

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083018\
 Data File : VW005023.D
 Acq On : 30 Aug 2018 17:15
 Operator : SY/AP
 Sample : J4648-02
 Misc : 6.45G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-@-8-FT

Quant Time: Aug 31 02:35:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:51:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	331893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	470043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	71949	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	133195	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	
35) Dibromofluoromethane	7.89	113	114025	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.33	98	444068	34.72	ug/l	0.00
Spiked Amount			Recovery	=	69.44%	
62) 4-Bromofluorobenzene	12.62	95	87036	18.67	ug/l	0.00
Spiked Amount			Recovery	=	37.34%	

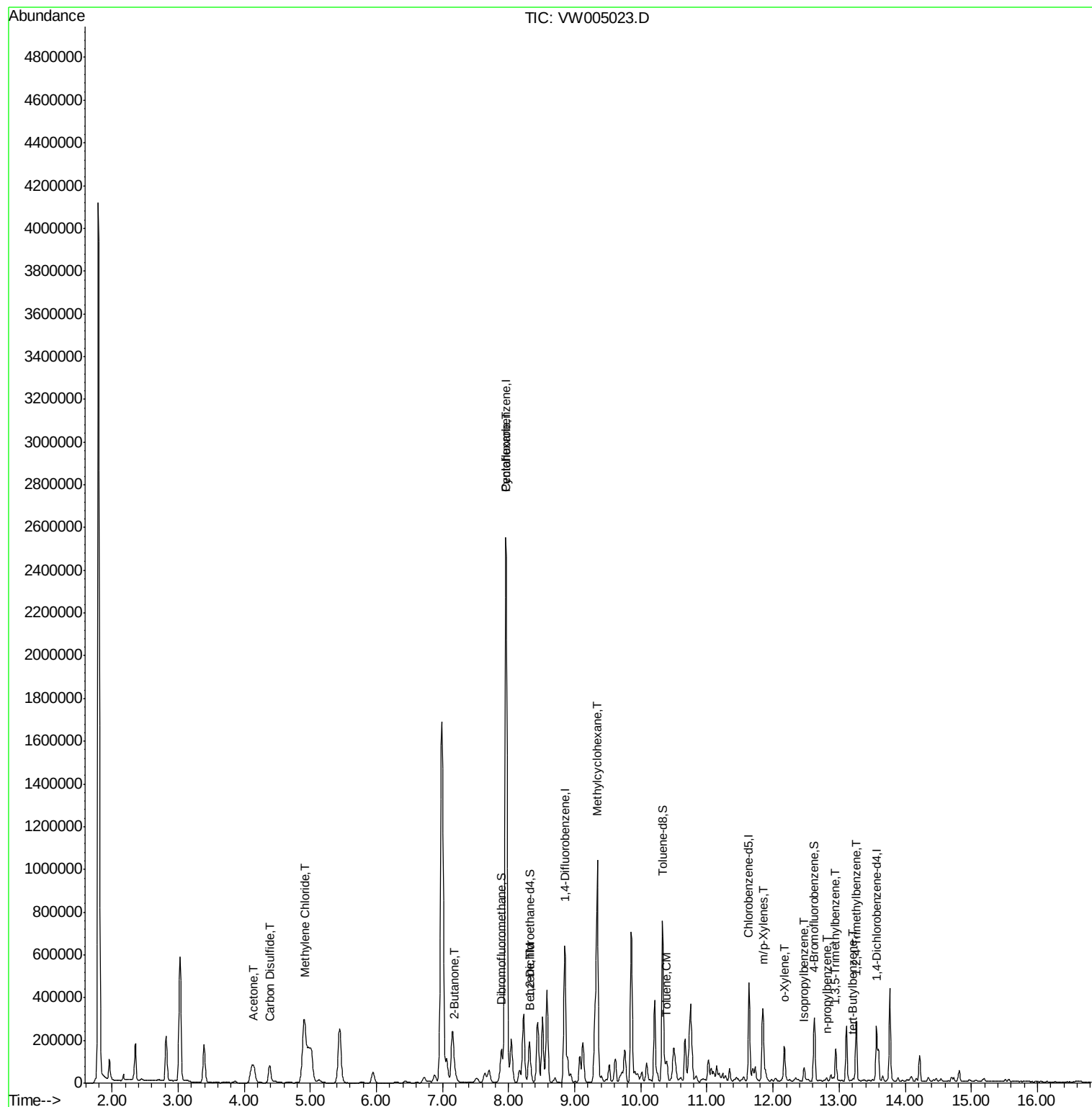
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	158467	309.52	ug/l	96
17) Carbon Disulfide	4.39	76	173769	17.06	ug/l	96
20) Methylene Chloride	4.92	84	74079	17.45	ug/l	94
25) 2-Butanone	7.19	43	57305	71.78	ug/l	89
31) Cyclohexane	7.96	56	1276236	261.25	ug/l	98
39) Methylcyclohexane	9.34	83	483041	87.98	ug/l	98
40) Benzene	8.34	78	22861	1.79	ug/l	94
52) Toluene	10.39	92	28910	3.06	ug/l	97
68) m/p-Xylenes	11.85	106	115485	27.42	ug/l	99
69) o-Xylene	12.17	106	45715	11.88	ug/l	99
73) Isopropylbenzene	12.47	105	40970	8.54	ug/l	100
78) n-propylbenzene	12.81	91	13345	2.26	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	58458	13.80	ug/l	98
83) tert-Butylbenzene	13.21	119	5797	1.63	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	161506	37.56	ug/l	99

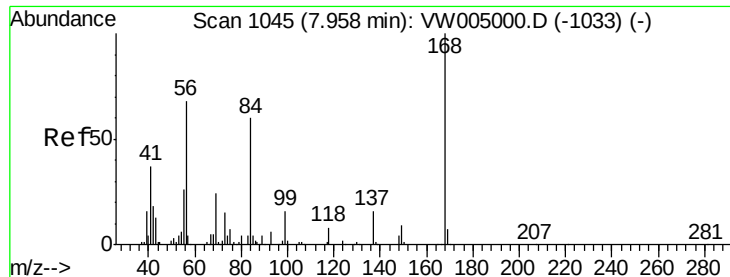
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

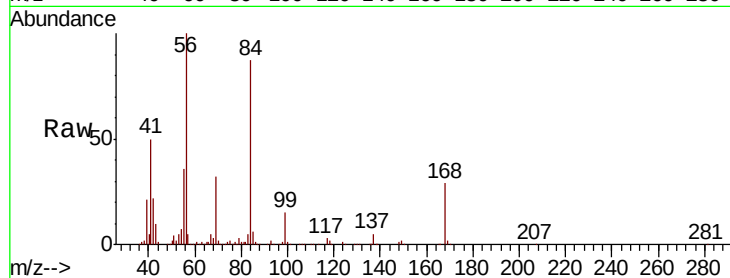
SB-1-@-8-FT

Tot Ion:168 Resp: 331893

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

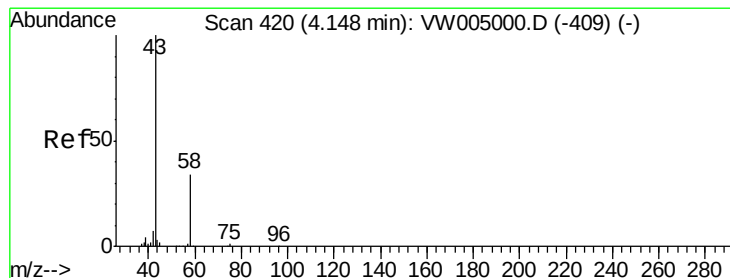
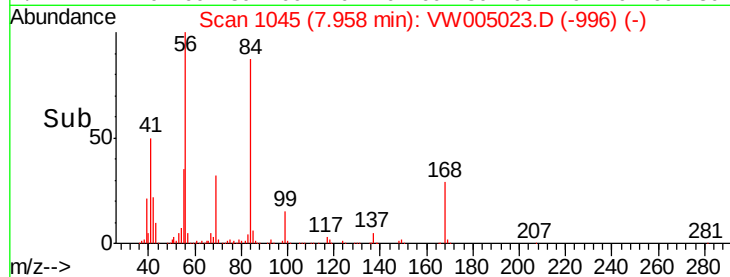
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 309.52 ug/l

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VW005023.D

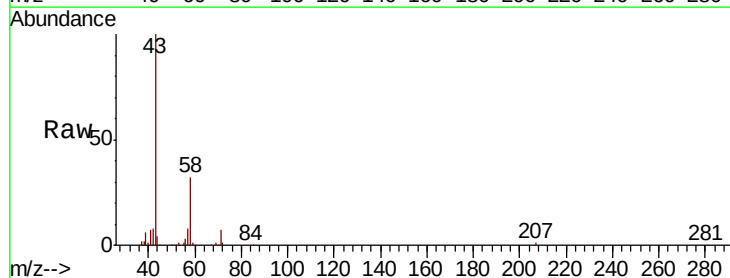
Acq: 30 Aug 2018 17:15

Tgt Ion: 43 Resp: 158467

Ion Ratio Lower Upper

43 100

58 32.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

50000

40000

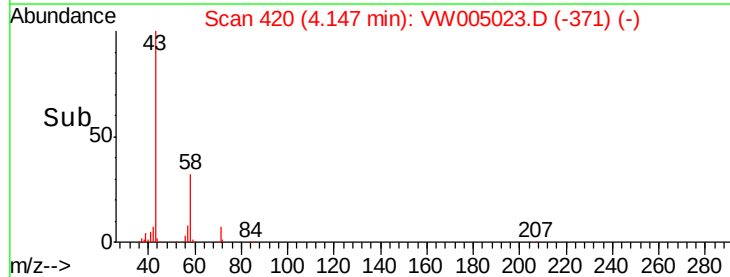
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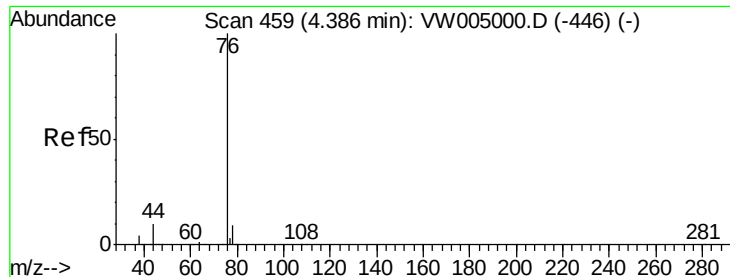
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 17.06 ug/l

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

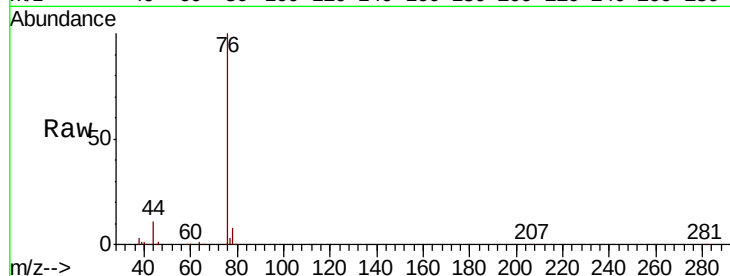
SB-1-@-8-FT

Tot Ion: 76 Resp: 173769

Ion Ratio Lower Upper

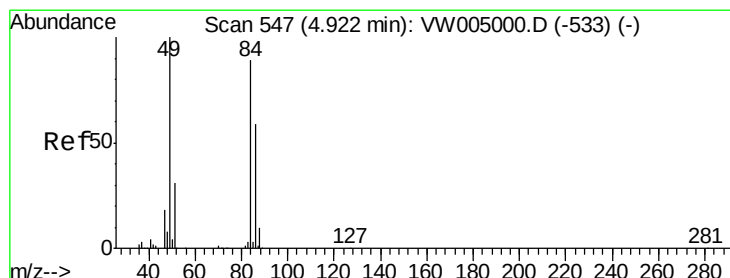
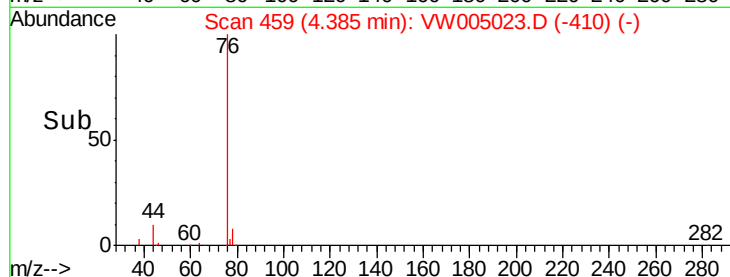
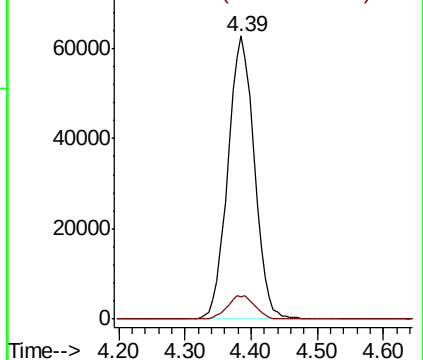
76 100

78 7.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 17.45 ug/l

RT: 4.92 min Scan# 547

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Tgt Ion: 84 Resp: 74079

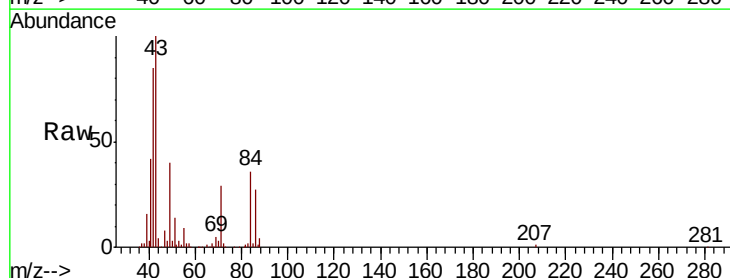
Ion Ratio Lower Upper

84 100

49 110.2 89.7 134.5

51 38.1 27.5 41.3

86 74.9 52.7 79.1

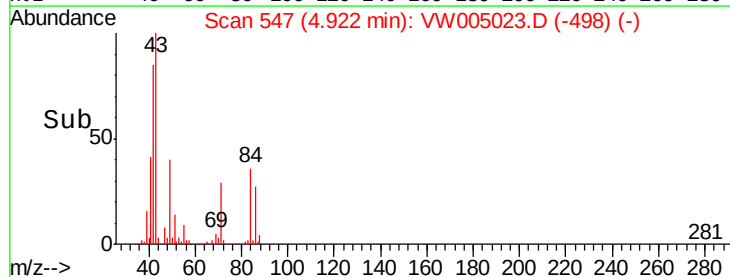
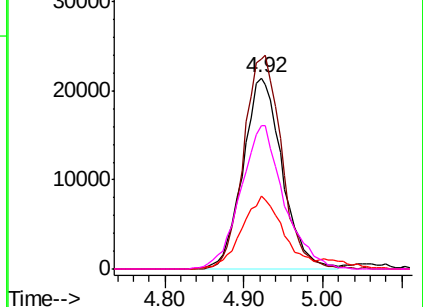


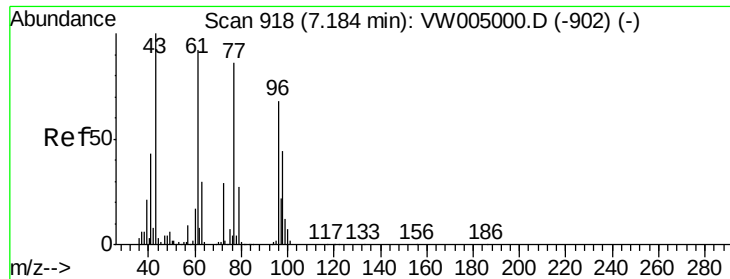
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 71.78 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

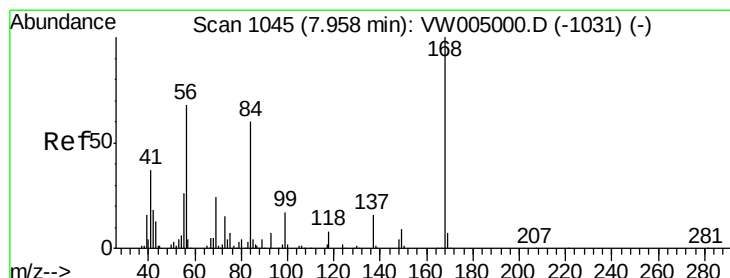
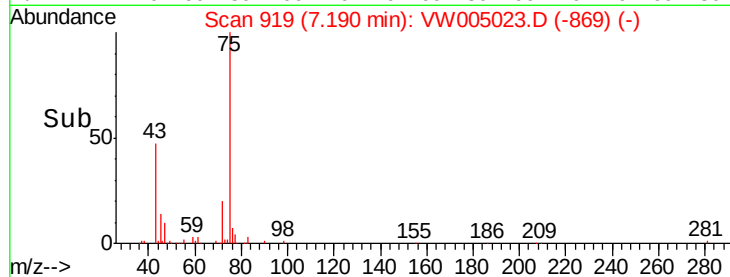
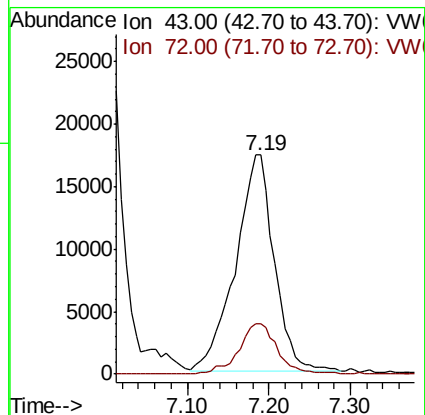
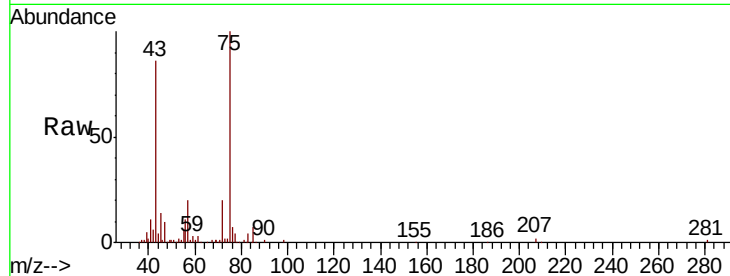
SB-1-@-8-FT

Tot Ion: 43 Resp: 57305

Ion Ratio Lower Upper

43 100

72 23.5 23.4 35.2



#31

Cyclohexane

Concen: 261.25 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

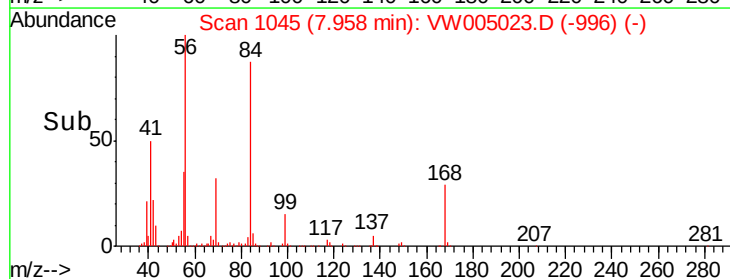
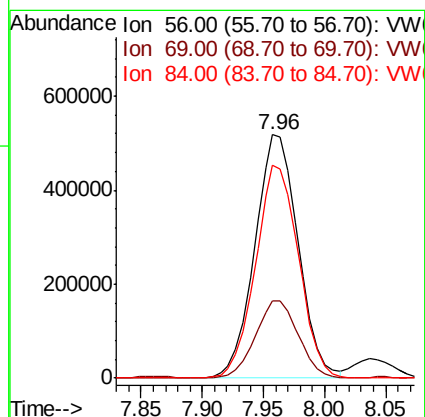
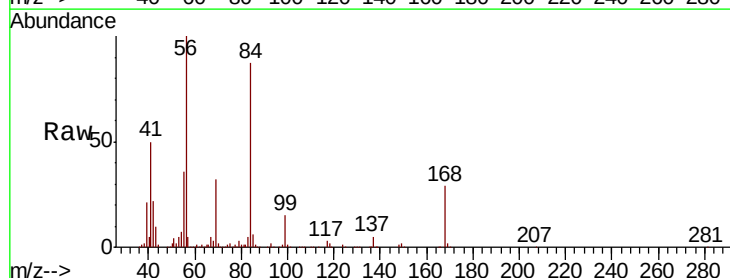
Tgt Ion: 56 Resp: 1276236

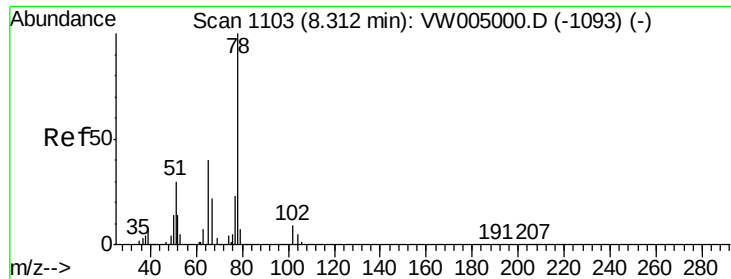
Ion Ratio Lower Upper

56 100

69 31.5 27.9 41.9

84 87.3 70.5 105.7

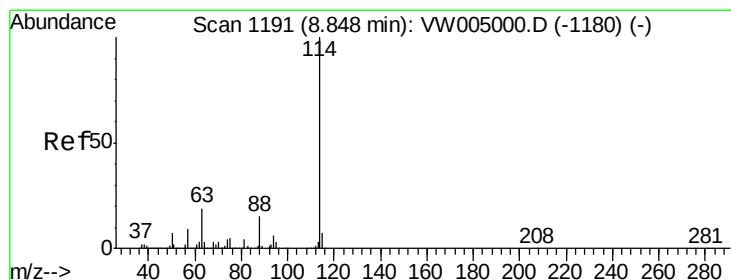
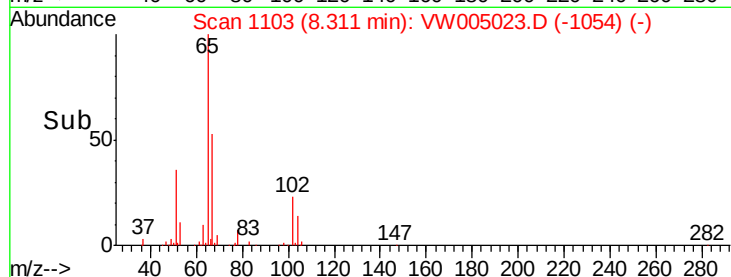
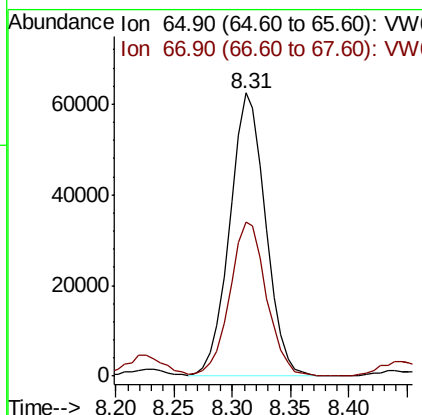
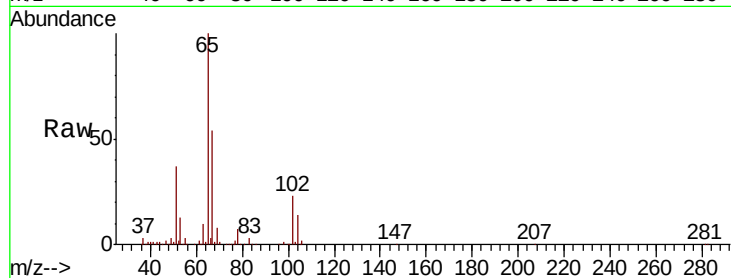




#33
 1,2-Dichloroethane-d4
 Concen: 58.67 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005023.D
 Acq: 30 Aug 2018 17:15

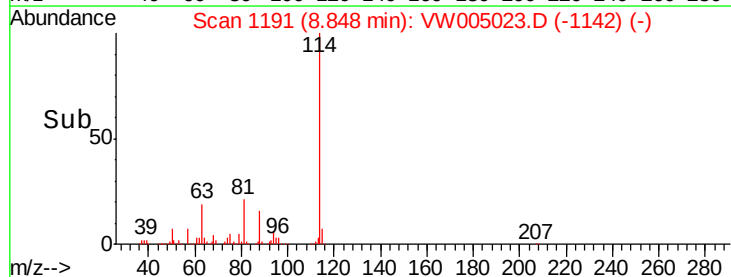
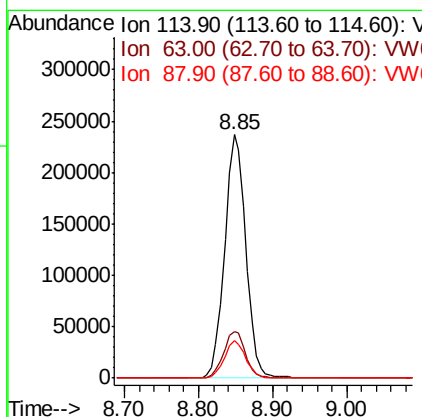
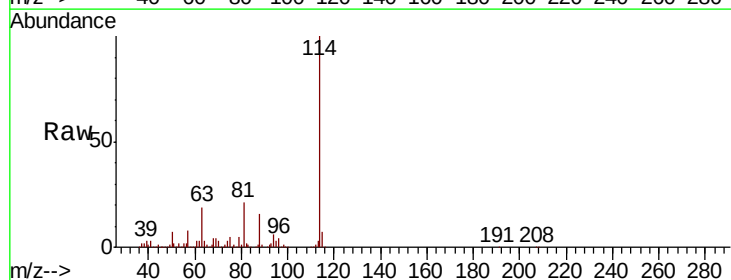
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1-@-8-FT

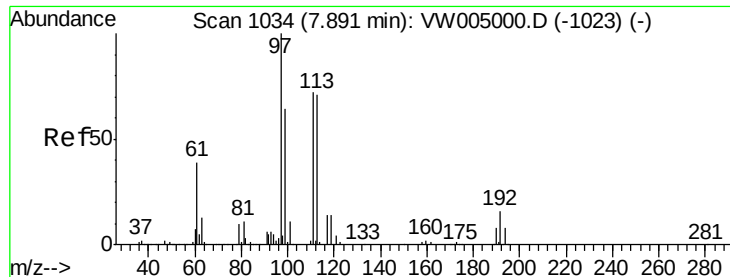
Tot Ion: 65 Resp: 133195
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005023.D
 Acq: 30 Aug 2018 17:15

Tgt Ion: 114 Resp: 470043
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.5 0.0 30.6

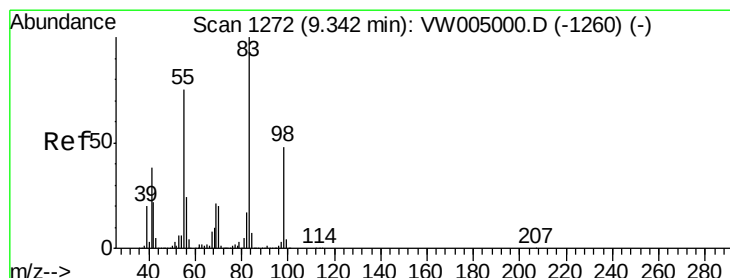
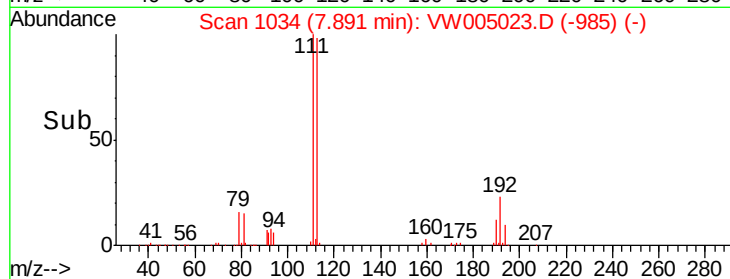
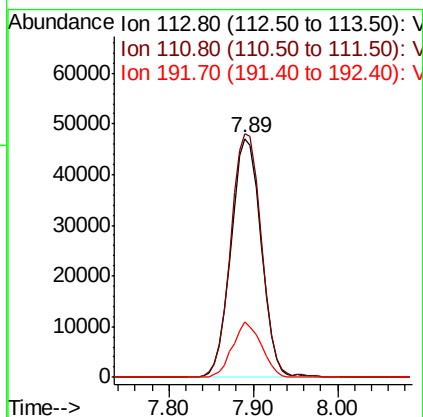
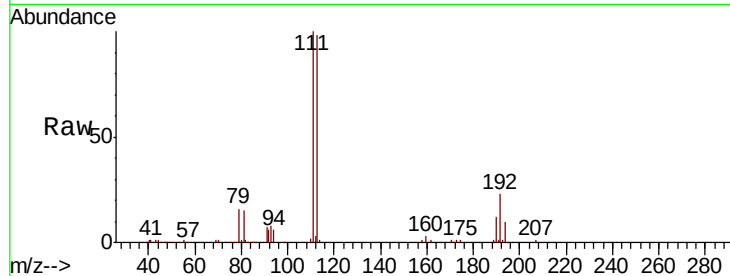




#35
Dibromofluoromethane
Concen: 48.95 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

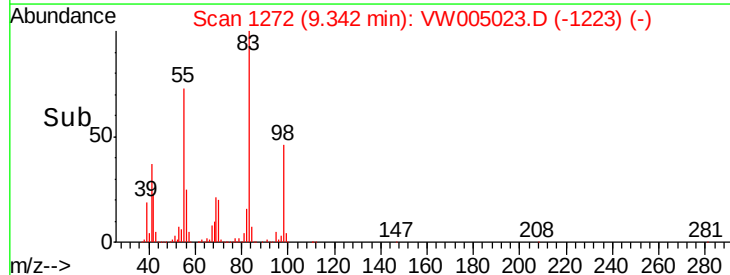
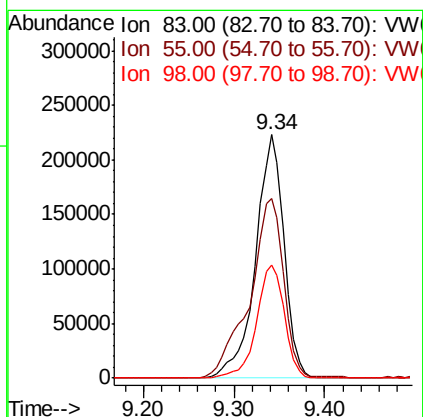
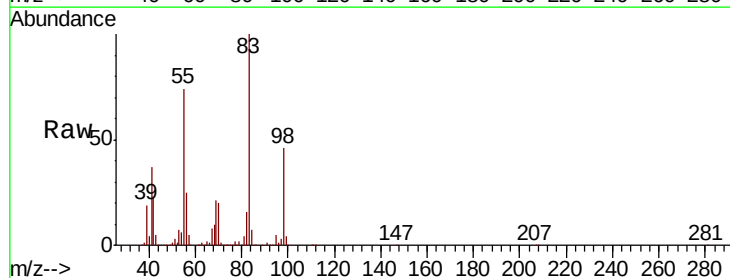
Instrument :
MSVOA_W
ClientSampleId :
SB-1-@-8-FT

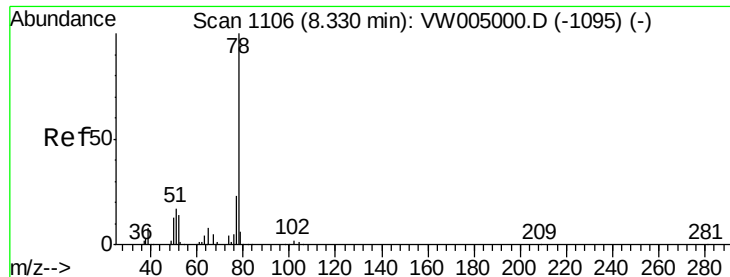
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.3	121.9
192	22.2	17.8	26.8



#39
Methylcyclohexane
Concen: 87.98 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.2	90.2
98	46.2	38.6	57.8





#40

Benzene

Concen: 1.79 ug/l

RT: 8.34 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

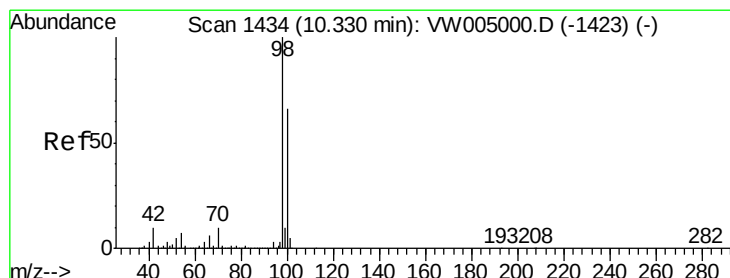
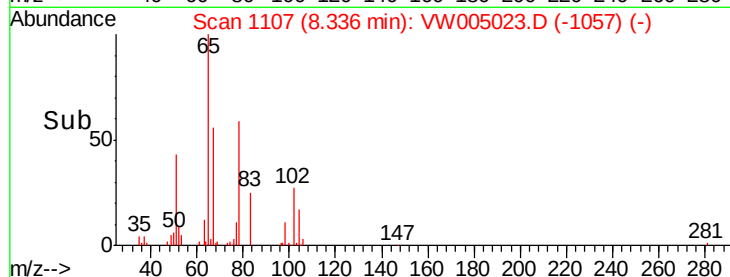
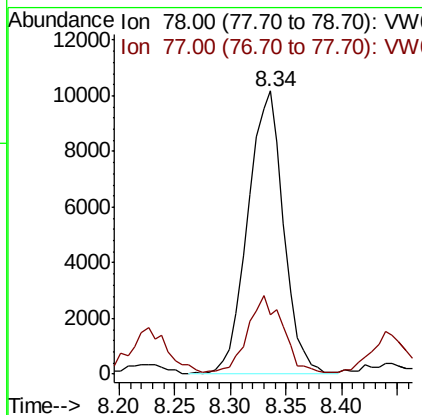
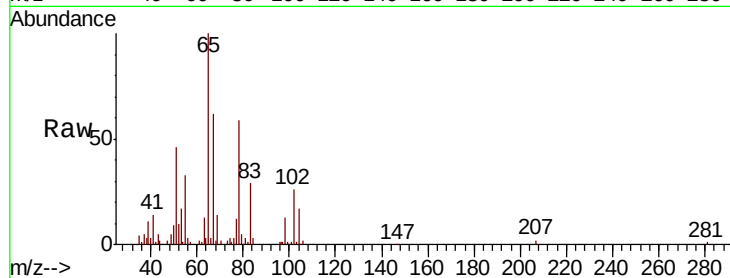
SB-1-@-8-FT

Tot Ion: 78 Resp: 22861

Ion Ratio Lower Upper

78 100

77 20.3 18.6 28.0



#50

Toluene-d8

Concen: 34.72 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005023.D

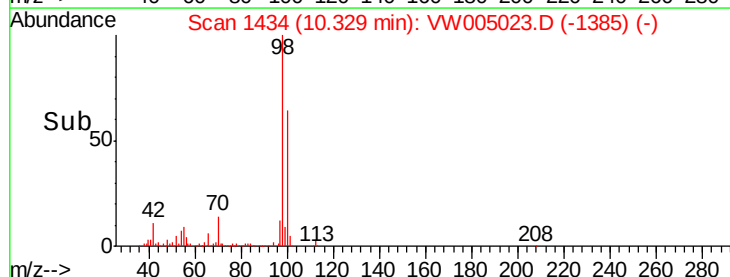
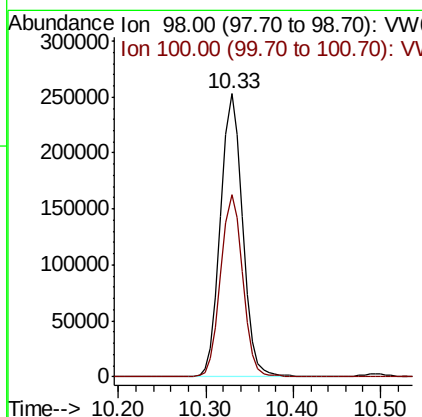
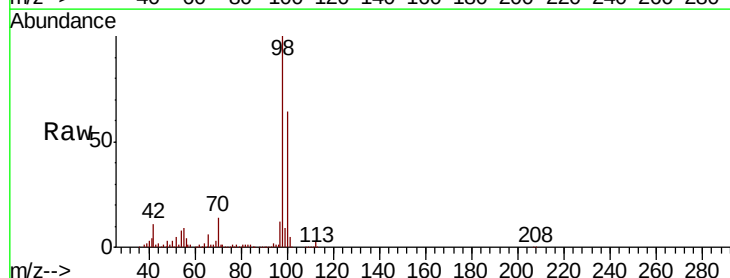
Acq: 30 Aug 2018 17:15

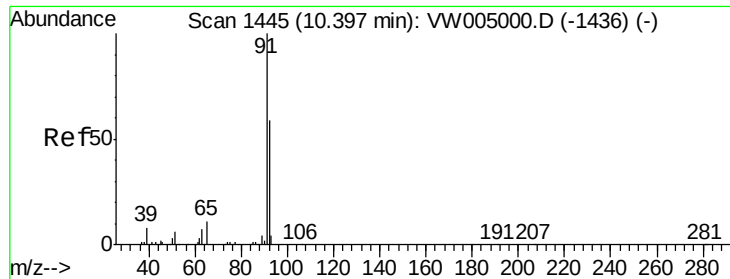
Tgt Ion: 98 Resp: 444068

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9





#52

Toluene

Concen: 3.06 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

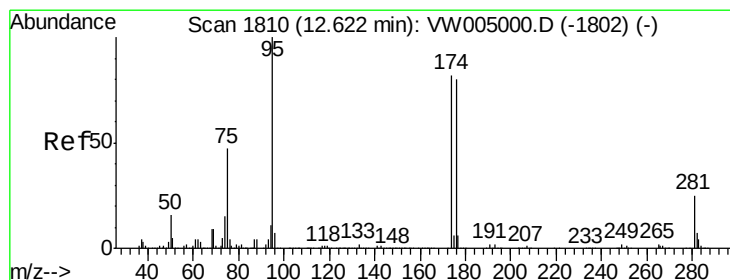
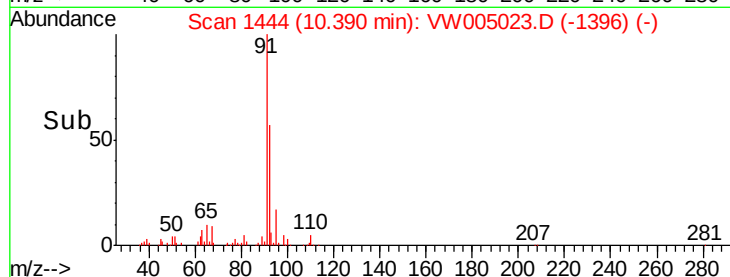
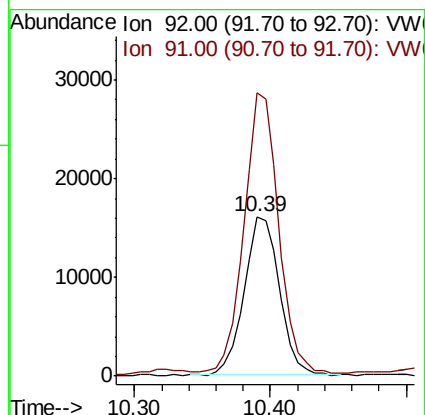
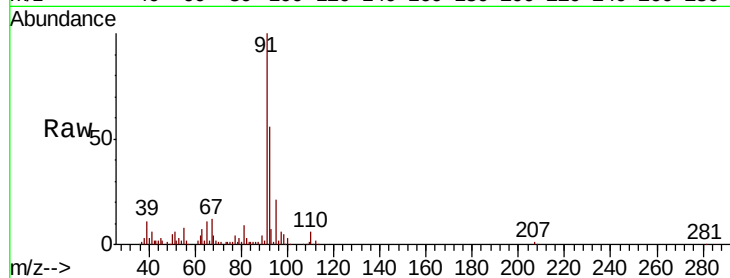
SB-1-@-8-FT

Tot Ion: 92 Resp: 28910

Ion Ratio Lower Upper

92 100

91 176.3 137.4 206.2



#62

4-Bromofluorobenzene

Concen: 18.67 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

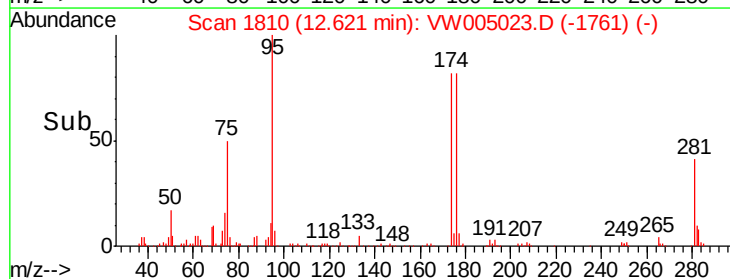
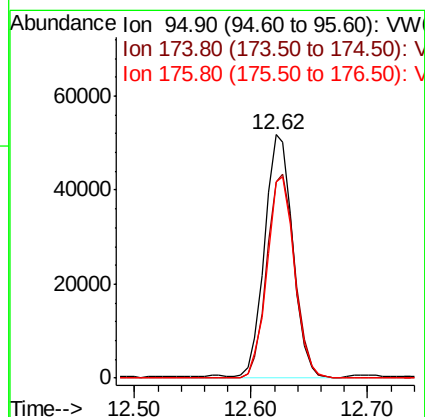
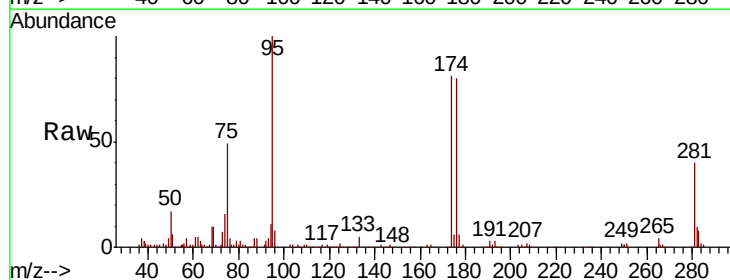
Tgt Ion: 95 Resp: 87036

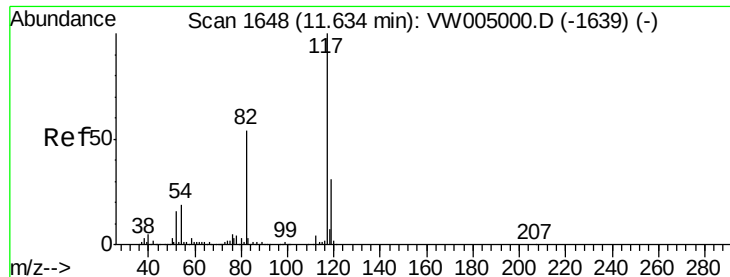
Ion Ratio Lower Upper

95 100

174 83.6 0.0 173.4

176 81.0 0.0 167.8

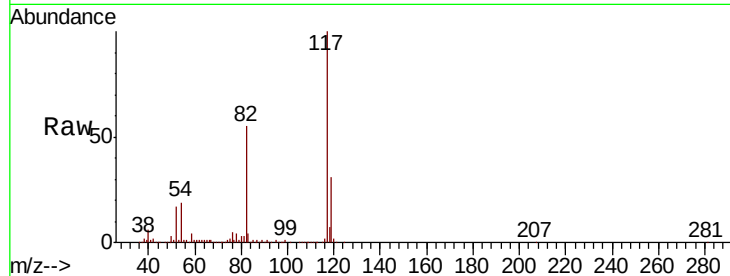




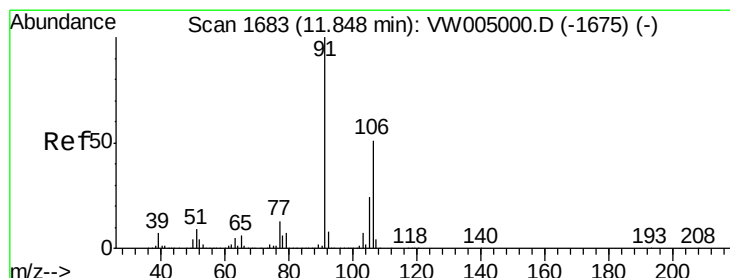
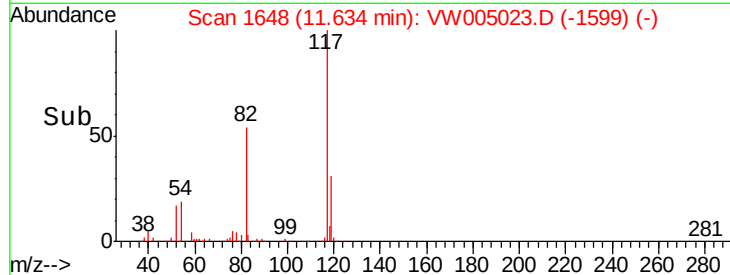
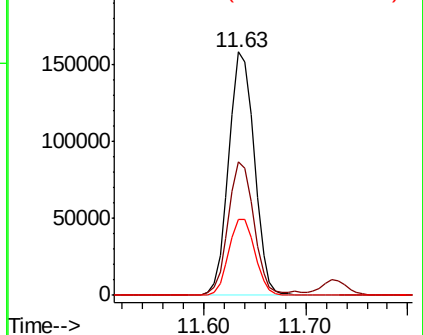
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

Instrument :
MSVOA_W
ClientSampleId :
SB-1-@-8-FT

Tot Ion:117 Resp: 274465
Ion Ratio Lower Upper
117 100
82 55.0 43.3 64.9
119 30.9 25.0 37.6

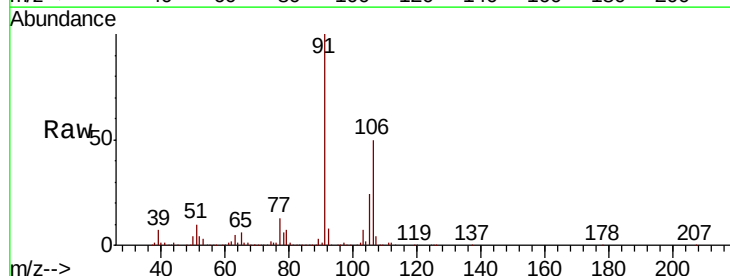


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

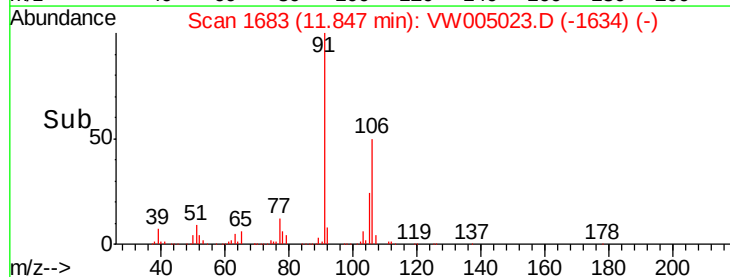
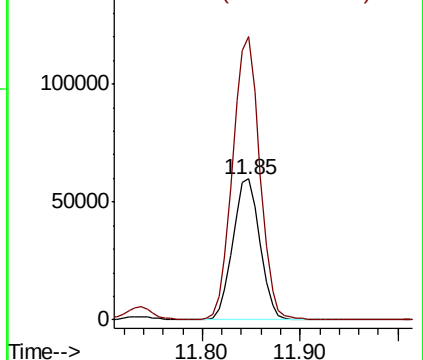


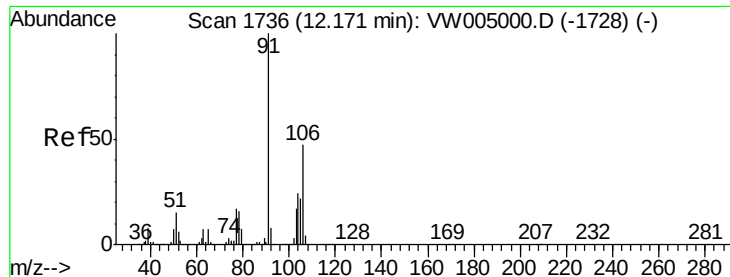
#68
m/p-Xylenes
Concen: 27.42 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

Tgt Ion:106 Resp: 115485
Ion Ratio Lower Upper
106 100
91 199.5 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

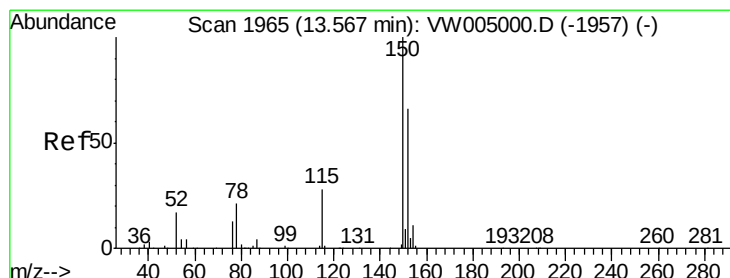
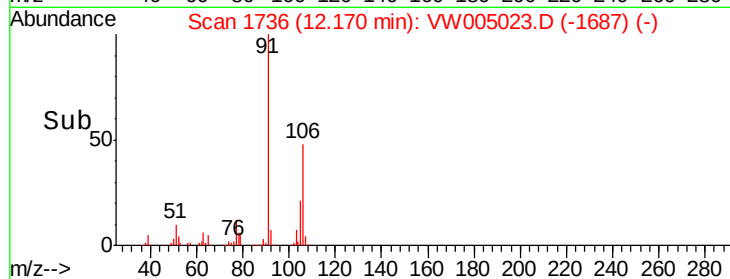
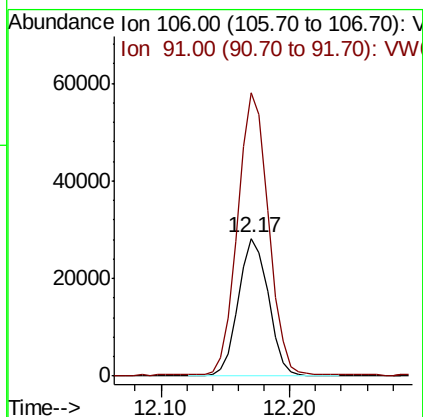
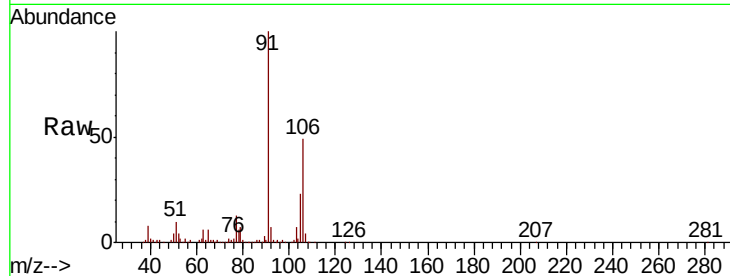




#69
o-Xylene
Concen: 11.88 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

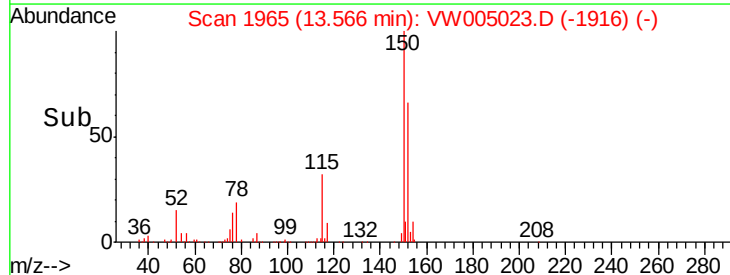
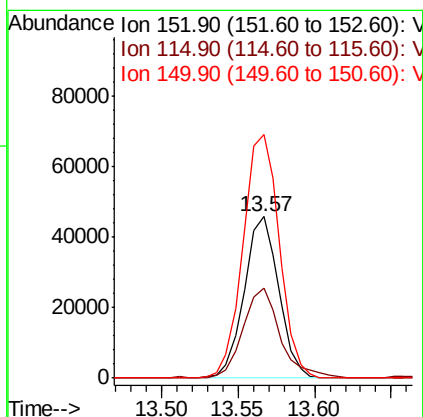
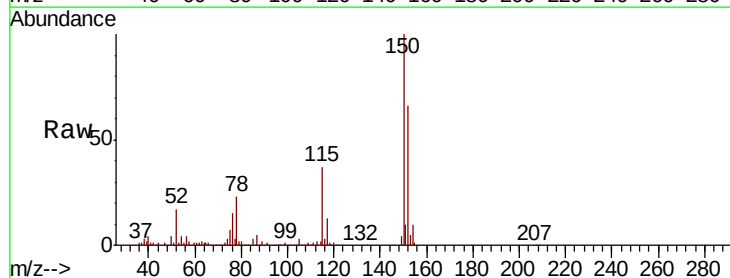
Instrument :
MSVOA_W
ClientSampled :
SB-1-@-8-FT

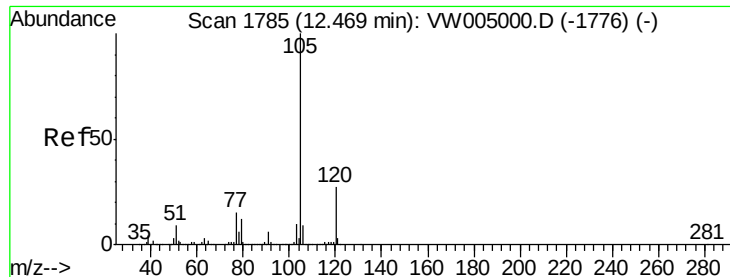
Tot Ion:106 Resp: 45715
Ion Ratio Lower Upper
106 100
91 207.7 104.4 313.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005023.D
Acq: 30 Aug 2018 17:15

Tgt Ion:152 Resp: 71949
Ion Ratio Lower Upper
152 100
115 59.5 28.0 83.9
150 158.6 0.0 347.2





#73

Isopropylbenzene

Concen: 8.54 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

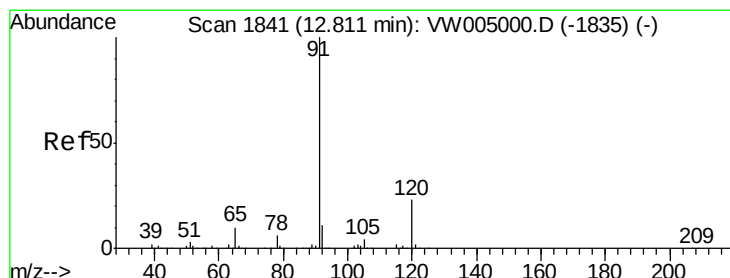
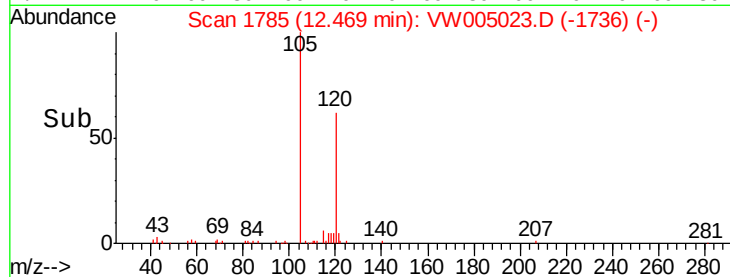
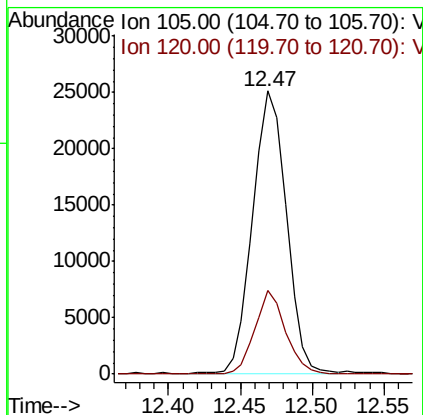
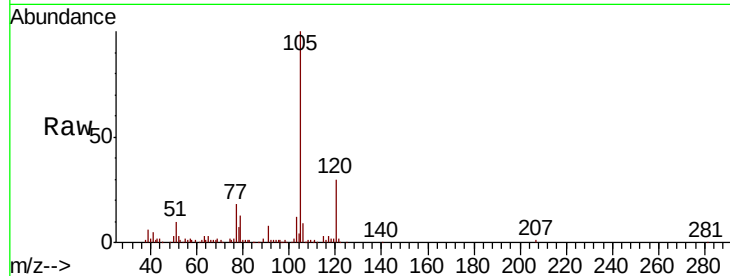
SB-1-@-8-FT

Tot Ion:105 Resp: 40970

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#78

n-propylbenzene

Concen: 2.26 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005023.D

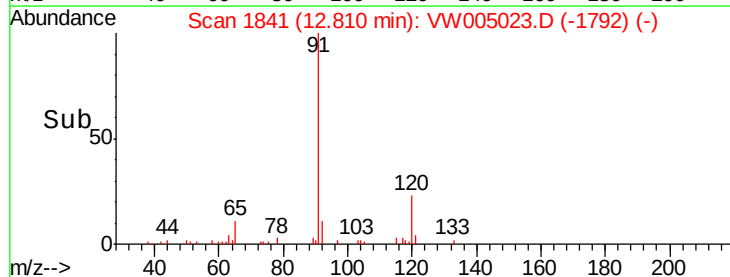
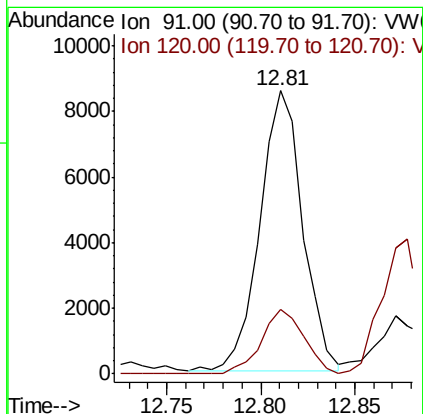
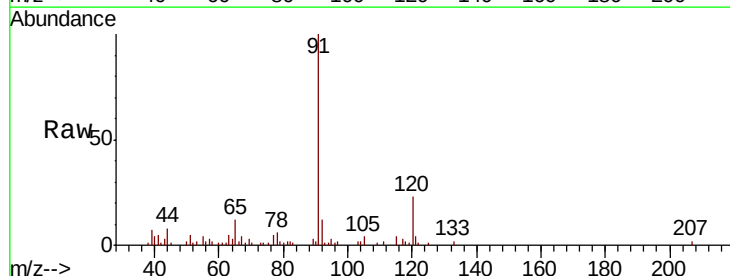
Acq: 30 Aug 2018 17:15

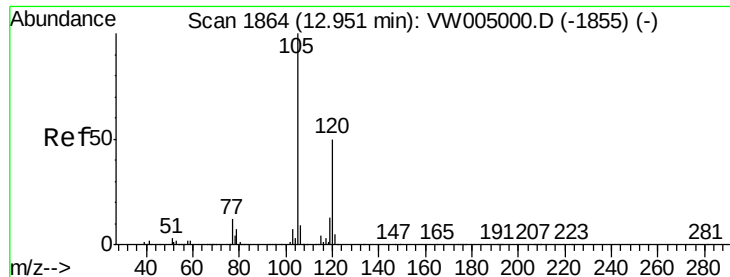
Tgt Ion: 91 Resp: 13345

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.1





#80

1,3,5-Trimethylbenzene

Concen: 13.80 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampled :

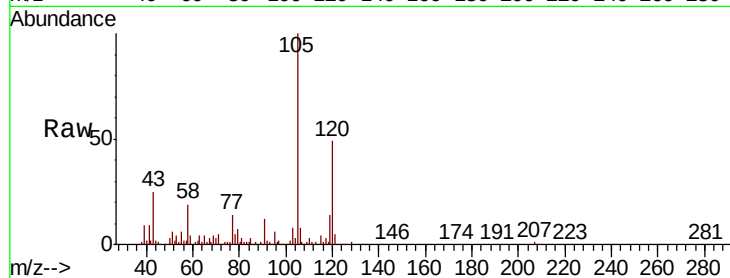
SB-1-@-8-FT

Tot Ion:105 Resp: 58458

Ion Ratio Lower Upper

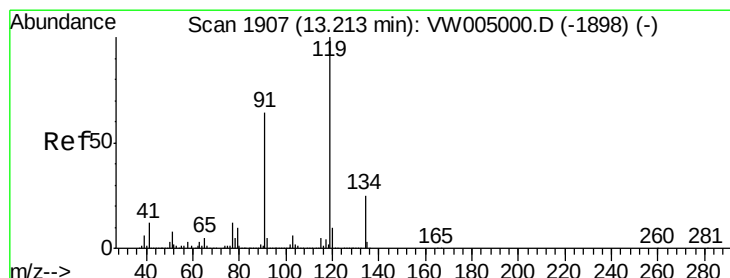
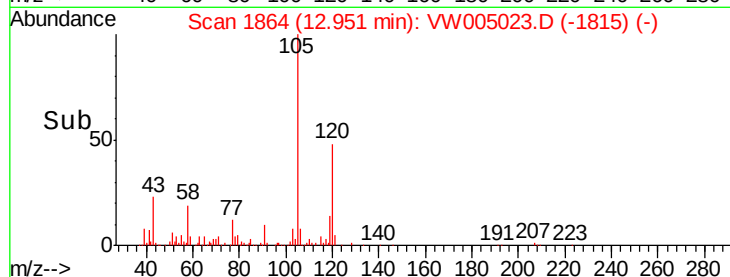
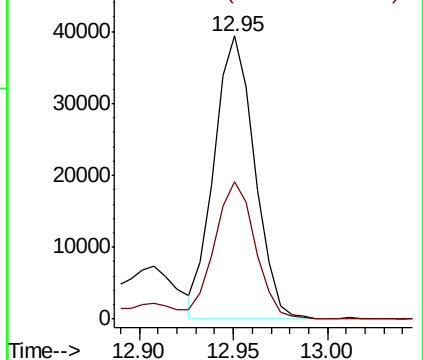
105 100

120 48.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.63 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

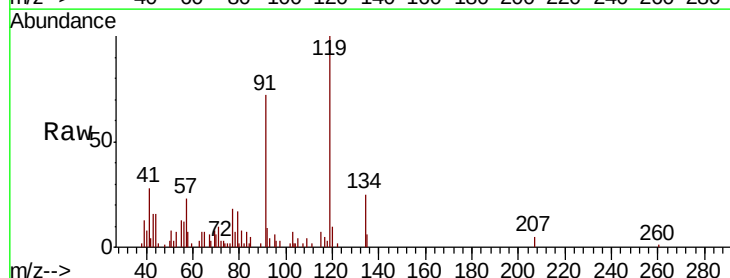
Tgt Ion:119 Resp: 5797

Ion Ratio Lower Upper

119 100

91 60.4 31.9 95.5

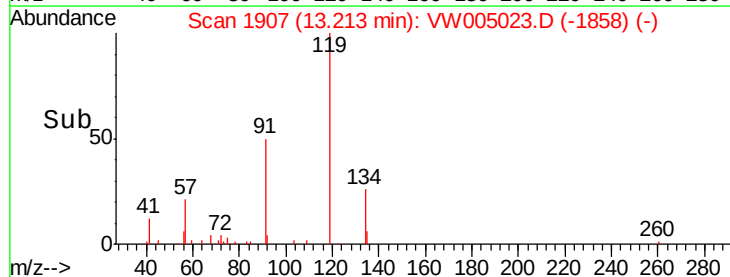
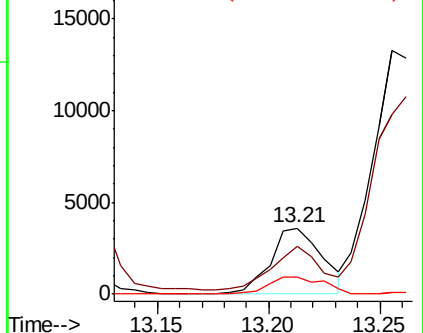
134 28.0 13.2 39.5

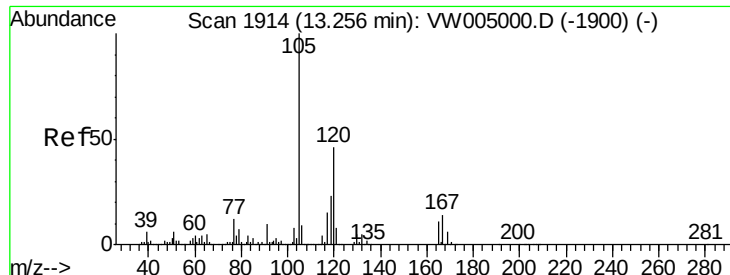


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 37.56 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW005023.D

Acq: 30 Aug 2018 17:15

Instrument :

MSVOA_W

ClientSampleId :

SB-1-@-8-FT

Tot Ion:105 Resp: 161506

Ion Ratio Lower Upper

105 100

120 46.8 22.9 68.7

