

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003470.D
 Acq On : 23 Jun 2018 19:28
 Operator : SY/AP
 Sample : J3664-13
 Misc : 6.07G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-21-23-180619

Quant Time: Jun 25 04:07:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	165911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	978495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	85054	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
35) Dibromofluoromethane	7.88	113	72831	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	
50) Toluene-d8	10.33	98	327308	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.63	95	1599995	638.64	ug/l	0.00
Spiked Amount			Recovery	=	1277.28%	

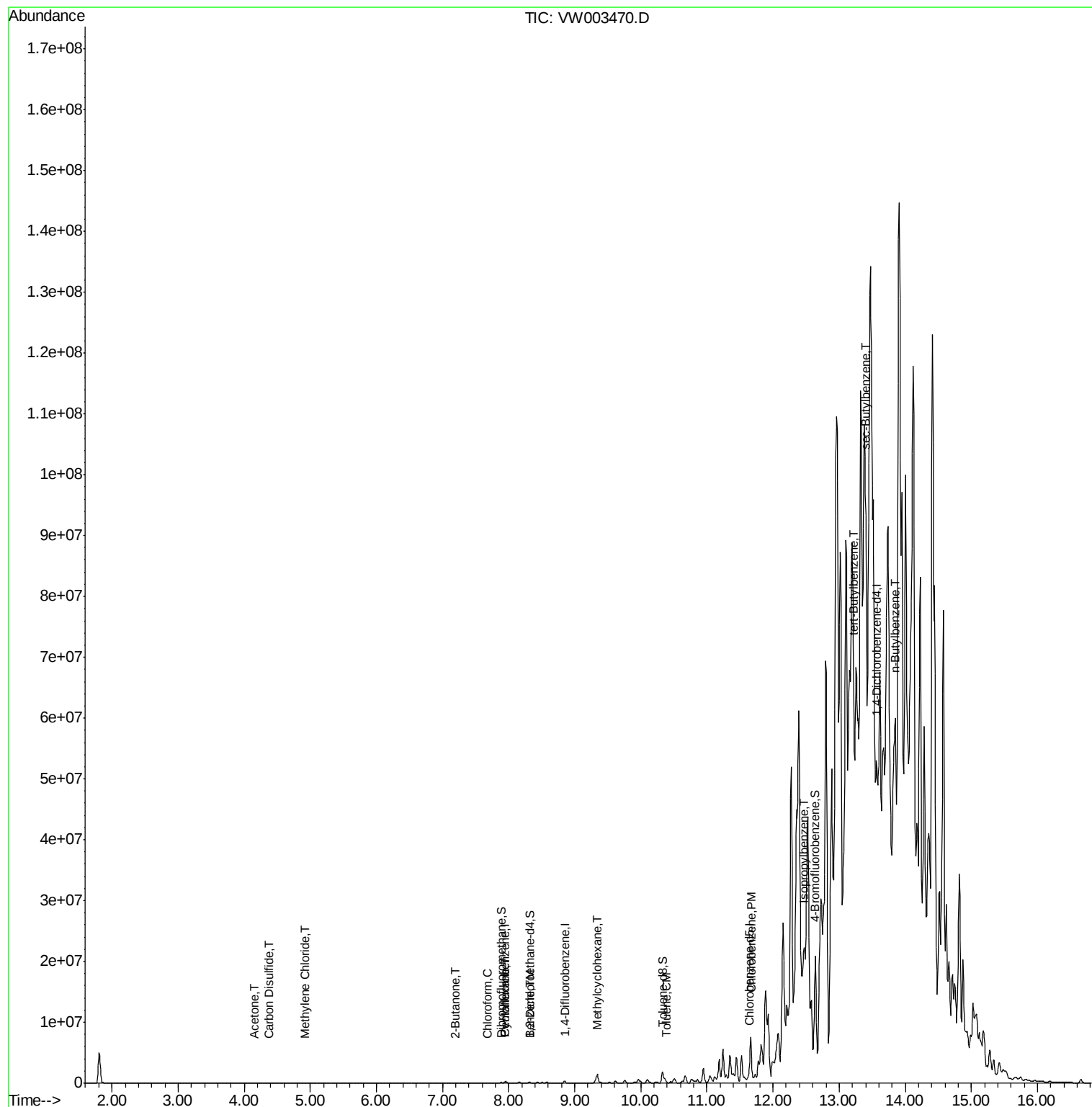
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	62364	165.47	ug/l	97
17) Carbon Disulfide	4.37	76	29052	6.54	ug/l	99
20) Methylene Chloride	4.92	84	8776	1.95	ug/l	87
25) 2-Butanone	7.19	43	15195	32.42	ug/l	94
30) Chloroform	7.68	83	3375	1.07	ug/l	94
31) Cyclohexane	7.95	56	36306	12.50	ug/l #	87
39) Methylcyclohexane	9.34	83	650938	202.74	ug/l	97
40) Benzene	8.33	78	54245	7.09	ug/l	96
52) Toluene	10.39	92	7461	1.52	ug/l	96
65) Chlorobenzene	11.66	112	3373334	729.26	ug/l	99
73) Isopropylbenzene	12.48	105	429114	6.31	ug/l	97
83) tert-Butylbenzene	13.23	119	801780	16.47	ug/l #	60
85) sec-Butylbenzene	13.40	105	12293054	169.88	ug/l #	61
89) n-Butylbenzene	13.85	91	10724907	172.39	ug/l #	85

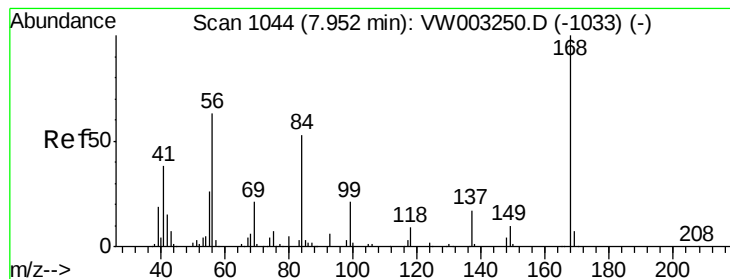
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062318\
Data File : VW003470.D
Acq On : 23 Jun 2018 19:28
Operator : SY/AP
Sample : J3664-13
Misc : 6.07G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-21-23-180619

Quant Time: Jun 25 04:07:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

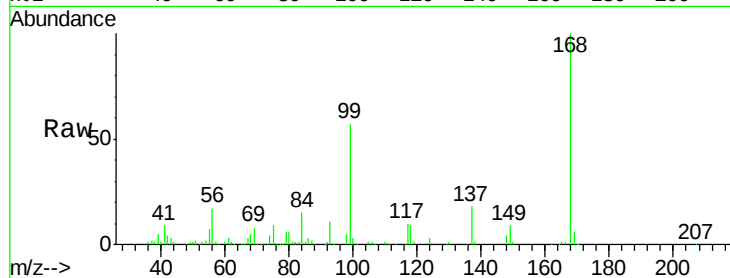
WP021SB485-21-23-180619

Tot Ion:168 Resp: 165911

Ion Ratio Lower Upper

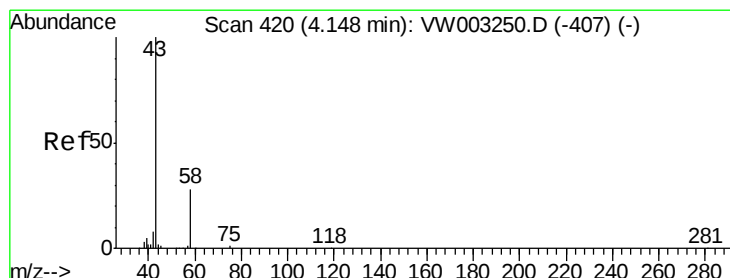
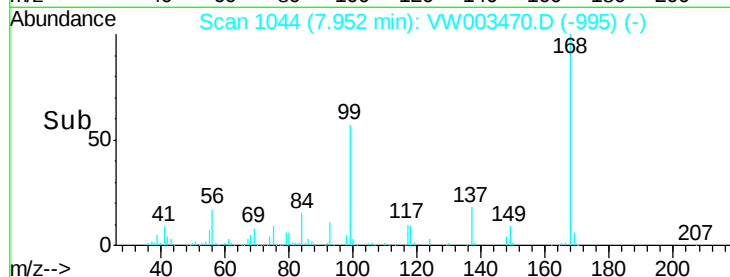
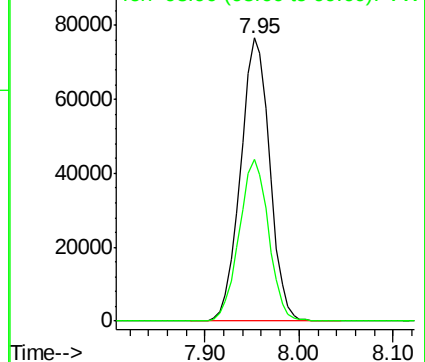
168 100

99 57.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 165.47 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003470.D

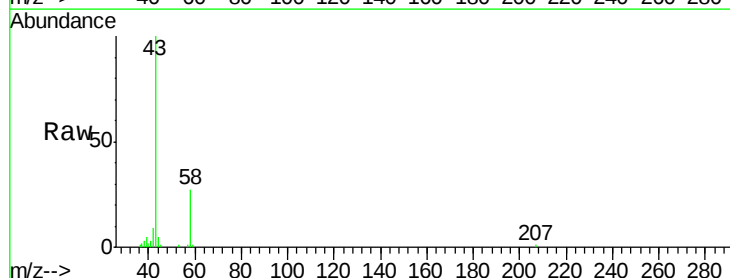
Acq: 23 Jun 2018 19:28

Tgt Ion: 43 Resp: 62364

Ion Ratio Lower Upper

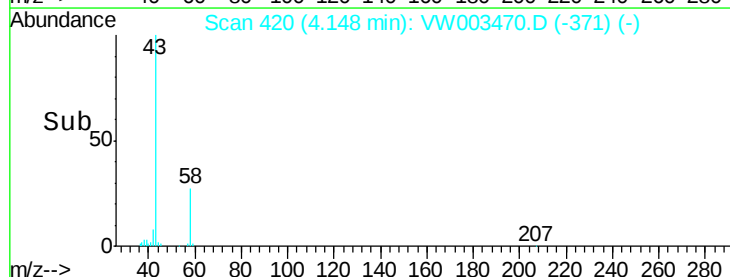
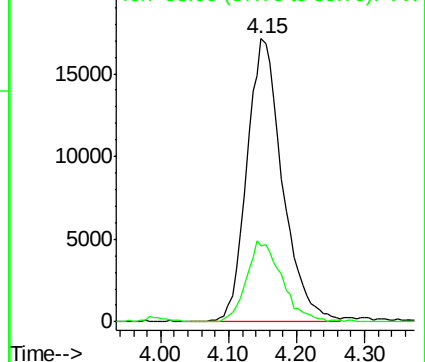
43 100

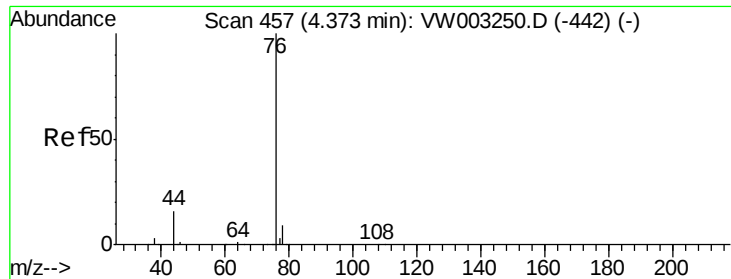
58 26.9 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

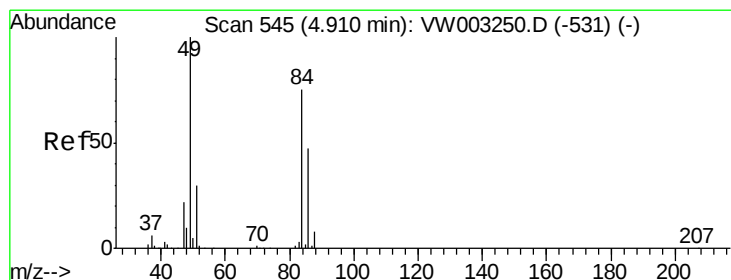
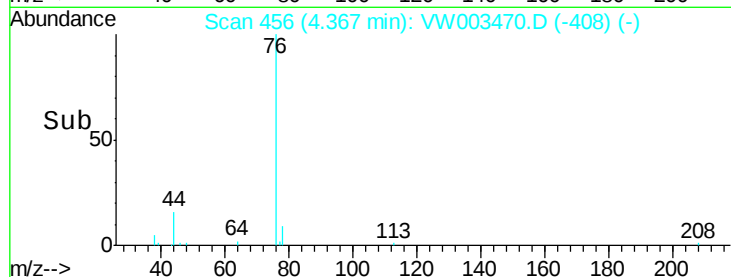
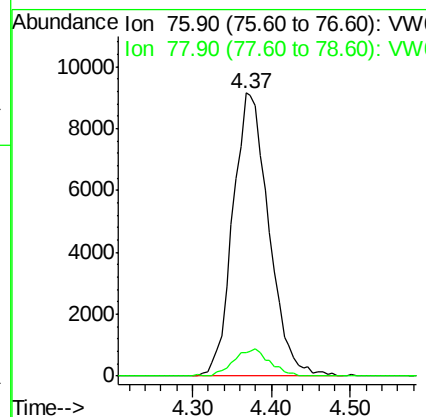
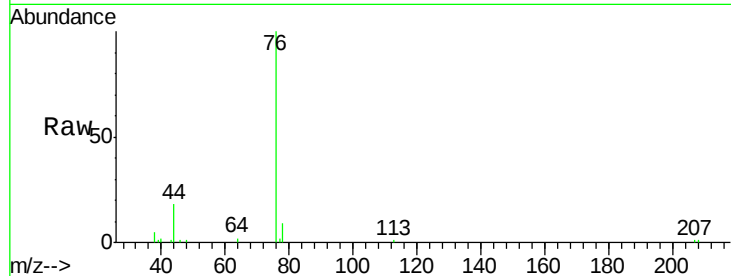




#17
Carbon Disulfide
Concen: 6.54 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

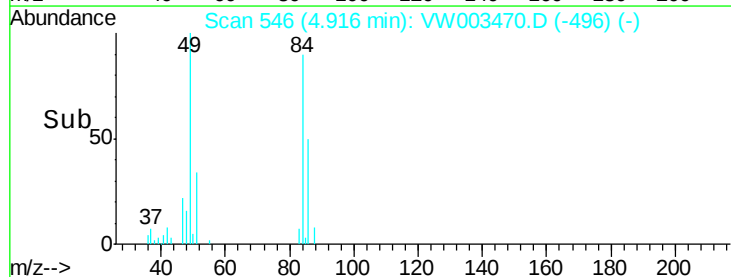
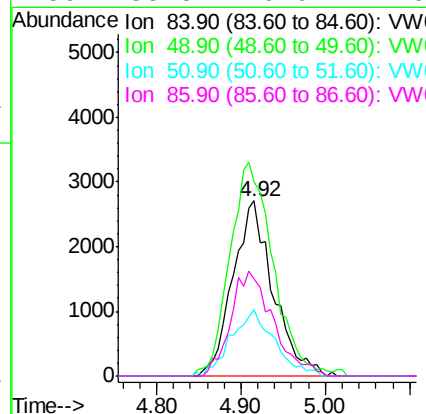
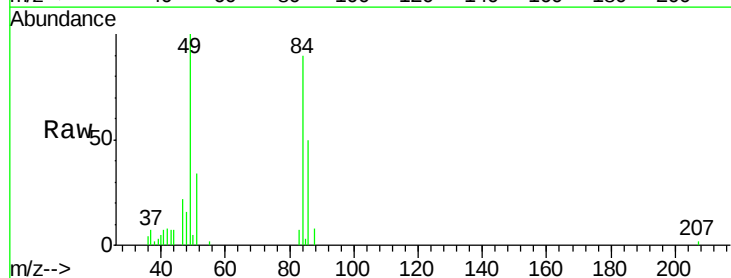
Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-21-23-180619

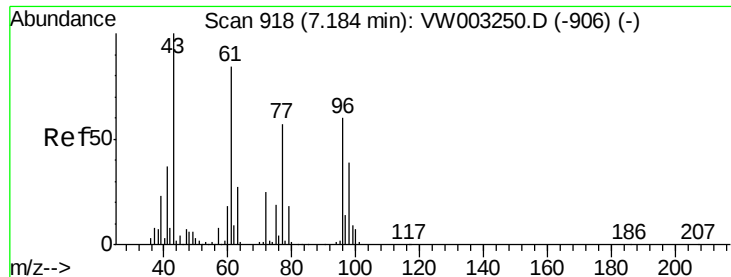
Tot Ion: 76 Resp: 29052
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#20
Methylene Chloride
Concen: 1.95 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

Tgt Ion: 84 Resp: 8776
Ion Ratio Lower Upper
84 100
49 111.3 106.3 159.5
51 37.9 32.0 48.0
86 55.8 49.9 74.9





#25

2-Butanone

Concen: 32.42 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

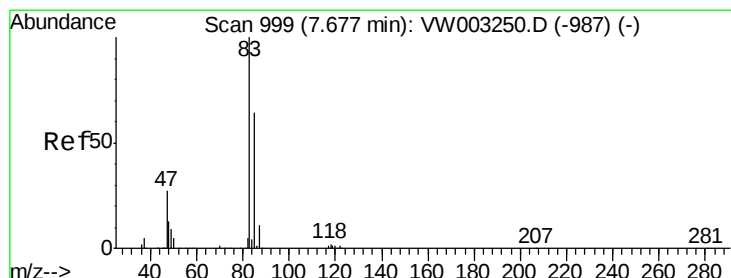
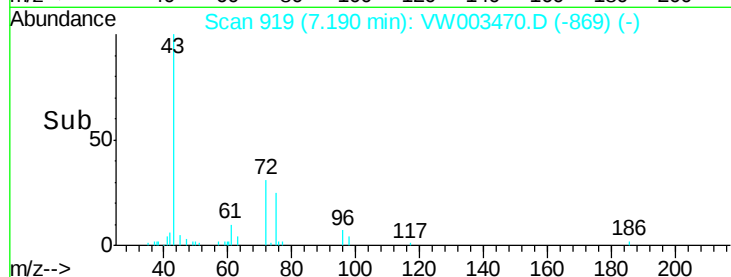
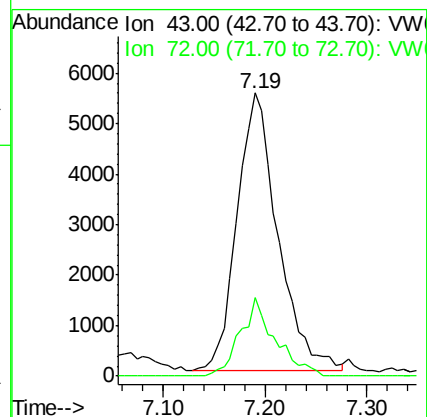
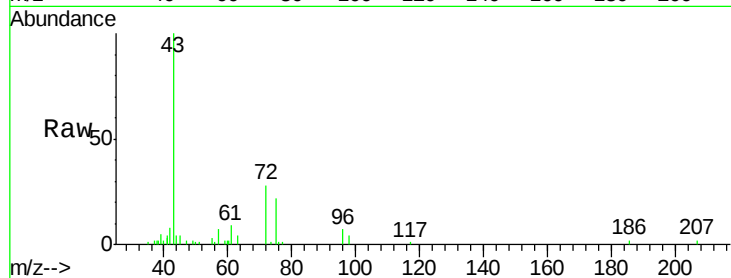
WP021SB485-21-23-180619

Tot Ion: 43 Resp: 15195

Ion Ratio Lower Upper

43 100

72 28.5 20.3 30.5



#30

Chloroform

Concen: 1.07 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VW003470.D

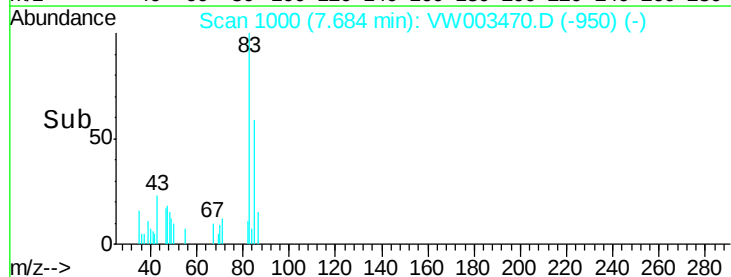
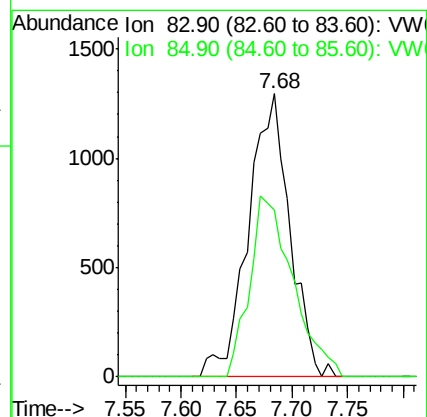
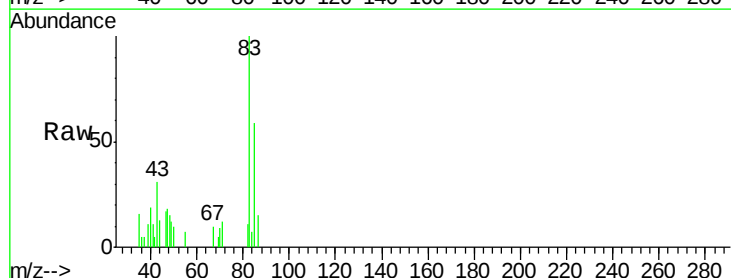
Acq: 23 Jun 2018 19:28

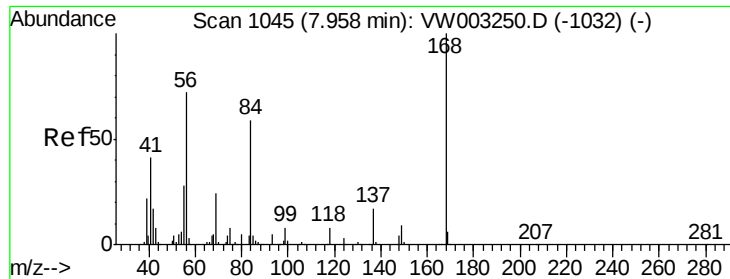
Tgt Ion: 83 Resp: 3375

Ion Ratio Lower Upper

83 100

85 59.1 51.3 76.9





#31

Cyclohexane

Concen: 12.50 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-21-23-180619

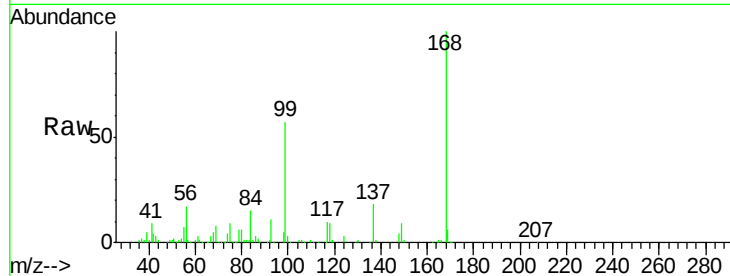
Tot Ion: 56 Resp: 36306

Ion Ratio Lower Upper

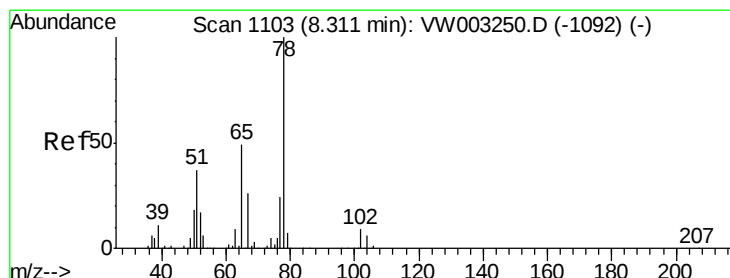
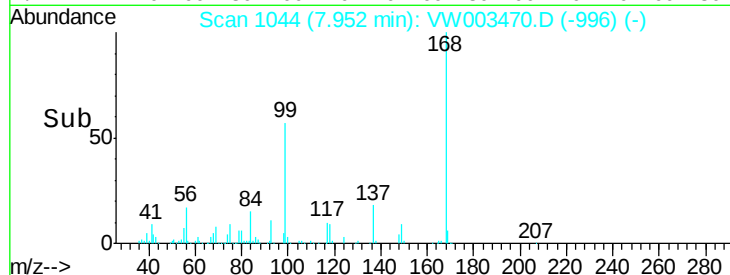
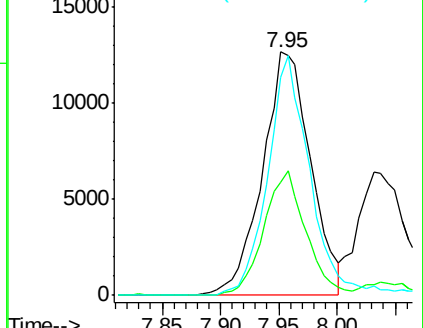
56 100

69 46.4 26.3 39.5#

84 89.7 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 47.33 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003470.D

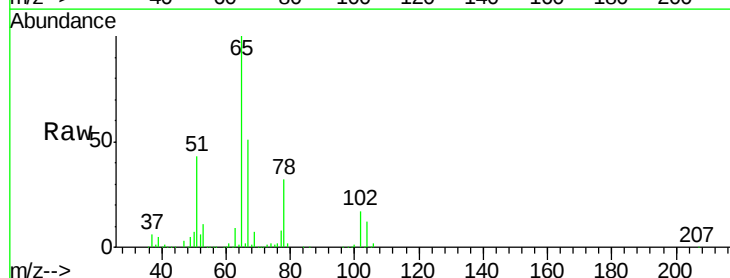
Acq: 23 Jun 2018 19:28

Tgt Ion: 65 Resp: 85054

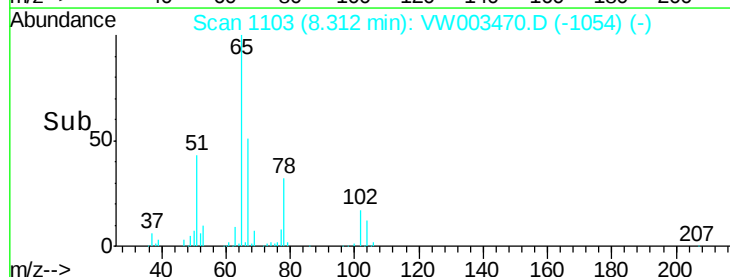
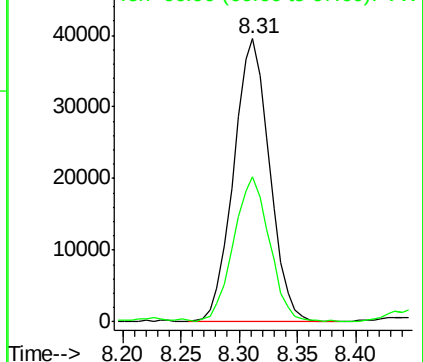
Ion Ratio Lower Upper

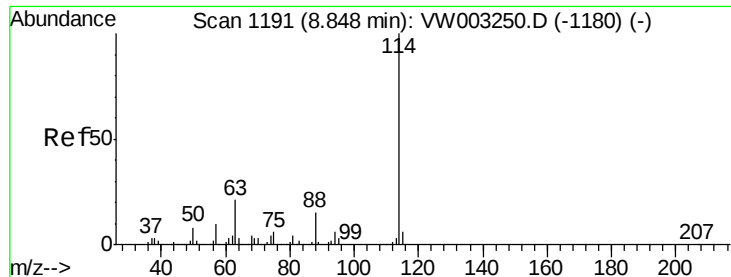
65 100

67 51.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

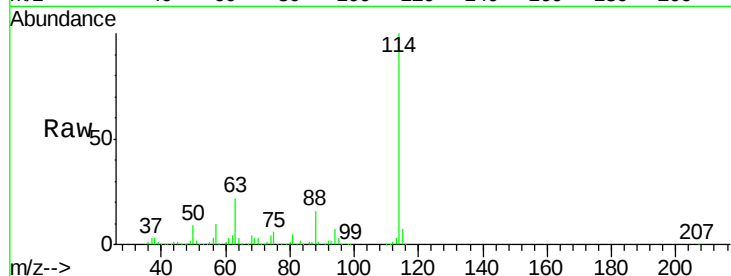




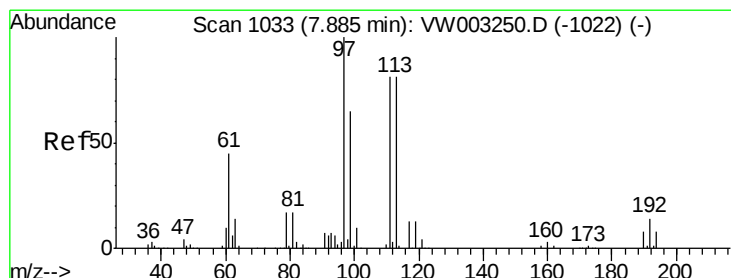
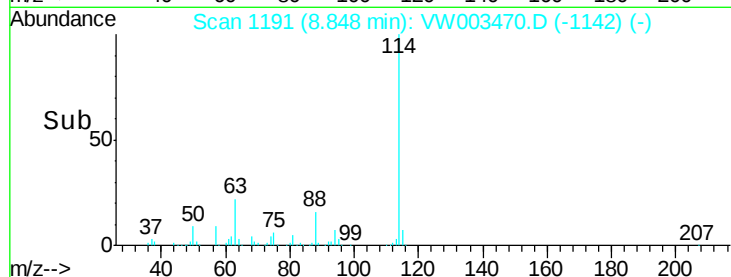
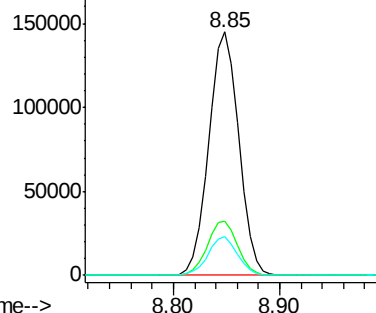
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003470.D
 Acq: 23 Jun 2018 19:28

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-21-23-180619

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.0
88	15.8	0.0	29.6

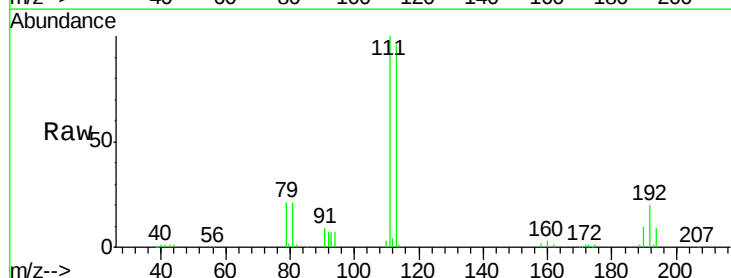


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

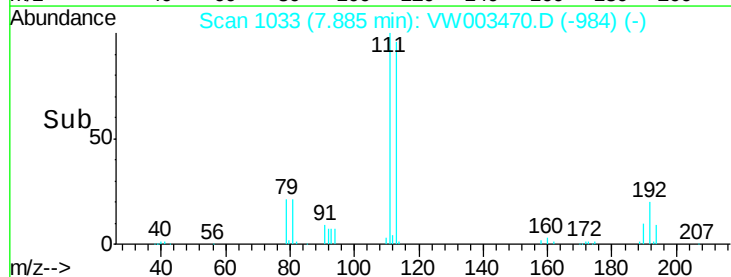
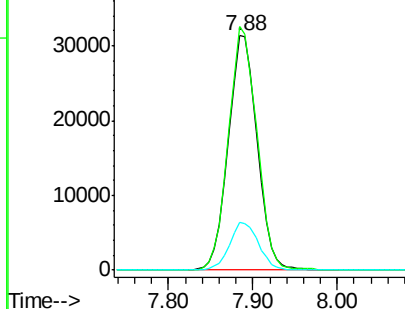


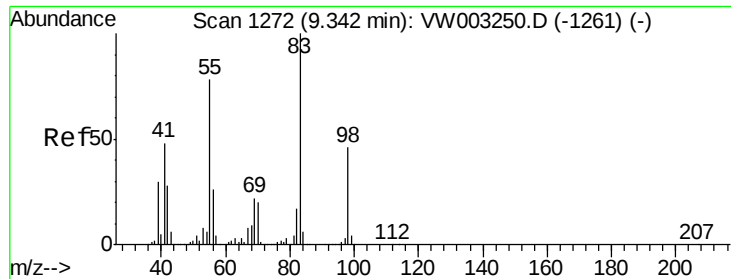
#35
 Dibromofluoromethane
 Concen: 40.79 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003470.D
 Acq: 23 Jun 2018 19:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.2
192	20.3	16.2	24.2



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

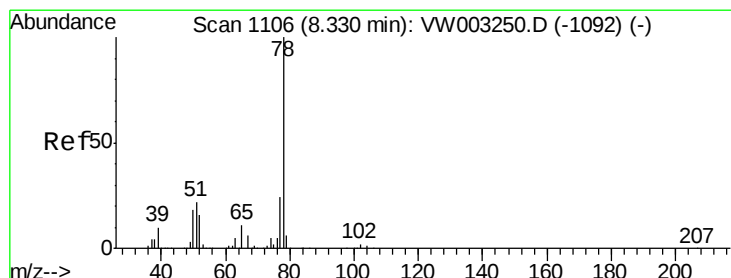
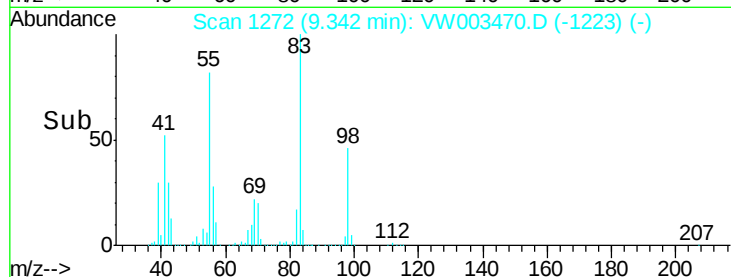
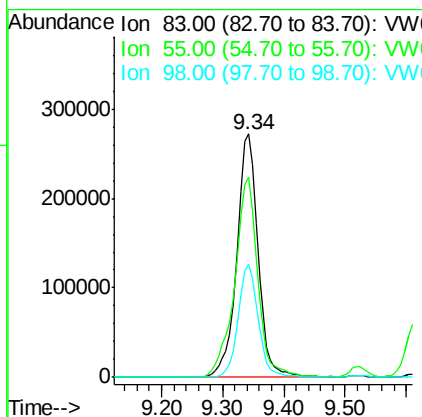
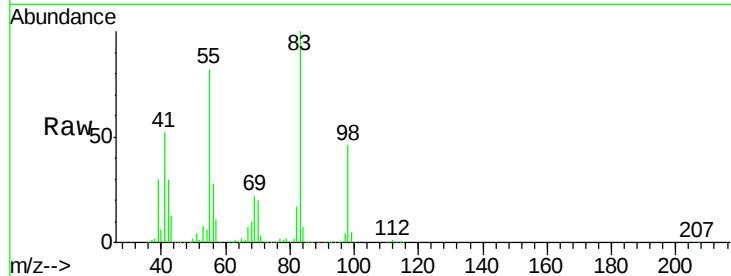




#39
Methvlcvclohexane
Concen: 202.74 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

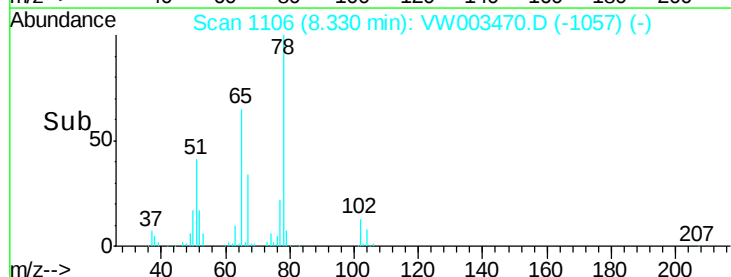
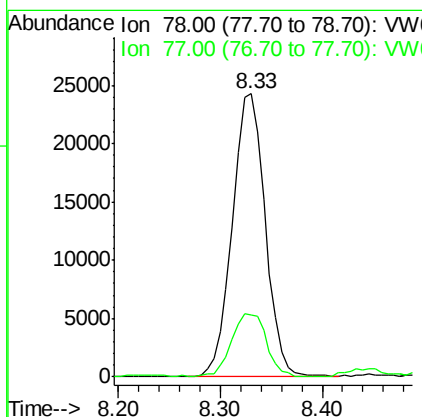
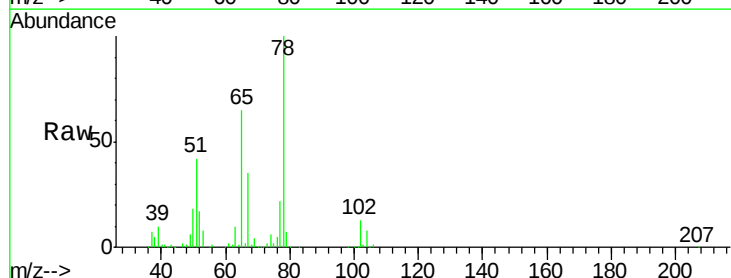
Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-21-23-180619

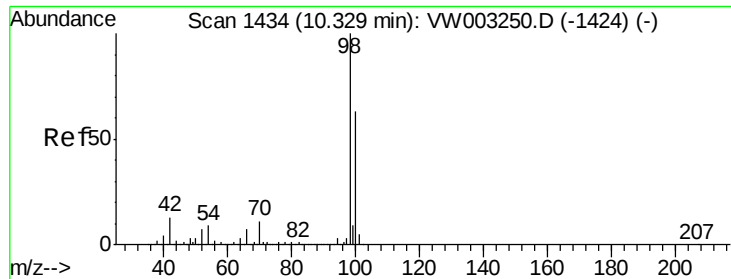
Tot Ion	83	Resp	650938
Ion Ratio	Lower	Upper	
83	100		
55	82.2	62.6	93.8
98	46.2	37.0	55.4



#40
Benzene
Concen: 7.09 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

Tgt Ion	78	Resp	54245
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.0	28.6

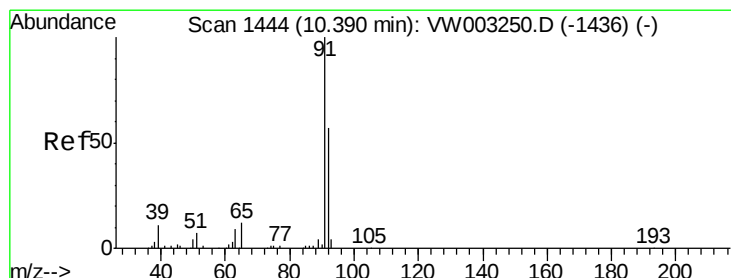
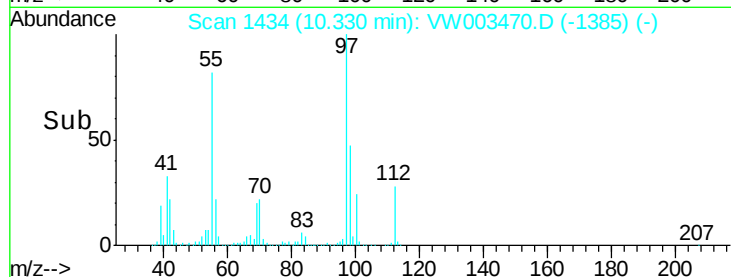
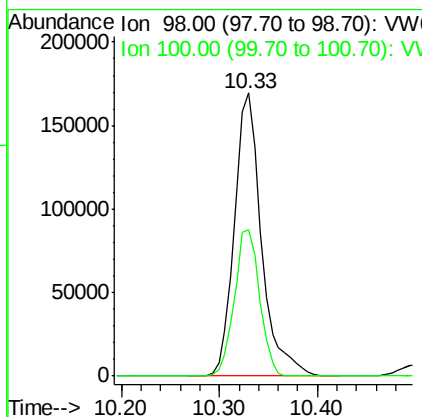
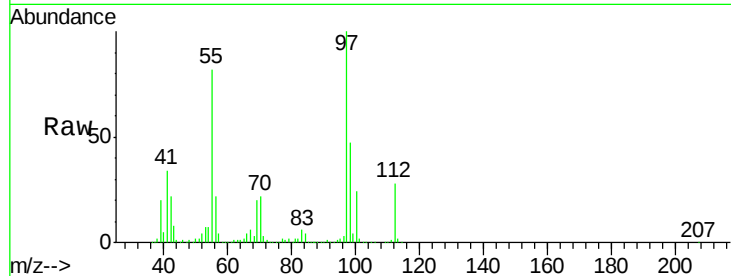




#50
Toluene-d8
Concen: 46.23 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

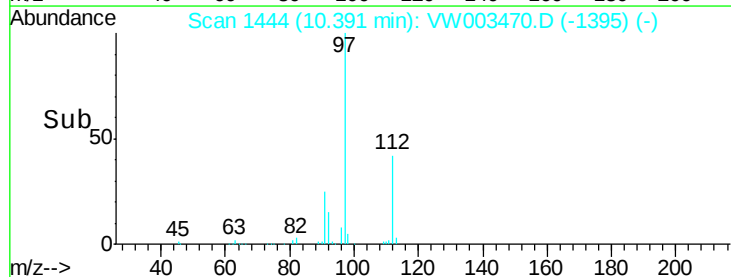
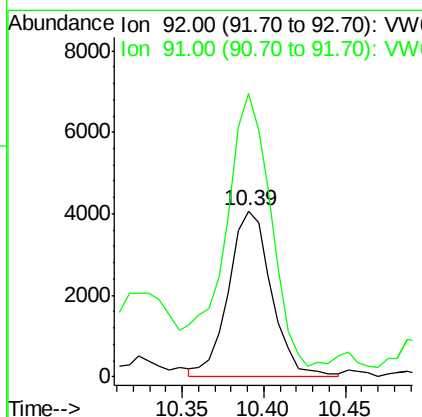
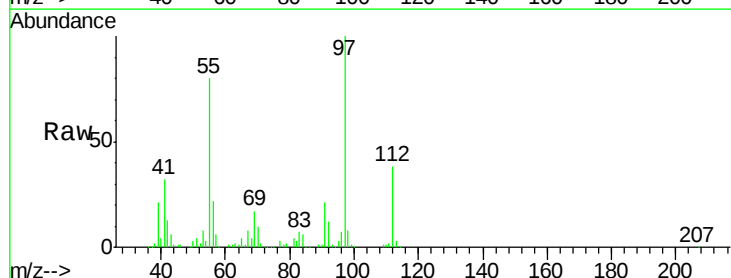
Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-21-23-180619

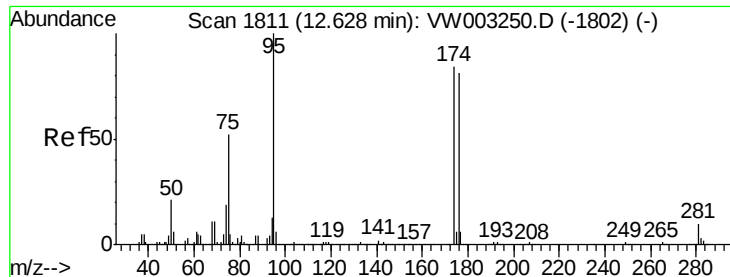
Tot Ion: 98 Resp: 327308
Ion Ratio Lower Upper
98 100
100 47.9 50.8 76.2#



#52
Toluene
Concen: 1.52 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

Tgt Ion: 92 Resp: 7461
Ion Ratio Lower Upper
92 100
91 171.1 141.1 211.7





#62

4-Bromofluorobenzene

Concen: 638.64 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

WP021SB485-21-23-180619

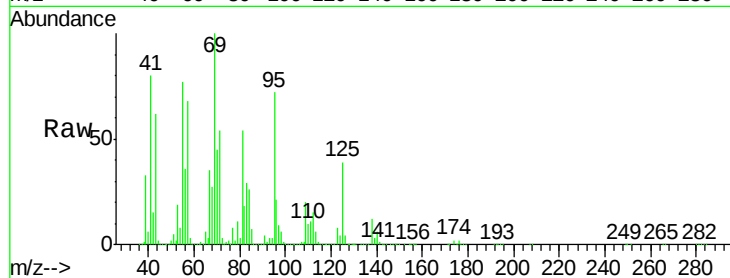
Tot Ion: 95 Resp: 1599995

Ion Ratio Lower Upper

95 100

174 3.3 0.0 166.4

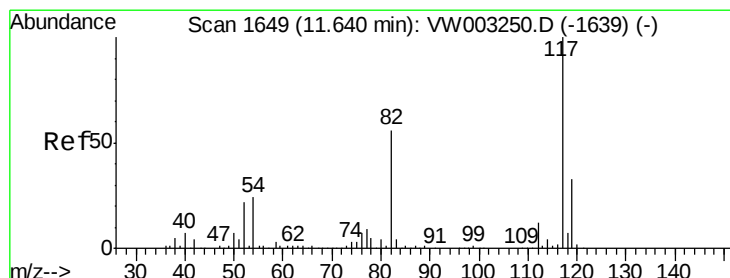
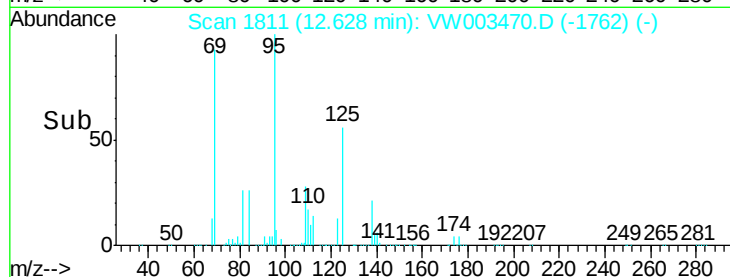
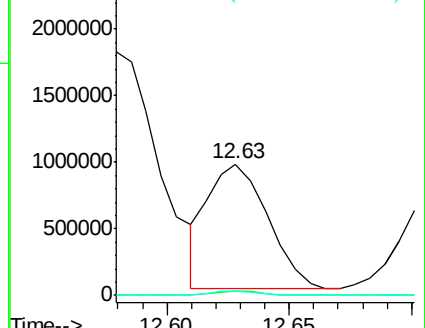
176 3.2 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

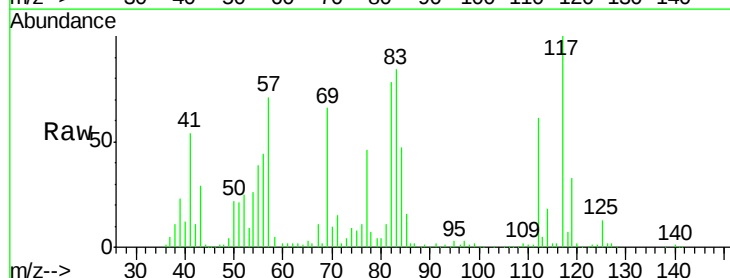
Tgt Ion: 117 Resp: 222132

Ion Ratio Lower Upper

117 100

82 51.2 44.6 67.0

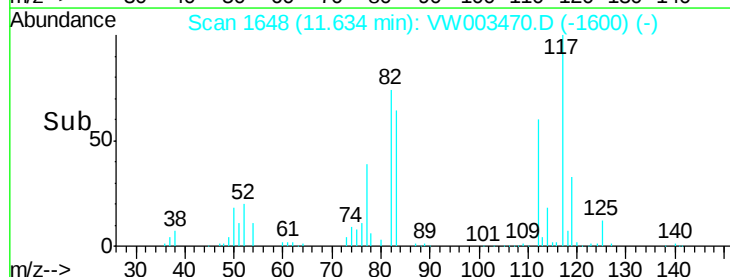
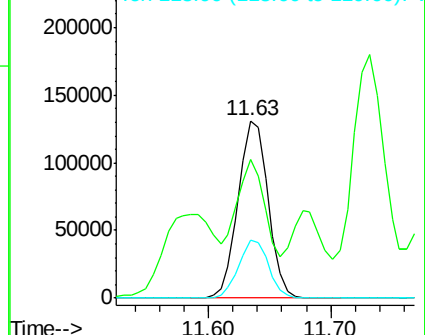
119 32.6 26.7 40.1

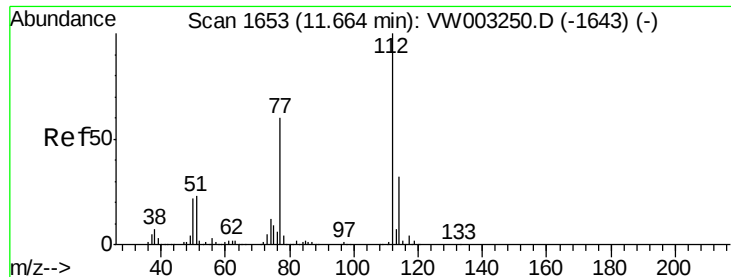


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

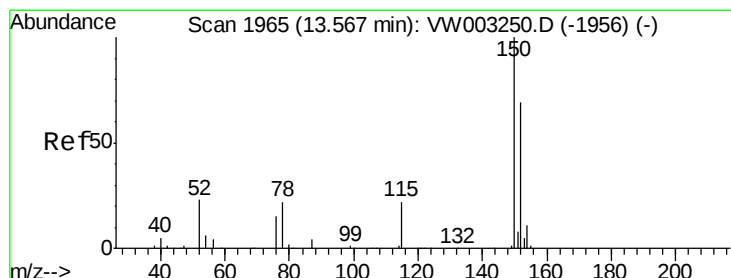
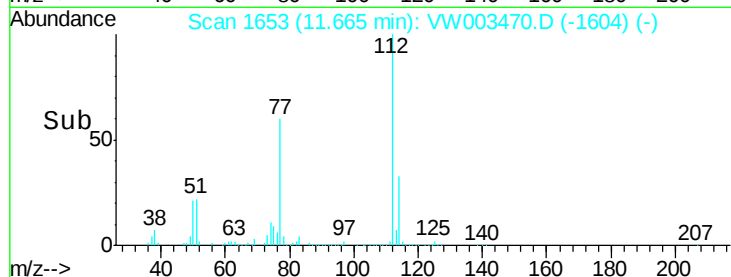
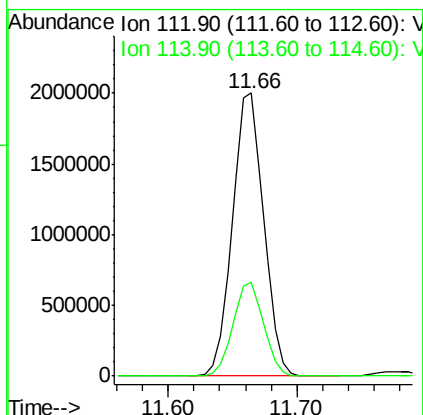
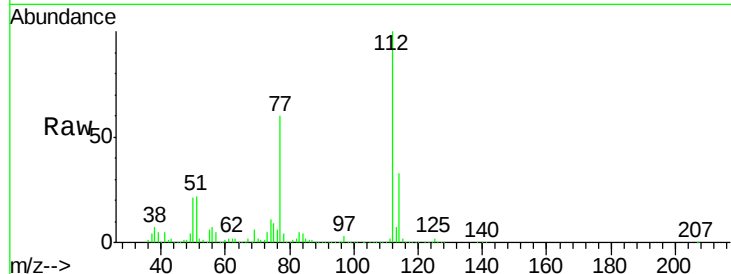




#65
Chlorobenzene
Concen: 729.26 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

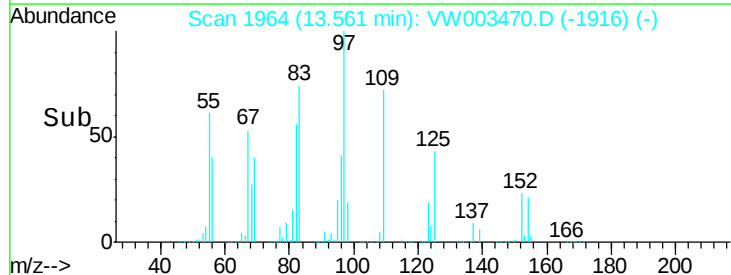
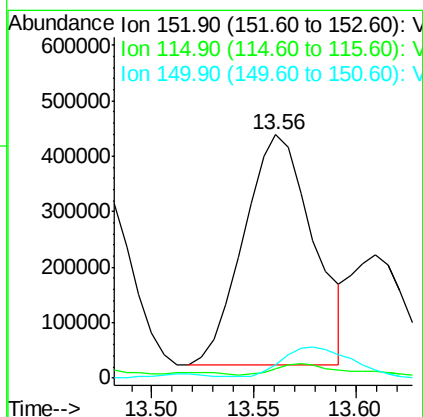
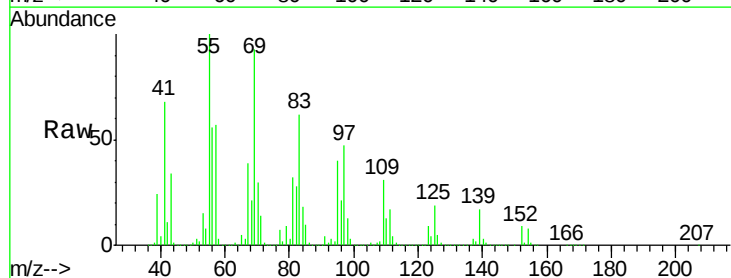
Instrument :
MSVOA_W
ClientSampleId :
WP021SB485-21-23-180619

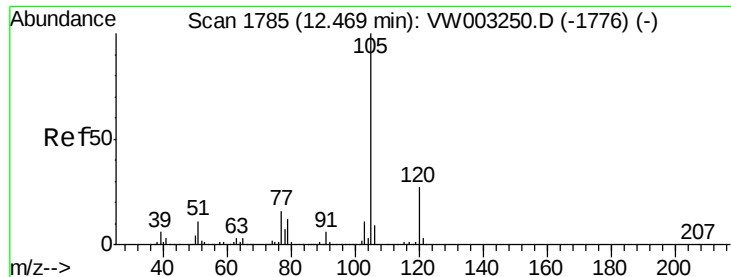
Tot Ion:112 Resp: 3373334
Ion Ratio Lower Upper
112 100
114 33.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.56 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VW003470.D
Acq: 23 Jun 2018 19:28

Tgt Ion:152 Resp: 978495
Ion Ratio Lower Upper
152 100
115 5.2 29.3 88.0#
150 13.1 0.0 349.6





#73

Isopropylbenzene

Concen: 6.31 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

Instrument :

MSVOA_W

ClientSampleId :

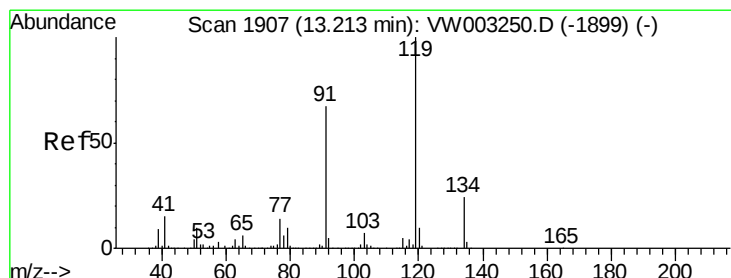
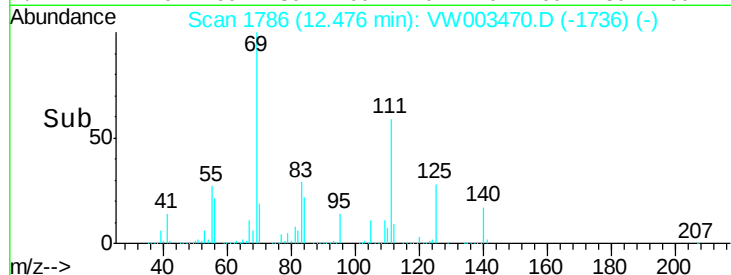
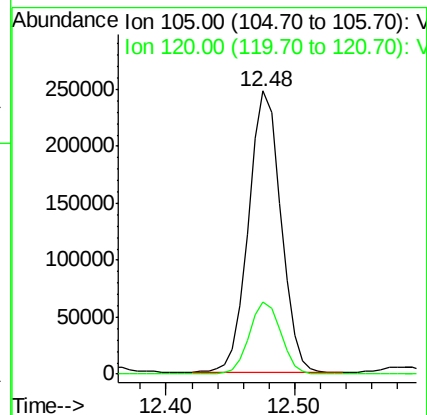
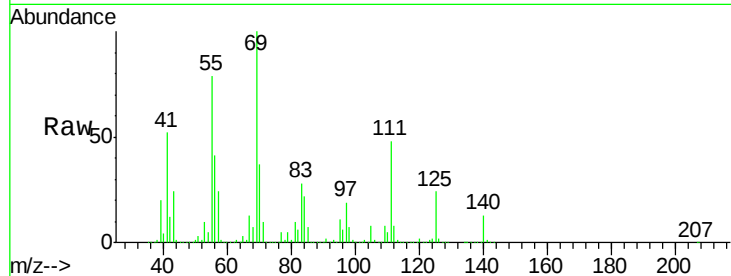
WP021SB485-21-23-180619

Tot Ion:105 Resp: 429114

Ion Ratio Lower Upper

105 100

120 24.9 13.2 39.6



#83

tert-Butylbenzene

Concen: 16.47 ug/l

RT: 13.23 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VW003470.D

Acq: 23 Jun 2018 19:28

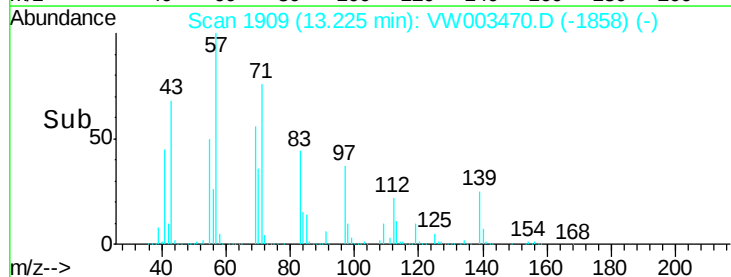
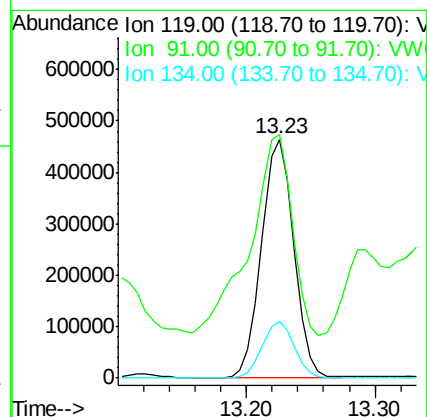
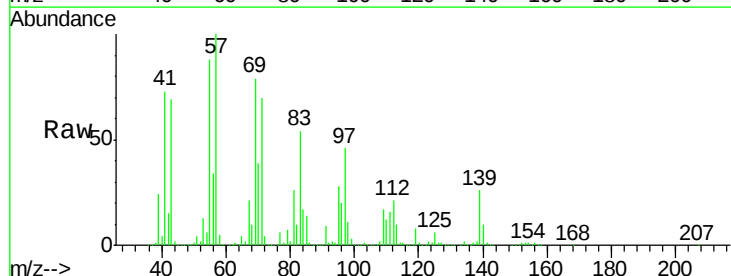
Tgt Ion:119 Resp: 801780

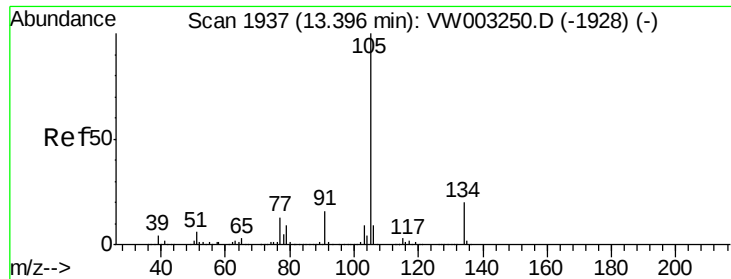
Ion Ratio Lower Upper

119 100

91 111.1 33.9 101.7#

134 23.5 13.4 40.1

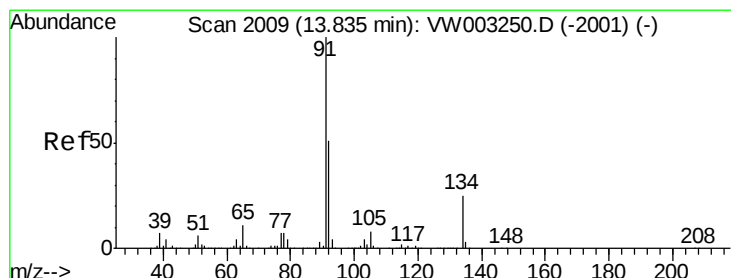
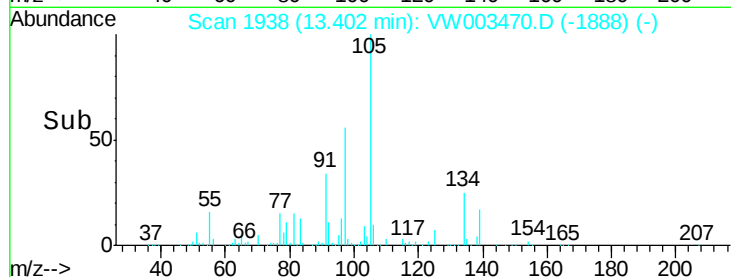
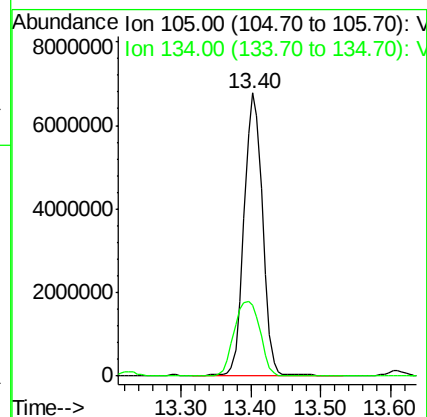
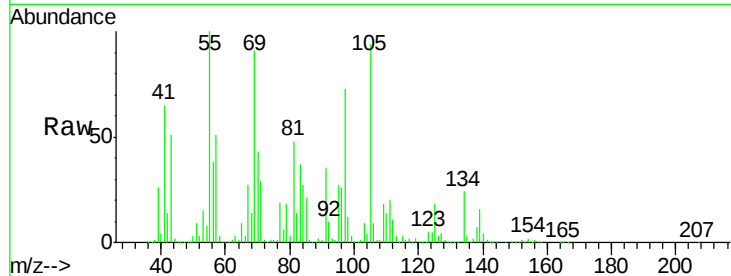




#85
 sec-Butylbenzene
 Concen: 169.88 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.01 min
 Lab File: VW003470.D
 Acq: 23 Jun 2018 19:28

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB485-21-23-180619

Tot Ion:105 Resp:12293054
 Ion Ratio Lower Upper
 105 100
 134 37.4 9.8 29.5#



#89
 n-Butylbenzene
 Concen: 172.39 ug/l
 RT: 13.85 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: VW003470.D
 Acq: 23 Jun 2018 19:28

Tgt Ion: 91 Resp:10724907
 Ion Ratio Lower Upper
 91 100
 92 49.1 26.0 78.0
 134 43.6 12.7 38.0#

