

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110118\
 Data File : VW006527.D
 Acq On : 31 Oct 2018 15:44
 Operator : SY/AP
 Sample : J5711-04
 Misc : 5.61G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

Quant Time: Oct 31 17:17:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	540640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	390352	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	123721	44.30	ug/l	0.00
Spiked Amount						
			Recovery	=	88.60%	
35) Dibromofluoromethane	7.88	113	120342	37.67	ug/l	0.00
Spiked Amount						
			Recovery	=	75.34%	
50) Toluene-d8	10.34	98	2989180	245.94	ug/l	0.00
Spiked Amount						
			Recovery	=	491.88%	
62) 4-Bromofluorobenzene	12.62	95	1318339	288.80	ug/l	0.00
Spiked Amount						
			Recovery	=	577.60%	

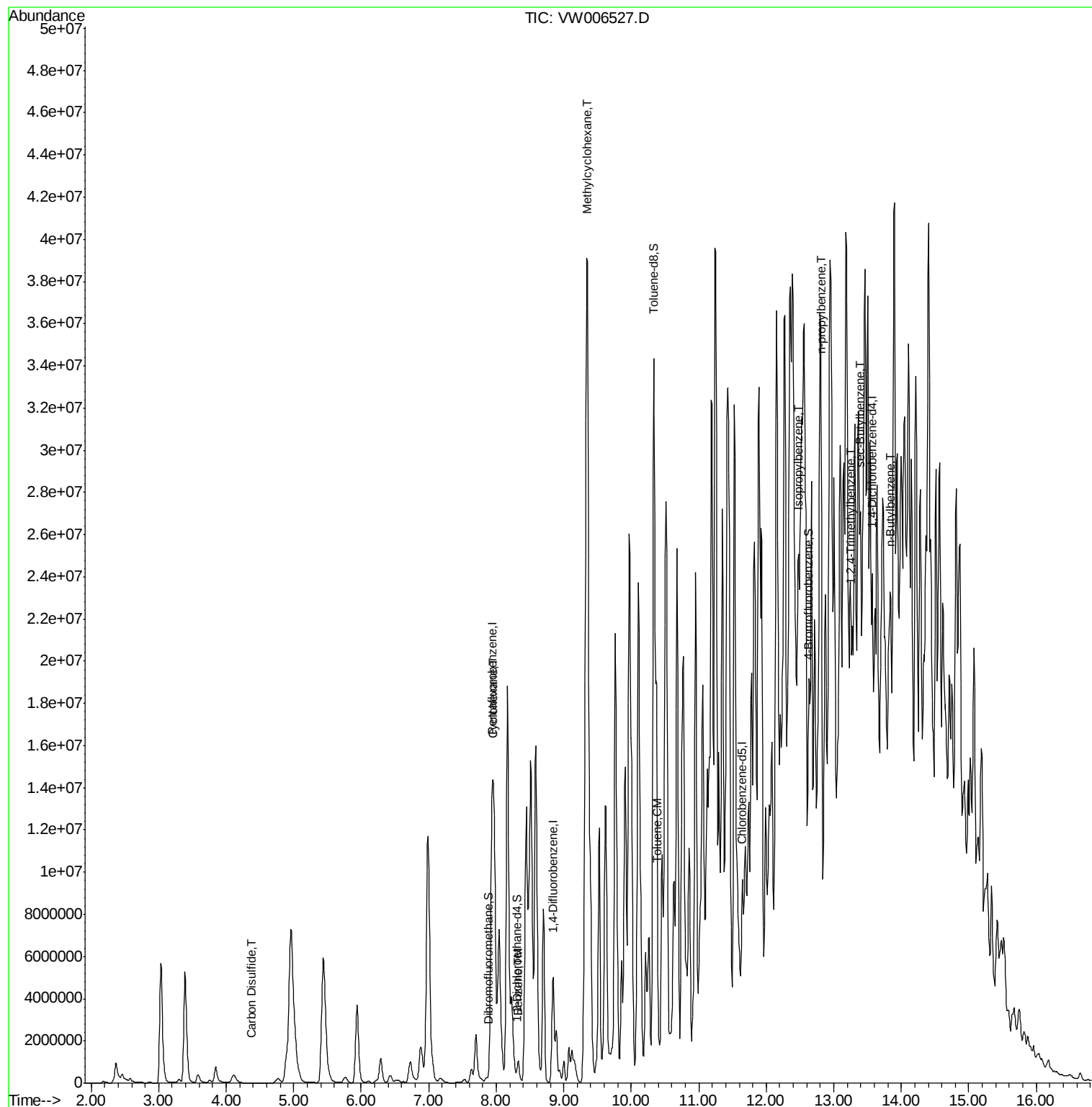
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.38	76	49411	5.816	ug/l	98
31) Cyclohexane	7.96	56	9771953	1912.013	ug/l	97
39) Methylcyclohexane	9.35	83	25303060	3819.894	ug/l	93
40) Benzene	8.33	78	847153	61.975	ug/l	98
52) Toluene	10.40	92	239242	26.106	ug/l	95
73) Isopropylbenzene	12.48	105	4254800	154.287	ug/l	98
78) n-propylbenzene	12.82	91	6008083	187.263	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	865606	36.795	ug/l	98
85) sec-Butylbenzene	13.40	105	3714705	126.414	ug/l #	61
89) n-Butylbenzene	13.83	91	3975722	163.560	ug/l #	75

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

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Quant Time: Oct 31 17:17:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
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: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

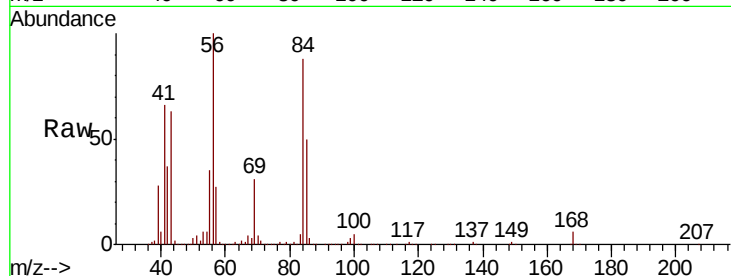
SB-4

Tot Ion:168 Resp: 336890

Ion Ratio Lower Upper

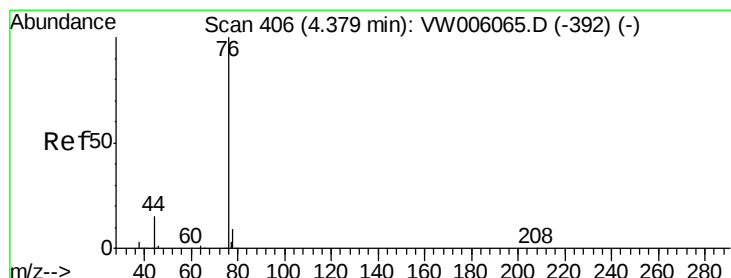
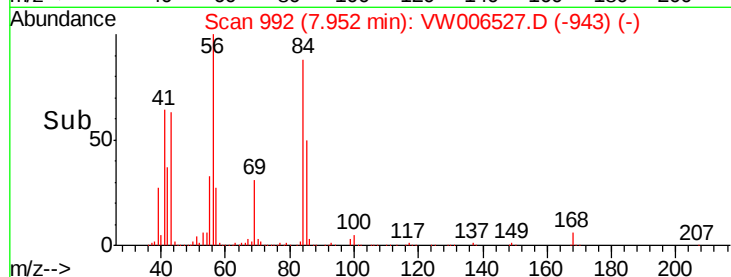
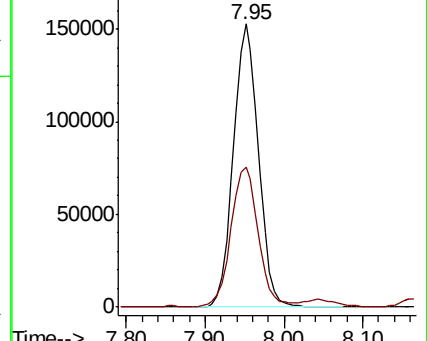
168 100

99 49.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#17

Carbon Disulfide

Concen: 5.816 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006527.D

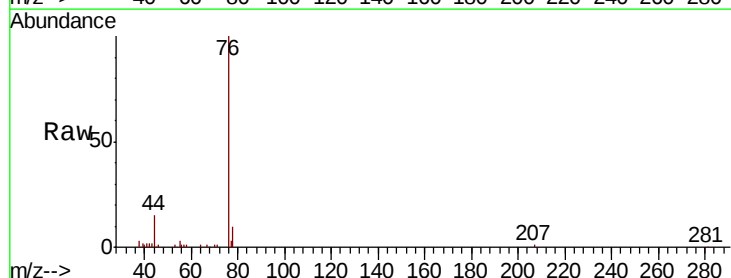
Acq: 31 Oct 2018 15:44

Tgt Ion: 76 Resp: 49411

Ion Ratio Lower Upper

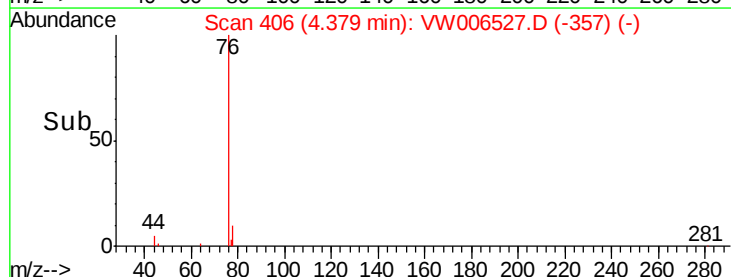
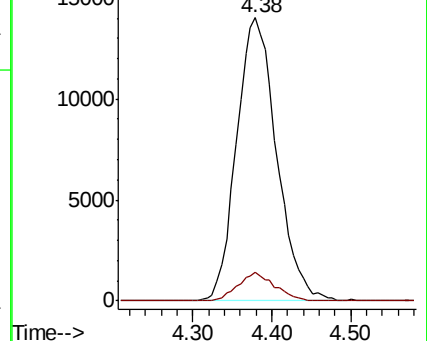
76 100

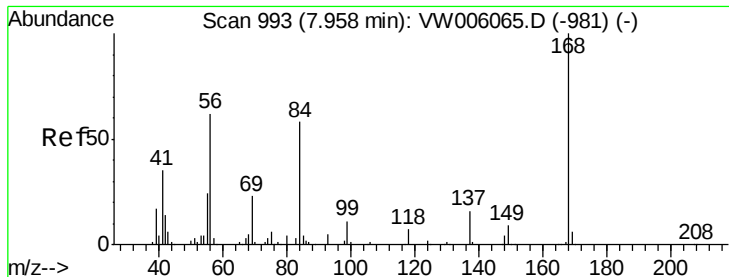
78 10.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#31

Cyclohexane

Concen: 1912.013 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

SB-4

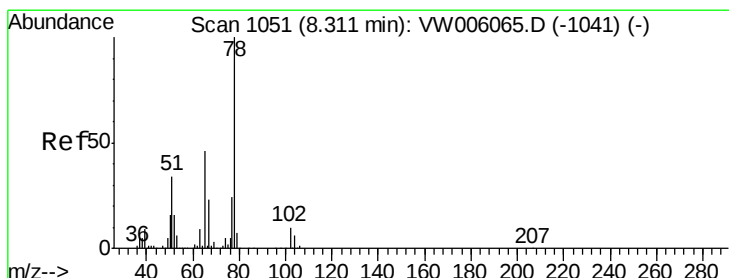
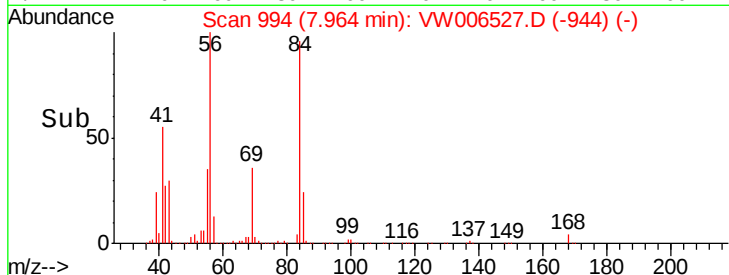
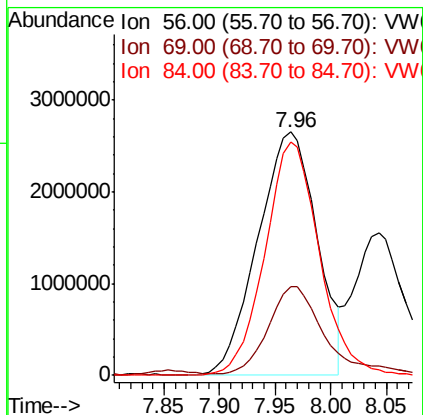
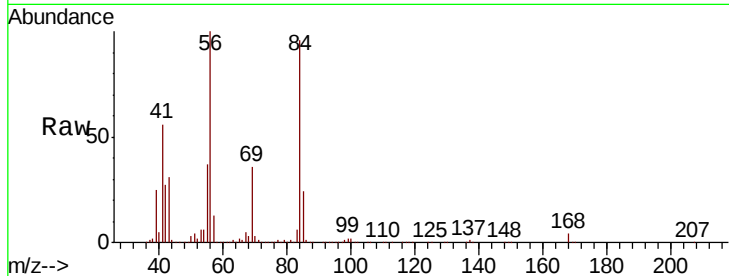
Tot Ion: 56 Resp: 9771953

Ion Ratio Lower Upper

56 100

69 35.2 29.4 44.0

84 96.2 74.0 111.0



#33

1,2-Dichloroethane-d4

Concen: 44.297 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006527.D

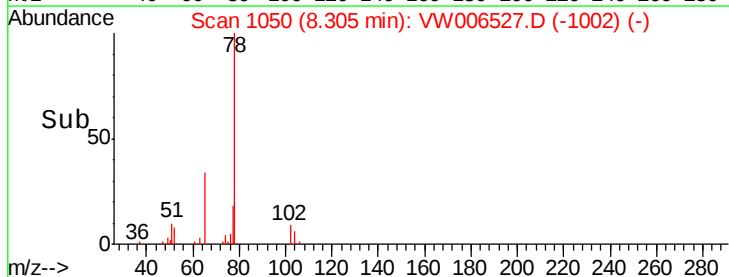
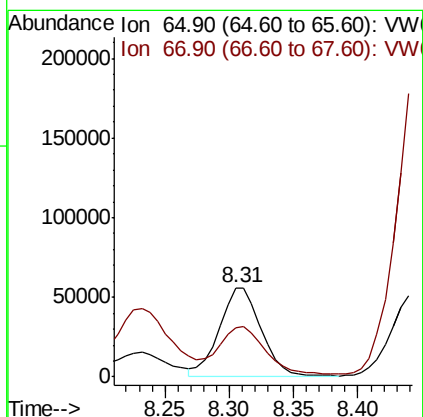
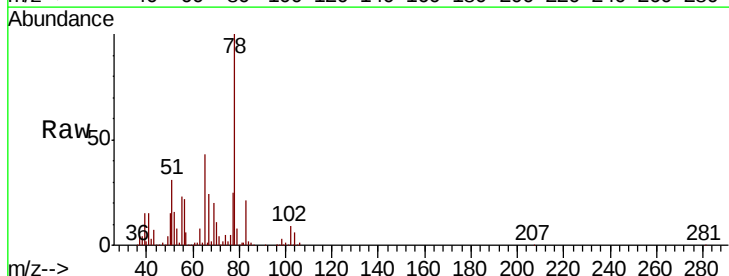
Acq: 31 Oct 2018 15:44

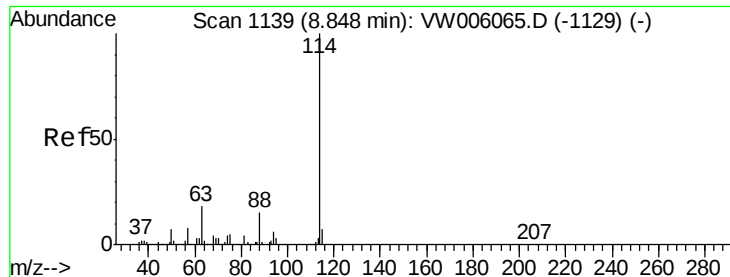
Tgt Ion: 65 Resp: 123721

Ion Ratio Lower Upper

65 100

67 60.7 0.0 101.0

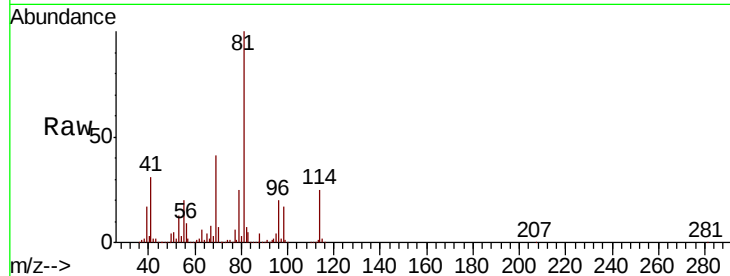




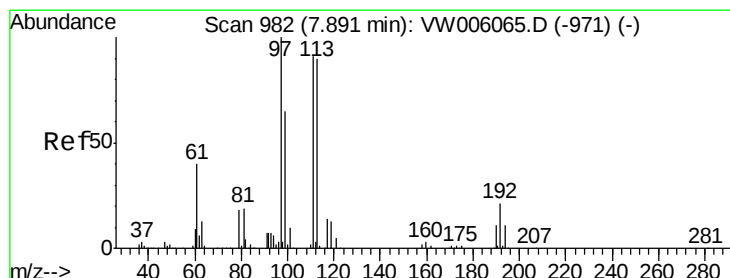
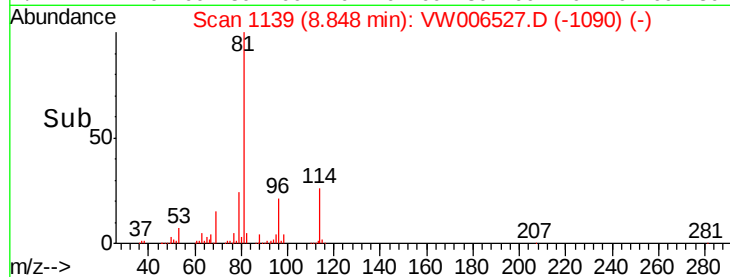
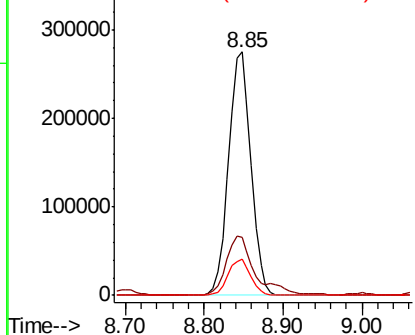
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	36.8
88	14.8	0.0	29.0

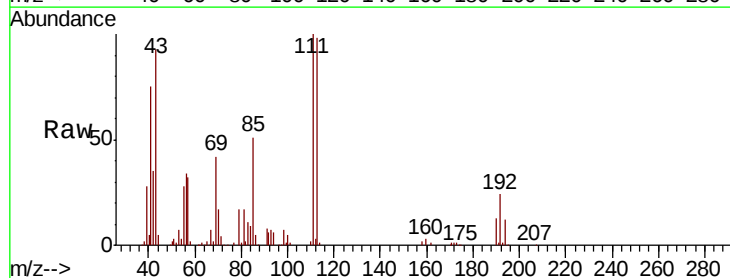


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

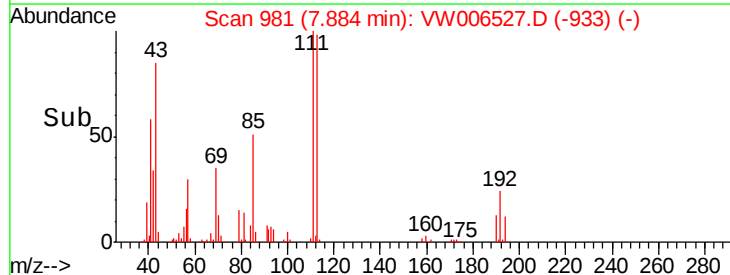
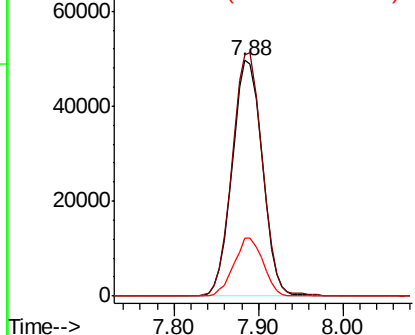


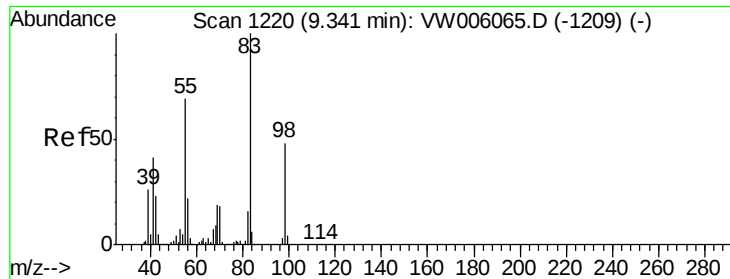
#35
 Dibromofluoromethane
 Concen: 37.670 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006527.D
 Acq: 31 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	23.8	18.7	28.1



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

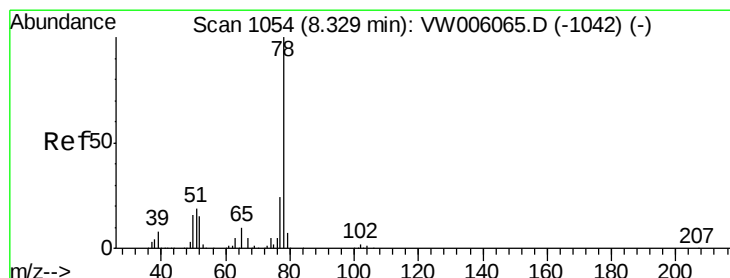
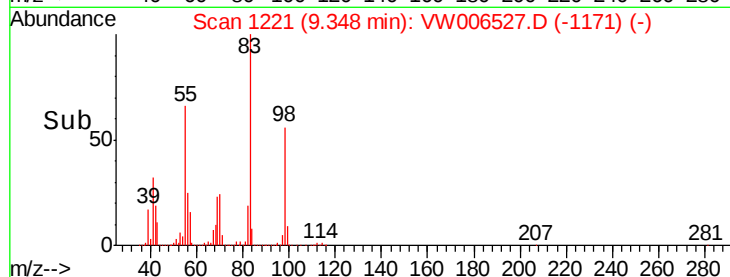
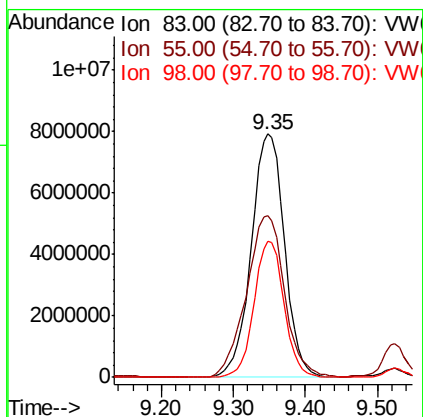
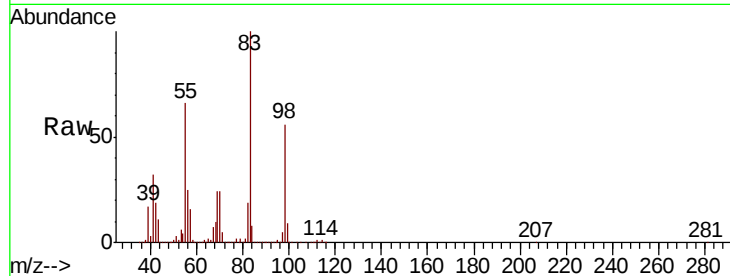




#39
Methvlcvclohexane
Concen: 3819.894 ug/l
RT: 9.35 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

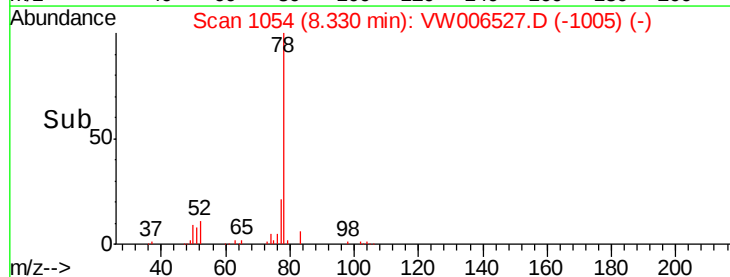
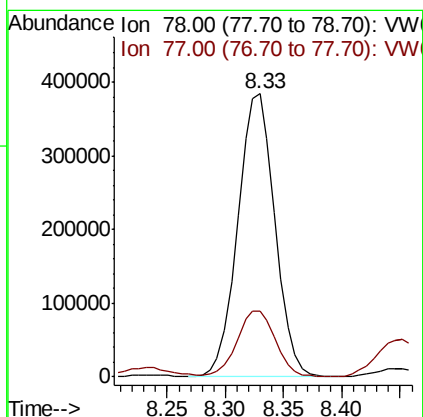
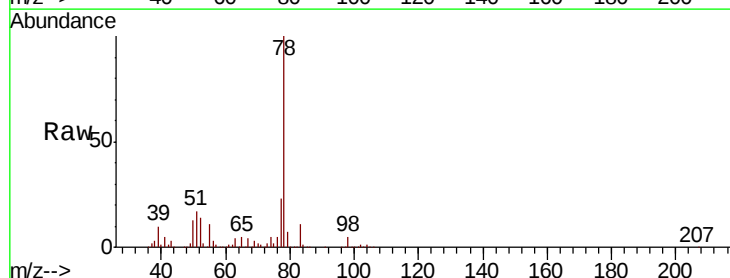
Instrument :
MSVOA_W
ClientSampled :
SB-4

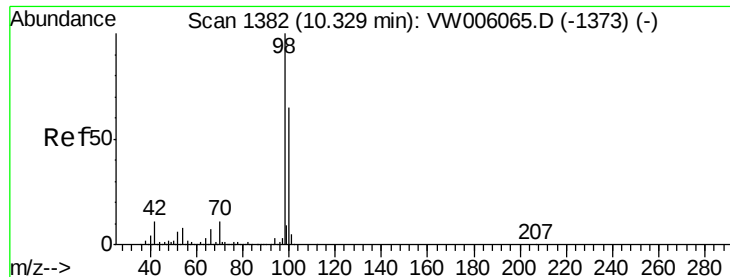
Tot Ion: 83 Resp: 25303060
Ion Ratio Lower Upper
83 100
55 66.2 55.0 82.6
98 55.8 38.6 57.8



#40
Benzene
Concen: 61.975 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 78 Resp: 847153
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0





#50

Toluene-d8

Concen: 245.943 ug/l

RT: 10.34 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampleId :

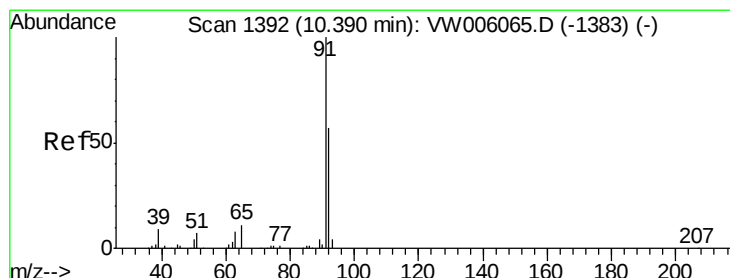
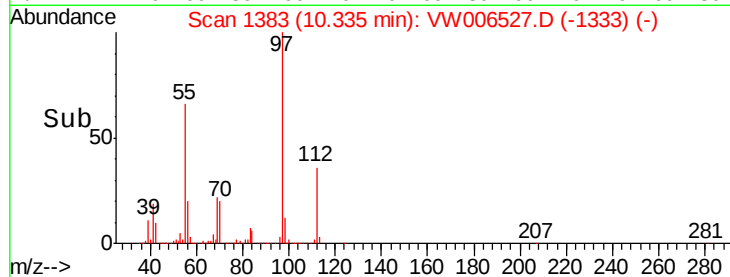
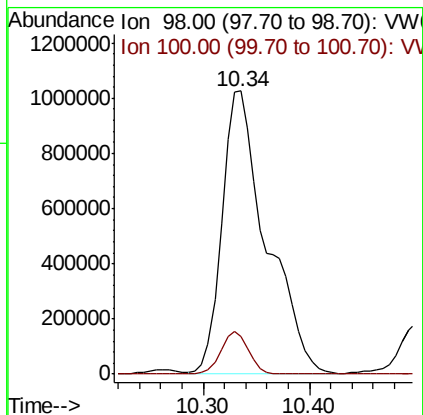
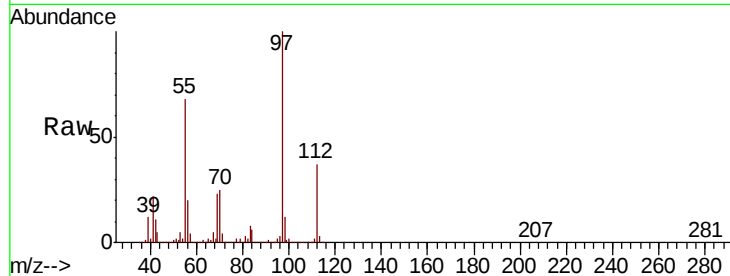
SB-4

Tot Ion: 98 Resp: 2989180

Ion Ratio Lower Upper

98 100

100 9.3 51.6 77.4#



#52

Toluene

Concen: 26.106 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW006527.D

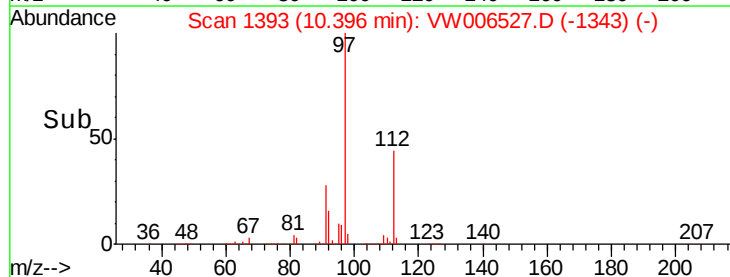
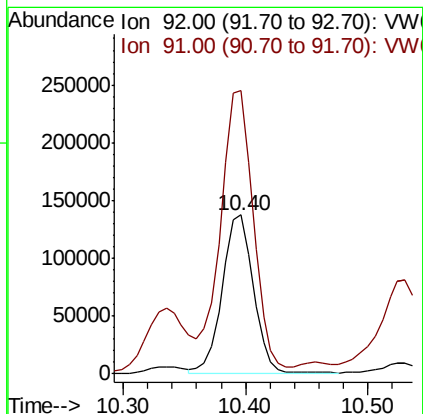
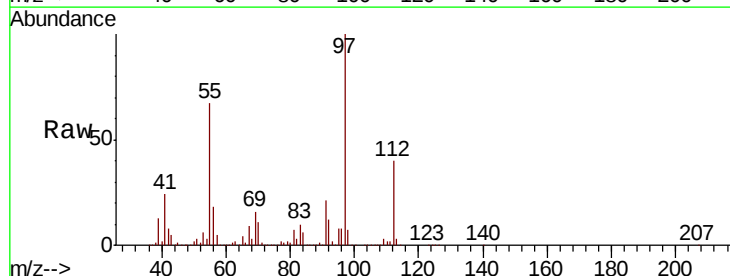
Acq: 31 Oct 2018 15:44

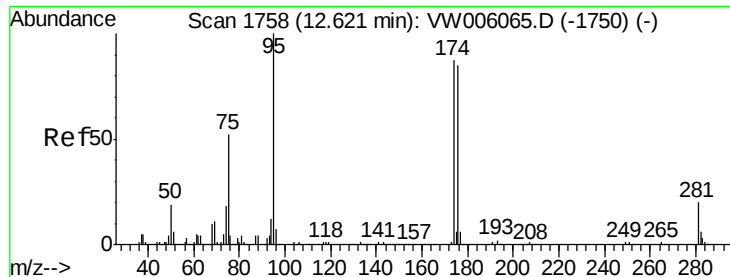
Tgt Ion: 92 Resp: 239242

Ion Ratio Lower Upper

92 100

91 182.4 140.0 210.0

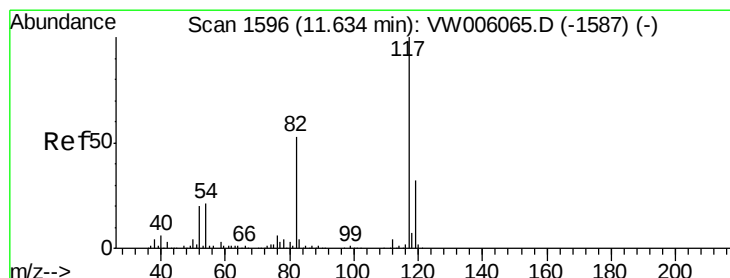
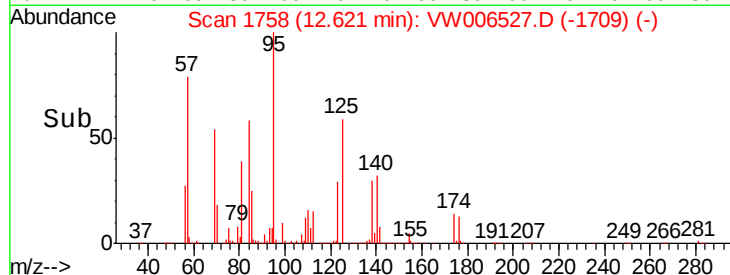
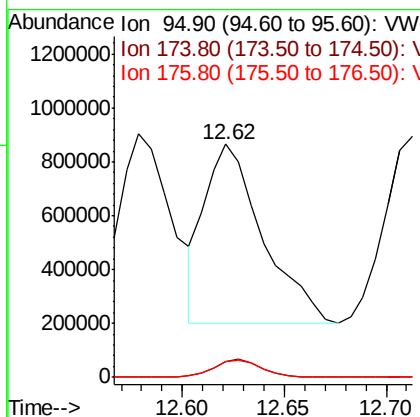
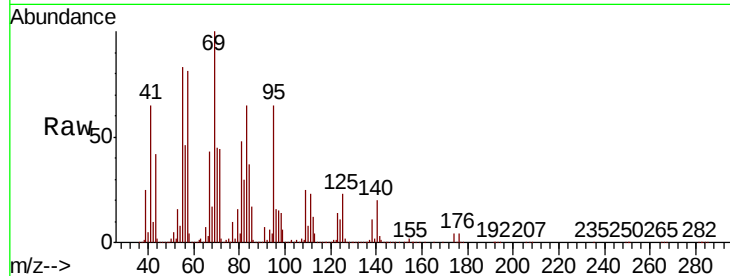




#62
4-Bromofluorobenzene
Concen: 288.801 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

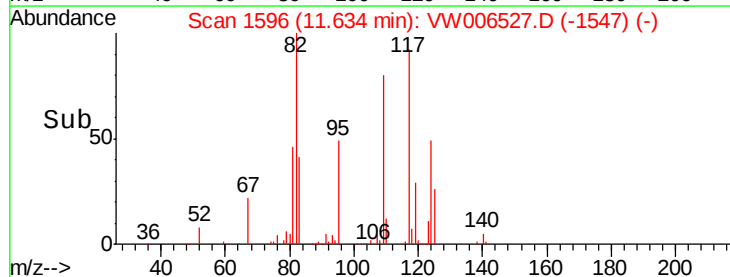
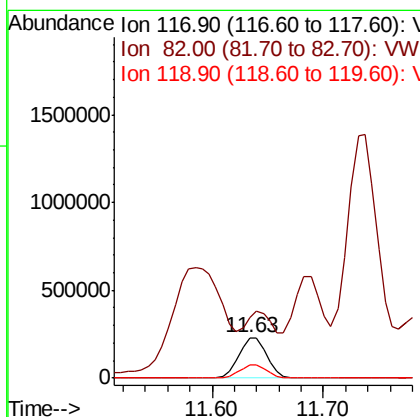
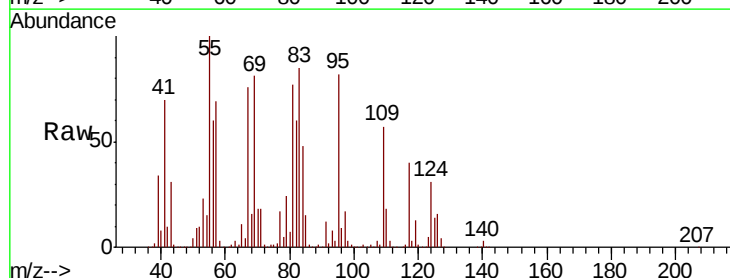
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MSVOA_W
ClientSampled :
SB-4

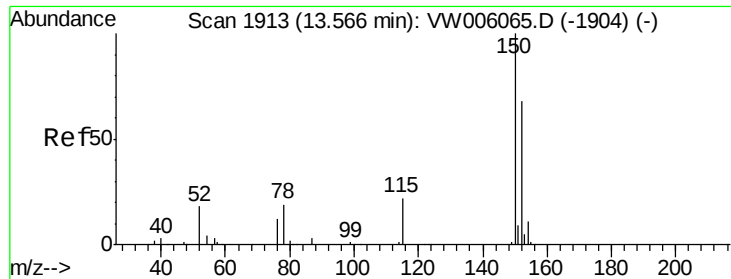
Tot Ion: 95 Resp: 1318339
Ion Ratio Lower Upper
95 100
174 8.1 0.0 186.0
176 8.0 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion: 117 Resp: 400915
Ion Ratio Lower Upper
117 100
82 0.0 42.1 63.1#
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

SB-4

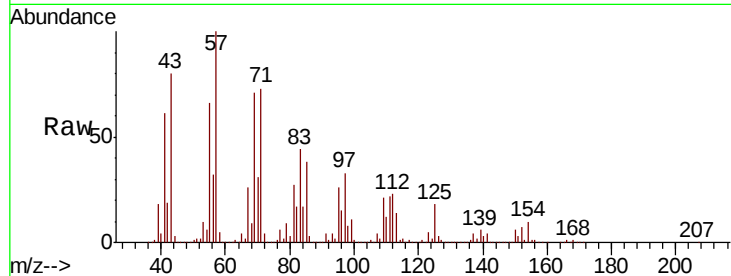
Tot Ion:152 Resp: 390352

Ion Ratio Lower Upper

152 100

115 27.9 27.8 83.3

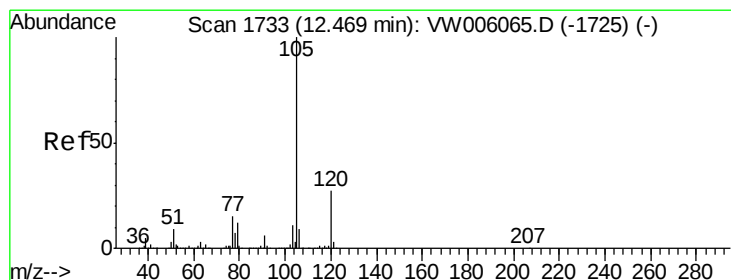
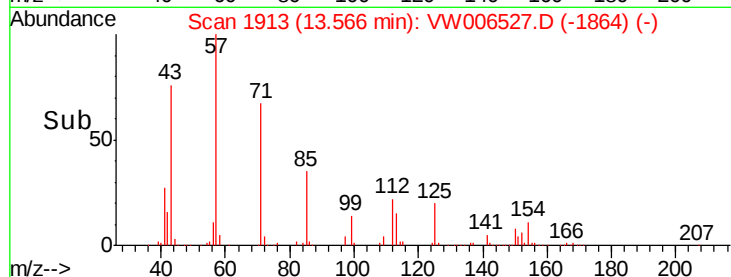
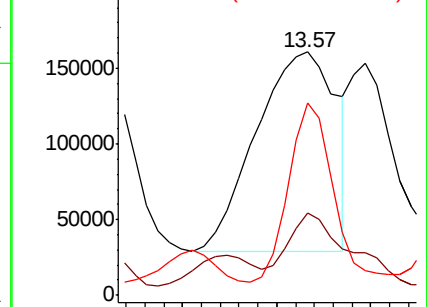
150 50.0 0.0 349.2



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



#73

Isopropylbenzene

Concen: 154.287 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW006527.D

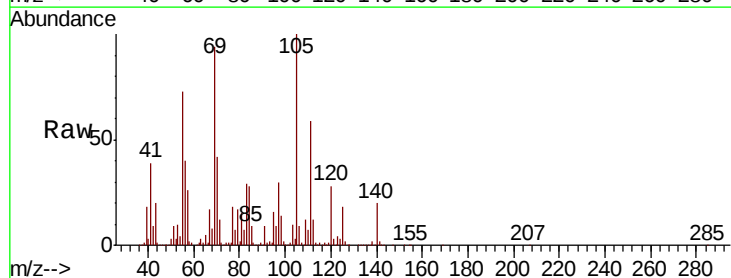
Acq: 31 Oct 2018 15:44

Tgt Ion:105 Resp: 4254800

Ion Ratio Lower Upper

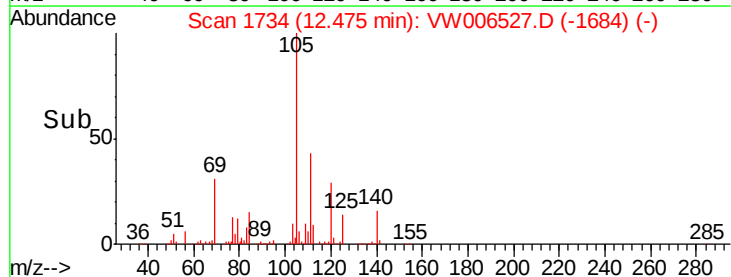
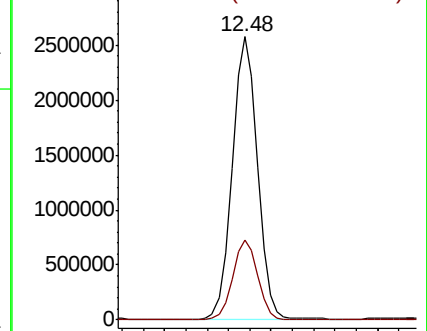
105 100

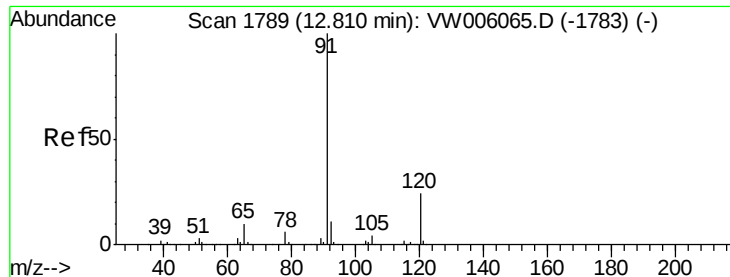
120 28.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

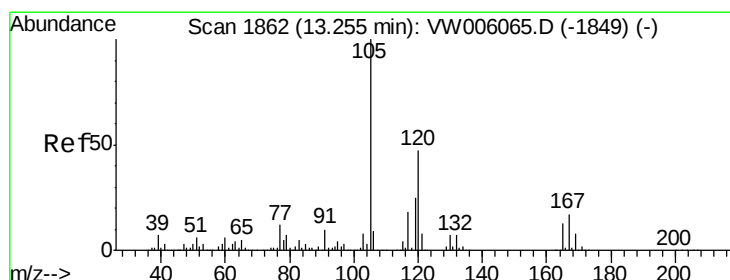
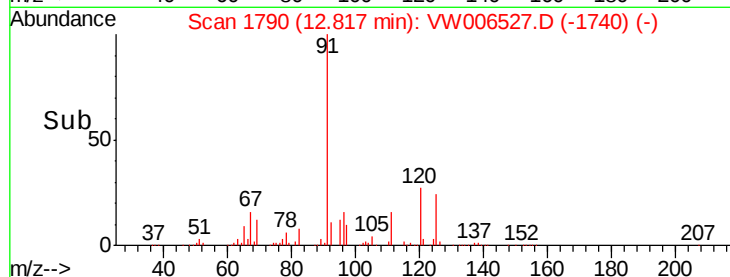
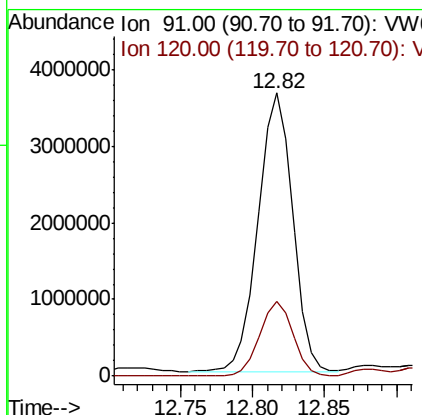
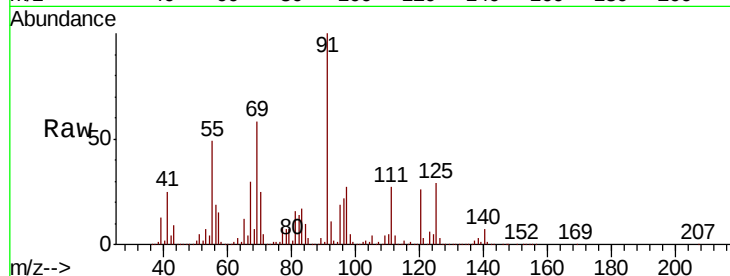




#78
n-propylbenzene
Concen: 187.263 ug/l
RT: 12.82 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

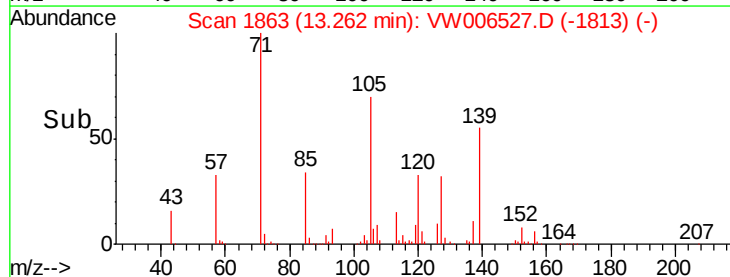
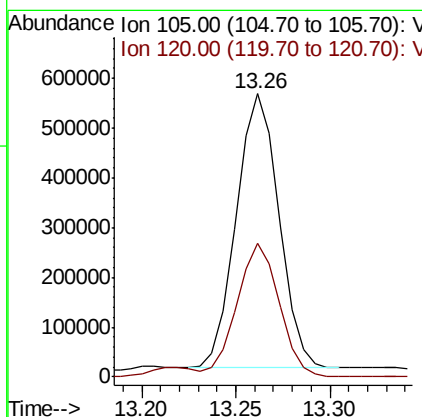
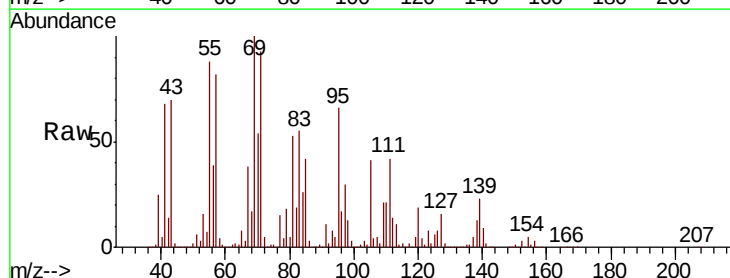
Instrument :
MSVOA_W
ClientSampled :
SB-4

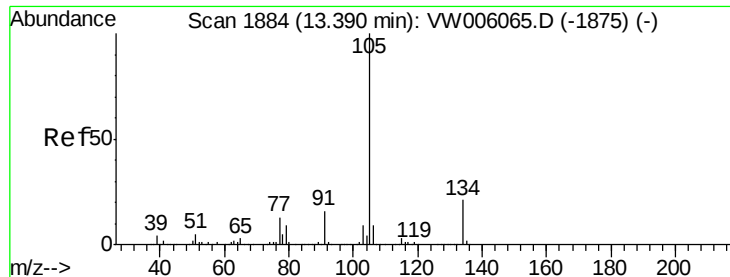
Tot Ion: 91 Resp: 6008083
Ion Ratio Lower Upper
91 100
120 25.8 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 36.795 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW006527.D
Acq: 31 Oct 2018 15:44

Tgt Ion:105 Resp: 865606
Ion Ratio Lower Upper
105 100
120 47.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 126.414 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

Instrument :

MSVOA_W

ClientSampled :

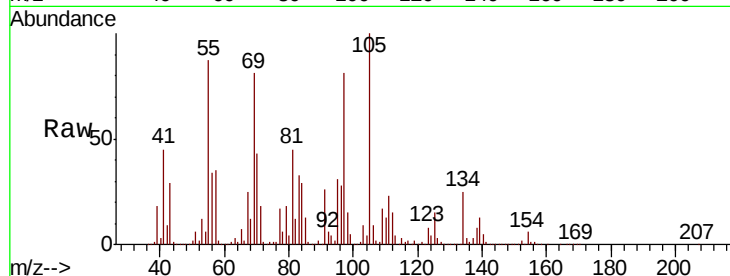
SB-4

Tot Ion:105 Resp: 3714705

Ion Ratio Lower Upper

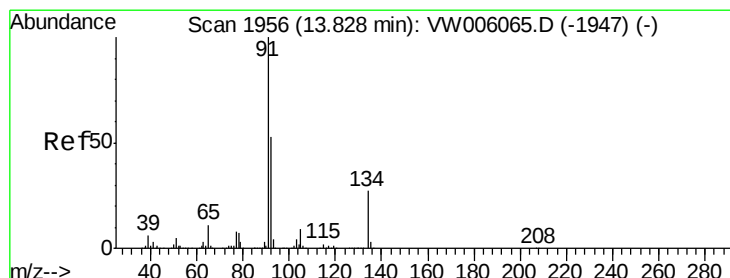
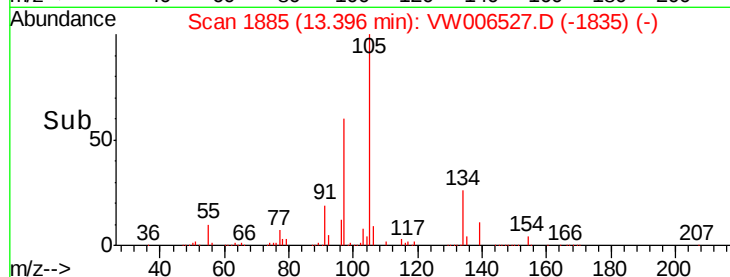
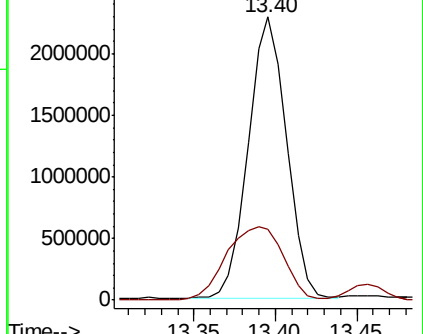
105 100

134 39.2 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 163.560 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW006527.D

Acq: 31 Oct 2018 15:44

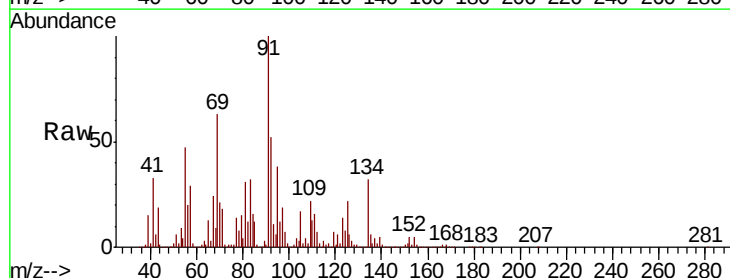
Tgt Ion: 91 Resp: 3975722

Ion Ratio Lower Upper

91 100

92 46.2 26.6 79.7

134 55.7 14.0 41.9#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

