

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013037.D
 Acq On : 16 Sep 2019 13:24
 Operator : SY/VA
 Sample : K4787-11RE
 Misc : 6.66G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 16 14:22:44 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	7.95	168	254552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	248632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	42579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127599	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	7.88	113	109302	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	409428	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	85573	29.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.26%	

Target Compounds

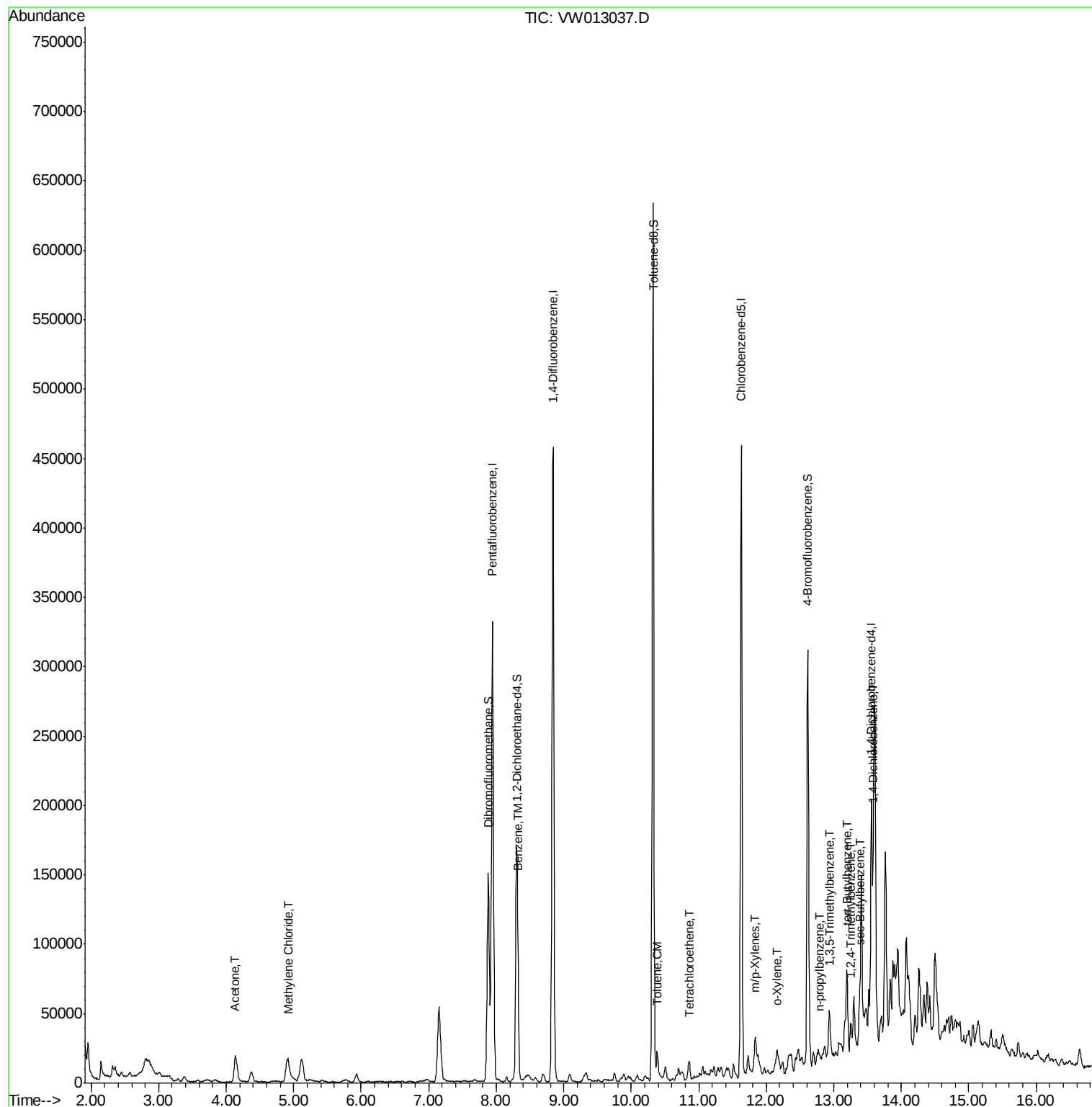
						Qvalue
16) Acetone	4.14	43	39640	63.090	ug/l	97
20) Methylene Chloride	4.92	84	13600	2.202	ug/l	96
40) Benzene	8.32	78	23697	2.761	ug/l	98
52) Toluene	10.38	92	7905	1.450	ug/l	99
64) Tetrachloroethene	10.86	164	2830	1.913	ug/l	96
68) m/p-Xylenes	11.84	106	6436	2.154	ug/l	96
69) o-Xylene	12.16	106	3881	1.385	ug/l	92
78) n-propylbenzene	12.80	91	5362	1.615	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	4024	1.685	ug/l	96
83) tert-Butylbenzene	13.20	119	3188	1.493	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	12940	5.485	ug/l	99
85) sec-Butylbenzene	13.38	105	12664	4.352	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	18066	14.283	ug/l	94

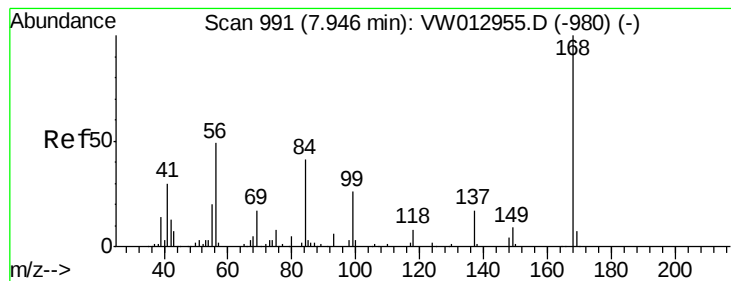
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

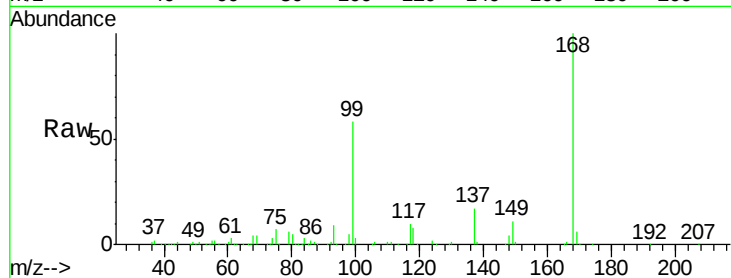
TP-5-D2(9.5-10)RE

Tot Ion:168 Resp: 254552

Ion Ratio Lower Upper

168 100

99 58.3 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

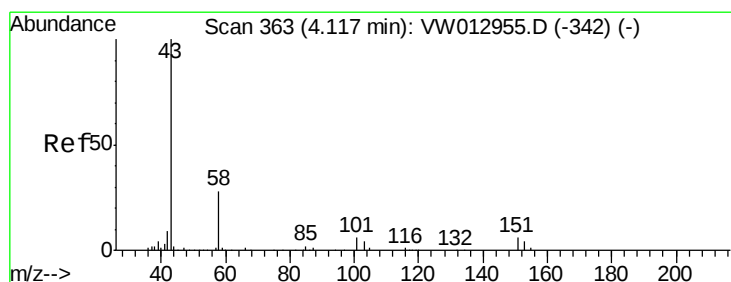
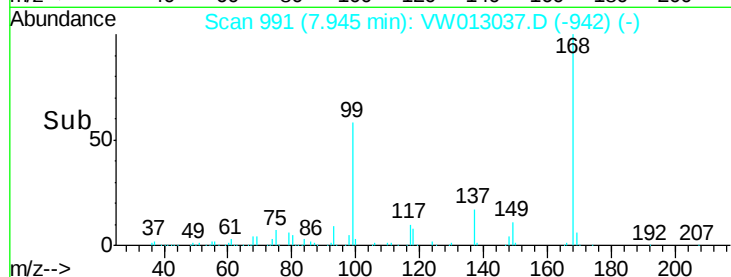
40000

20000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 63.090 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013037.D

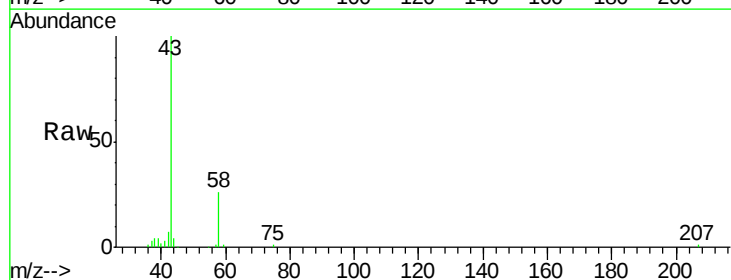
Acq: 16 Sep 2019 13:24

Tgt Ion: 43 Resp: 39640

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

15000

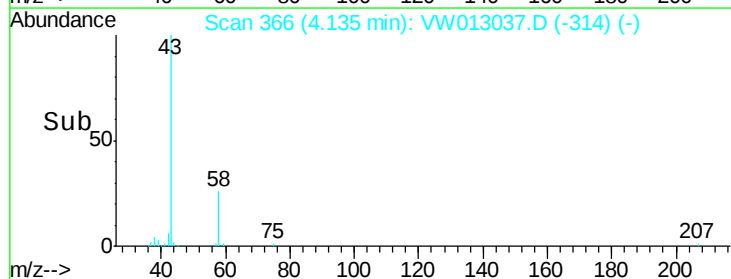
10000

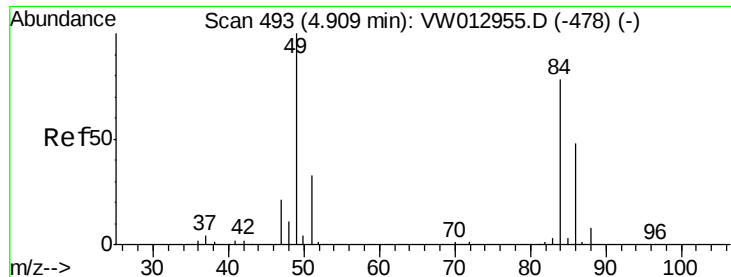
5000

0

4.00 4.10 4.20

Time-->

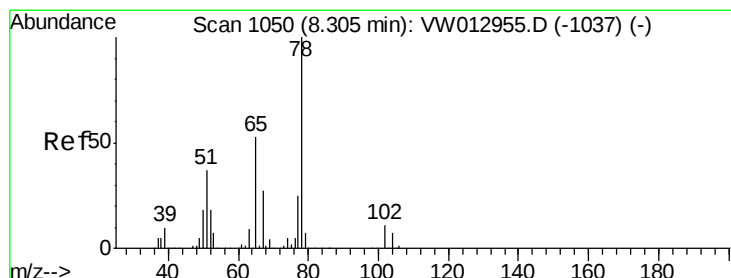
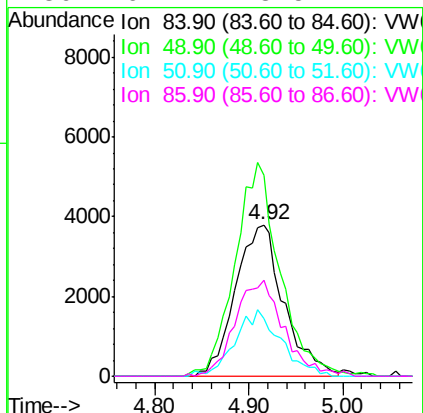
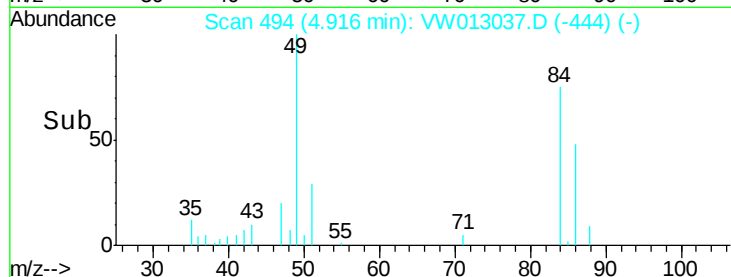
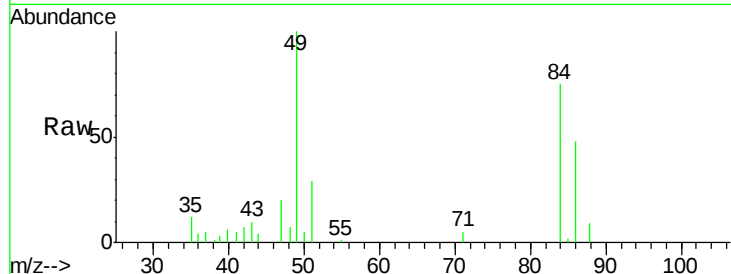




#20
Methvlene Chloride
Concen: 2.202 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

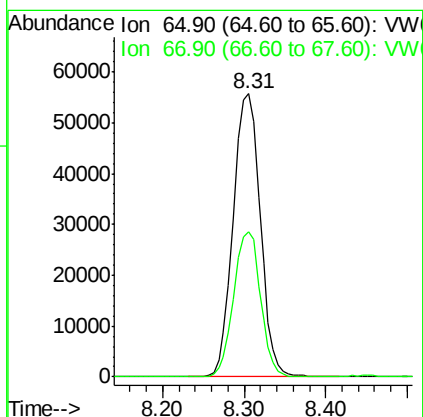
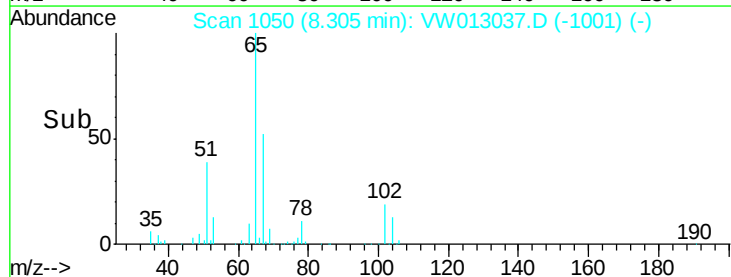
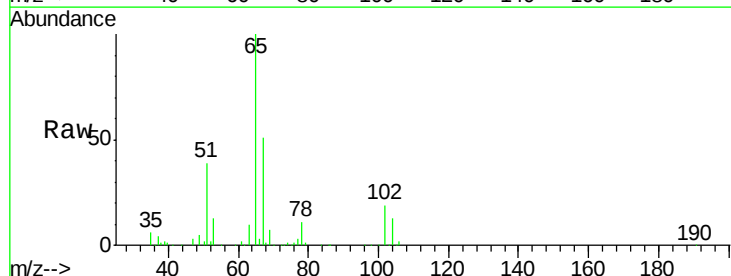
Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2(9.5-10)RE

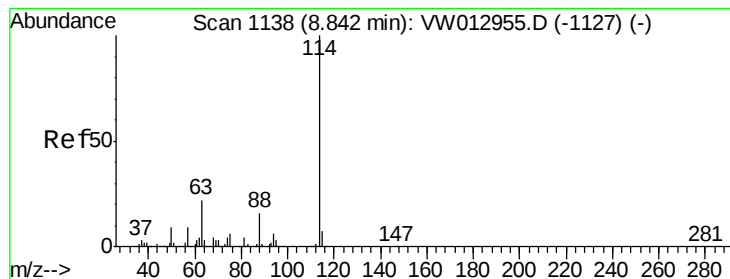
Tot Ion: 84 Resp: 13600
Ion Ratio Lower Upper
84 100
49 131.3 102.0 153.0
51 38.1 34.0 51.0
86 62.4 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 54.275 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

Tgt Ion: 65 Resp: 127599
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

TP-5-D2(9.5-10)RE

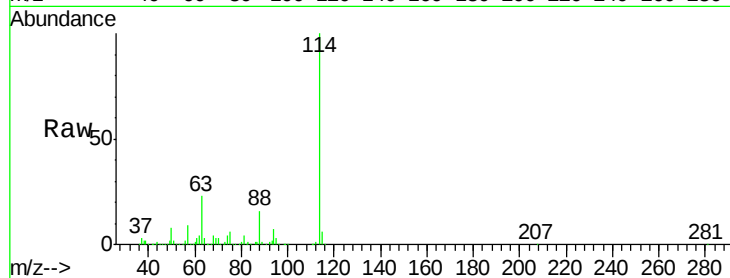
Tot Ion:114 Resp: 384710

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

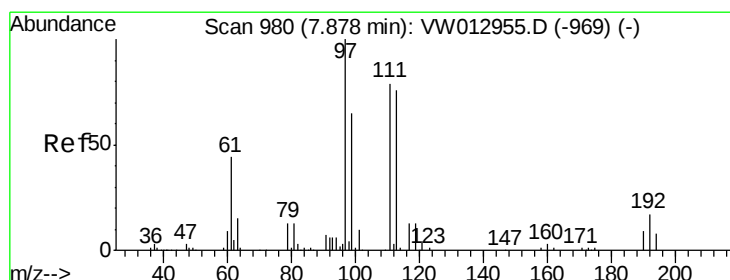
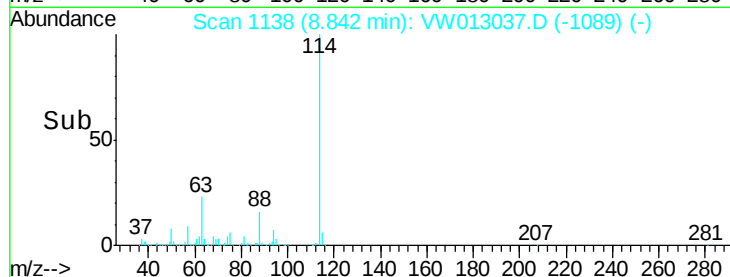
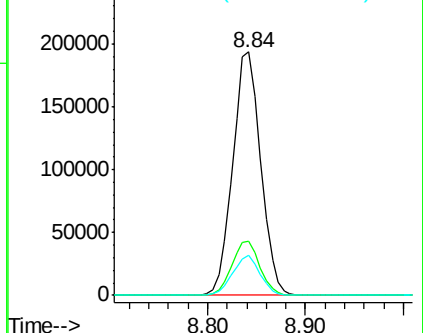
88 16.4 0.0 31.6



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



#35

Dibromofluoromethane

Concen: 52.361 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

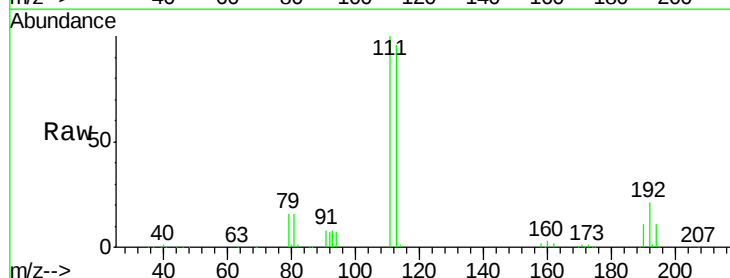
Tgt Ion:113 Resp: 109302

Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

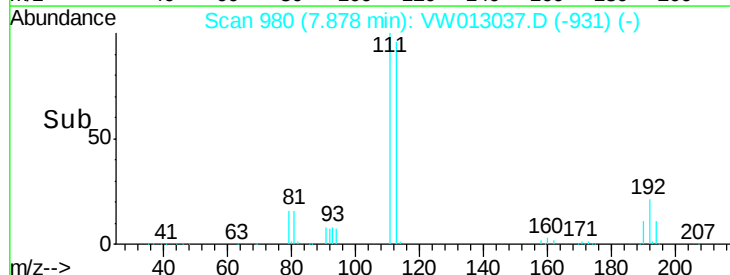
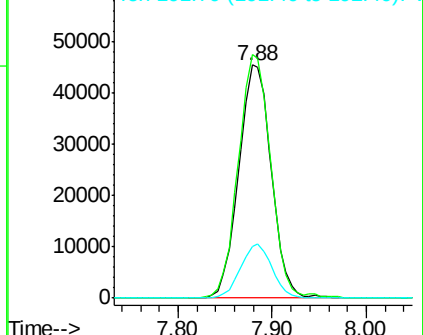
192 22.2 17.8 26.8

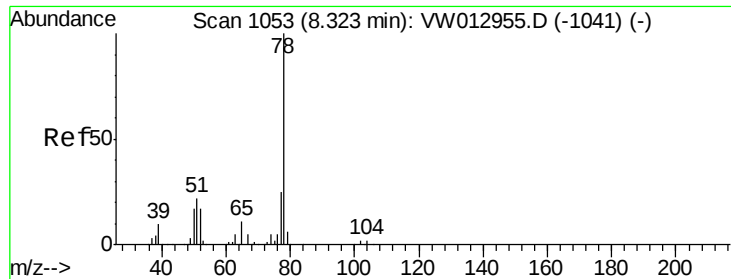


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 2.761 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

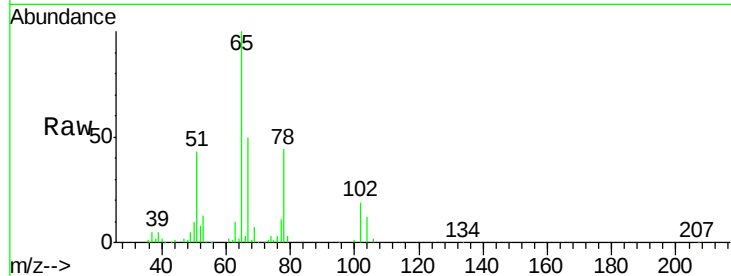
TP-5-D2(9.5-10)RE

Tot Ion: 78 Resp: 23697

Ion Ratio Lower Upper

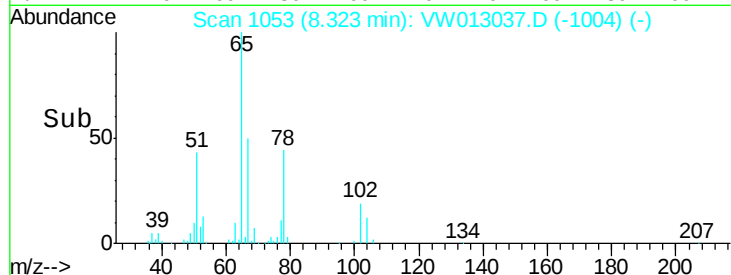
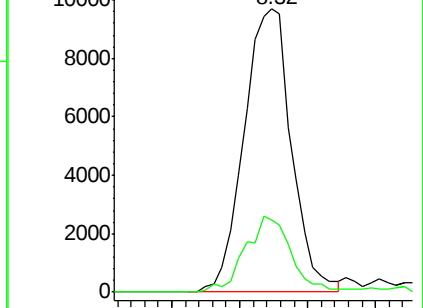
78 100

77 25.5 19.6 29.4

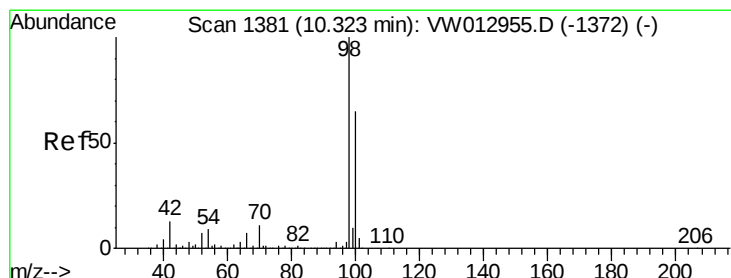


Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->



#50

Toluene-d8

Concen: 50.122 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013037.D

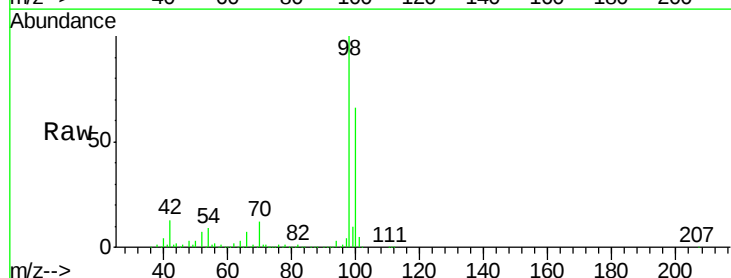
Acq: 16 Sep 2019 13:24

Tgt Ion: 98 Resp: 409428

Ion Ratio Lower Upper

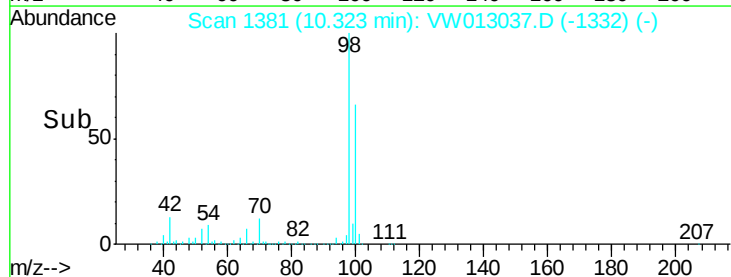
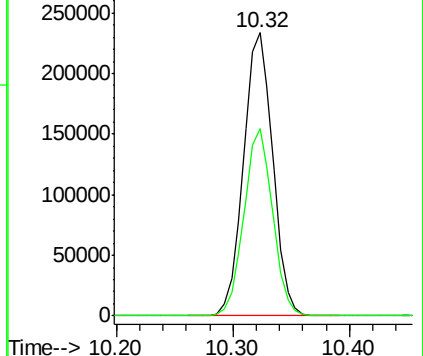
98 100

100 64.8 52.1 78.1

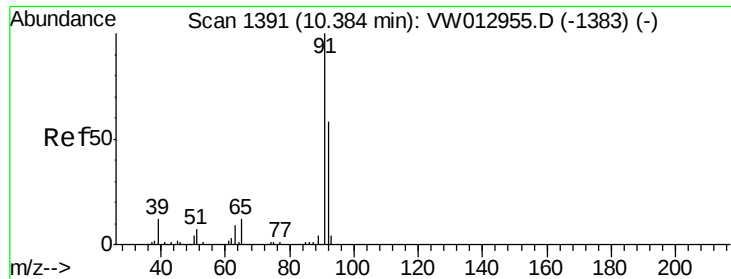


Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->



#52

Toluene

Concen: 1.450 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

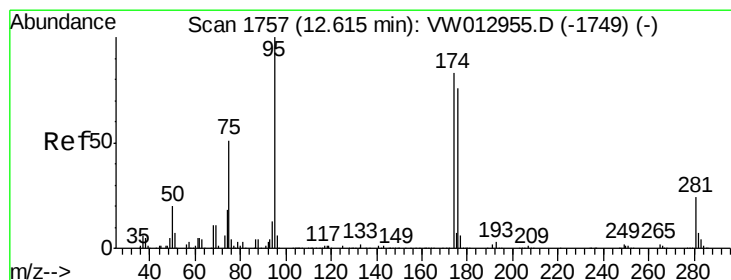
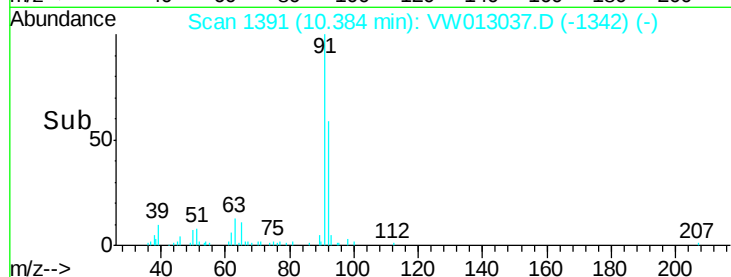
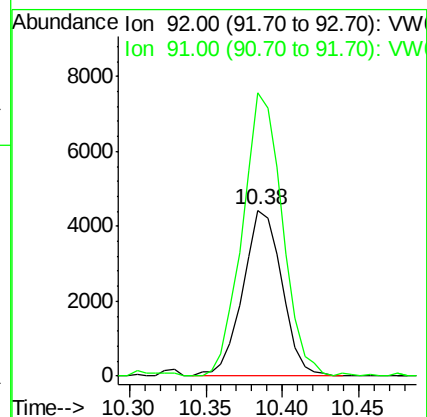
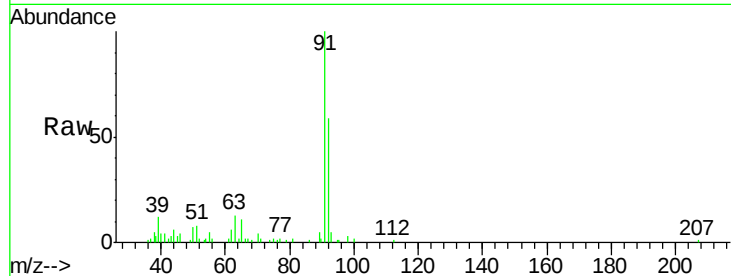
TP-5-D2(9.5-10)RE

Tot Ion: 92 Resp: 7905

Ion Ratio Lower Upper

92 100

91 173.0 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 29.134 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

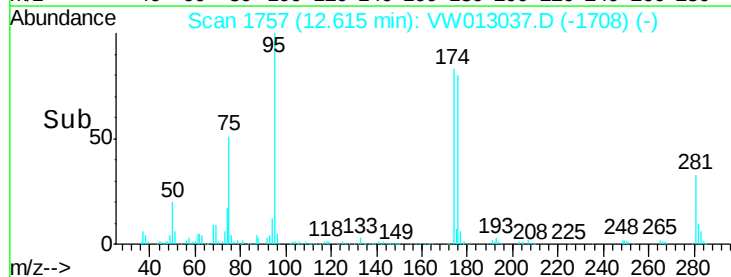
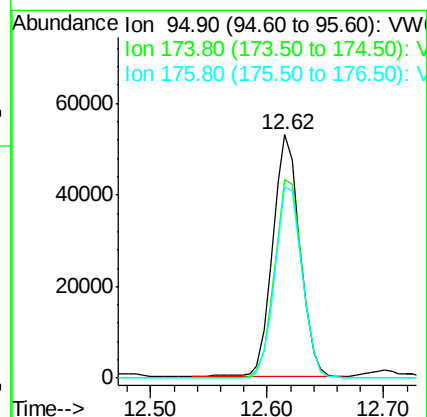
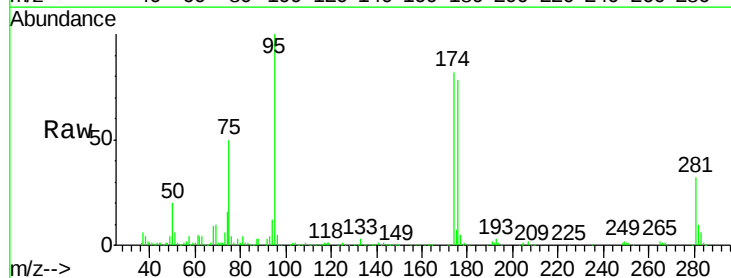
Tgt Ion: 95 Resp: 85573

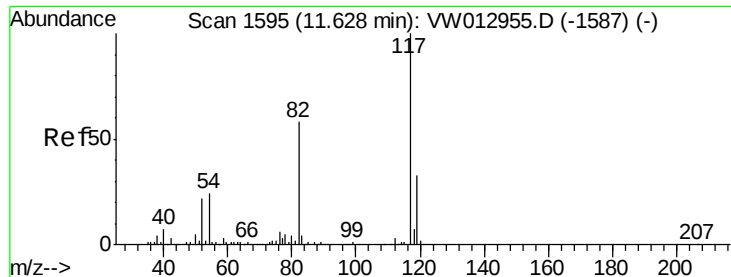
Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.4

176 80.2 0.0 164.6

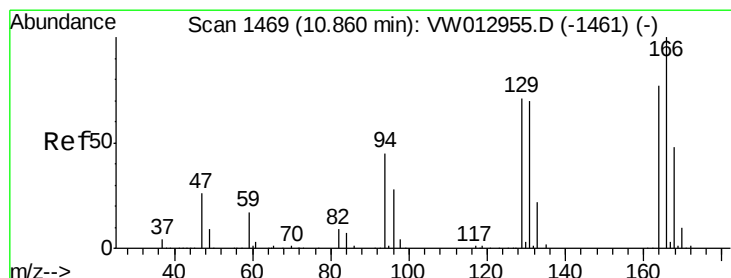
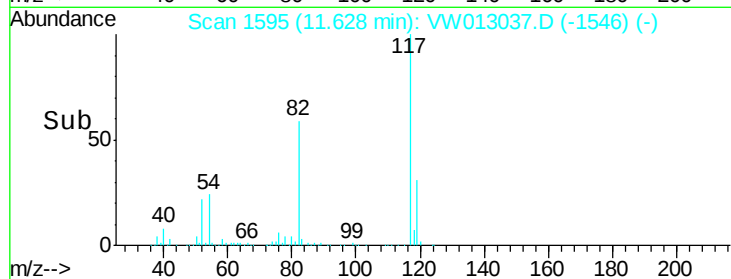
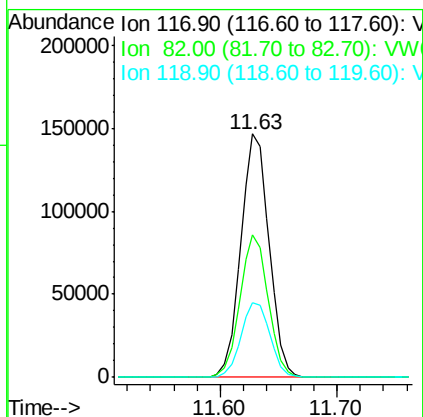
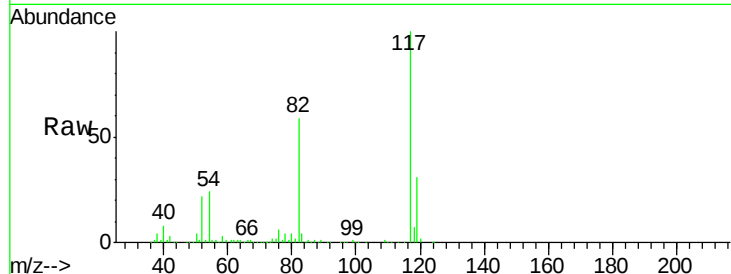




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

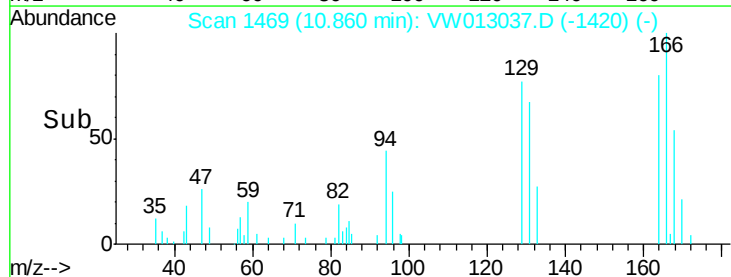
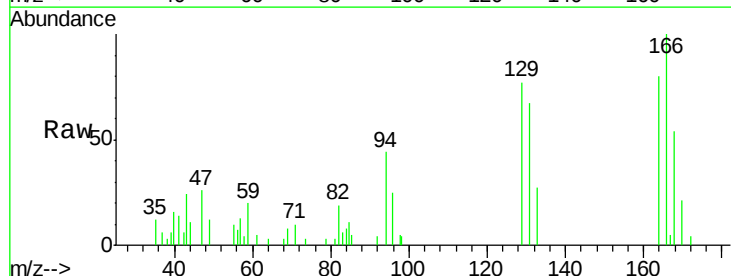
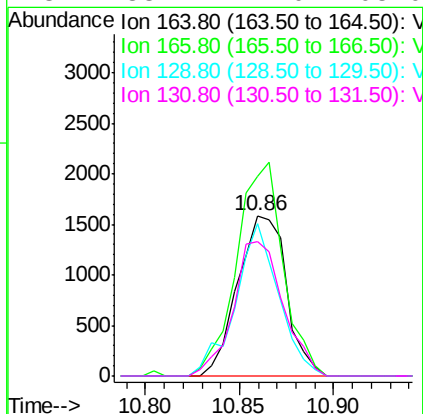
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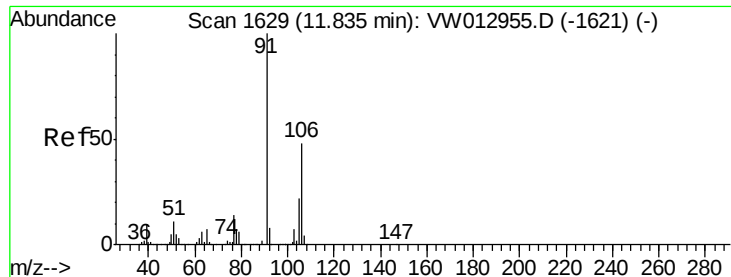
Tot Ion:117 Resp: 248632
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 30.7 26.2 39.4



#64
Tetrachloroethene
Concen: 1.913 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

Tgt Ion:164 Resp: 2830
Ion Ratio Lower Upper
164 100
166 124.7 103.3 154.9
129 95.4 73.8 110.8
131 83.7 72.0 108.0

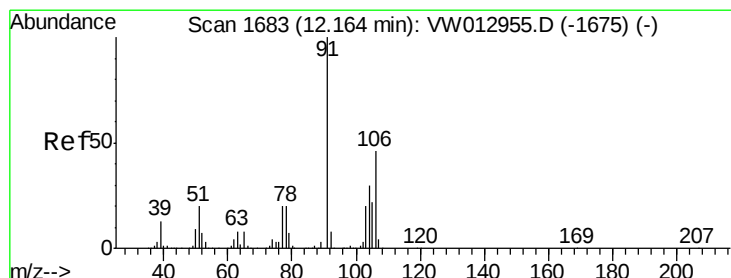
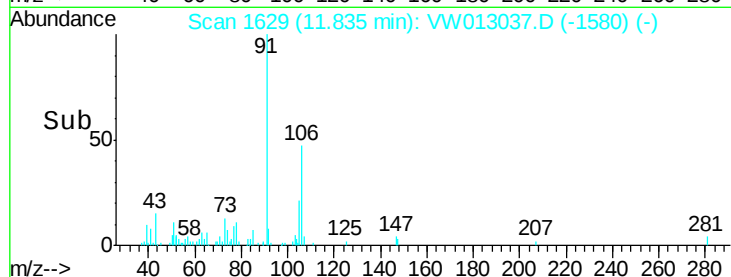
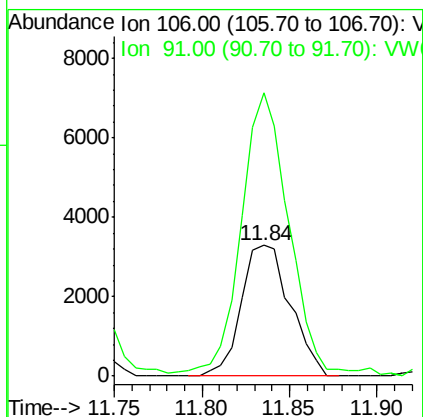
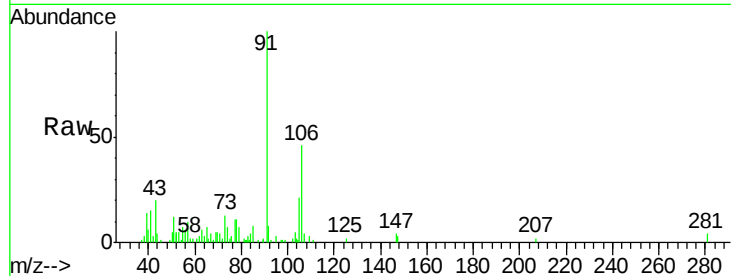




#68
m/p-Xylenes
Concen: 2.154 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

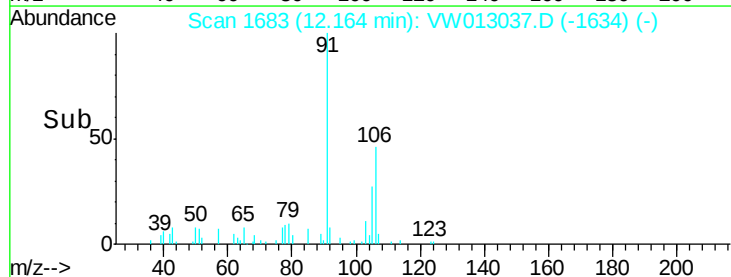
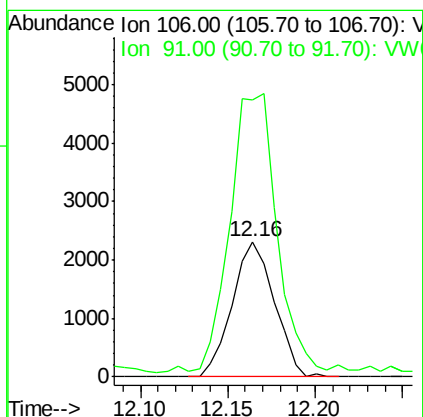
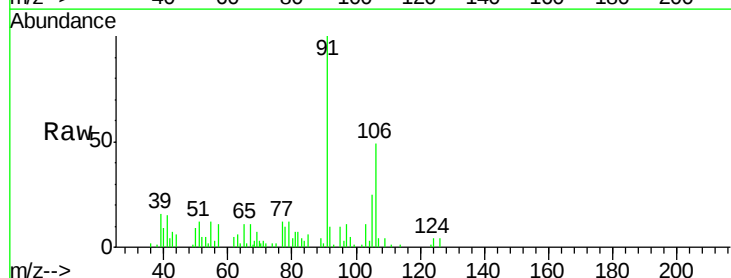
Instrument :
MSVOA_W
ClientSampleId :
TP-5-D2(9.5-10)RE

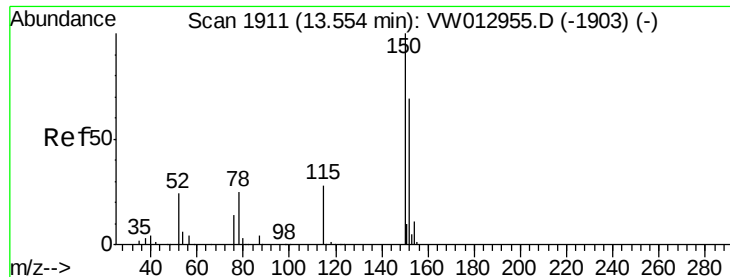
Tot Ion:106 Resp: 6436
Ion Ratio Lower Upper
106 100
91 213.0 165.8 248.8



#69
o-Xylene
Concen: 1.385 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

Tgt Ion:106 Resp: 3881
Ion Ratio Lower Upper
106 100
91 231.4 109.7 329.0



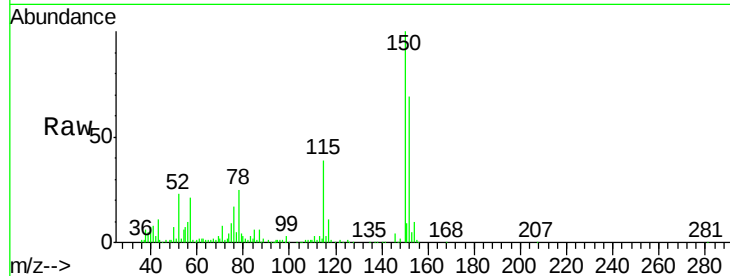


#72

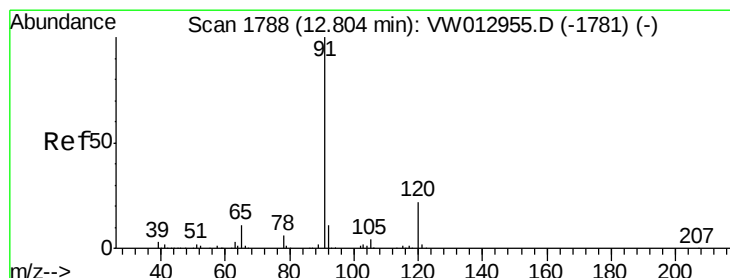
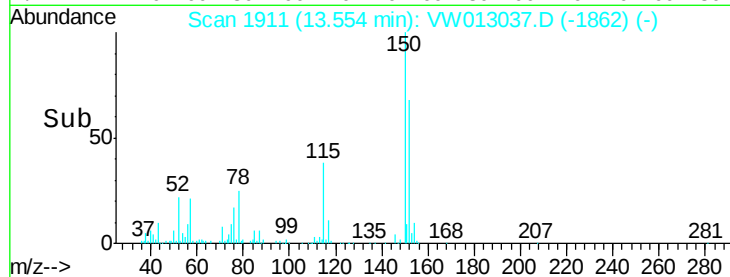
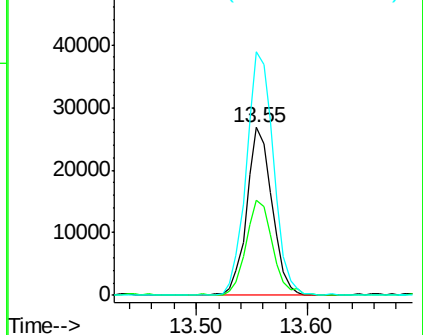
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

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

Tot Ion:152 Resp: 42579
Ion Ratio Lower Upper
152 100
115 59.8 28.8 86.4
150 155.3 0.0 340.2



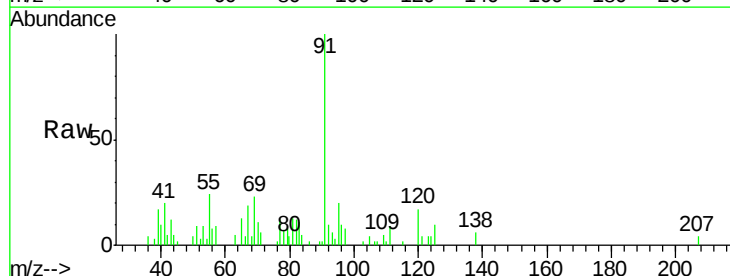
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



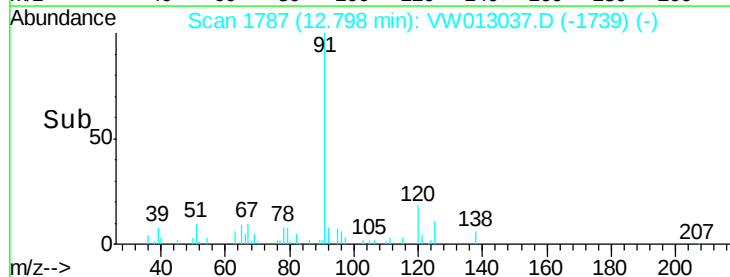
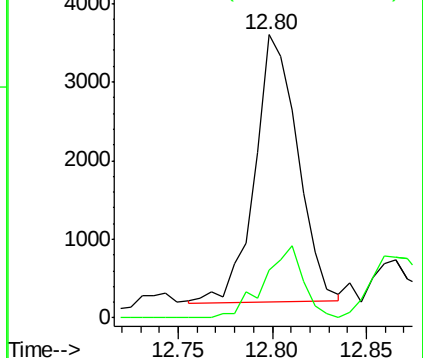
#78

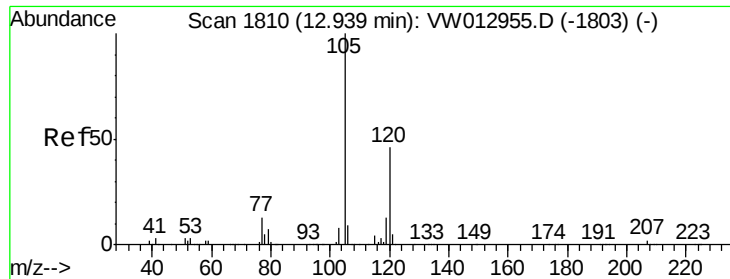
n-propylbenzene
Concen: 1.615 ug/l
RT: 12.80 min Scan# 1787
Delta R.T. -0.01 min
Lab File: VW013037.D
Acq: 16 Sep 2019 13:24

Tgt Ion: 91 Resp: 5362
Ion Ratio Lower Upper
91 100
120 24.7 11.2 33.5



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

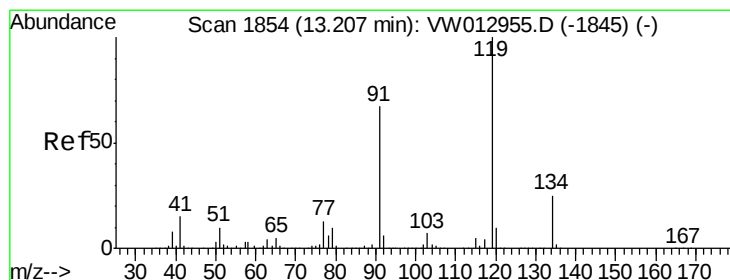
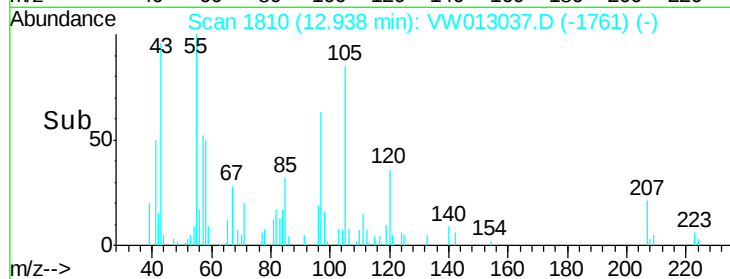
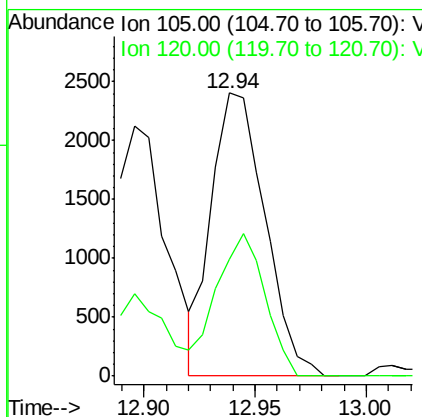
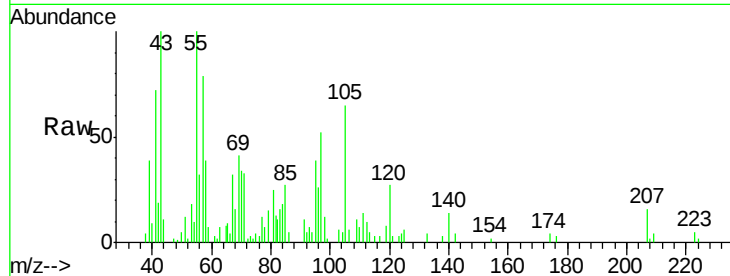




#80
 1,3,5-Trimethylbenzene
 Concen: 1.685 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW013037.D
 Acq: 16 Sep 2019 13:24

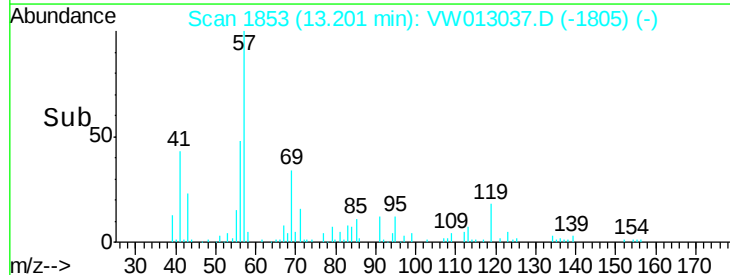
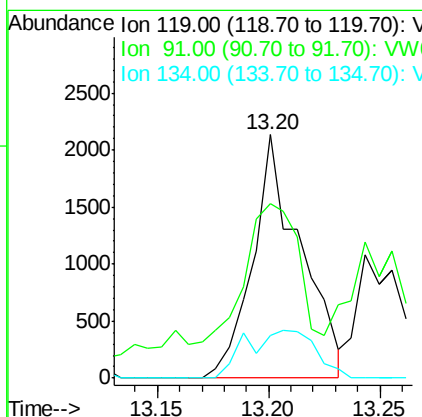
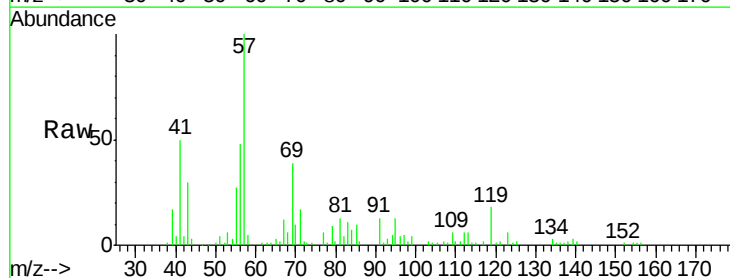
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)RE

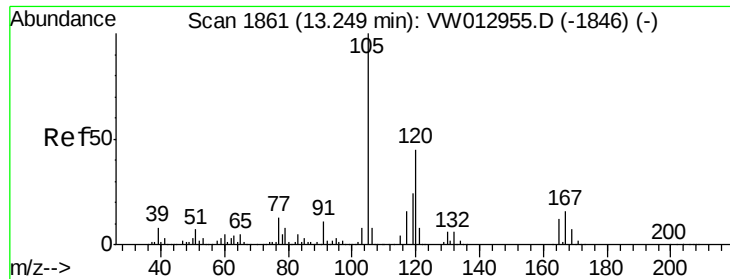
Tot Ion:105 Resp: 4024
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.2 72.6



#83
 tert-Butylbenzene
 Concen: 1.493 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW013037.D
 Acq: 16 Sep 2019 13:24

Tgt Ion:119 Resp: 3188
 Ion Ratio Lower Upper
 119 100
 91 68.8 32.6 98.0
 134 28.4 12.4 37.4

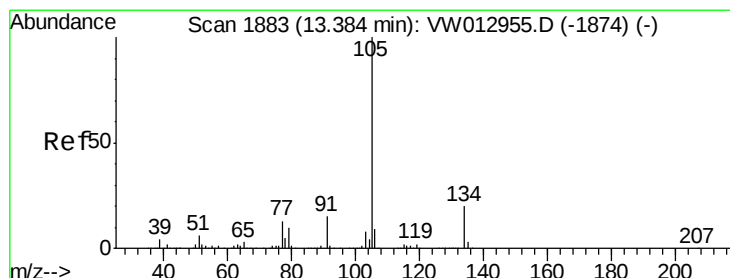
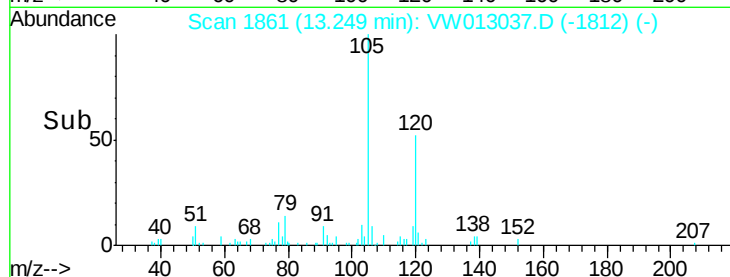
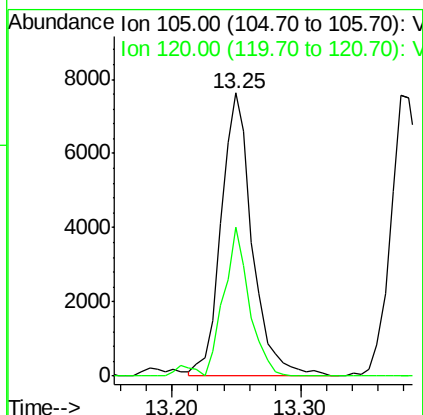
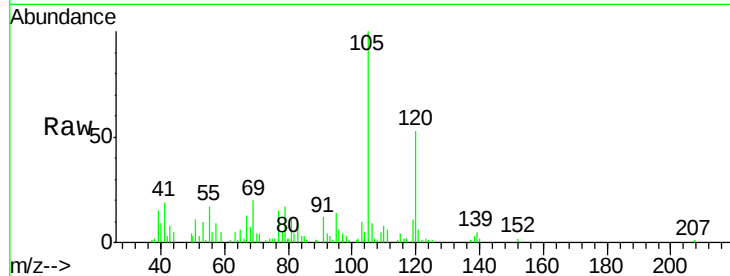




#84
 1,2,4-Trimethylbenzene
 Concen: 5.485 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013037.D
 Acq: 16 Sep 2019 13:24

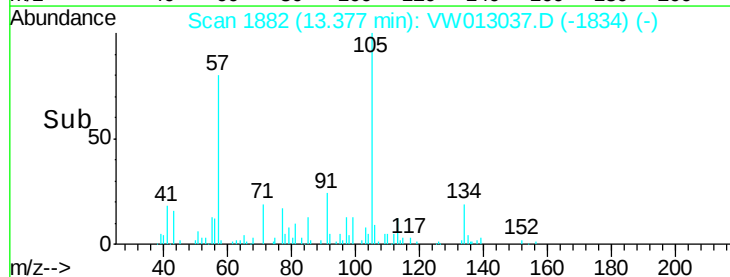
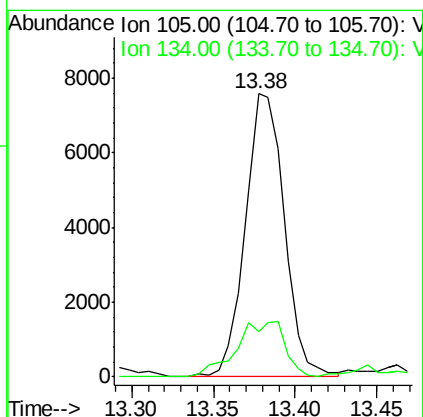
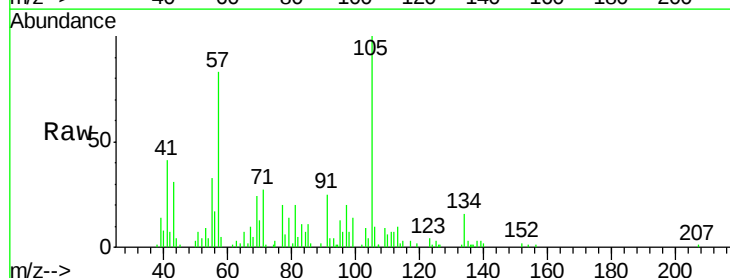
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5-D2(9.5-10)RE

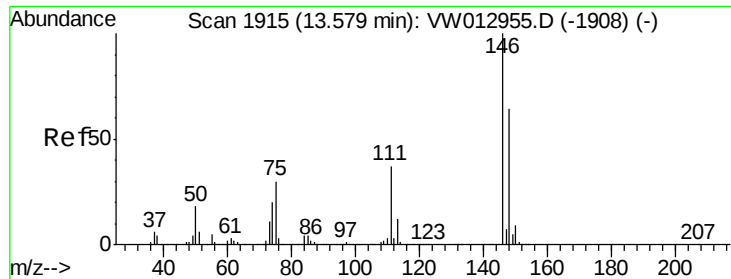
Tot Ion:105 Resp: 12940
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7



#85
 sec-Butylbenzene
 Concen: 4.352 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW013037.D
 Acq: 16 Sep 2019 13:24

Tgt Ion:105 Resp: 12664
 Ion Ratio Lower Upper
 105 100
 134 24.3 10.2 30.4





#88

1,4-Dichlorobenzene

Concen: 14.283 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013037.D

Acq: 16 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

TP-5-D2(9.5-10)RE

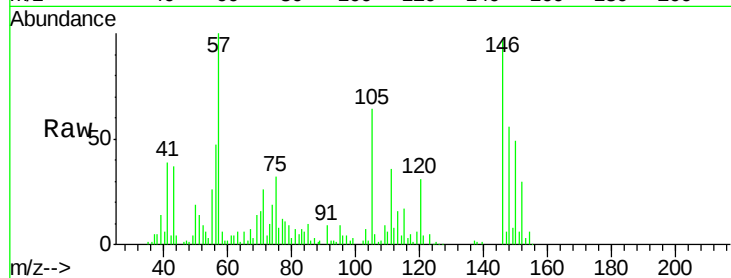
Tot Ion:146 Resp: 18066

Ion Ratio Lower Upper

146 100

111 46.8 19.4 58.2

148 64.9 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

