

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010645.D
 Acq On : 31 May 2019 19:09
 Operator : SY/VA
 Sample : K3097-22
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0442-PR-5(PASSAIC)

Quant Time: Jun 01 06:36:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	159960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	281438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	89185	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	7.88	113	84055	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.32	98	344016	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.62	95	115651	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

Target Compounds

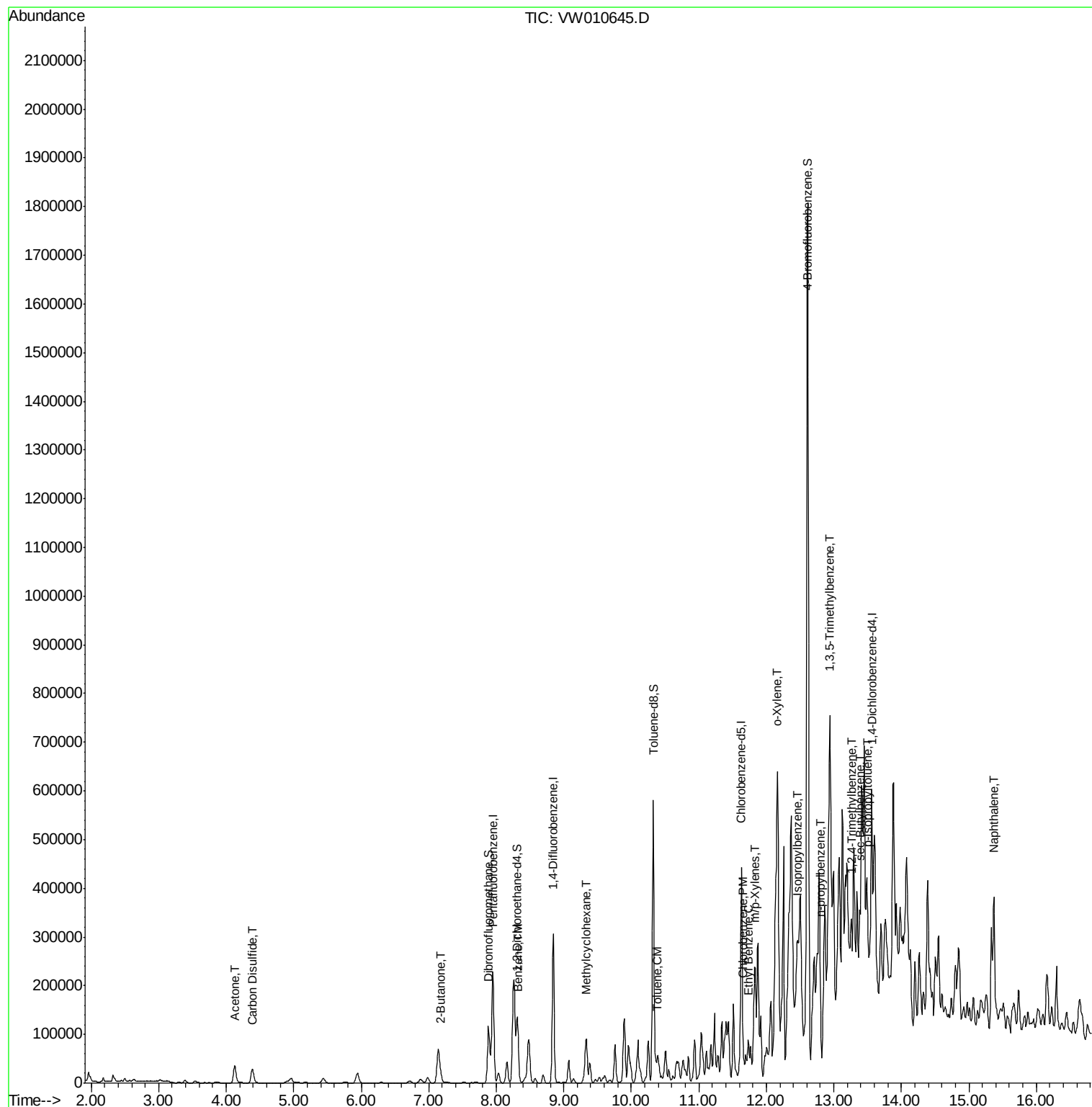
						Qvalue
16) Acetone	4.12	43	63774	189.230	ug/l	98
17) Carbon Disulfide	4.38	76	30616	6.075	ug/l	99
25) 2-Butanone	7.18	43	24270	50.321	ug/l	98
39) Methylcyclohexane	9.34	83	25015	7.122	ug/l #	84
40) Benzene	8.33	78	36098	4.954	ug/l	99
52) Toluene	10.39	92	20855	4.262	ug/l	96
65) Chlorobenzene	11.66	112	7559	1.419	ug/l #	85
67) Ethyl Benzene	11.73	91	46757	4.973	ug/l	96
68) m/p-Xylenes	11.83	106	56764	15.393	ug/l	99
69) o-Xylene	12.17	106	149458	42.776	ug/l	100
73) Isopropylbenzene	12.47	105	54217	6.096	ug/l	100
78) n-propylbenzene	12.80	91	16699	1.611	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	43427	5.765	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	74911	9.985	ug/l	98
85) sec-Butylbenzene	13.39	105	10459	1.136	ug/l #	49
86) p-Isopropyltoluene	13.50	119	22382	2.685	ug/l	98
95) Naphthalene	15.37	128	241054	47.437	ug/l	99

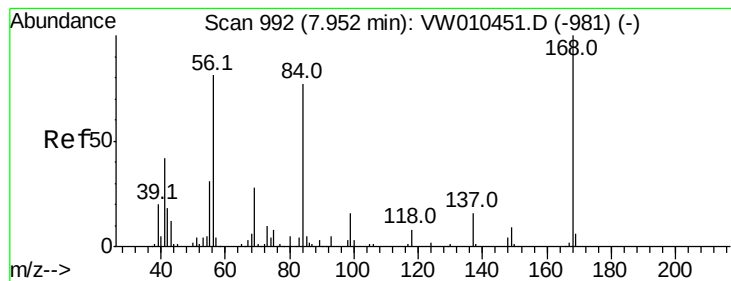
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

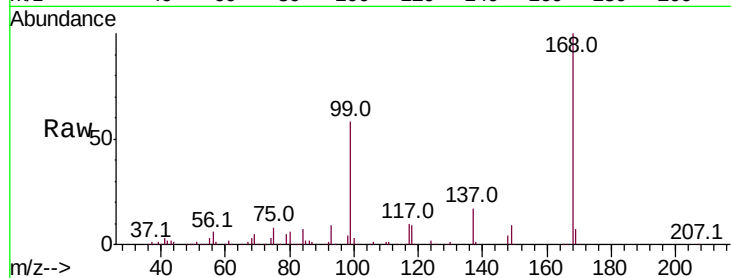
0442-PR-5(PASSAIC)

Tot Ion:168 Resp: 159960

Ion Ratio Lower Upper

168 100

99 58.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

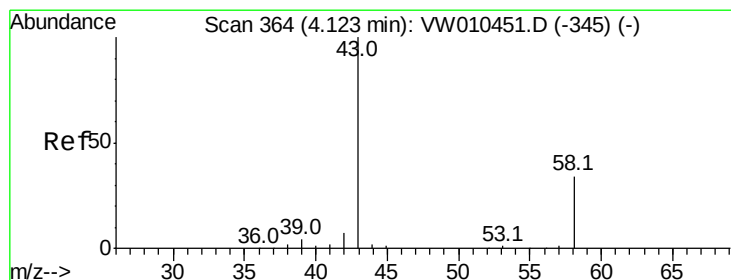
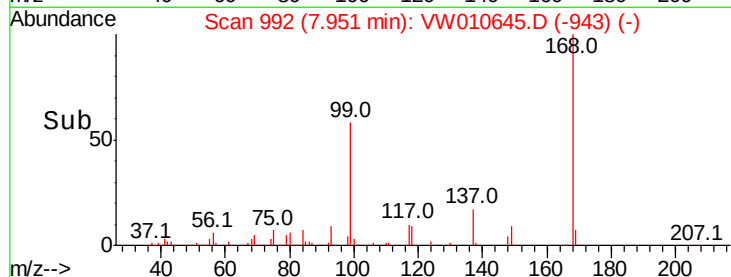
40000

20000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 189.230 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010645.D

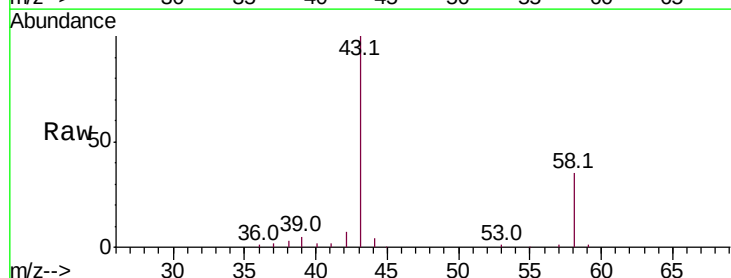
Acq: 31 May 2019 19:09

Tgt Ion: 43 Resp: 63774

Ion Ratio Lower Upper

43 100

58 34.8 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

25000

20000

15000

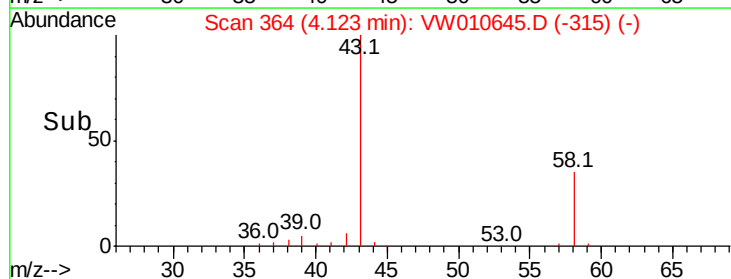
10000

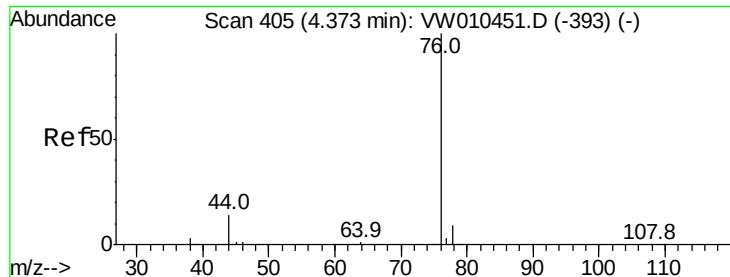
5000

0

4.00 4.10 4.20 4.30

Time-->





#17

Carbon Disulfide

Concen: 6.075 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

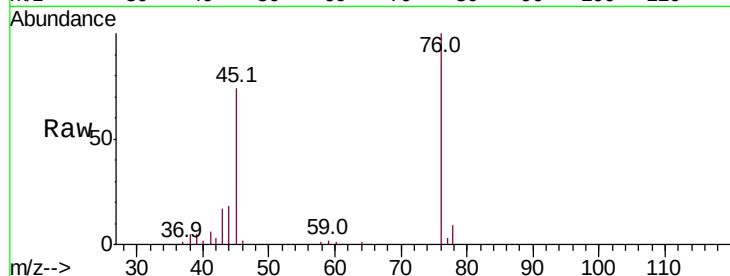
0442-PR-5(PASSAIC)

Tot Ion: 76 Resp: 30616

Ion Ratio Lower Upper

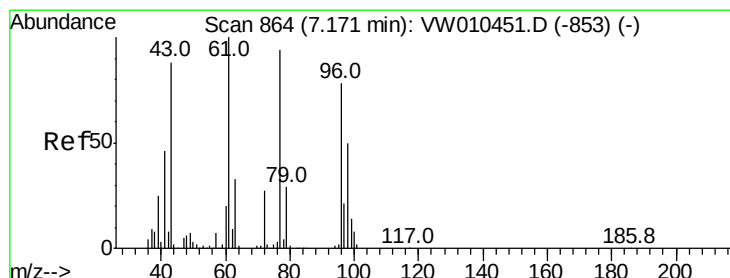
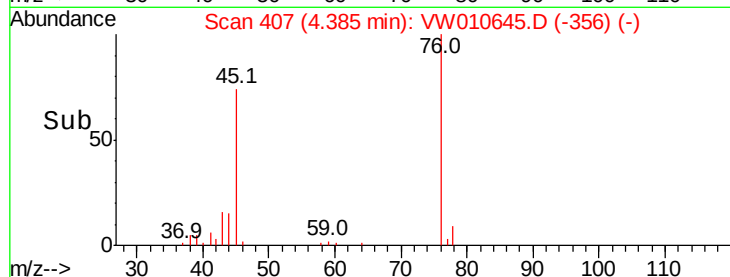
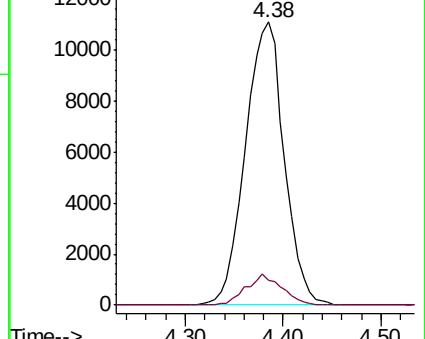
76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 50.321 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010645.D

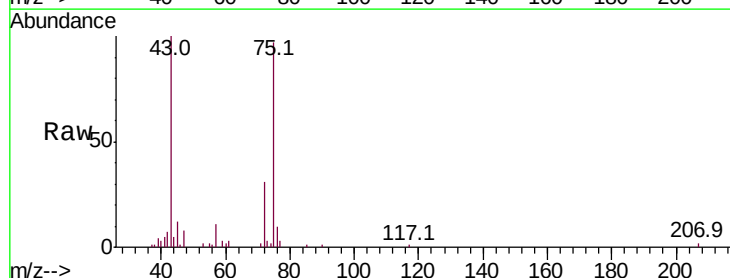
Acq: 31 May 2019 19:09

Tgt Ion: 43 Resp: 24270

Ion Ratio Lower Upper

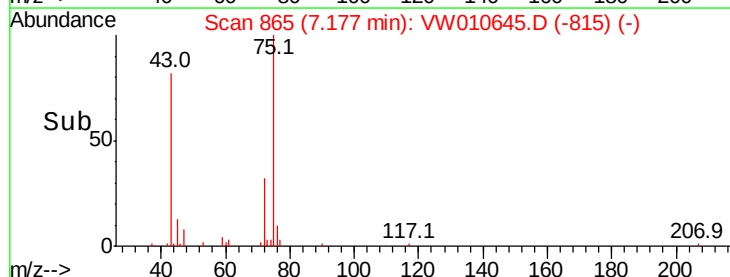
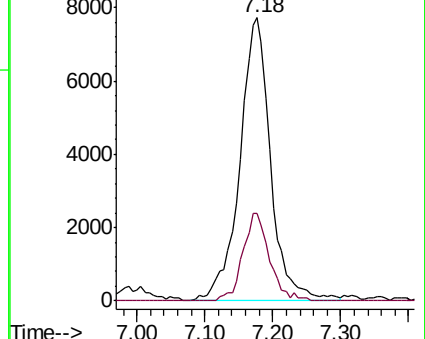
43 100

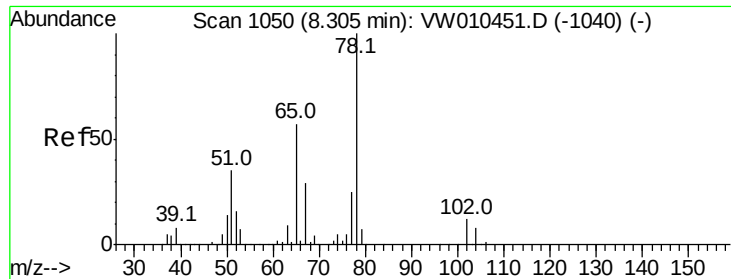
72 31.0 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

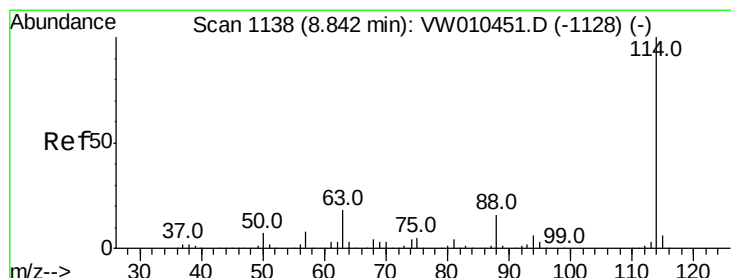
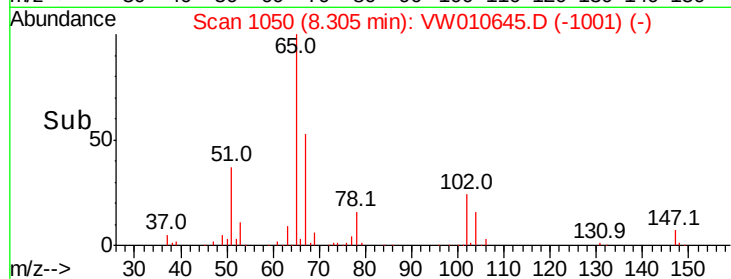
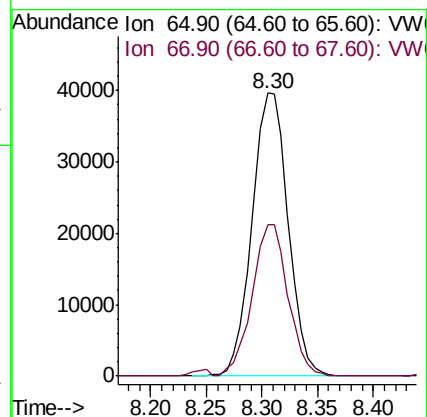
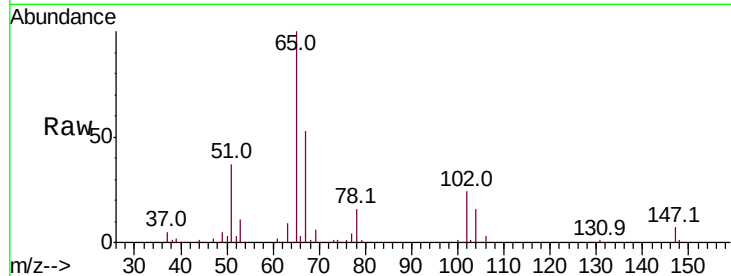




#33
 1,2-Dichloroethane-d4
 Concen: 54.017 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010645.D
 Acq: 31 May 2019 19:09

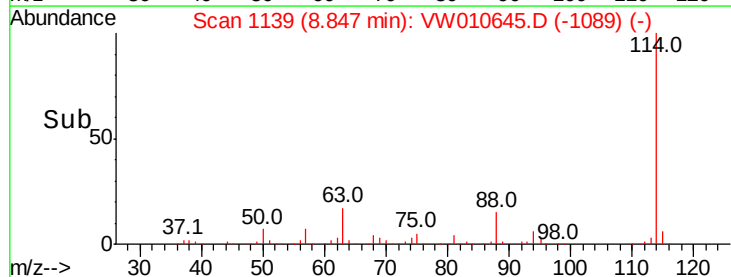
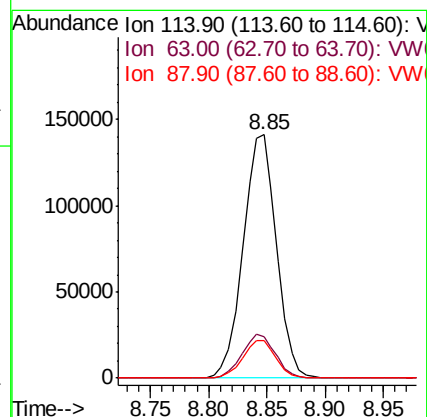
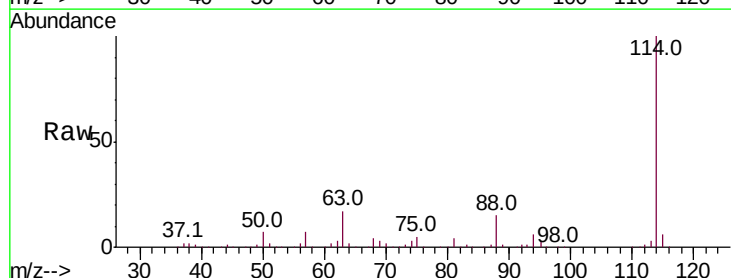
Instrument :
 MSVOA_W
 ClientSampleId :
 0442-PR-5(PASSAIC)

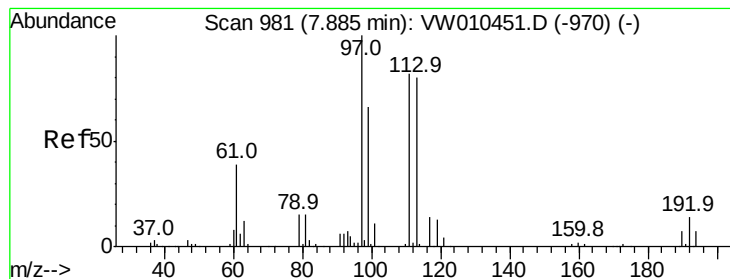
Tot Ion: 65 Resp: 89185
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010645.D
 Acq: 31 May 2019 19:09

Tgt Ion: 114 Resp: 281438
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.221 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

0442-PR-5(PASSAIC)

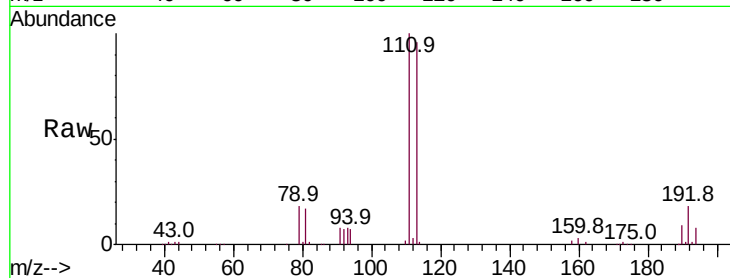
Tot Ion:113 Resp: 84055

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

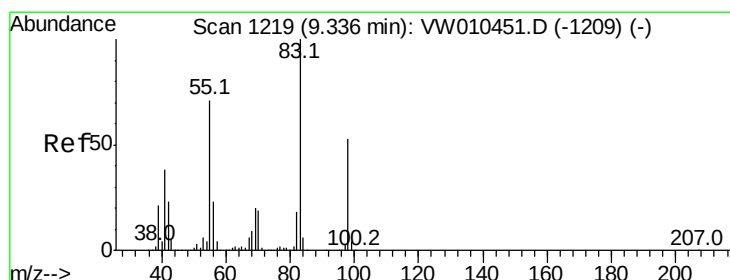
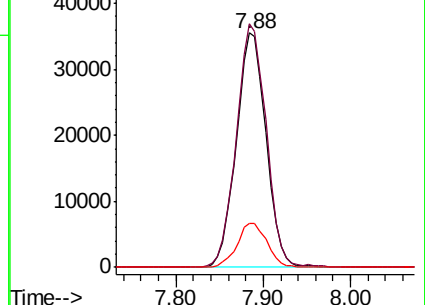
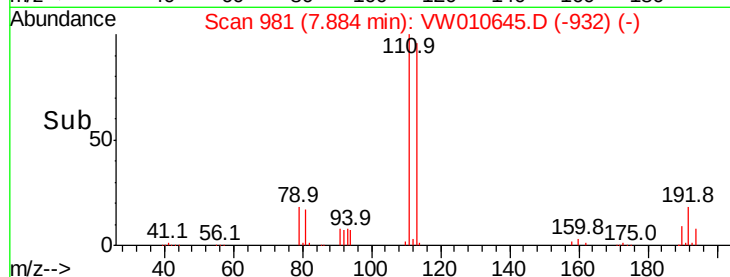
192 18.9 14.3 21.5



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



#39

Methylcyclohexane

Concen: 7.122 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

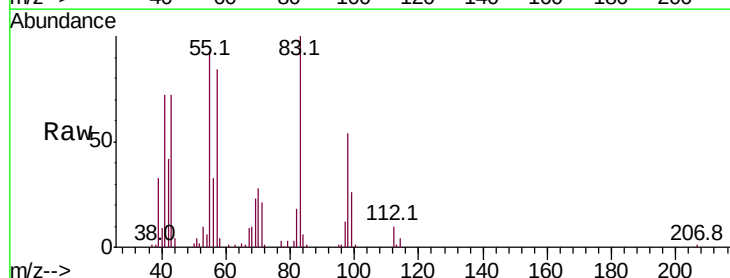
Tgt Ion: 83 Resp: 25015

Ion Ratio Lower Upper

83 100

55 92.8 57.0 85.6#

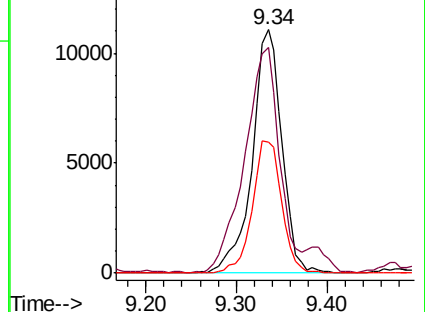
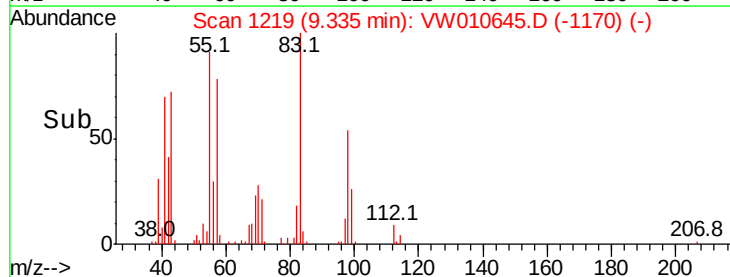
98 53.7 42.0 63.0

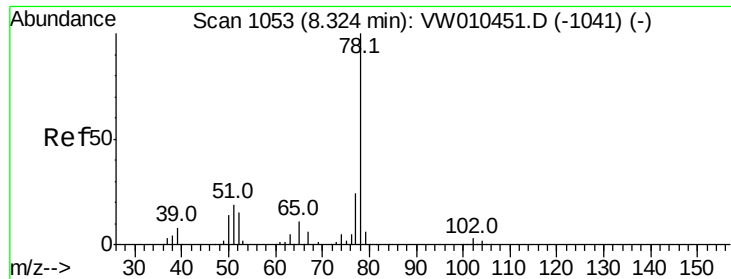


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 4.954 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

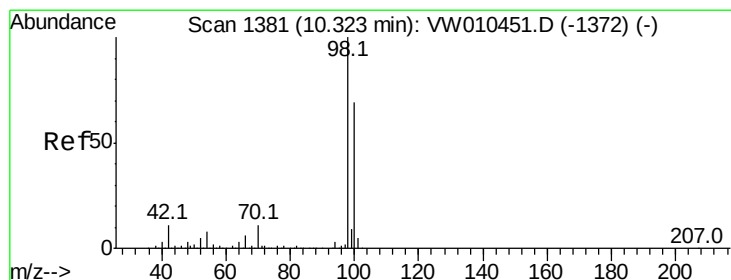
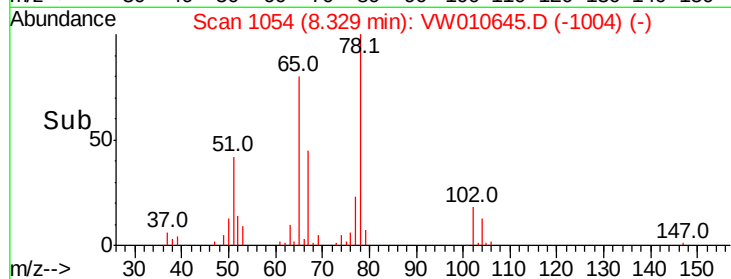
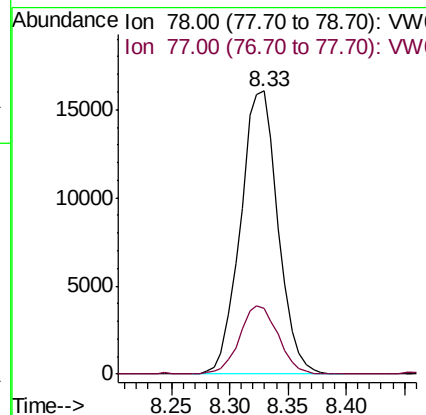
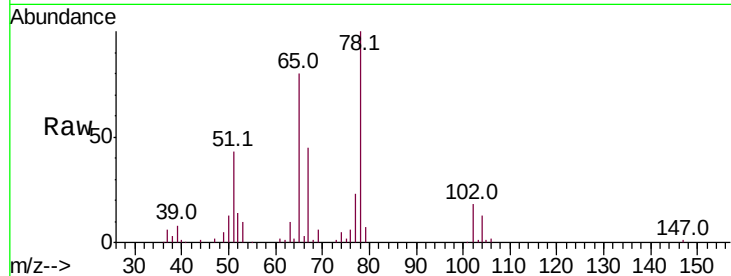
0442-PR-5(PASSAIC)

Tot Ion: 78 Resp: 36098

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3



#50

Toluene-d8

Concen: 52.732 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010645.D

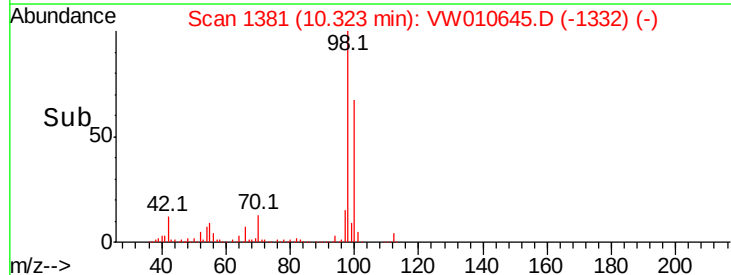
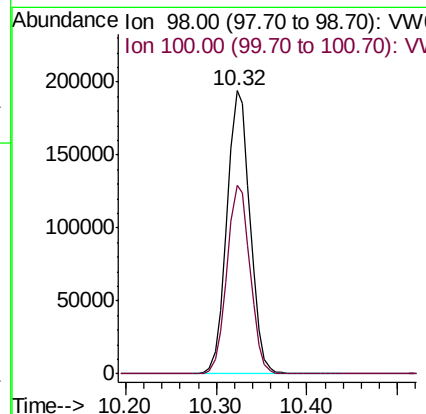
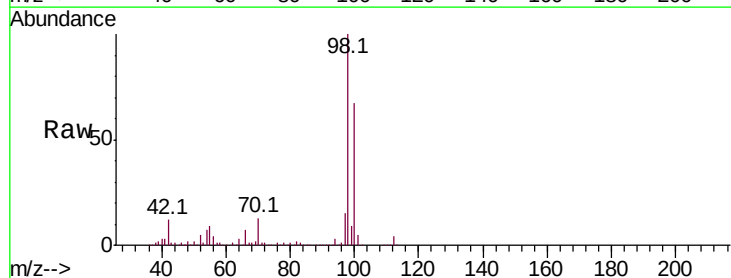
Acq: 31 May 2019 19:09

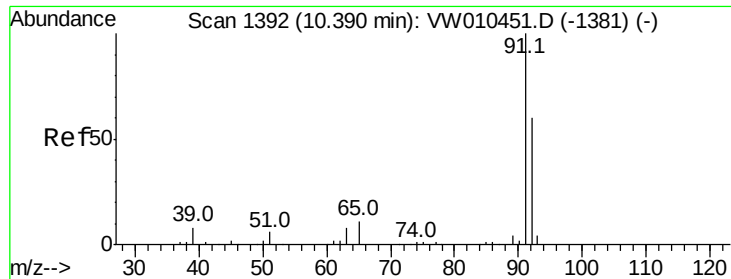
Tgt Ion: 98 Resp: 344016

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5





#52

Toluene

Concen: 4.262 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

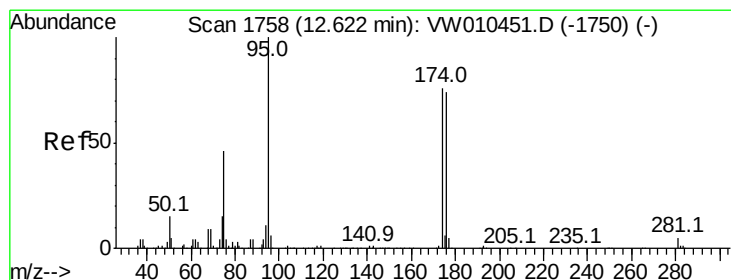
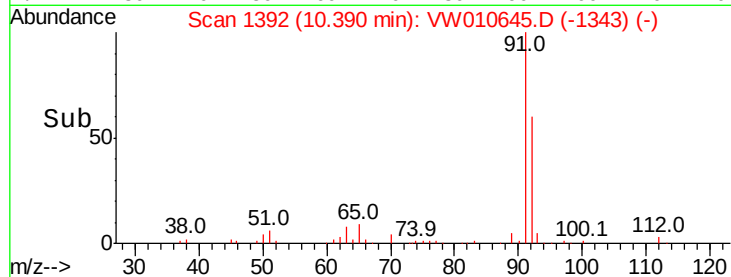
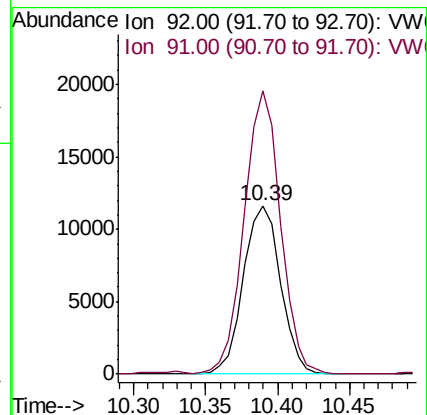
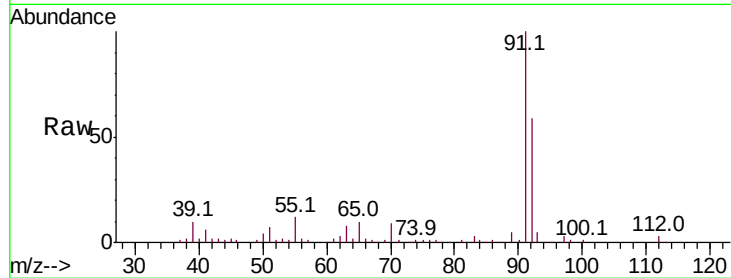
0442-PR-5(PASSAIC)

Tot Ion: 92 Resp: 20855

Ion Ratio Lower Upper

92 100

91 163.7 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 44.506 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

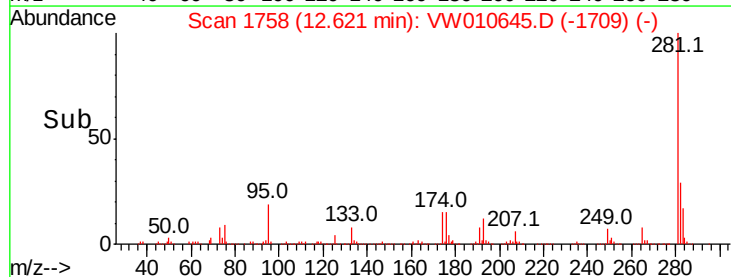
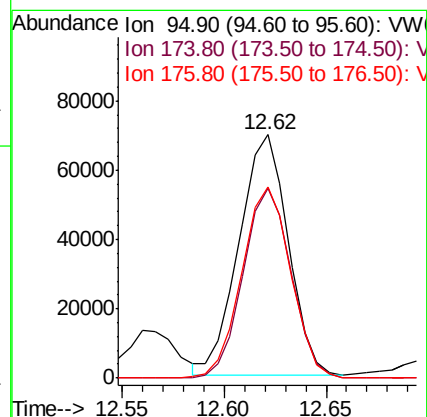
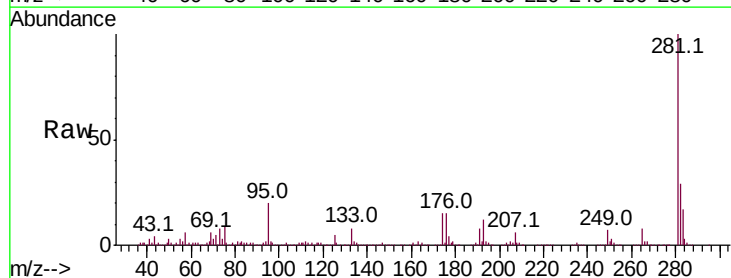
Tgt Ion: 95 Resp: 115651

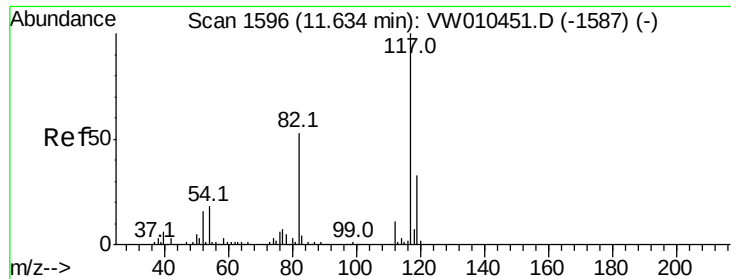
Ion Ratio Lower Upper

95 100

174 77.0 0.0 148.6

176 79.4 0.0 144.2

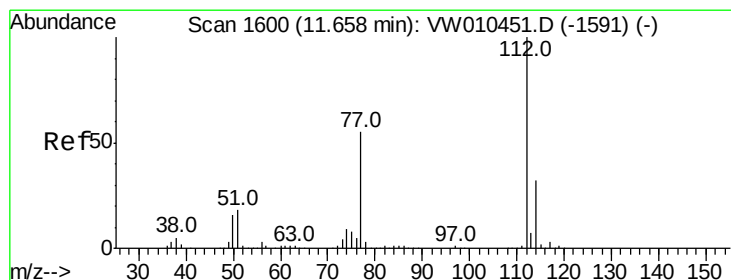
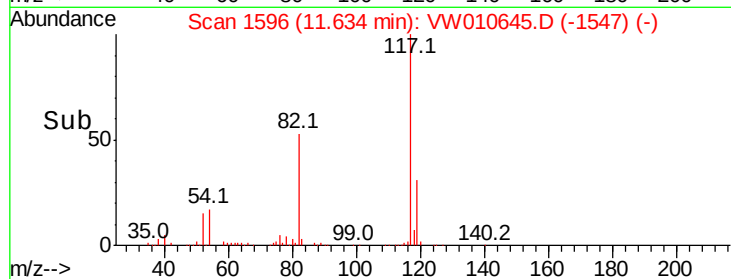
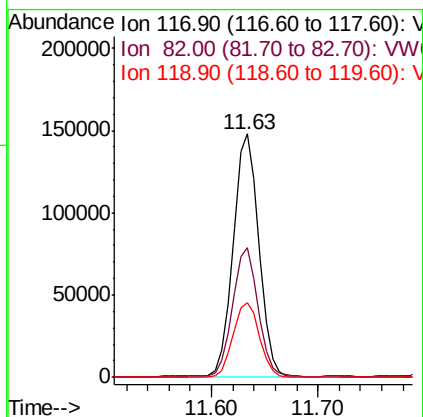
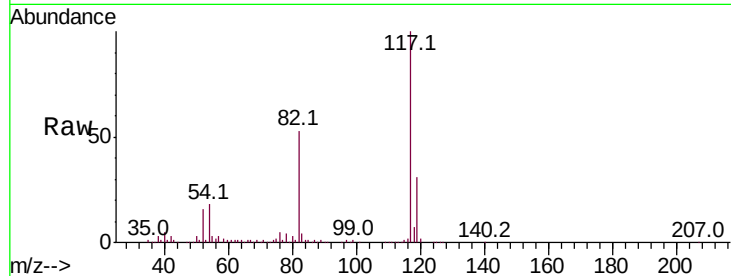




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

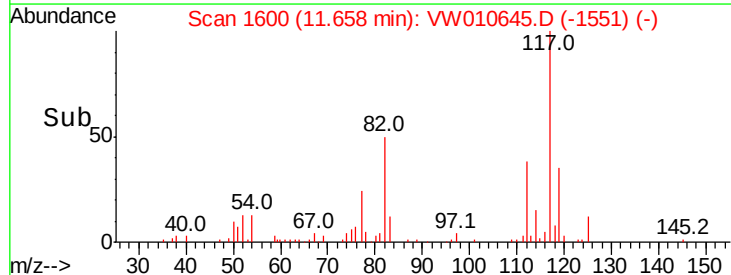
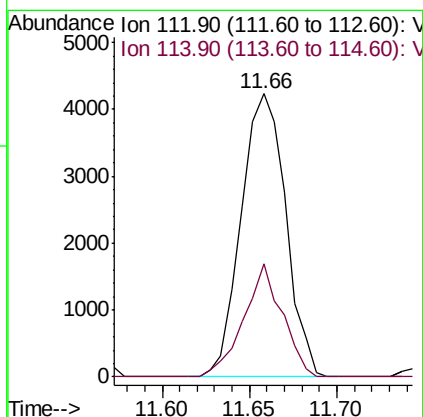
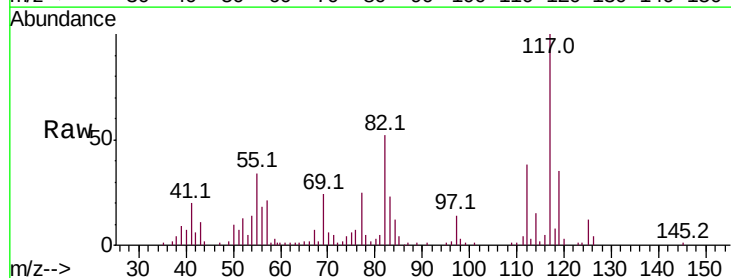
Instrument :
MSVOA_W
ClientSampleId :
0442-PR-5(PASSAIC)

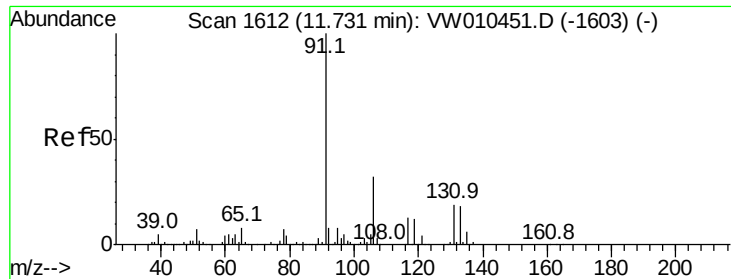
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.8	64.2
119	30.8	26.3	39.5



#65
Chlorobenzene
Concen: 1.419 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	39.9	25.3	37.9#

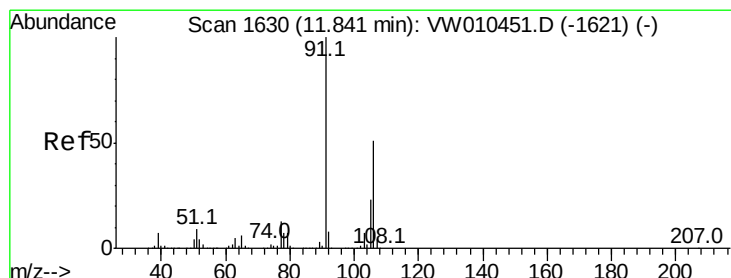
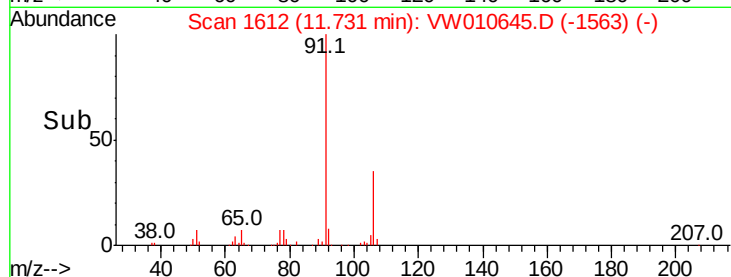
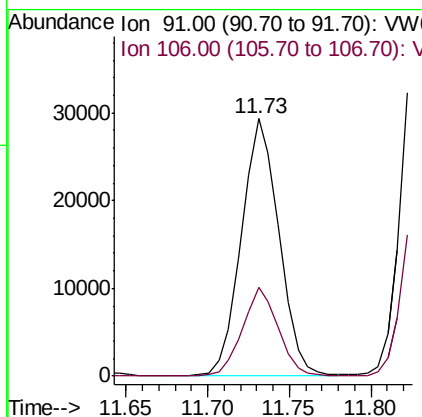
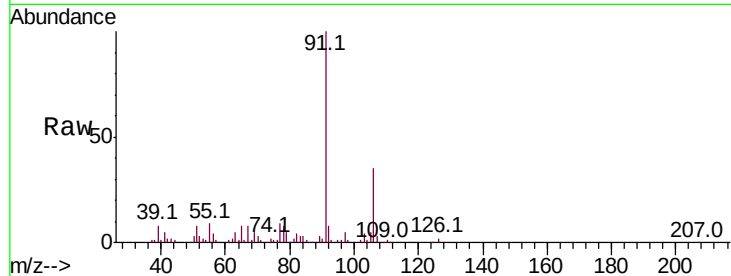




#67
Ethyl Benzene
Concen: 4.973 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

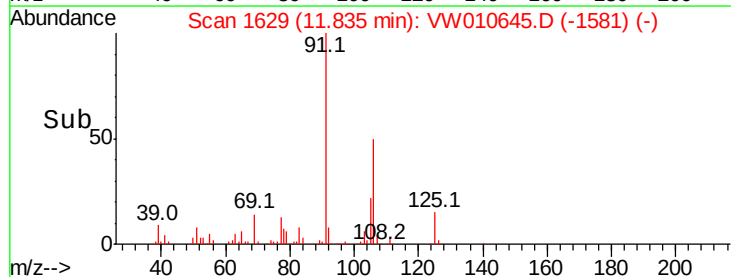
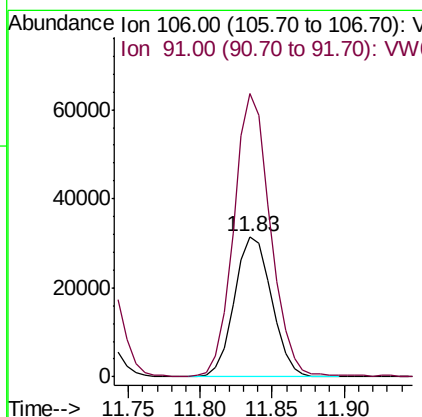
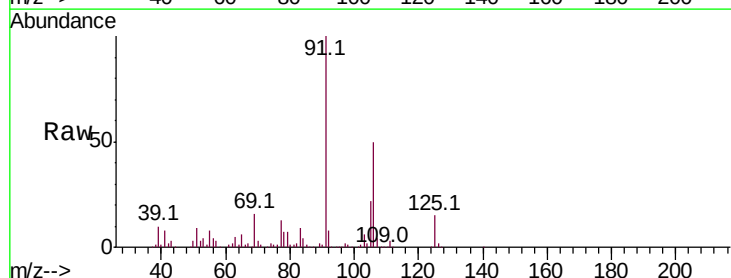
Instrument :
MSVOA_W
ClientSampleId :
0442-PR-5(PASSAIC)

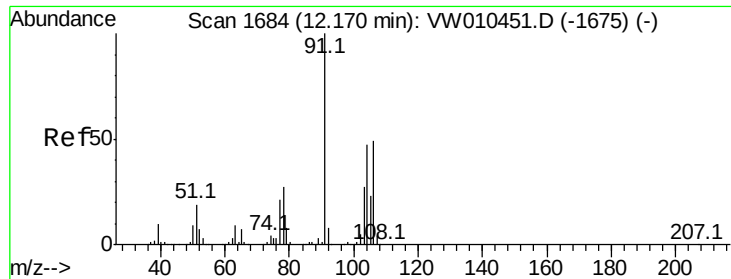
Tot Ion: 91 Resp: 46757
Ion Ratio Lower Upper
91 100
106 34.8 25.9 38.9



#68
m/p-Xylenes
Concen: 15.393 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

Tgt Ion:106 Resp: 56764
Ion Ratio Lower Upper
106 100
91 196.4 156.0 234.0

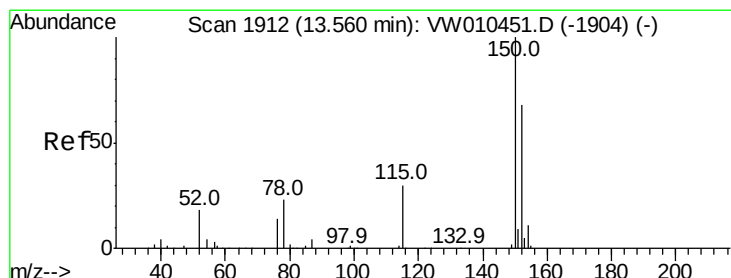
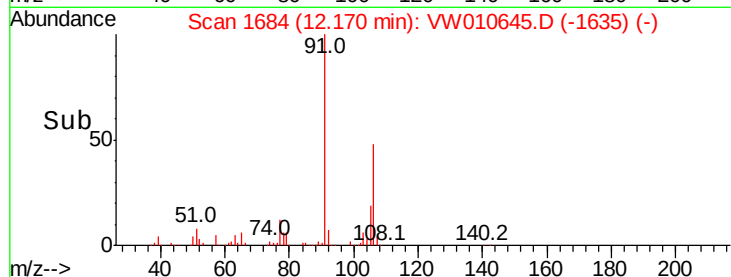
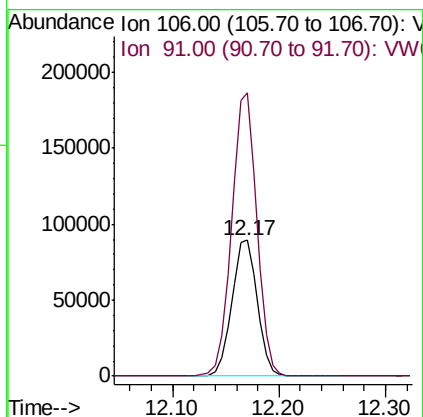
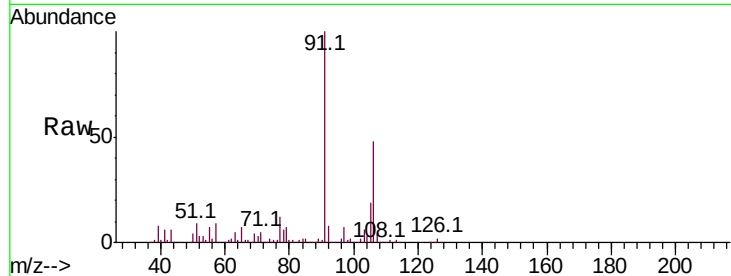




#69
o-Xylene
Concen: 42.776 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

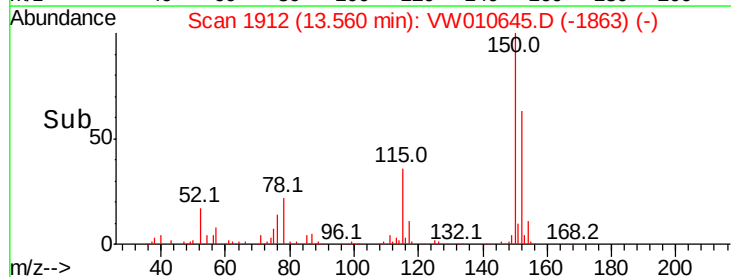
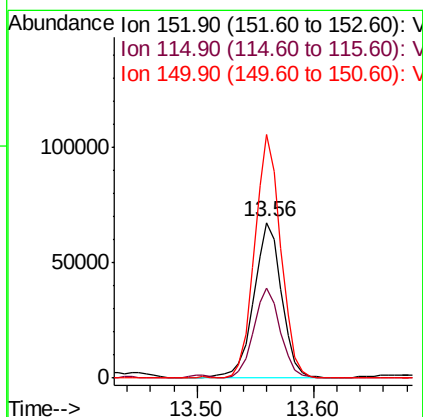
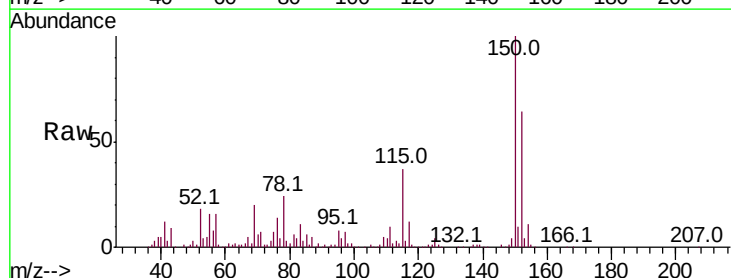
Instrument :
MSVOA_W
ClientSampleId :
0442-PR-5(PASSAIC)

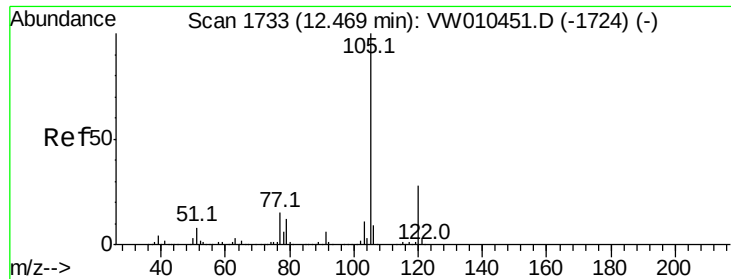
Tot Ion:106 Resp: 149458
Ion Ratio Lower Upper
106 100
91 206.4 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

Tgt Ion:152 Resp: 112080
Ion Ratio Lower Upper
152 100
115 55.8 30.3 91.0
150 146.2 0.0 349.8





#73

Isopropylbenzene

Concen: 6.096 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

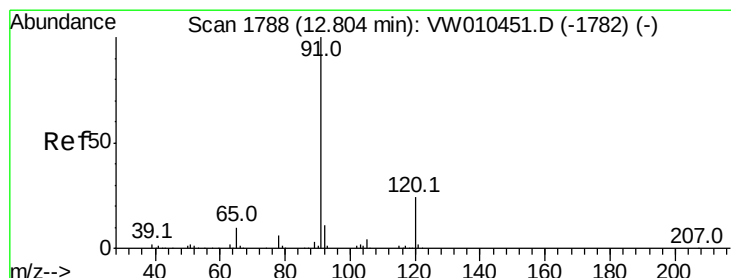
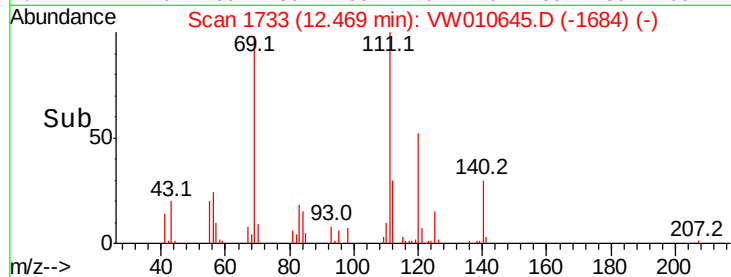
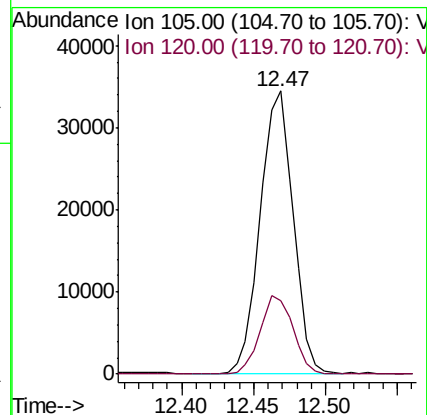
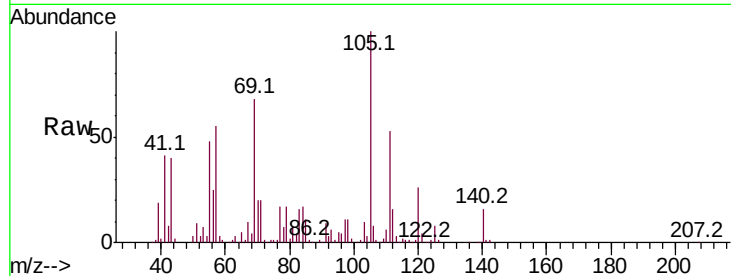
0442-PR-5(PASSAIC)

Tot Ion:105 Resp: 54217

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.7



#78

n-propylbenzene

Concen: 1.611 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010645.D

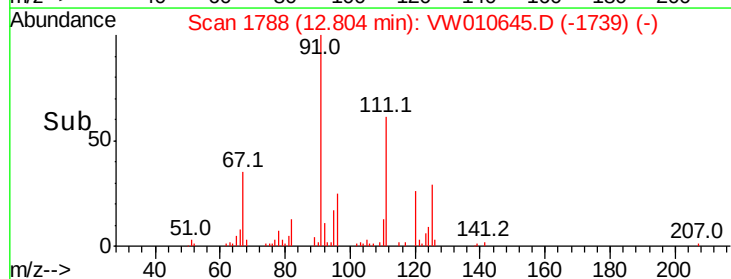
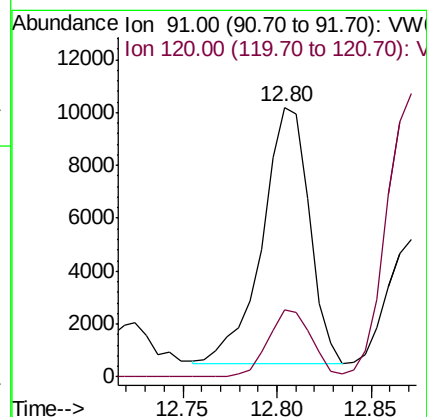
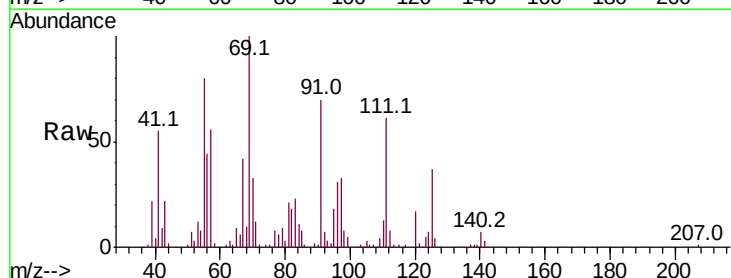
Acq: 31 May 2019 19:09

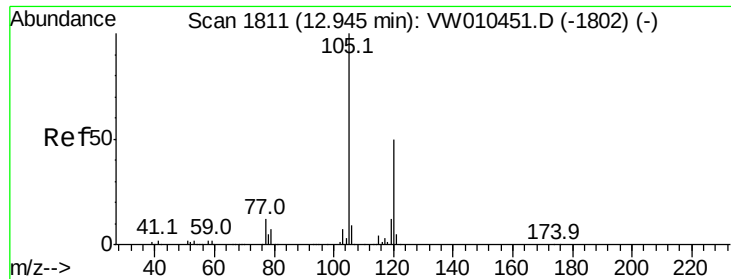
Tgt Ion: 91 Resp: 16699

Ion Ratio Lower Upper

91 100

120 24.4 12.3 36.8

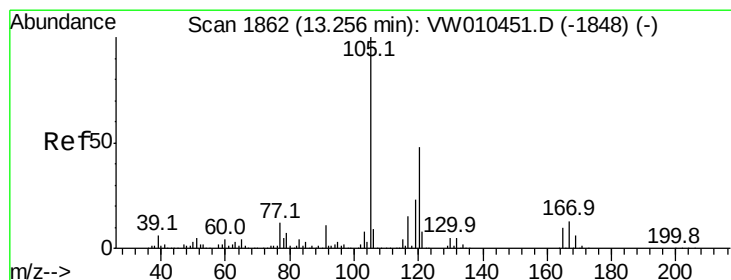
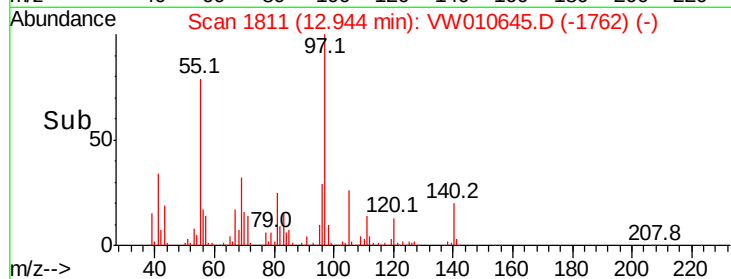
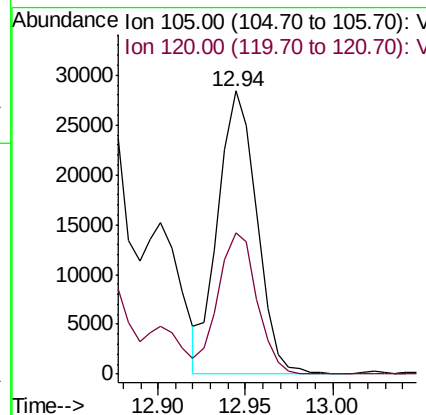
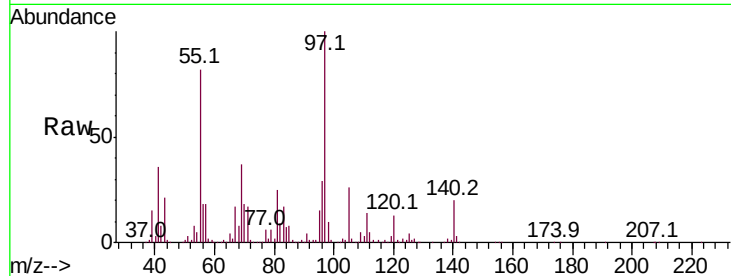




#80
 1,3,5-Trimethylbenzene
 Concen: 5.765 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010645.D
 Acq: 31 May 2019 19:09

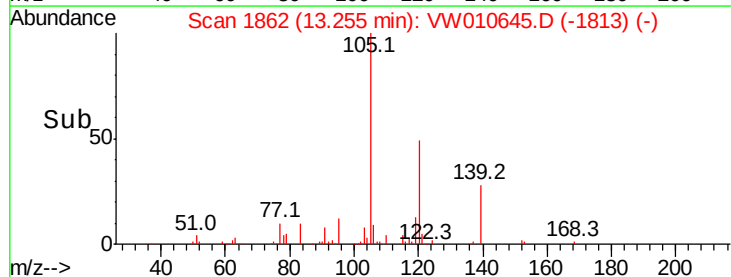
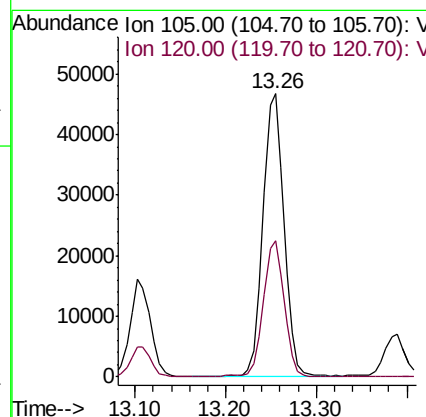
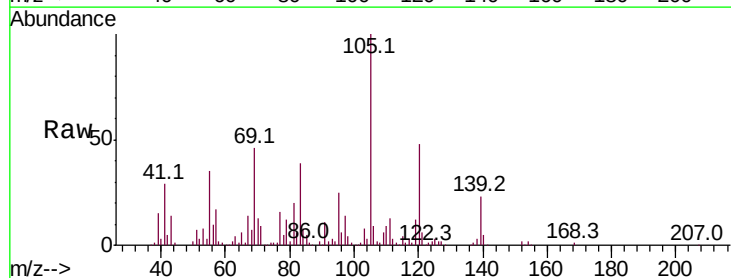
Instrument :
 MSVOA_W
 ClientSampleId :
 0442-PR-5(PASSAIC)

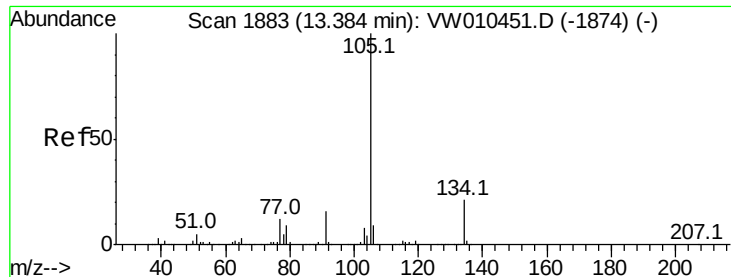
Tot Ion:105 Resp: 43427
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6



#84
 1,2,4-Trimethylbenzene
 Concen: 9.985 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010645.D
 Acq: 31 May 2019 19:09

Tgt Ion:105 Resp: 74911
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.4 70.2





#85

sec-Butylbenzene

Concen: 1.136 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

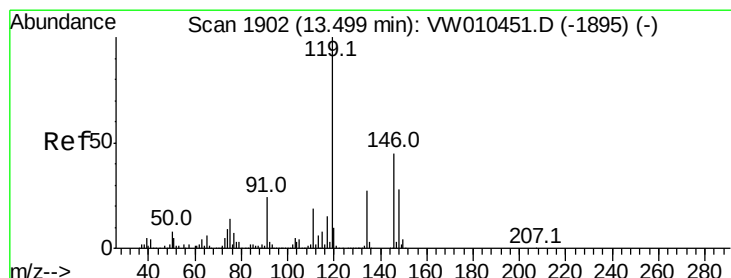
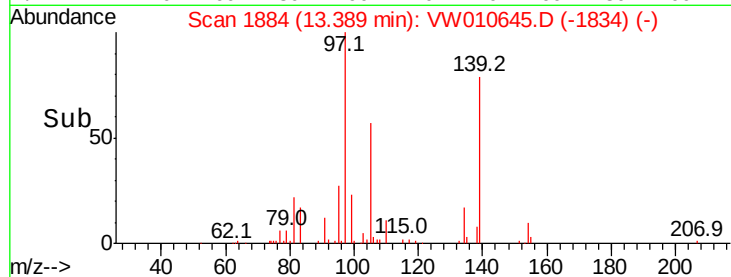
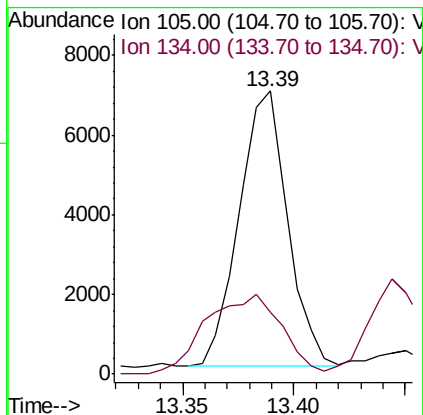
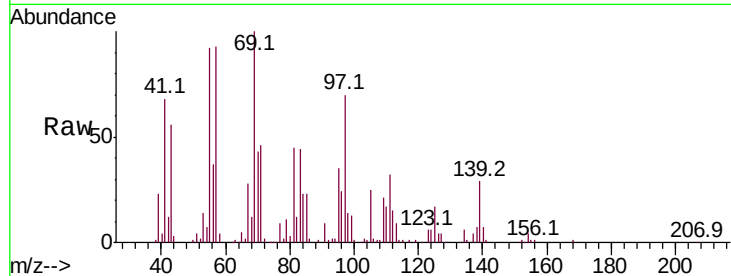
0442-PR-5(PASSAIC)

Tot Ion:105 Resp: 10459

Ion Ratio Lower Upper

105 100

134 45.2 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 2.685 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010645.D

Acq: 31 May 2019 19:09

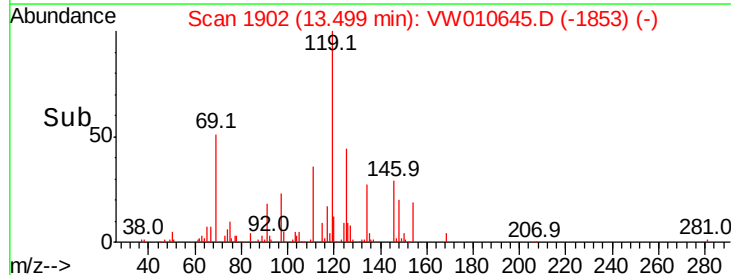
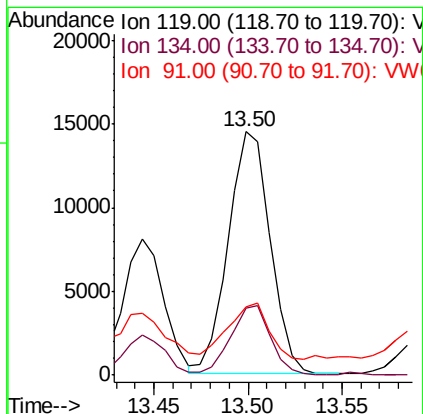
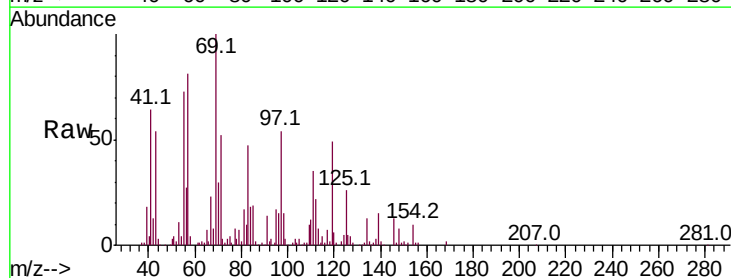
Tgt Ion:119 Resp: 22382

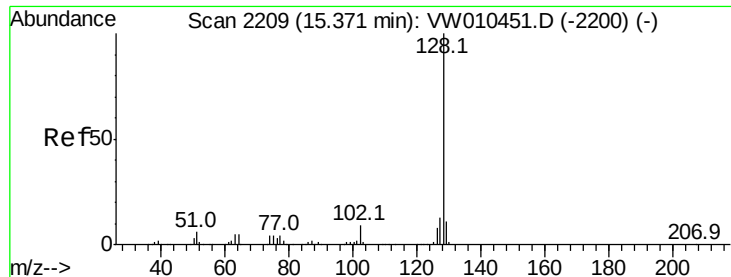
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.1 11.9 35.7

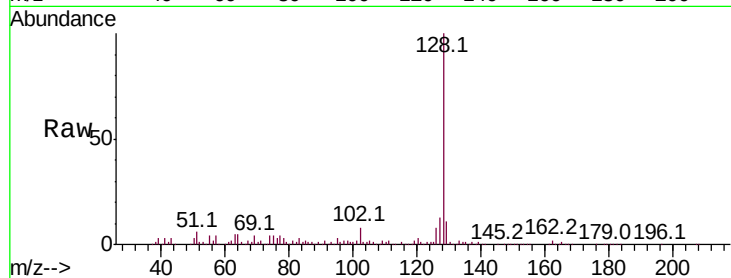




#95
Naphthalene
Concen: 47.437 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010645.D
Acq: 31 May 2019 19:09

Instrument :
MSVOA_W
ClientSampleId :
0442-PR-5(PASSAIC)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.1	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

