

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004868.D
 Acq On : 22 Aug 2018 04:54
 Operator : SY/AP
 Sample : J4573-03
 Misc : 3.75G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

Quant Time: Aug 22 08:20:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	505488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	785116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	629859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	206905	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	278503	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	285032	56.80	ug/l	0.00
Spiked Amount			Recovery	=	113.60%	
50) Toluene-d8	10.33	98	935960	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.62	95	240925	34.19	ug/l	0.00
Spiked Amount			Recovery	=	68.38%	

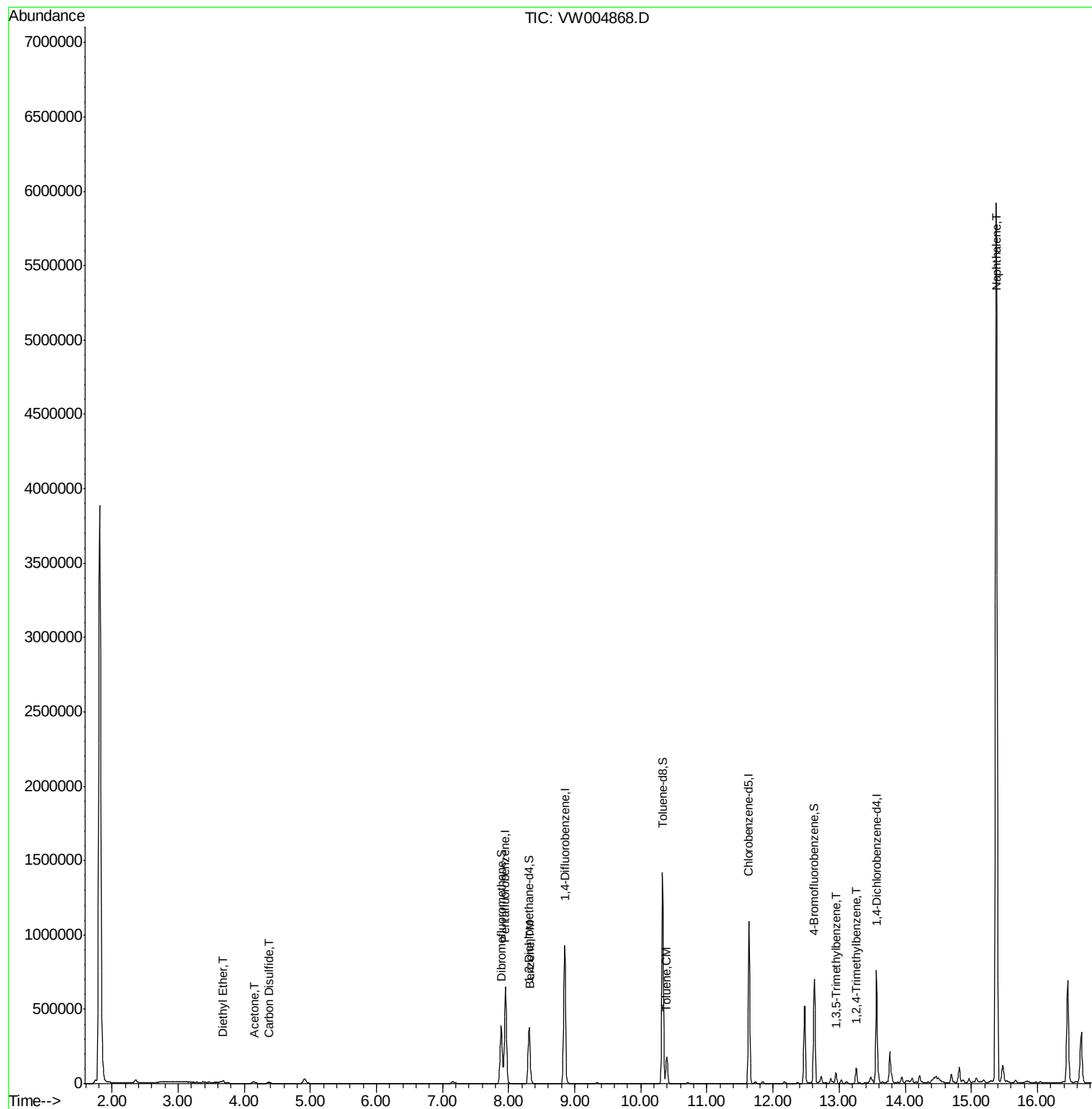
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	8376	3.05	ug/l	100
16) Acetone	4.15	43	21660	17.36	ug/l	93
17) Carbon Disulfide	4.38	76	18718	1.09	ug/l	99
40) Benzene	8.32	78	27931	1.19	ug/l	94
52) Toluene	10.39	92	79760	5.66	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	34671	2.90	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	57219	4.65	ug/l	99
95) Naphthalene	15.38	128	5079145	557.15	ug/l	100

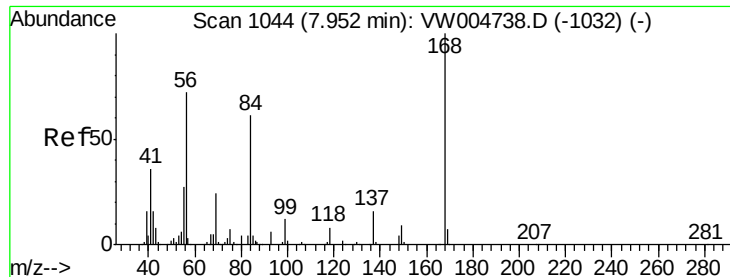
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 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: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

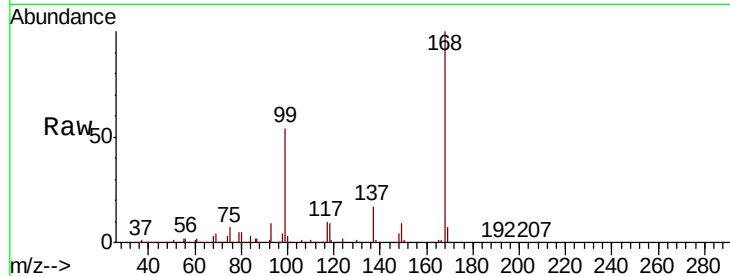
T25-COMP

Tot Ion:168 Resp: 505488

Ion Ratio Lower Upper

168 100

99 54.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

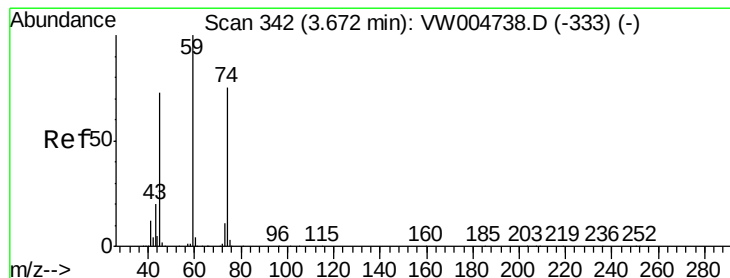
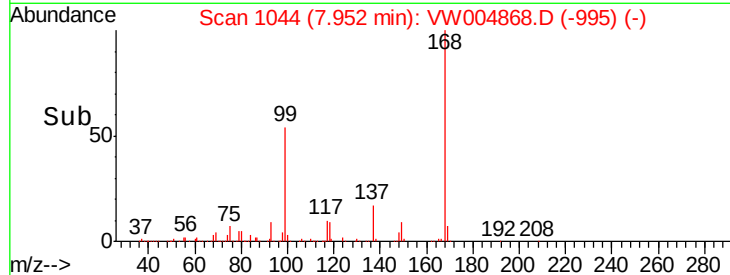
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 3.05 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004868.D

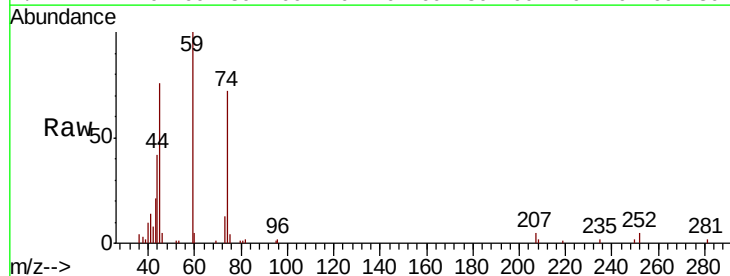
Acq: 22 Aug 2018 04:54

Tgt Ion: 74 Resp: 8376

Ion Ratio Lower Upper

74 100

45 99.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

4000

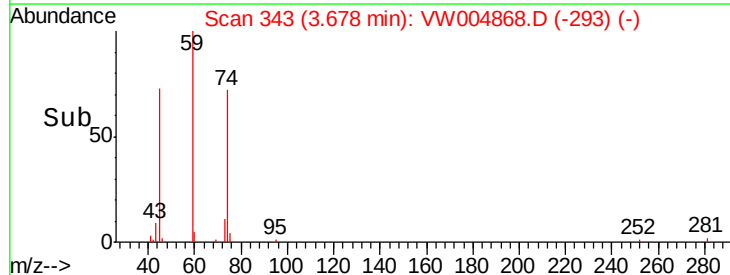
3000

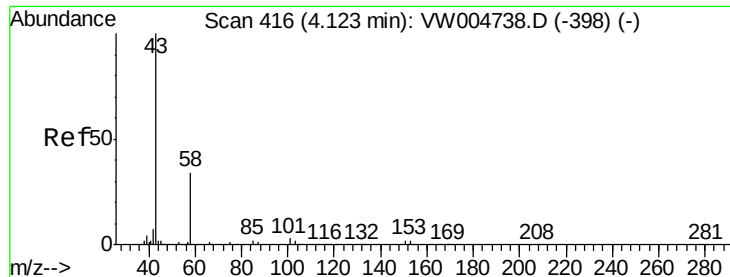
2000

1000

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 17.36 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

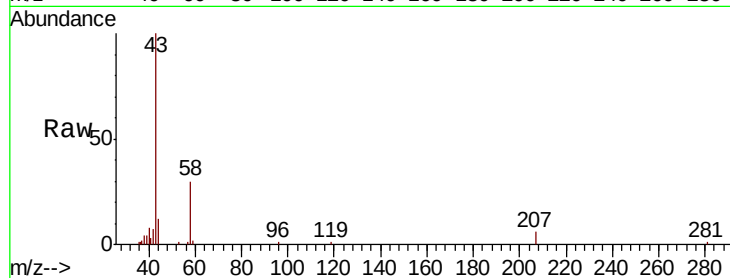
T25-COMP

Tot Ion: 43 Resp: 21660

Ion Ratio Lower Upper

43 100

58 30.3 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

8000

6000

4000

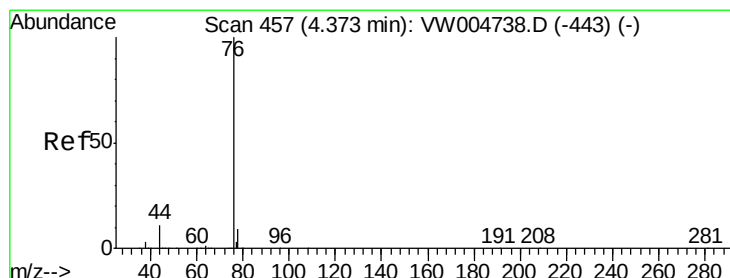
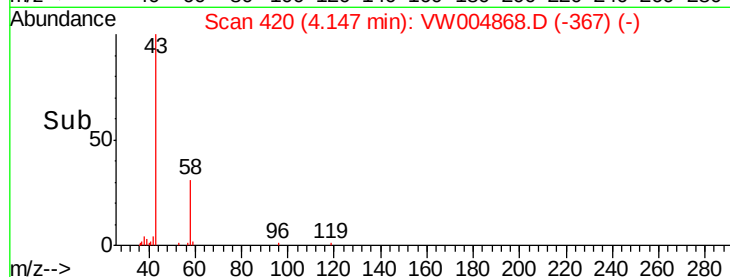
2000

0

4.15

4.10 4.15 4.20

Time-->



#17

Carbon Disulfide

Concen: 1.09 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004868.D

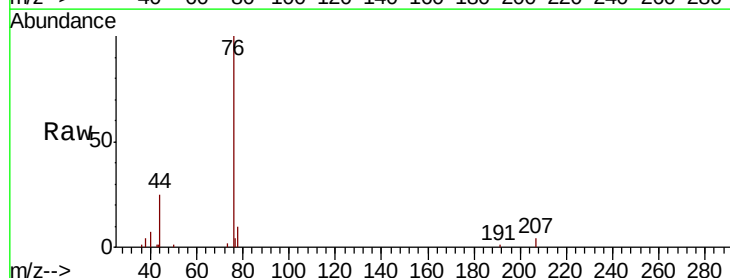
Acq: 22 Aug 2018 04:54

Tgt Ion: 76 Resp: 18718

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

6000

4000

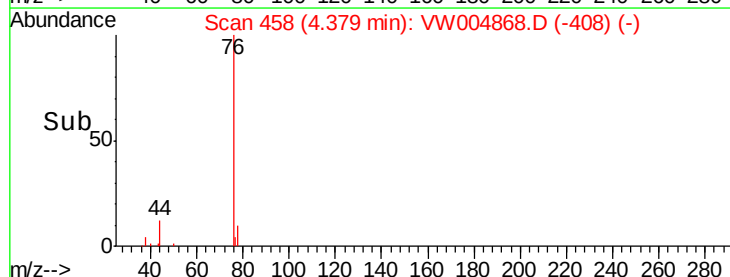
2000

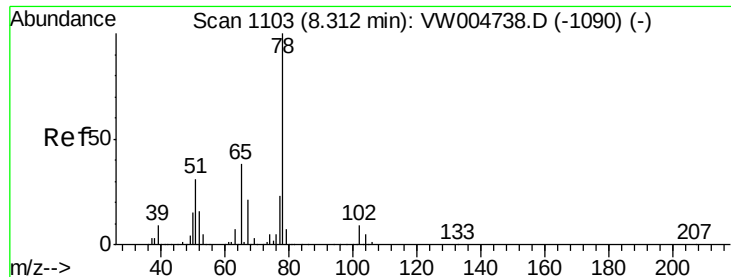
0

4.38

4.30 4.40 4.50

Time-->

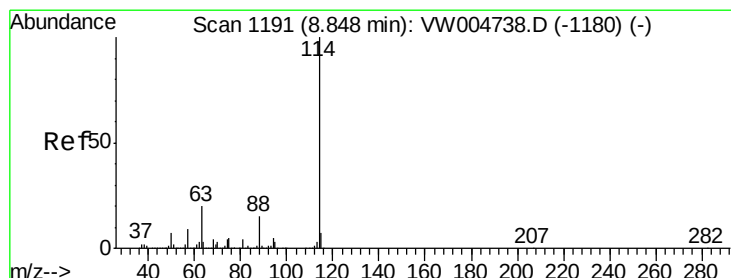
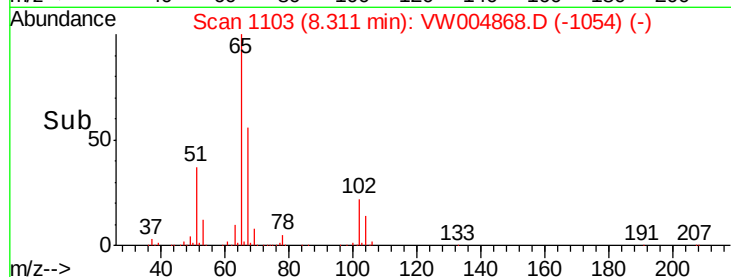
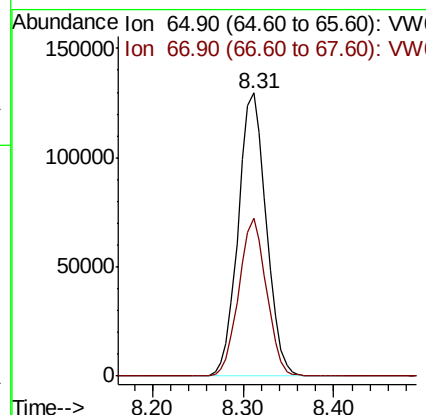
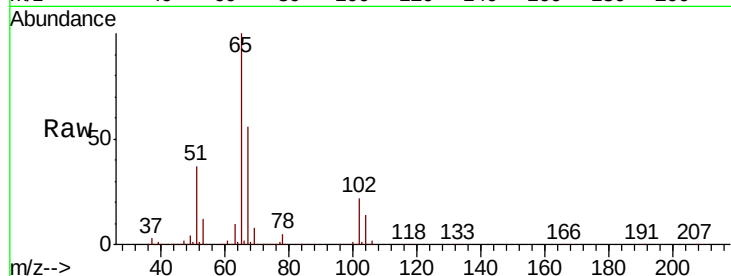




#33
 1,2-Dichloroethane-d4
 Concen: 56.99 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

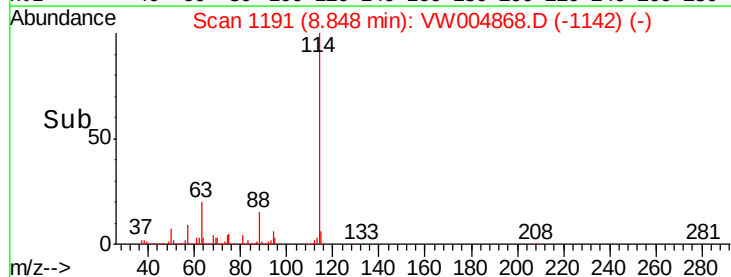
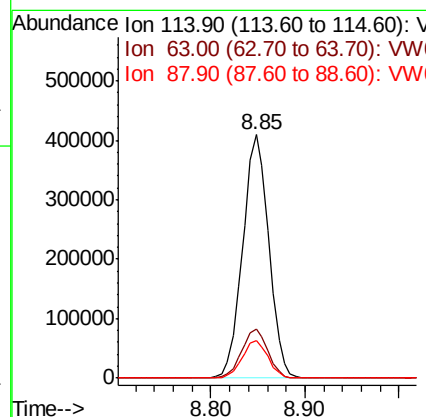
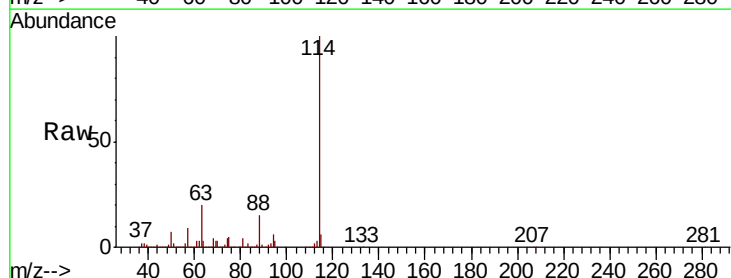
Instrument :
 MSVOA_W
 ClientSampled :
 T25-COMP

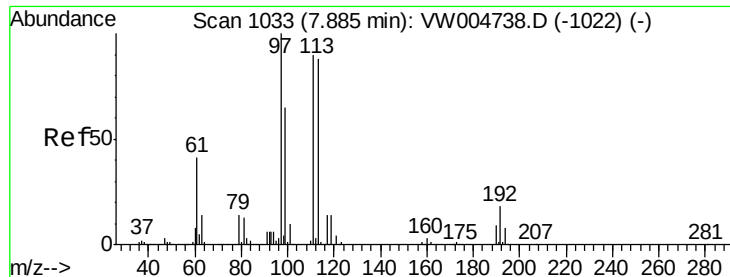
Tot Ion: 65 Resp: 278503
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion: 114 Resp: 785116
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.2 0.0 30.0

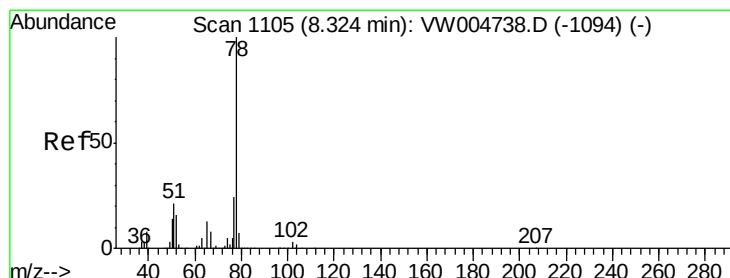
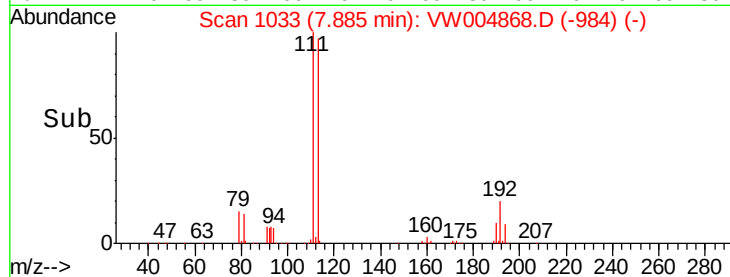
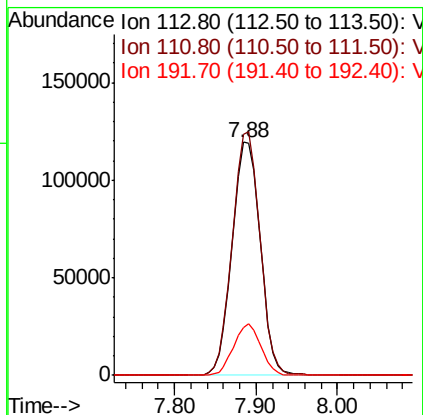
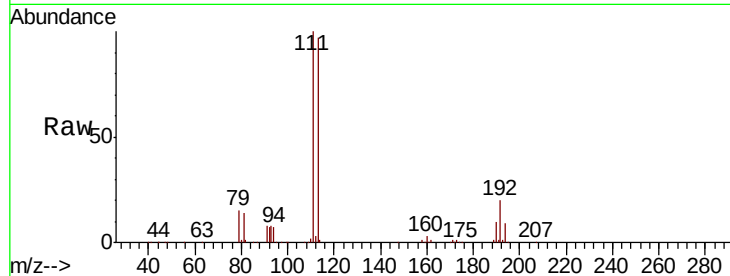




#35
 Dibromofluoromethane
 Concen: 56.80 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

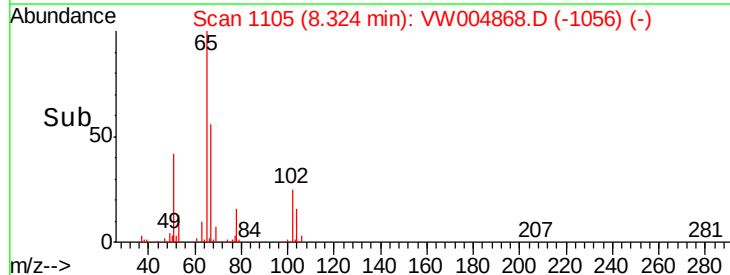
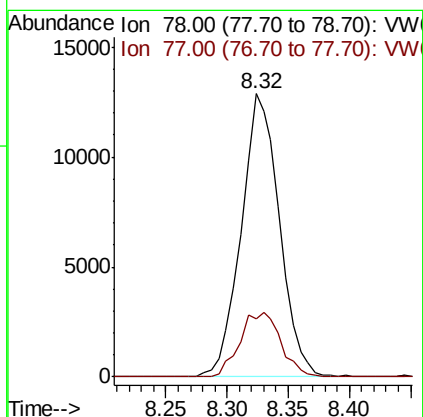
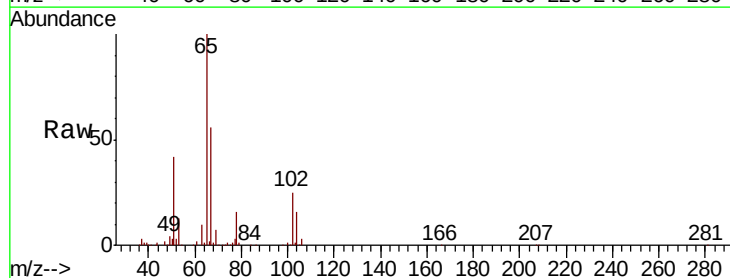
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

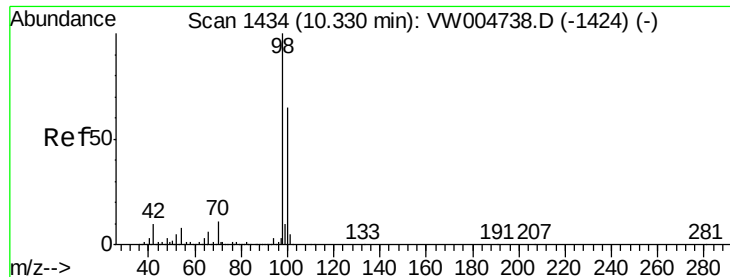
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	21.2	16.7	25.1



#40
 Benzene
 Concen: 1.19 ug/l
 RT: 8.32 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.6





#50

Toluene-d8

Concen: 47.78 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

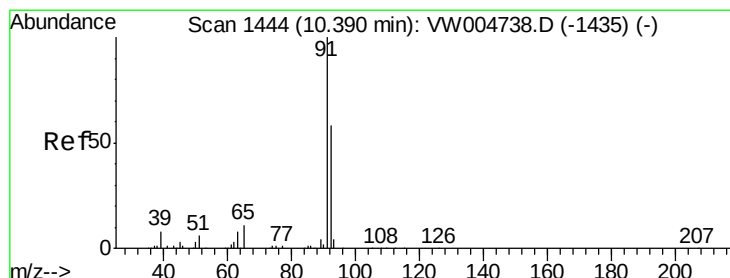
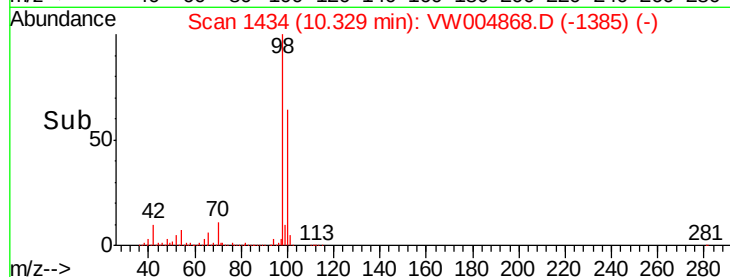
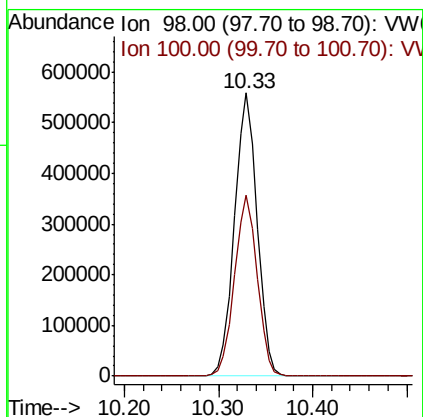
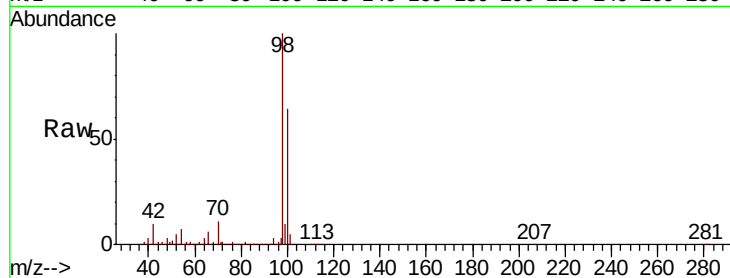
T25-COMP

Tot Ion: 98 Resp: 935960

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#52

Toluene

Concen: 5.66 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004868.D

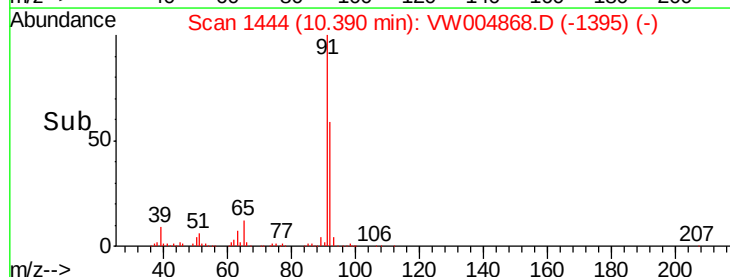
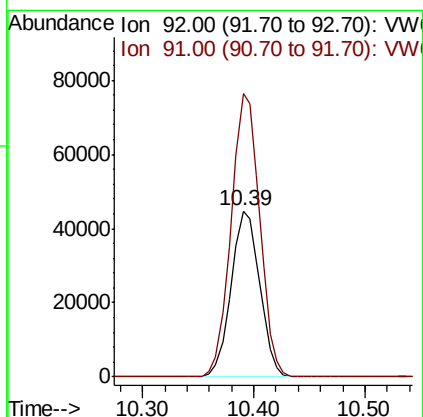
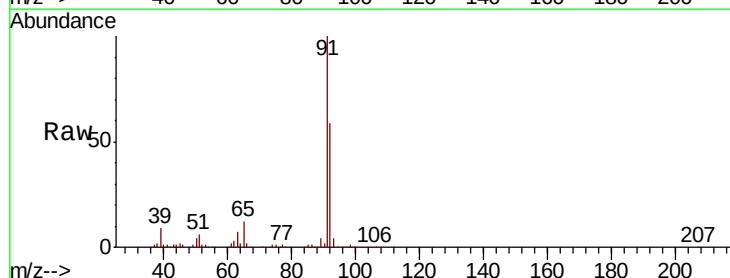
Acq: 22 Aug 2018 04:54

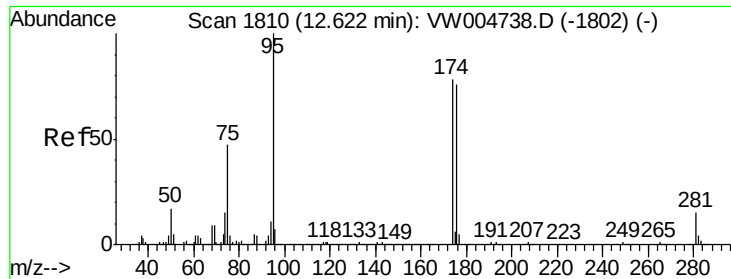
Tgt Ion: 92 Resp: 79760

Ion Ratio Lower Upper

92 100

91 170.7 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 34.19 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

Instrument :

MSVOA_W

ClientSampleId :

T25-COMP

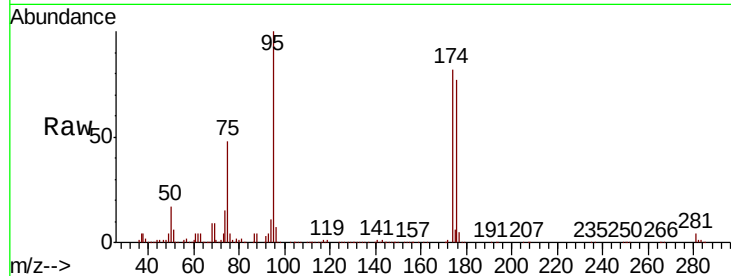
Tot Ion: 95 Resp: 240925

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

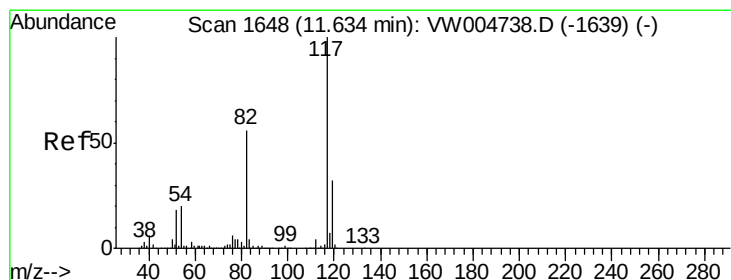
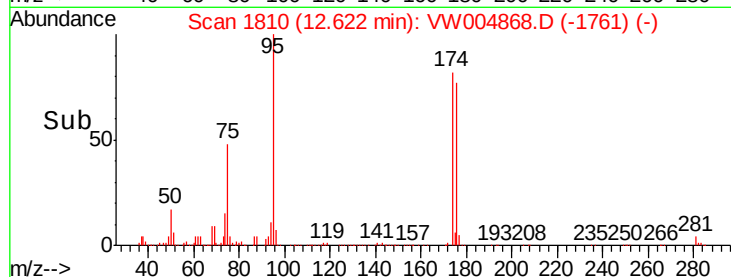
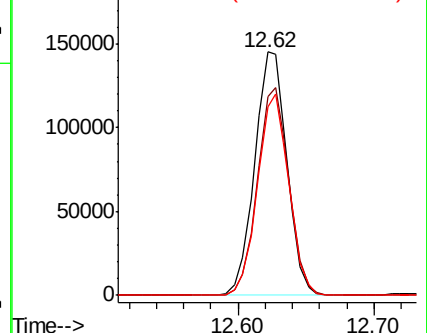
176 80.3 0.0 159.8



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. -0.00 min

Lab File: VW004868.D

Acq: 22 Aug 2018 04:54

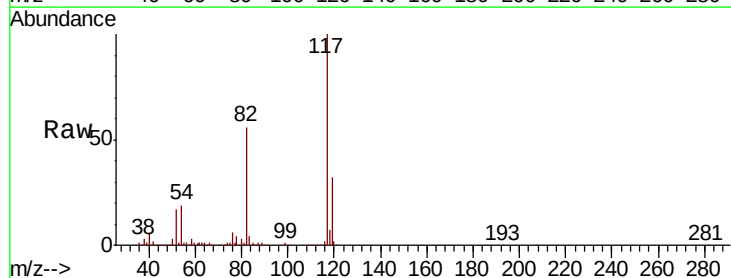
Tgt Ion: 117 Resp: 629859

Ion Ratio Lower Upper

117 100

82 56.3 44.6 67.0

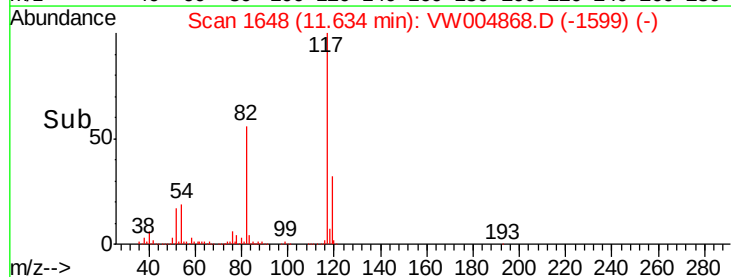
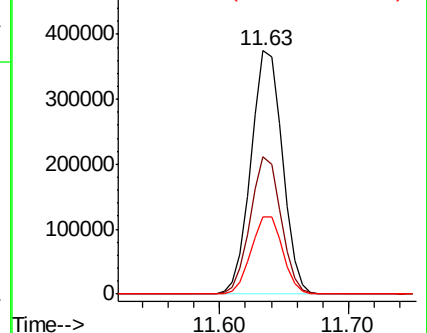
119 31.9 25.6 38.4

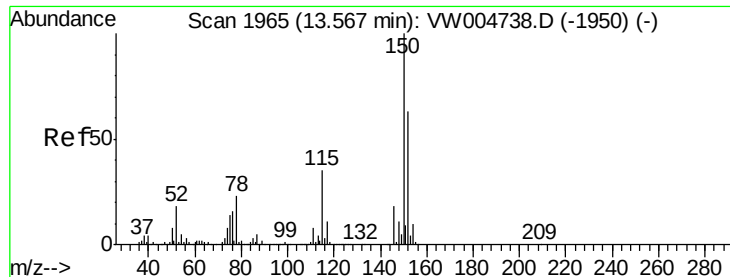


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

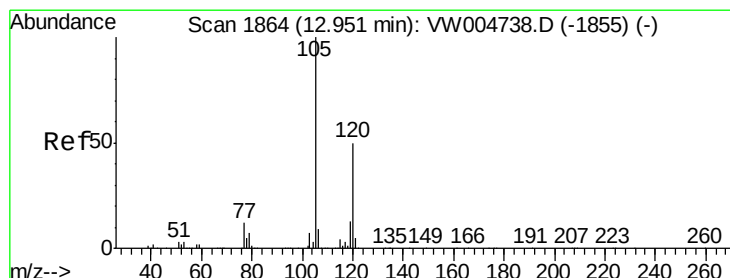
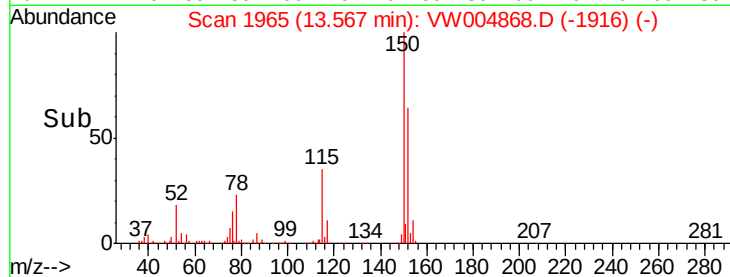
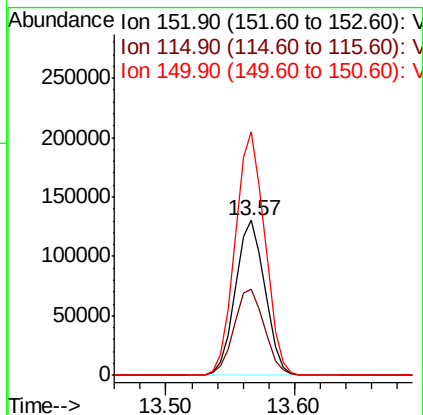
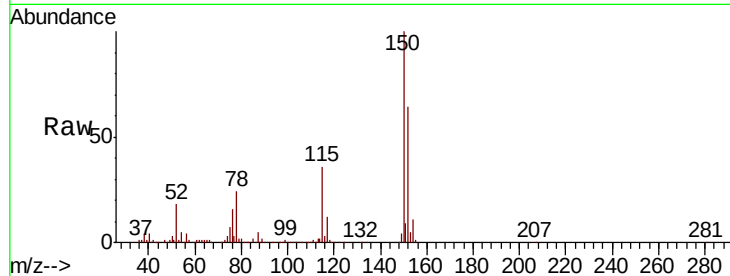




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

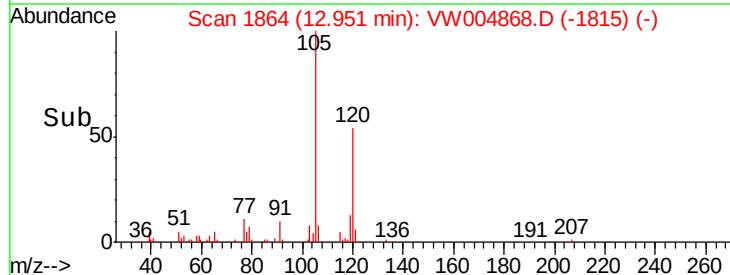
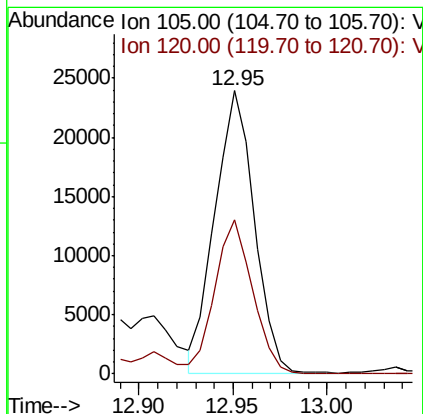
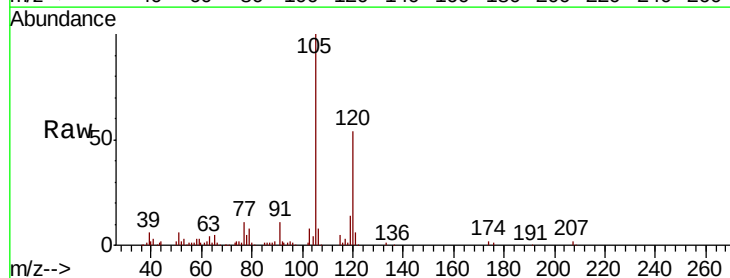
Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

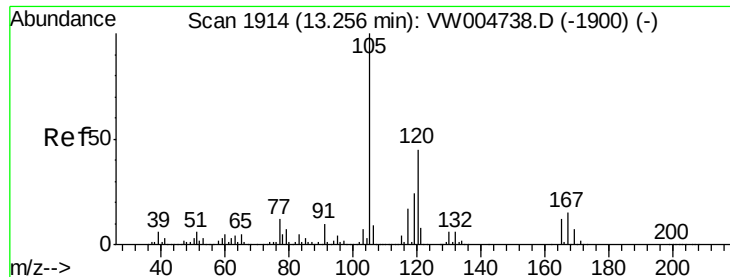
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.5	85.5
150	157.7	0.0	344.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.90 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.1	24.7	74.1

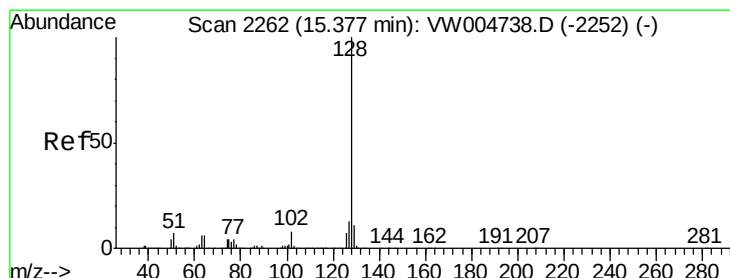
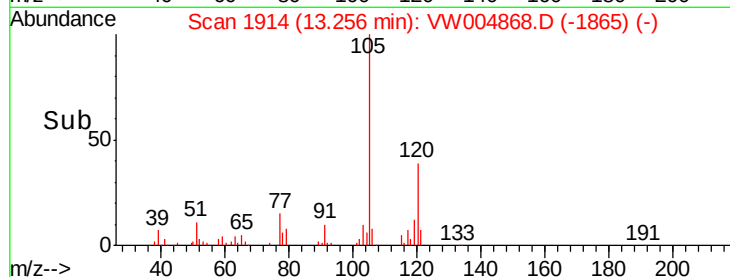
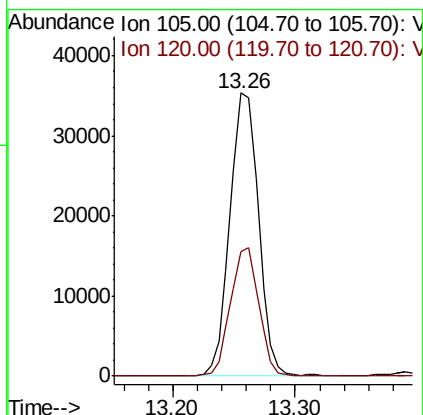
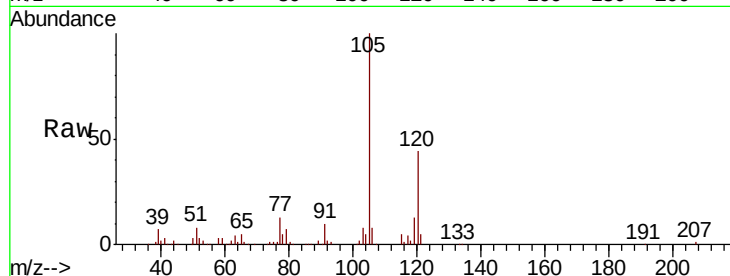




#84
 1,2,4-Trimethylbenzene
 Concen: 4.65 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Instrument :
 MSVOA_W
 ClientSampleId :
 T25-COMP

Tot Ion:105 Resp: 57219
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.3



#95
 Naphthalene
 Concen: 557.15 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004868.D
 Acq: 22 Aug 2018 04:54

Tgt Ion:128 Resp: 5079145
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 8.6 13.0

