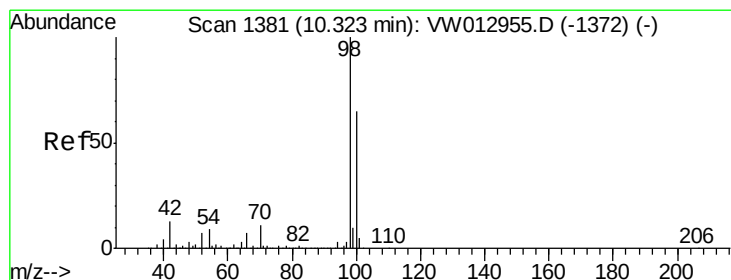
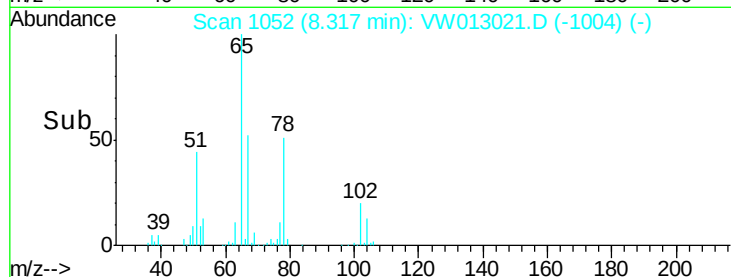
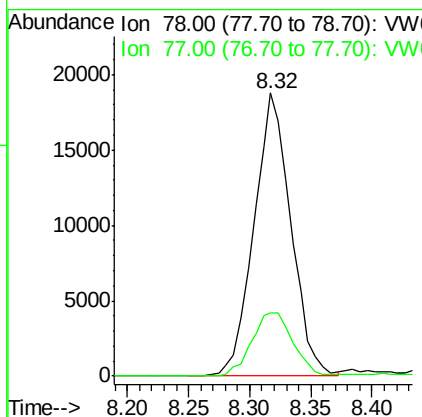
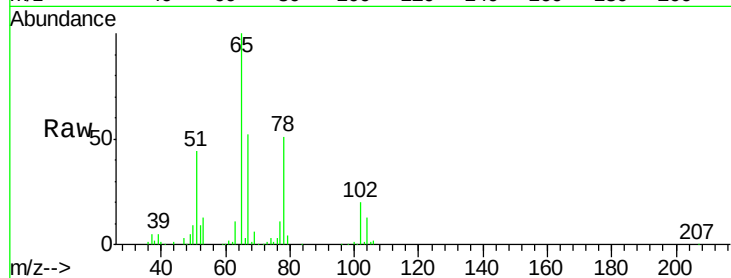




#40
Benzene
Concen: 3.863 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

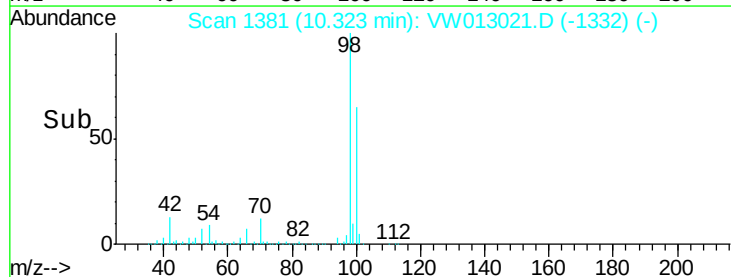
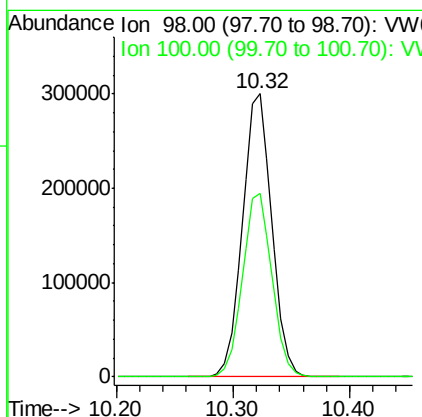
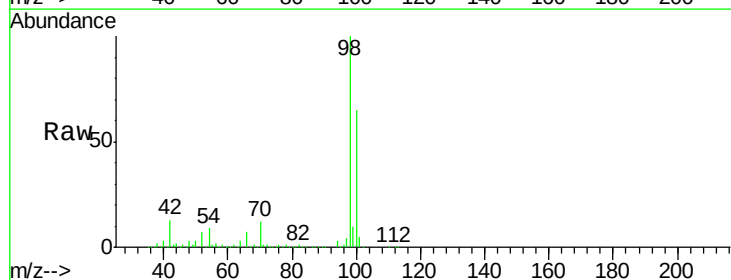
Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2(9.5-10)

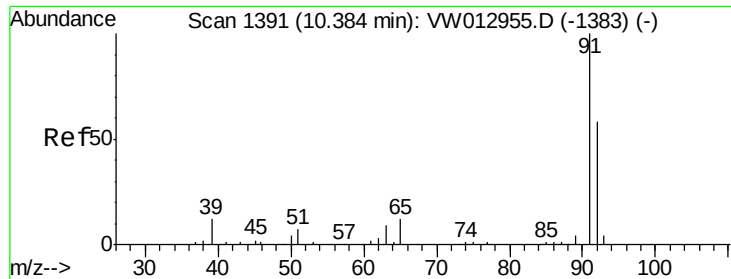
Tot Ion: 78 Resp: 39522
Ion Ratio Lower Upper
78 100
77 22.4 19.6 29.4



#50
Toluene-d8
Concen: 53.936 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

Tgt Ion: 98 Resp: 525275
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#52

Toluene

Concen: 1.369 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

Instrument :

MSVOA_W

ClientSampleId :

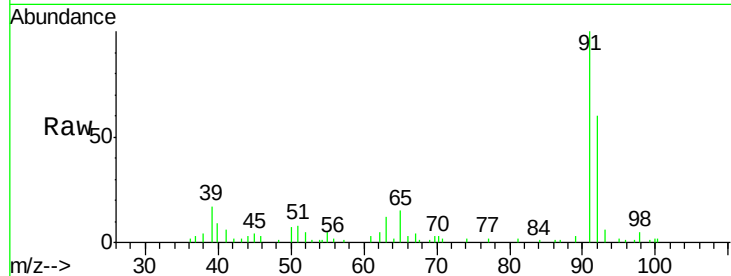
TP-5-D2(9.5-10)

Tot Ion: 92 Resp: 8901

Ion Ratio Lower Upper

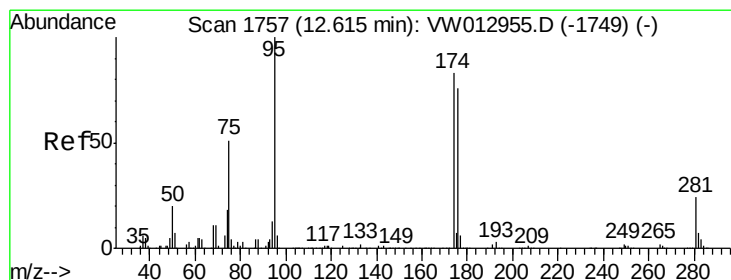
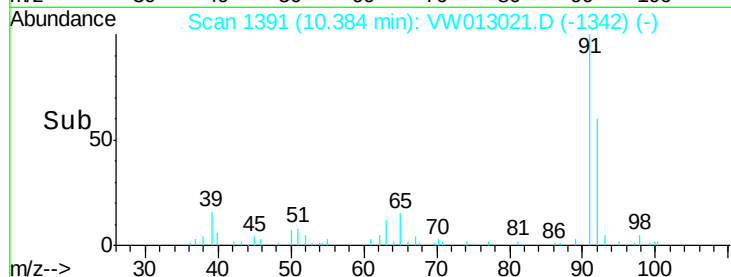
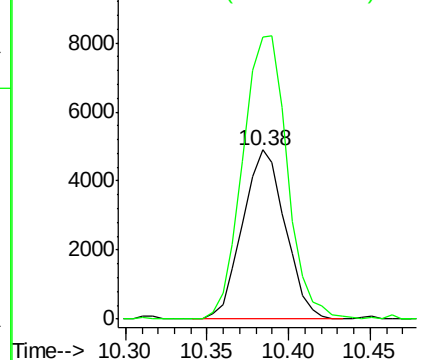
92 100

91 175.2 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 33.780 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

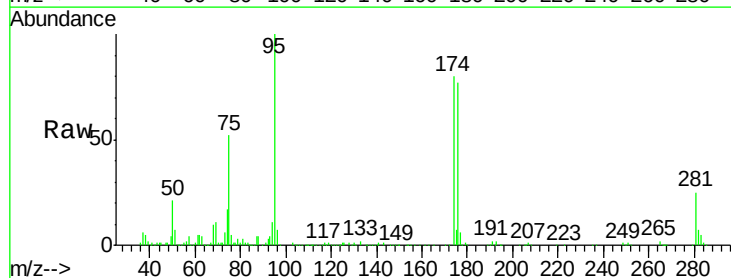
Tgt Ion: 95 Resp: 118294

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.4

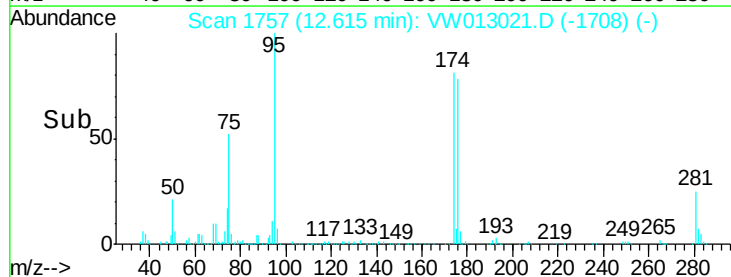
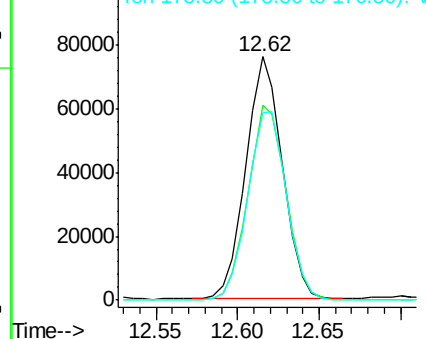
176 83.0 0.0 164.6

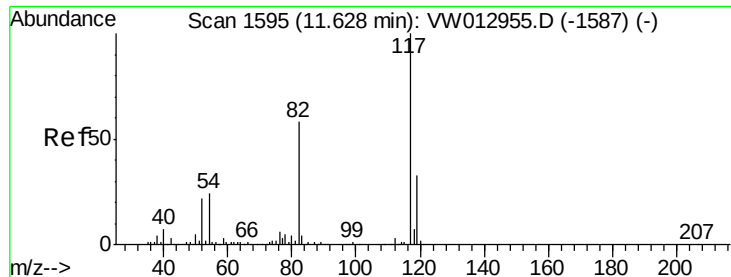


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

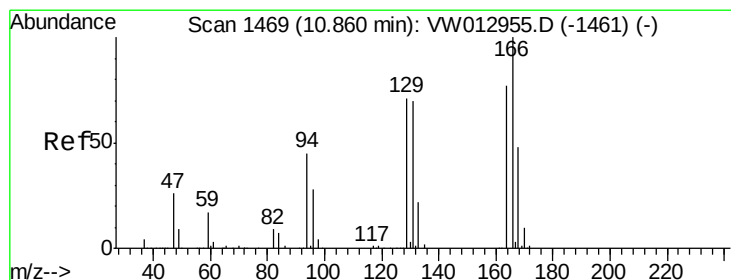
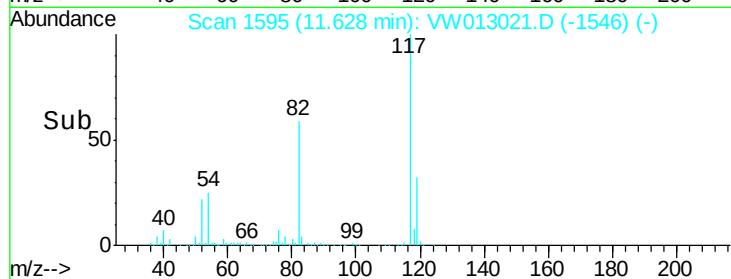
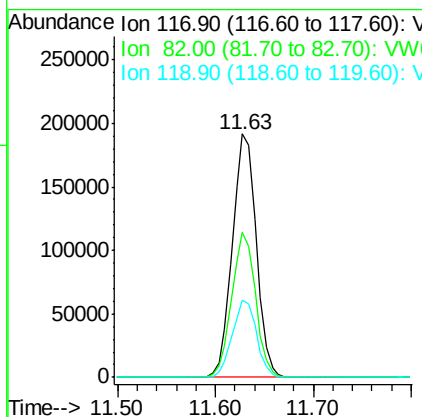
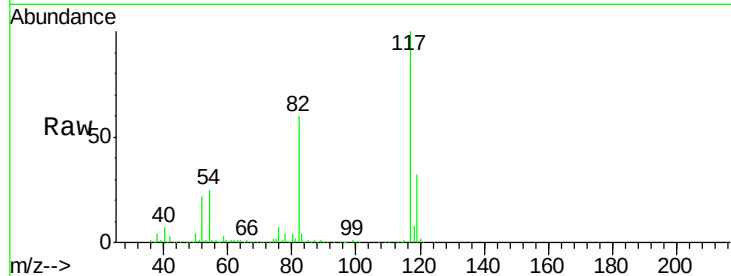




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

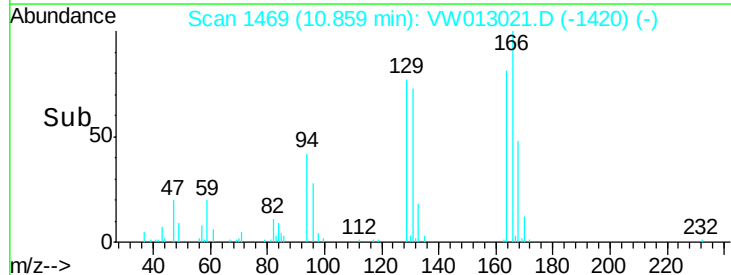
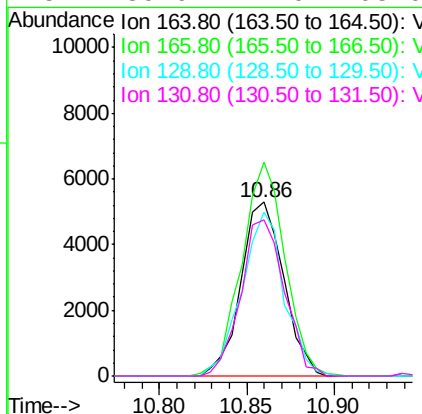
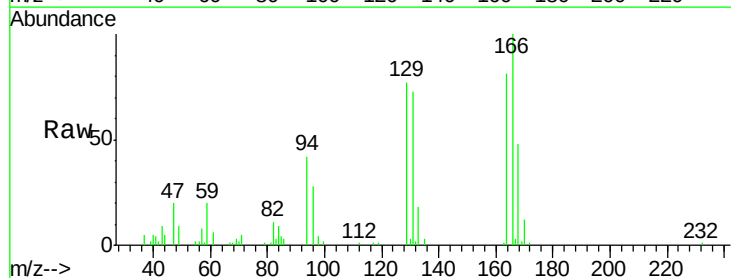
Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2(9.5-10)

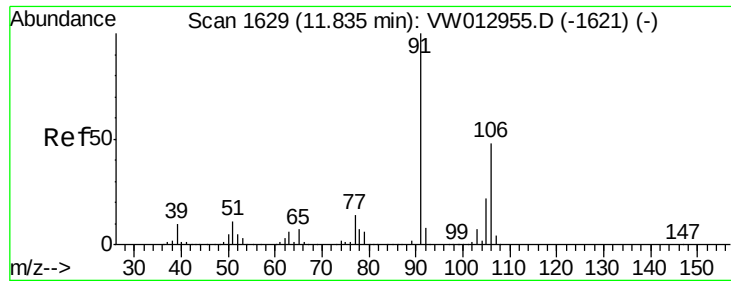
Tot Ion:117 Resp: 325726
Ion Ratio Lower Upper
117 100
82 59.5 46.3 69.5
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 4.662 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

Tgt Ion:164 Resp: 9034
Ion Ratio Lower Upper
164 100
166 122.9 103.3 154.9
129 94.6 73.8 110.8
131 89.9 72.0 108.0

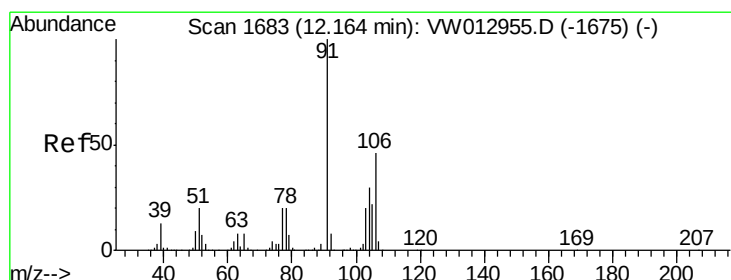
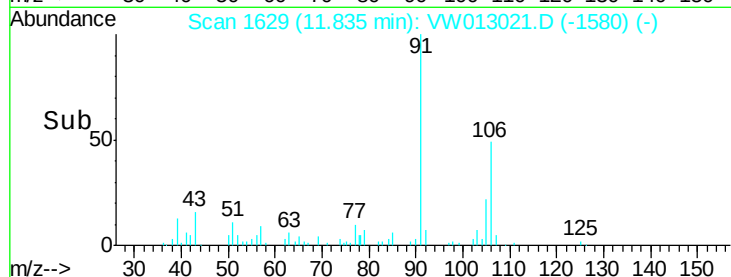
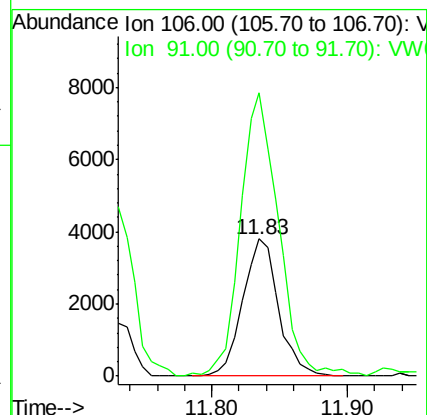
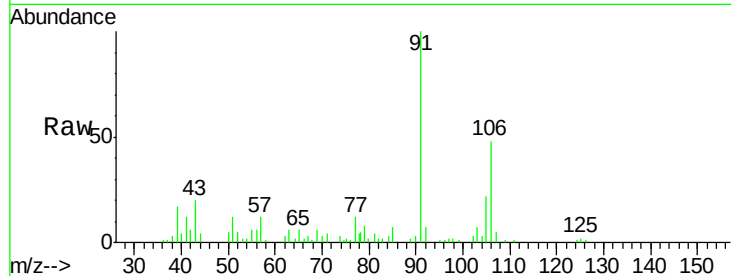




#68
m/p-Xylenes
Concen: 1.790 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

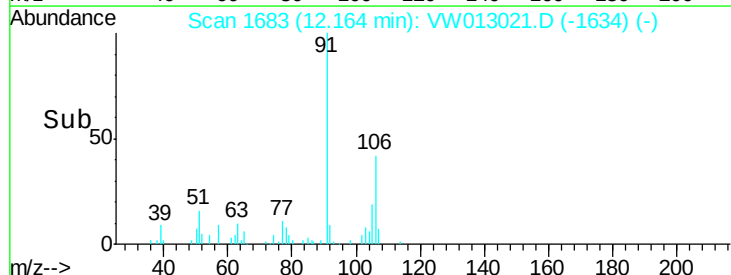
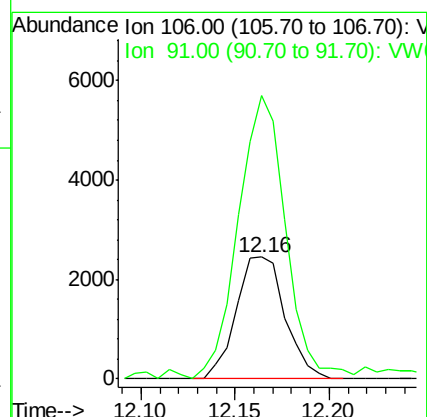
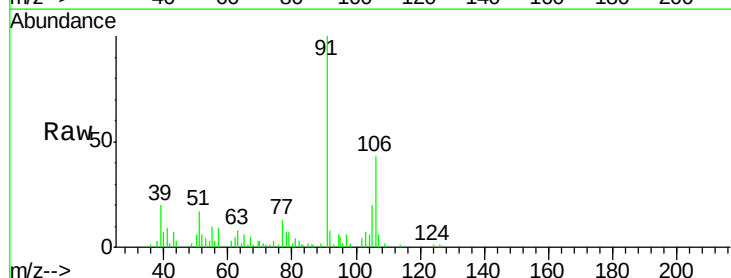
Instrument :
MSVOA_W
ClientSampled :
TP-5-D2(9.5-10)

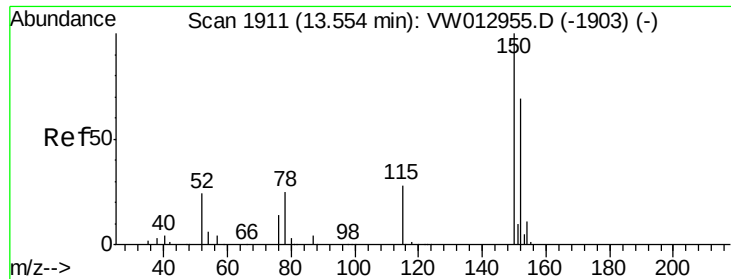
Tot Ion:106 Resp: 7005
Ion Ratio Lower Upper
106 100
91 218.9 165.8 248.8



#69
o-Xylene
Concen: 1.196 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

Tgt Ion:106 Resp: 4390
Ion Ratio Lower Upper
106 100
91 226.2 109.7 329.0



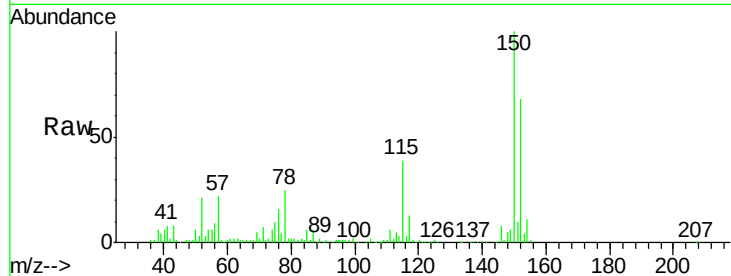


#72

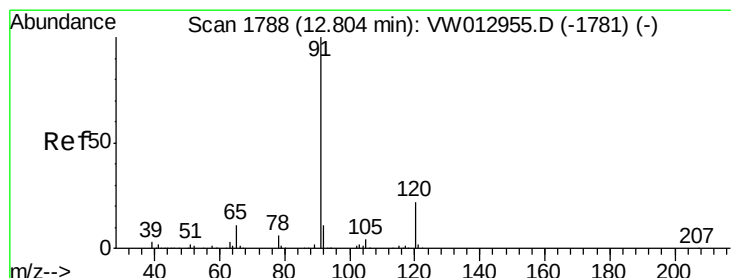
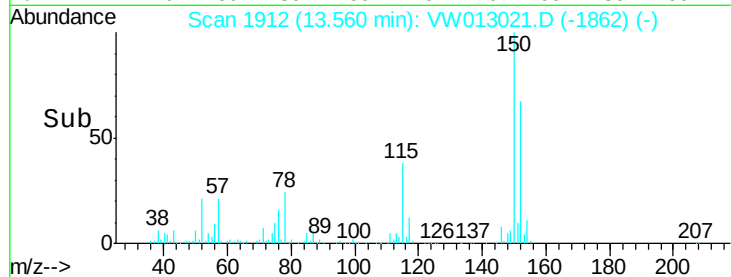
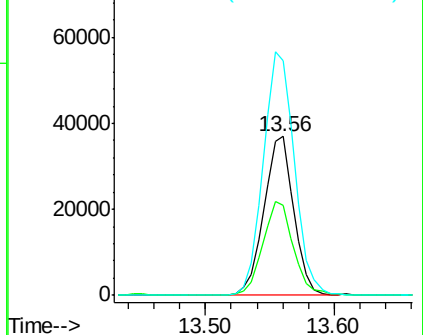
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2(9.5-10)

Tot Ion:152 Resp: 59603
Ion Ratio Lower Upper
152 100
115 59.8 28.8 86.4
150 159.2 0.0 340.2



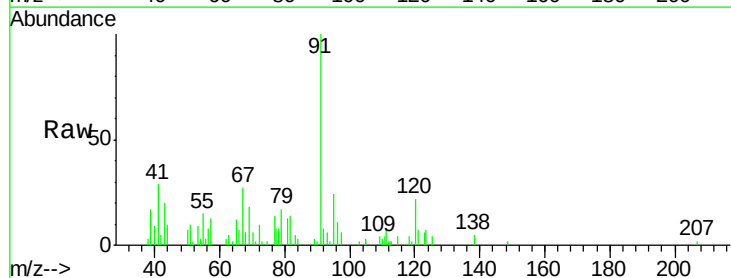
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



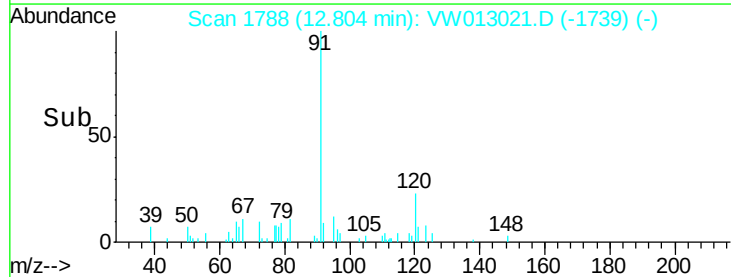
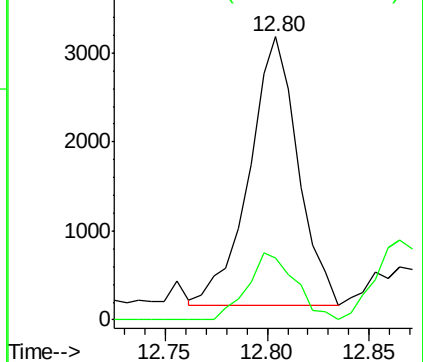
#78

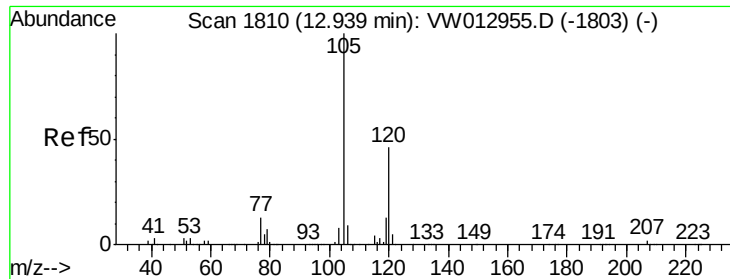
n-propylbenzene
Concen: 1.082 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013021.D
Acq: 15 Sep 2019 04:52

Tgt Ion: 91 Resp: 5029
Ion Ratio Lower Upper
91 100
120 24.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

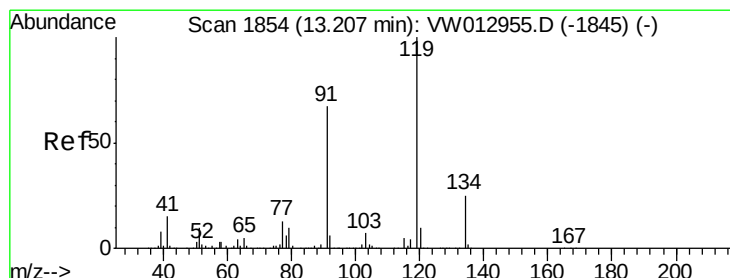
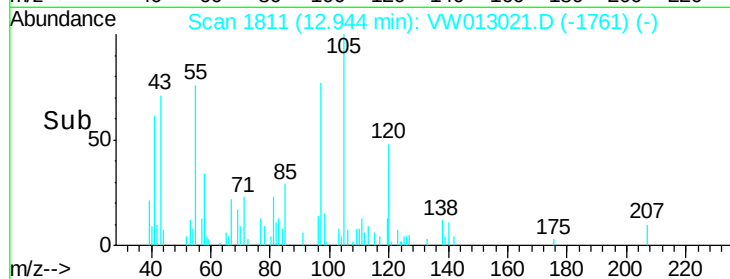
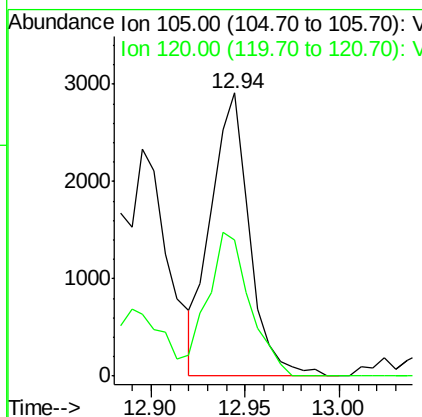
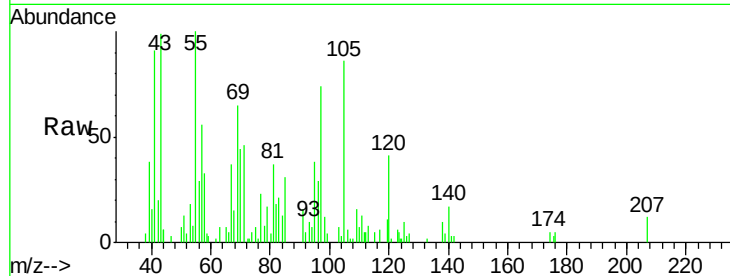




#80
 1,3,5-Trimethylbenzene
 Concen: 1.237 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

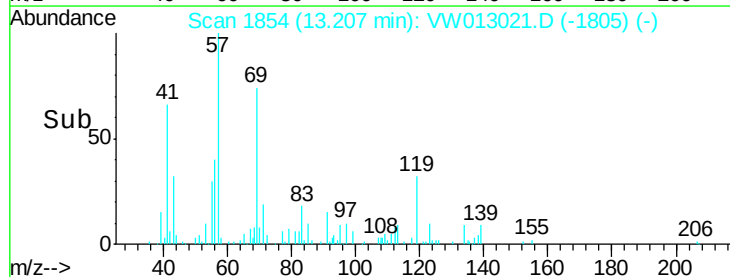
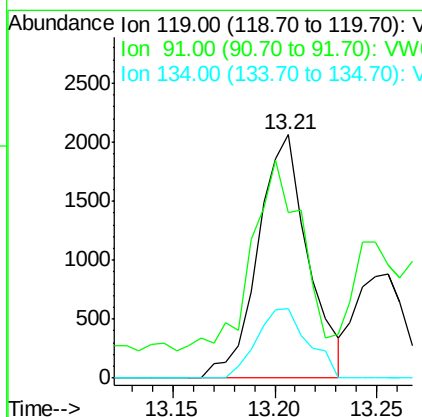
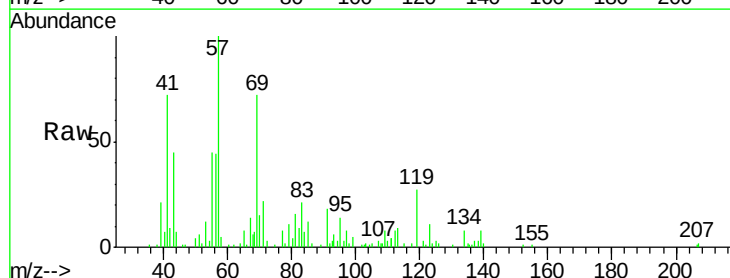
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)

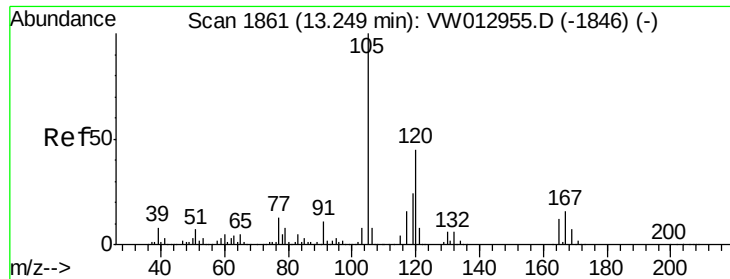
Tot Ion:105 Resp: 4135
 Ion Ratio Lower Upper
 105 100
 120 56.6 24.2 72.6



#83
 tert-Butylbenzene
 Concen: 1.184 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

Tgt Ion:119 Resp: 3541
 Ion Ratio Lower Upper
 119 100
 91 76.4 32.6 98.0
 134 28.9 12.4 37.4

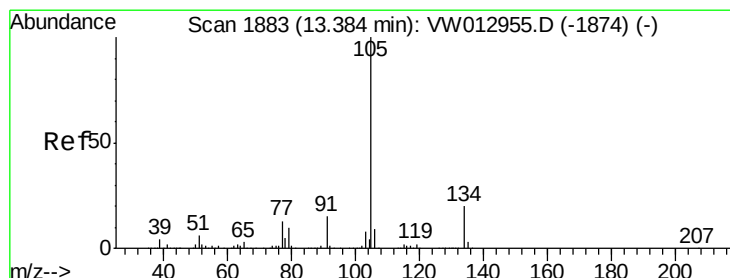
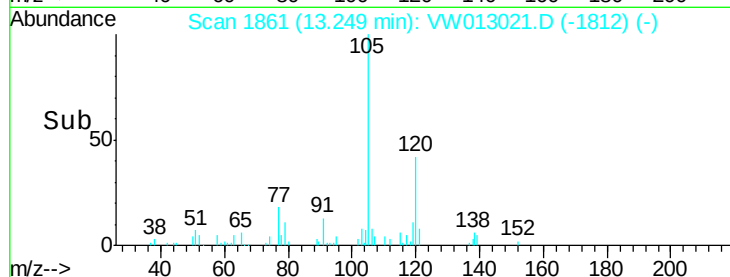
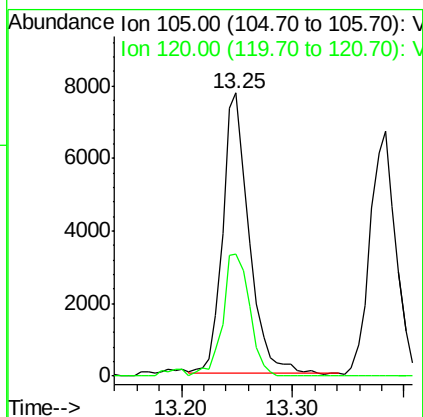
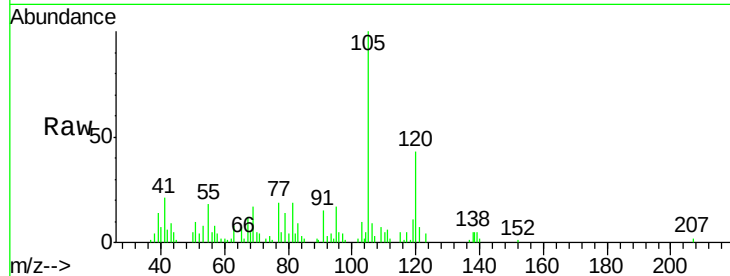




#84
 1,2,4-Trimethylbenzene
 Concen: 3.828 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

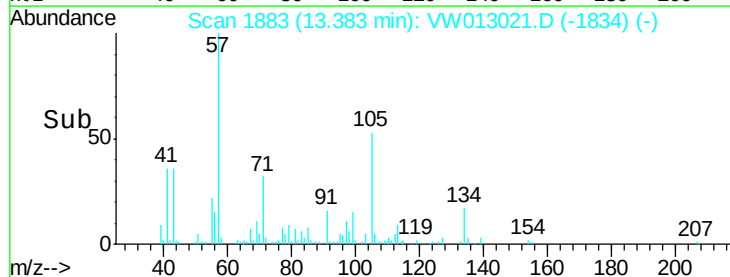
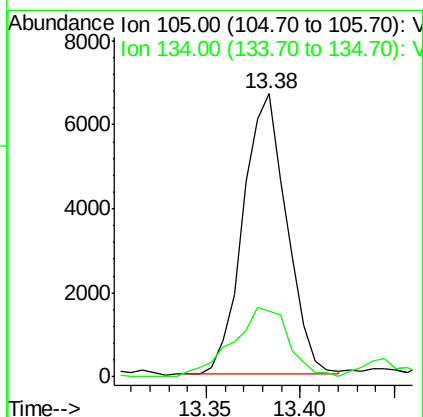
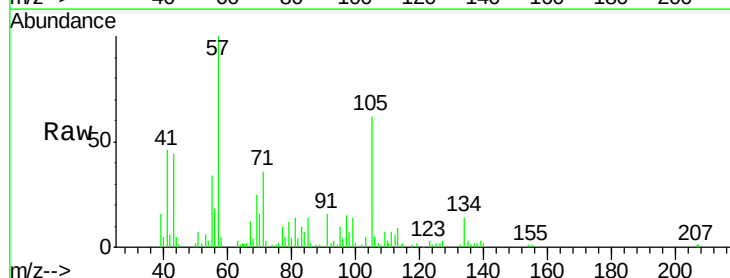
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)

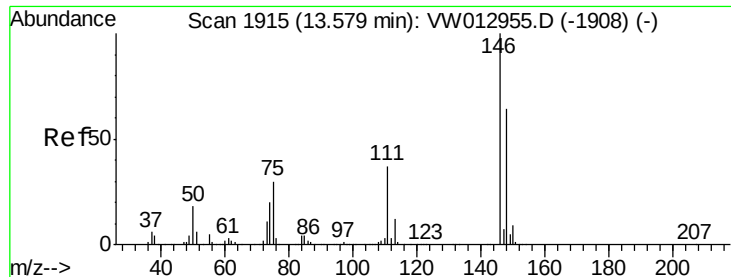
Tot Ion:105 Resp: 12642
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 2.614 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013021.D
 Acq: 15 Sep 2019 04:52

Tgt Ion:105 Resp: 10648
 Ion Ratio Lower Upper
 105 100
 134 31.7 10.2 30.4#





#88

1,4-Dichlorobenzene

Concen: 13.477 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013021.D

Acq: 15 Sep 2019 04:52

Instrument :

MSVOA_W

ClientSampleId :

TP-5-D2(9.5-10)

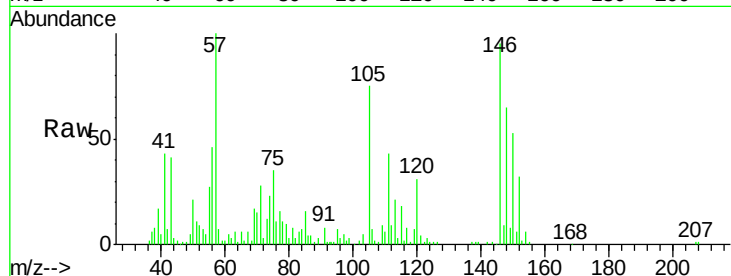
Tot Ion:146 Resp: 23861

Ion Ratio Lower Upper

146 100

111 45.9 19.4 58.2

148 67.2 31.9 95.5



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

