

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001125.D
 Acq On : 29 Jan 2018 18:21
 Operator : JC/SY
 Sample : J1022-10
 Misc : 4.29G/5.0ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-012618

Quant Time: Jan 30 14:49:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	8840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	12201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	10373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	4649	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	4886	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
35) Dibromofluoromethane	7.88	113	1176	15.07	ug/l	0.00
Spiked Amount			Recovery	=	30.14%	
50) Toluene-d8	10.34	98	15678	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.63	95	4633	41.86	ug/l	0.00
Spiked Amount			Recovery	=	83.72%	

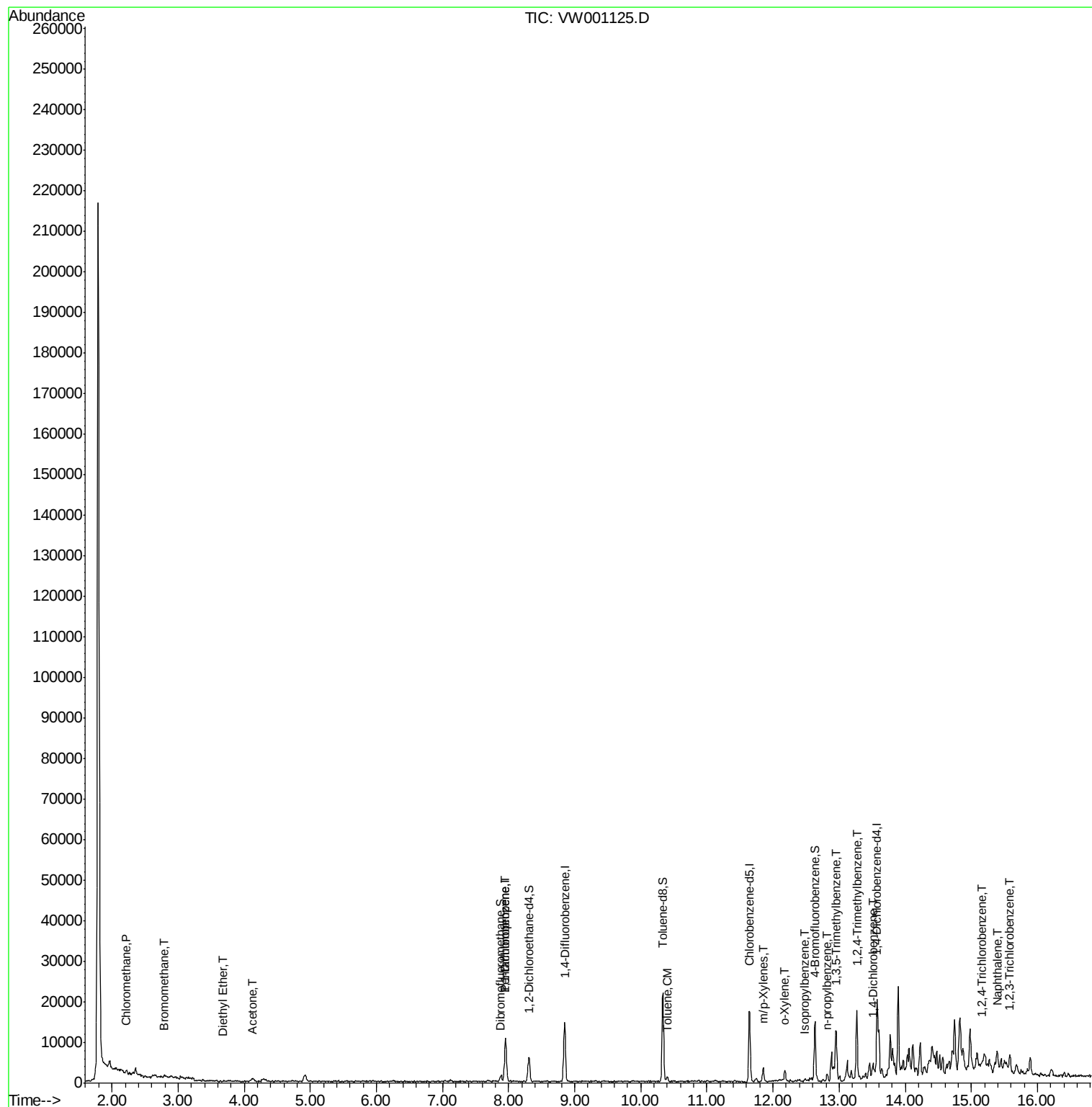
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	307	4.69	ug/l #	51
5) Bromomethane	2.79	94	347	3.64	ug/l	87
8) Diethyl Ether	3.68	74	40	1.27	ug/l #	3
16) Acetone	4.13	43	1410	62.40	ug/l #	79
36) 1,1-Dichloropropene	7.95	75	662	6.01	ug/l #	40
52) Toluene	10.40	92	649	3.31	ug/l	81
68) m/p-Xylenes	11.85	106	783	5.75	ug/l	98
69) o-Xylene	12.18	106	664	5.29	ug/l	96
73) Isopropylbenzene	12.48	105	528	1.81	ug/l #	70
78) n-propylbenzene	12.82	91	1618	4.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	3163	12.70	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	9129	36.02	ug/l	99
88) 1,4-Dichlorobenzene	13.52	146	477	3.18	ug/l	88
93) 1,2,4-Trichlorobenzene	15.15	180	467	4.65	ug/l #	46
95) Naphthalene	15.39	128	4249	21.42	ug/l	96
96) 1,2,3-Trichlorobenzene	15.58	180	586	6.32	ug/l #	81

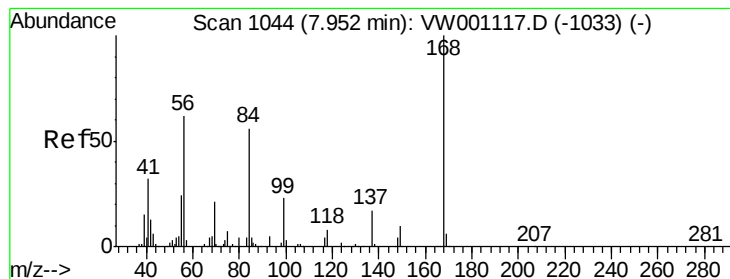
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
Data File : VW001125.D
Acq On : 29 Jan 2018 18:21
Operator : JC/SY
Sample : J1022-10
Misc : 4.29G/5.0ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-03-012618

Quant Time: Jan 30 14:49:51 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 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: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

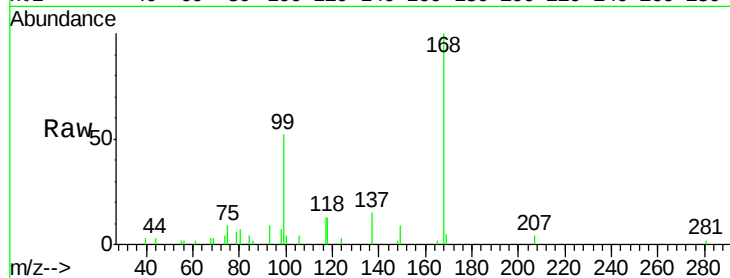
SU-03-012618

Tot Ion:168 Resp: 8840

Ion Ratio Lower Upper

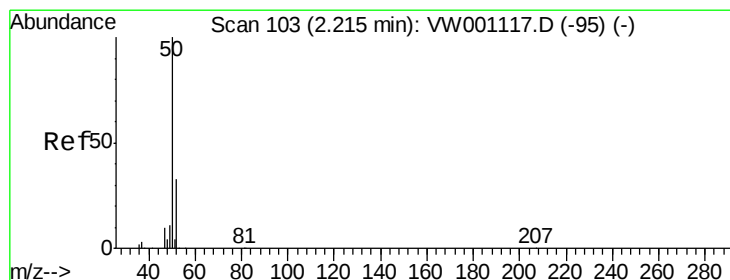
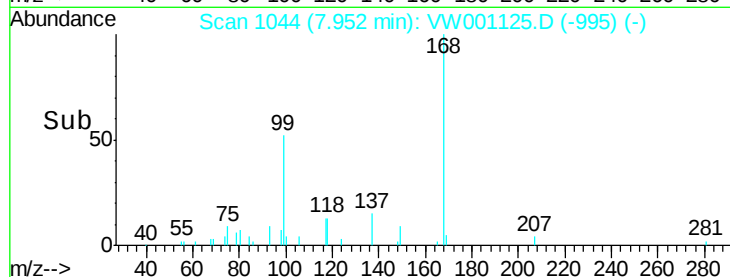
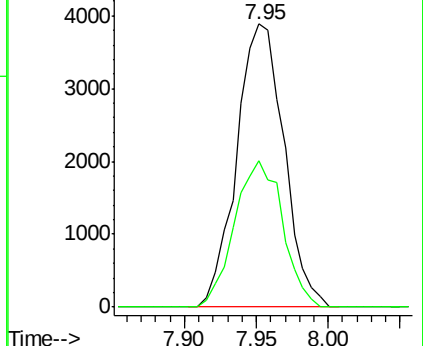
168 100

99 51.9 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 4.69 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001125.D

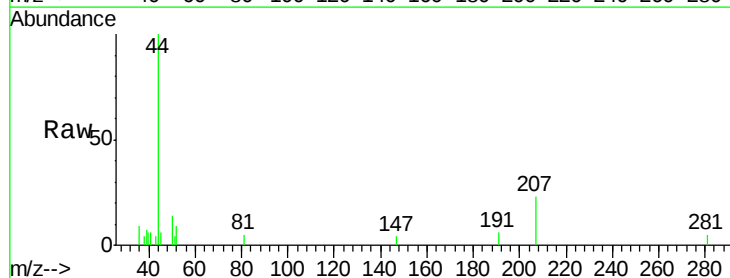
Acq: 29 Jan 2018 18:21

Tgt Ion: 50 Resp: 307

Ion Ratio Lower Upper

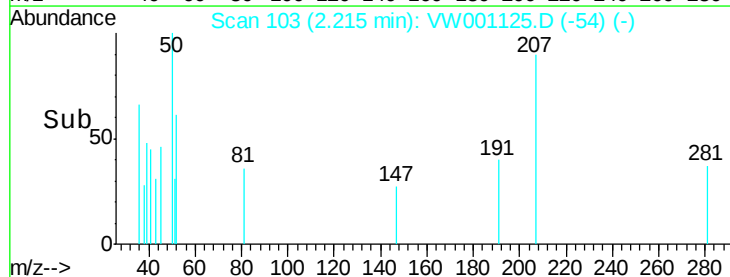
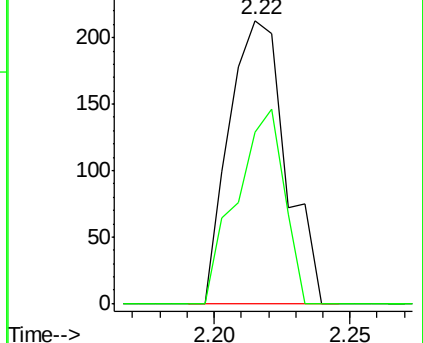
50 100

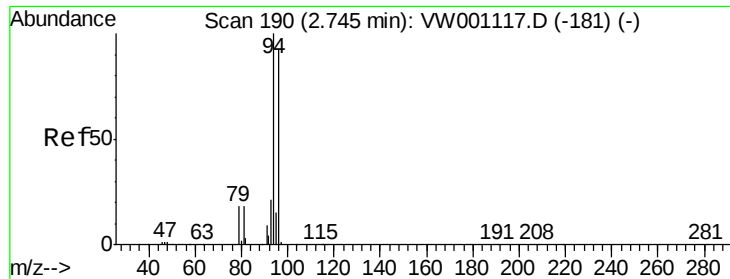
52 60.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#5

Bromomethane

Concen: 3.64 ug/l

RT: 2.79 min Scan# 198

Delta R.T. 0.05 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

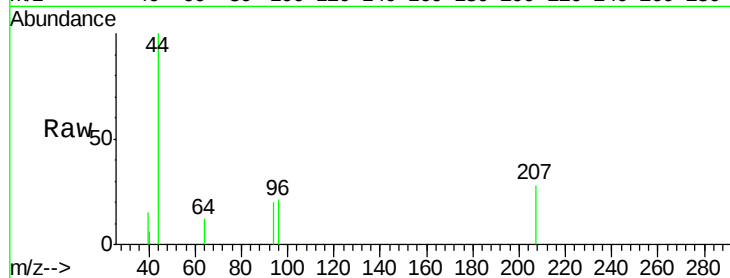
SU-03-012618

Tot Ion: 94 Resp: 347

Ion Ratio Lower Upper

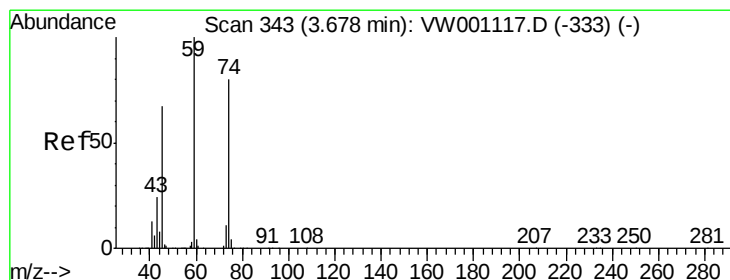
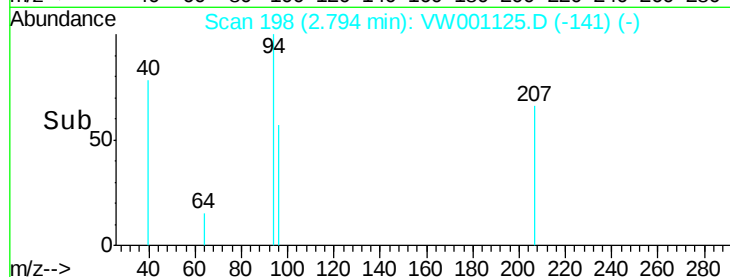
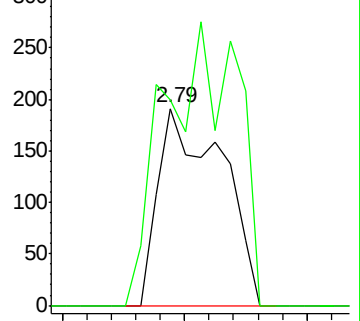
94 100

96 104.7 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 1.27 ug/l

RT: 3.68 min Scan# 343

Delta R.T. -0.00 min

Lab File: VW001125.D

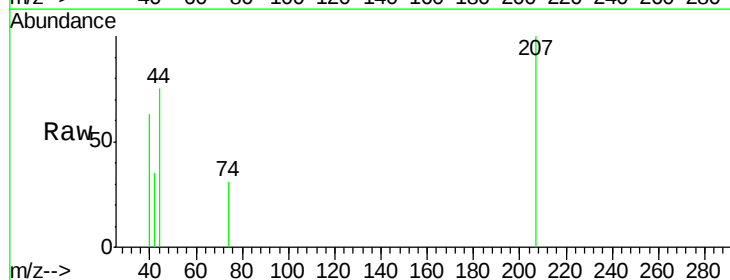
Acq: 29 Jan 2018 18:21

Tgt Ion: 74 Resp: 40

Ion Ratio Lower Upper

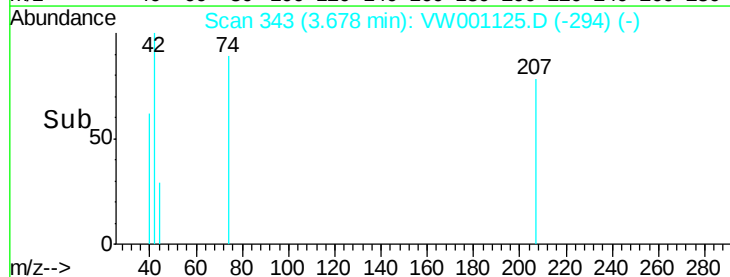
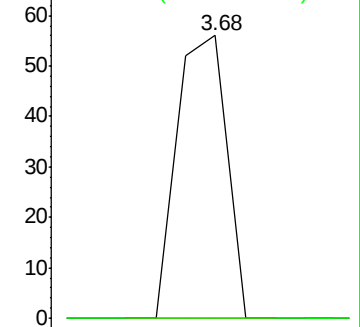
74 100

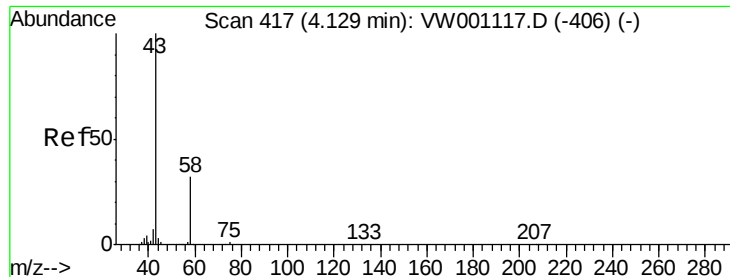
45 0.0 46.7 140.1#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 62.40 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

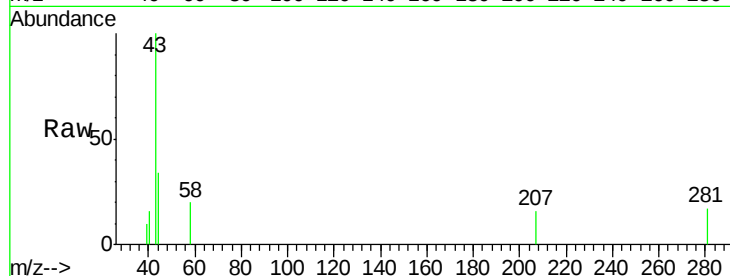
SU-03-012618

Tot Ion: 43 Resp: 1410

Ion Ratio Lower Upper

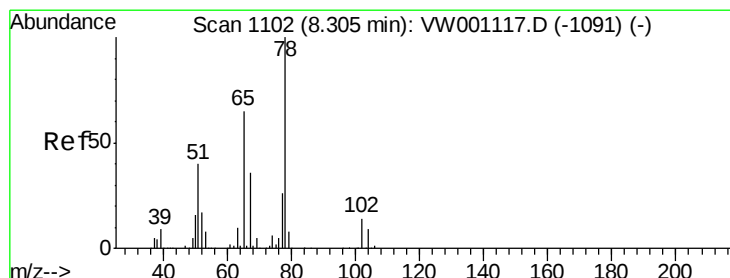
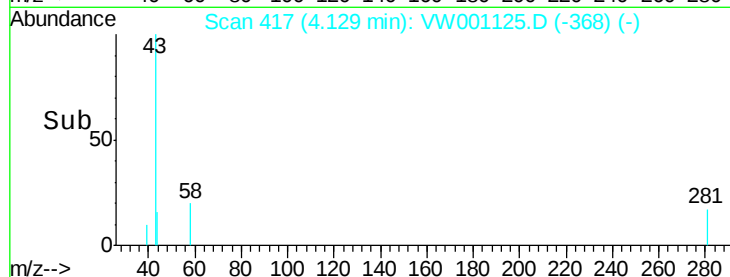
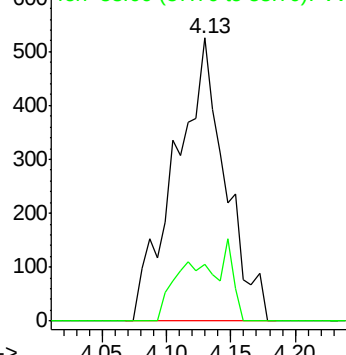
43 100

58 20.2 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#33

1,2-Dichloroethane-d4

Concen: 56.85 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW001125.D

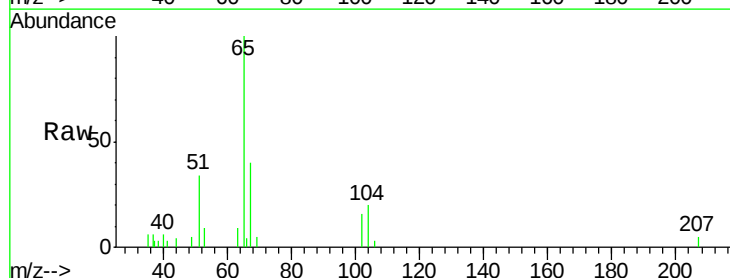
Acq: 29 Jan 2018 18:21

Tgt Ion: 65 Resp: 4886

Ion Ratio Lower Upper

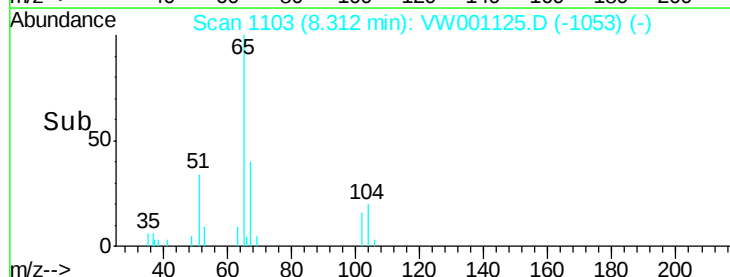
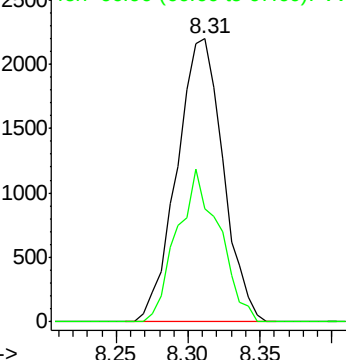
65 100

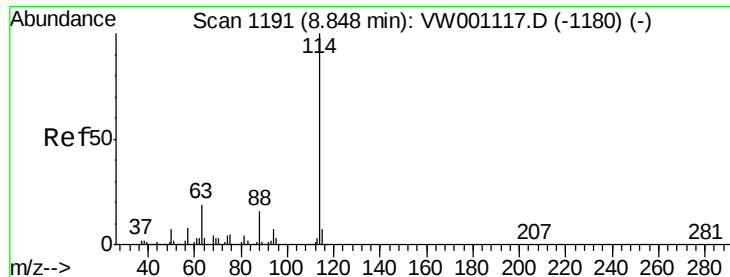
67 49.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

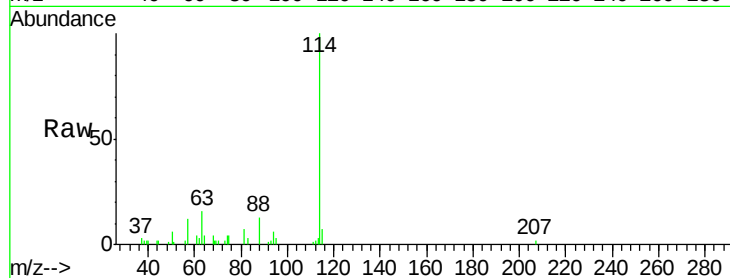




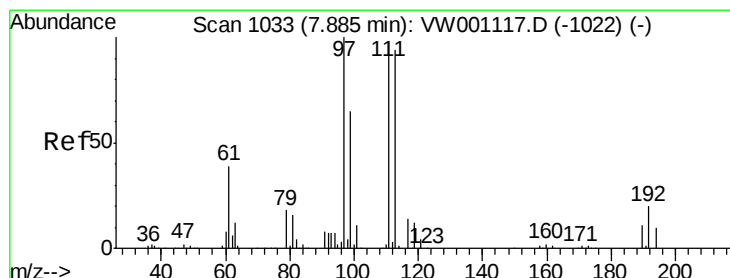
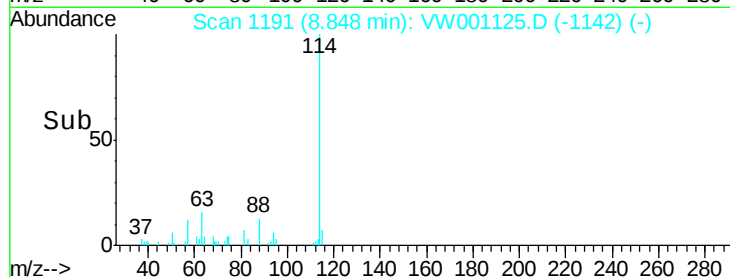
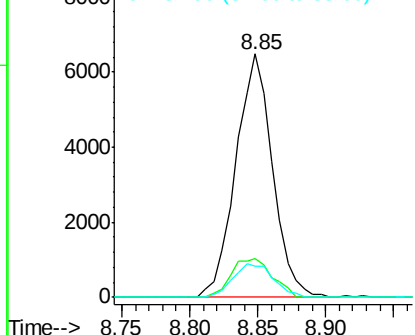
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001125.D
 Acq: 29 Jan 2018 18:21

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-012618

Tot Ion:114 Resp: 12201
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 38.2
 88 13.0 0.0 31.0

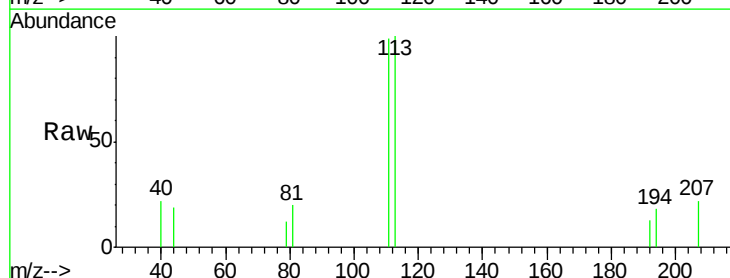


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

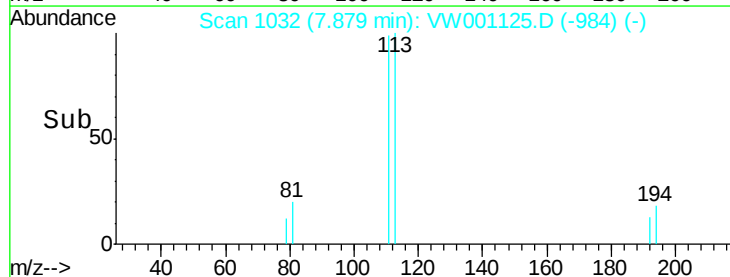
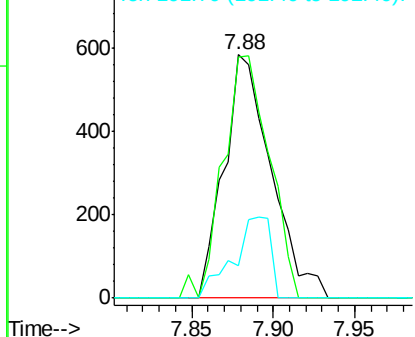


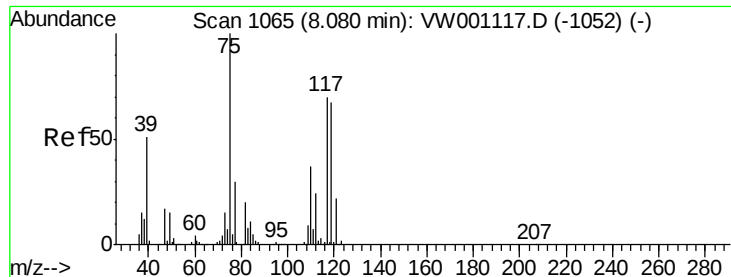
#35
 Dibromofluoromethane
 Concen: 15.07 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW001125.D
 Acq: 29 Jan 2018 18:21

Tgt Ion:113 Resp: 1176
 Ion Ratio Lower Upper
 113 100
 111 97.4 83.1 124.7
 192 26.5 17.8 26.6



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





#36

1,1-Dichloropropene

Concen: 6.01 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

SU-03-012618

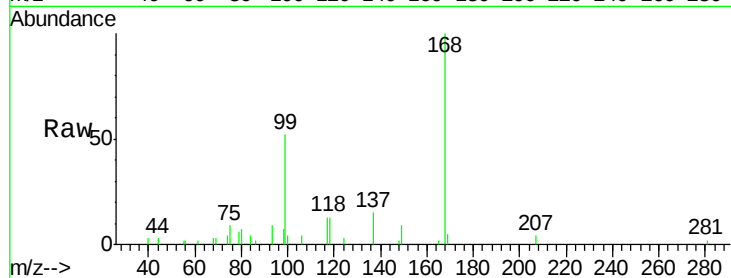
Tot Ion: 75 Resp: 662

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

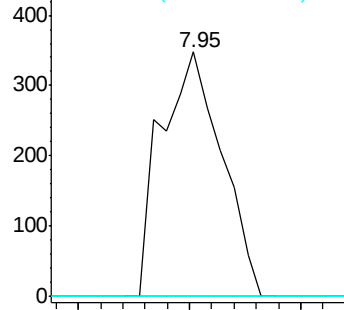
77 0.0 24.6 37.0#



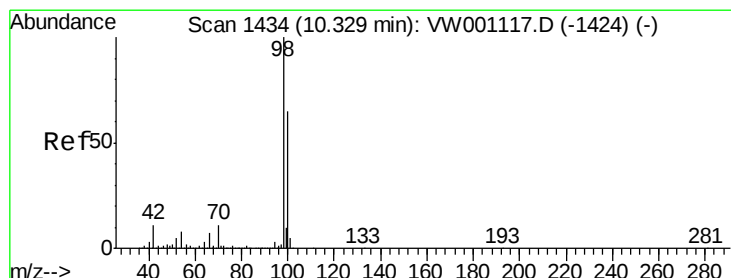
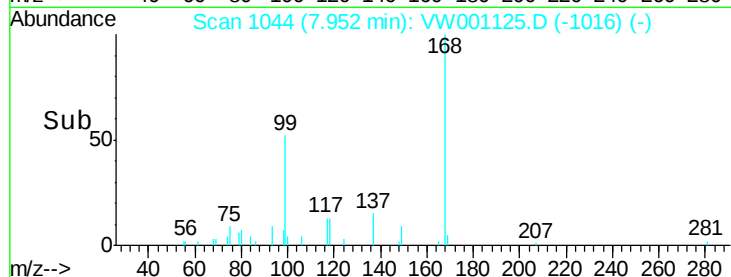
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->



#50

Toluene-d8

Concen: 52.19 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW001125.D

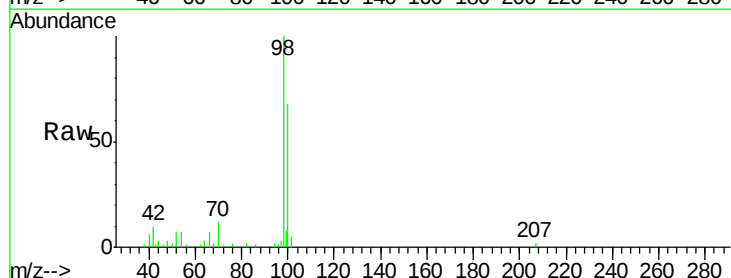
Acq: 29 Jan 2018 18:21

Tgt Ion: 98 Resp: 15678

Ion Ratio Lower Upper

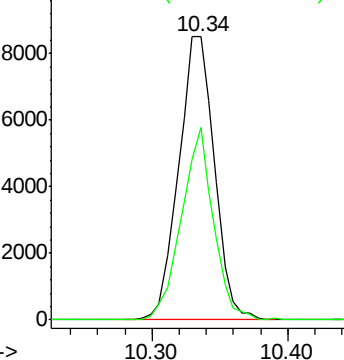
98 100

100 60.7 51.3 76.9

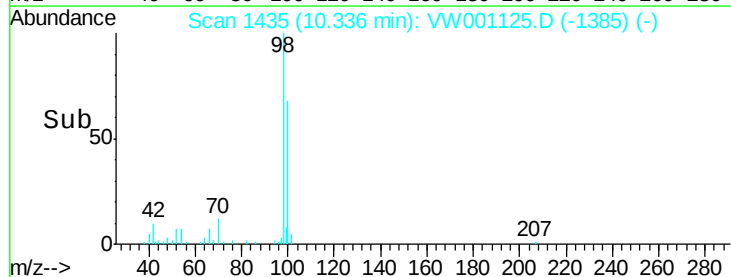


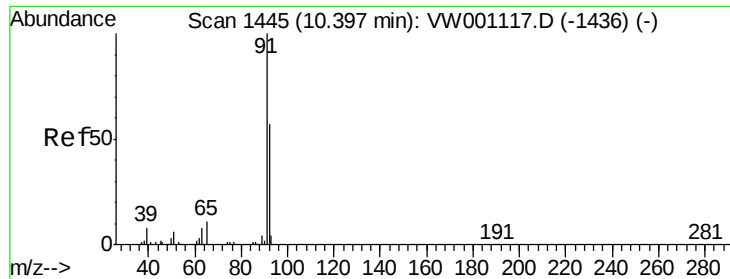
Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



Time-->





#52

Toluene

Concen: 3.31 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

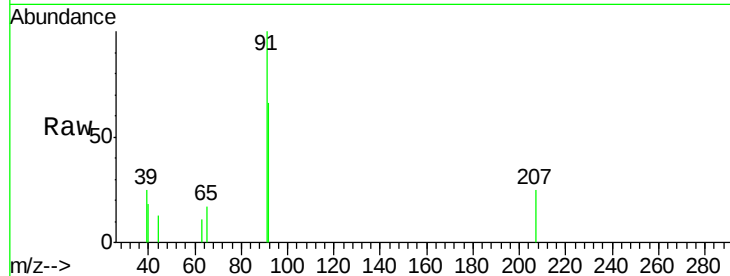
SU-03-012618

Tot Ion: 92 Resp: 649

Ion Ratio Lower Upper

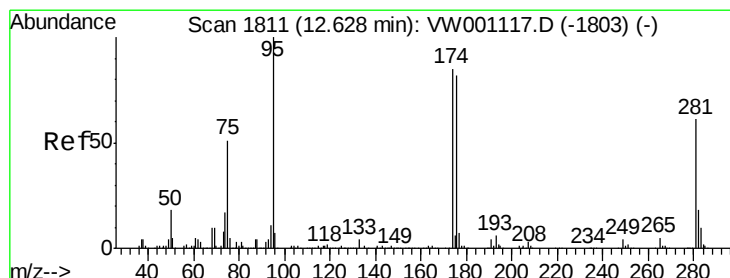
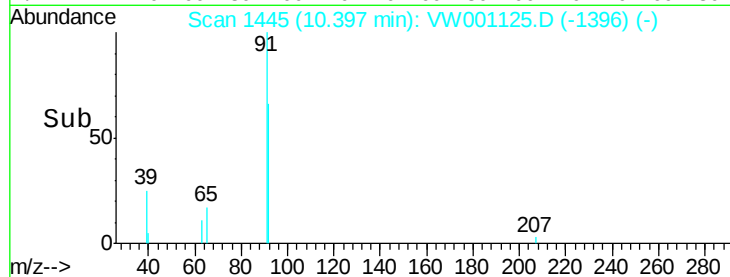
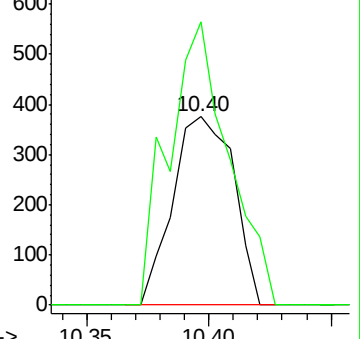
92 100

91 148.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 41.86 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

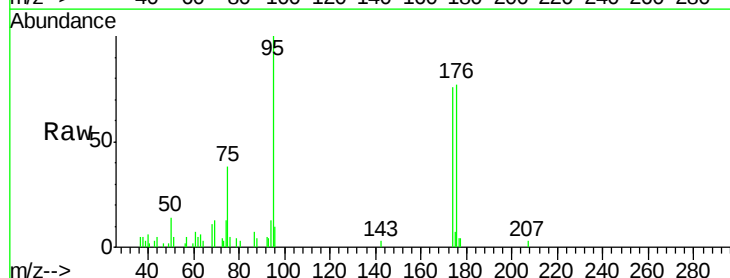
Tgt Ion: 95 Resp: 4633

Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.6

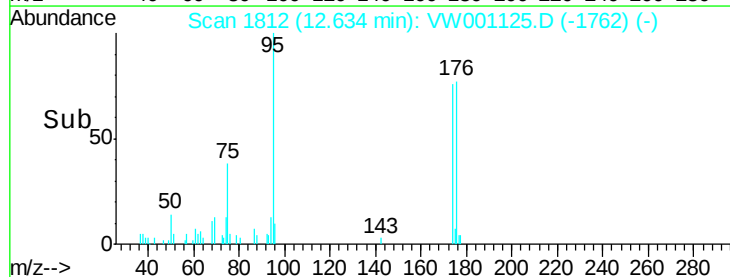
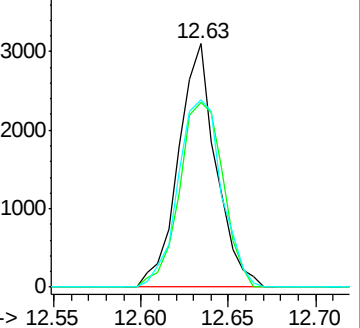
176 89.8 0.0 174.4

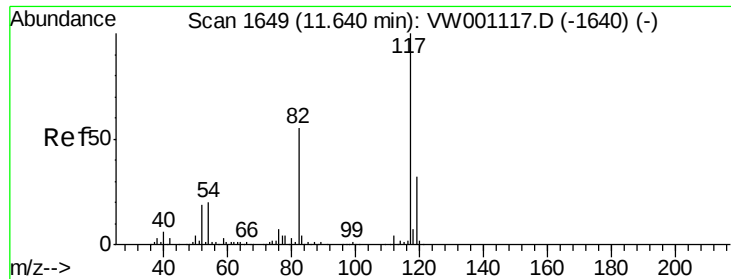


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

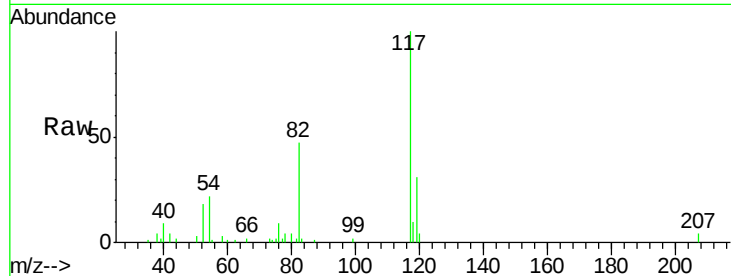




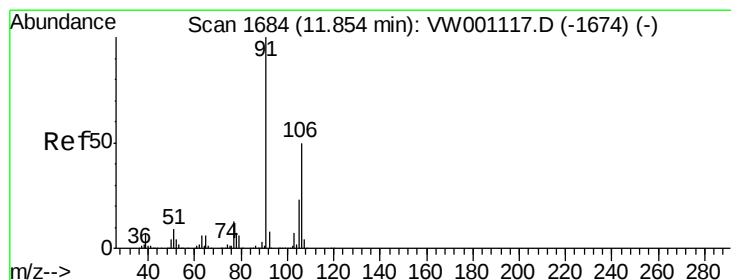
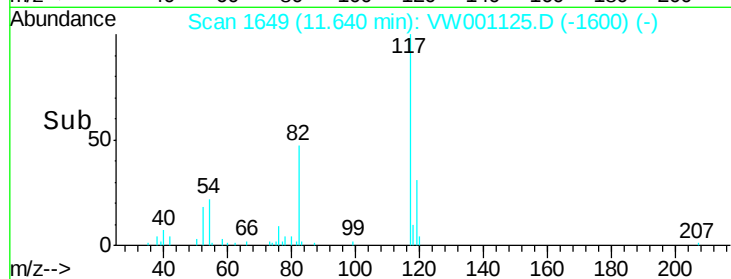
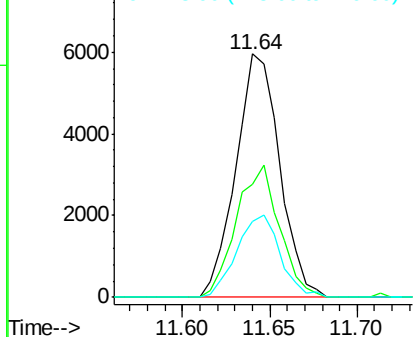
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001125.D
Acq: 29 Jan 2018 18:21

Instrument :
MSVOA_W
ClientSampleId :
SU-03-012618

Tot Ion:117 Resp: 10373
Ion Ratio Lower Upper
117 100
82 46.6 43.8 65.8
119 31.3 25.8 38.8

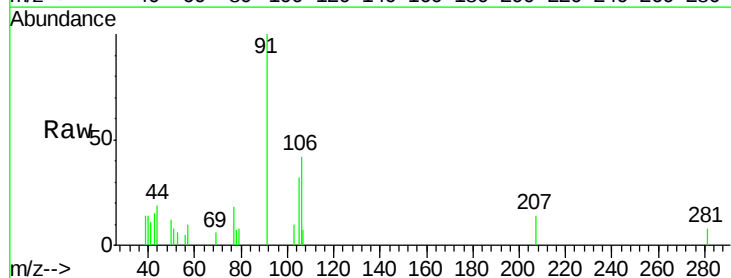


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

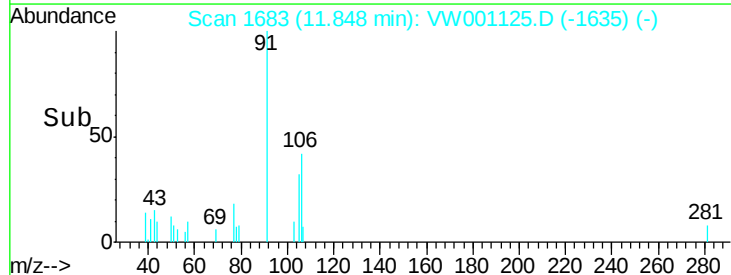
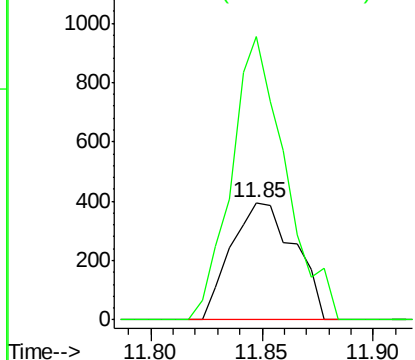


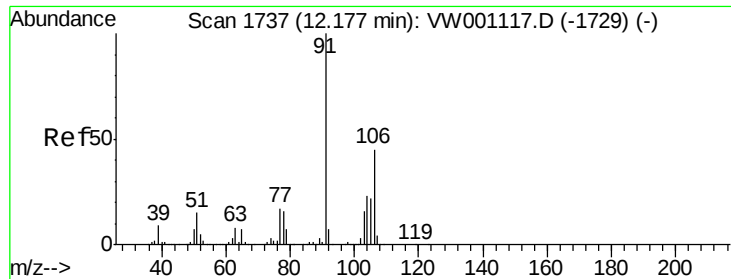
#68
m/p-Xylenes
Concen: 5.75 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW001125.D
Acq: 29 Jan 2018 18:21

Tgt Ion:106 Resp: 783
Ion Ratio Lower Upper
106 100
91 206.4 163.1 244.7



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

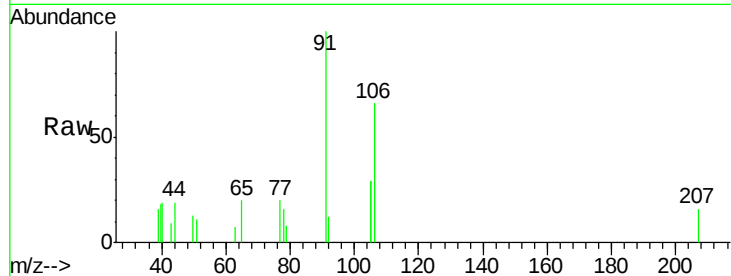




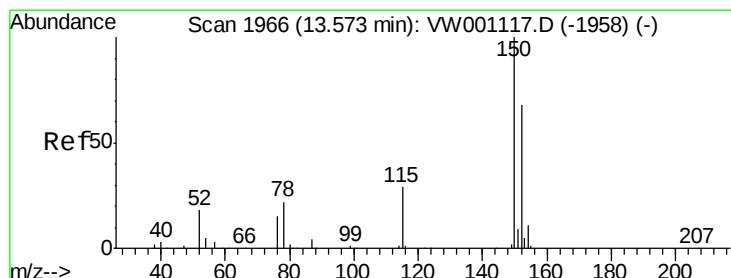
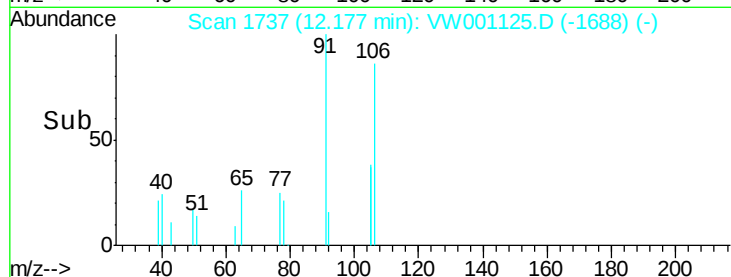
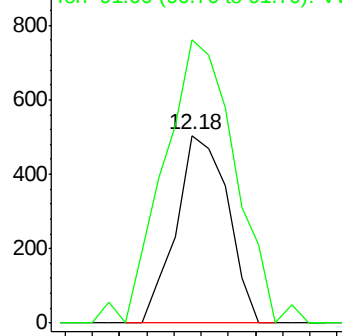
#69
o-Xylene
Concen: 5.29 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001125.D
Acq: 29 Jan 2018 18:21

Instrument :
MSVOA_W
ClientSampleId :
SU-03-012618

Tot Ion:106 Resp: 664
Ion Ratio Lower Upper
106 100
91 209.6 107.6 322.8

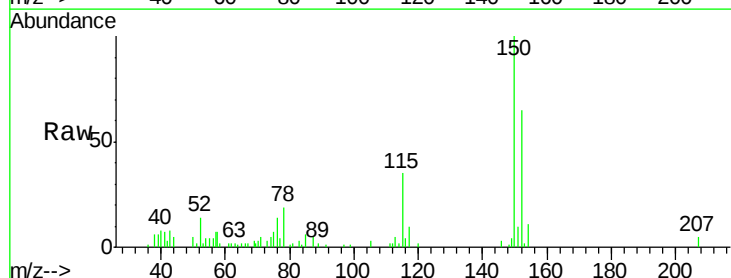


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

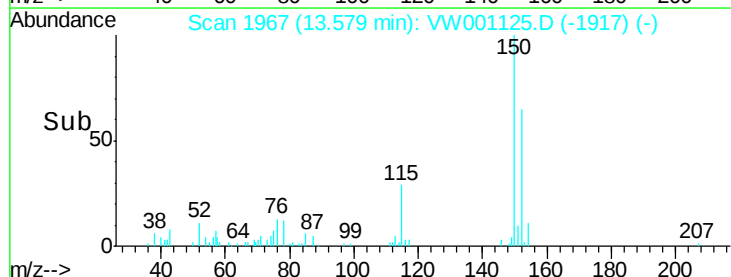
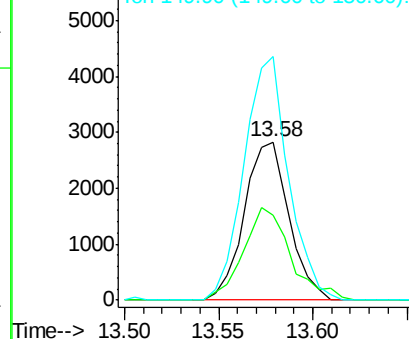


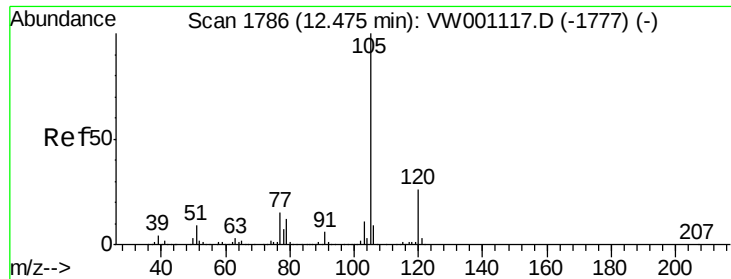
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VW001125.D
Acq: 29 Jan 2018 18:21

Tgt Ion:152 Resp: 4649
Ion Ratio Lower Upper
152 100
115 61.7 28.4 85.3
150 153.3 0.0 342.4



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: 1.81 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

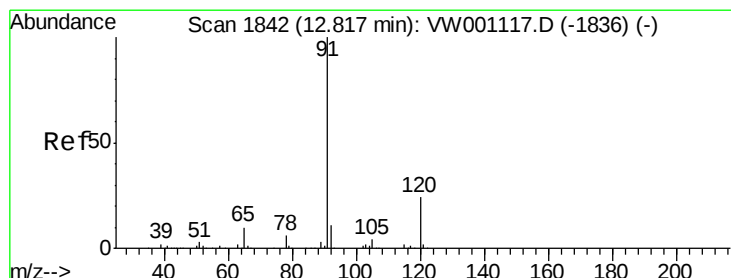
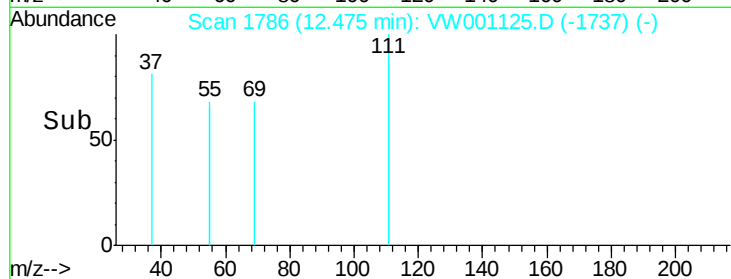
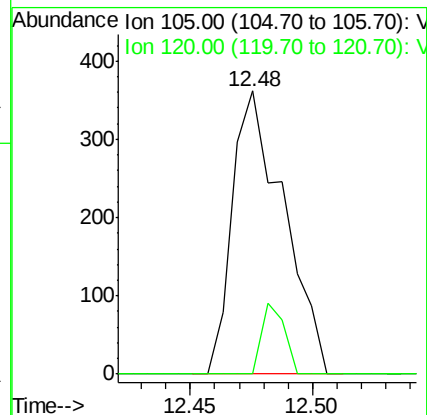
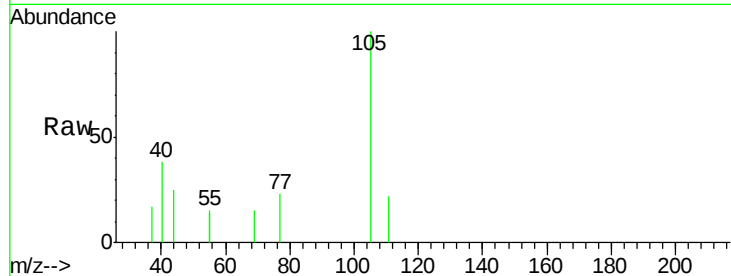
SU-03-012618

Tot Ion: 105 Resp: 528

Ion Ratio Lower Upper

105 100

120 11.2 13.3 39.9#



#78

n-propylbenzene

Concen: 4.64 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VW001125.D

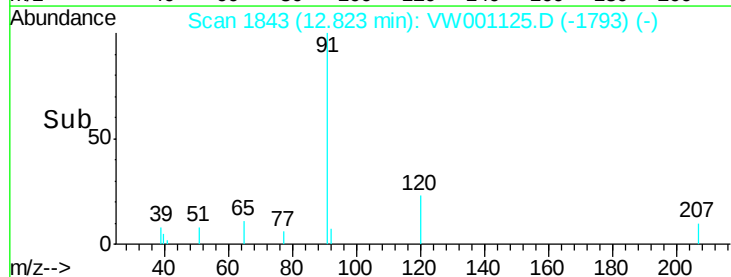
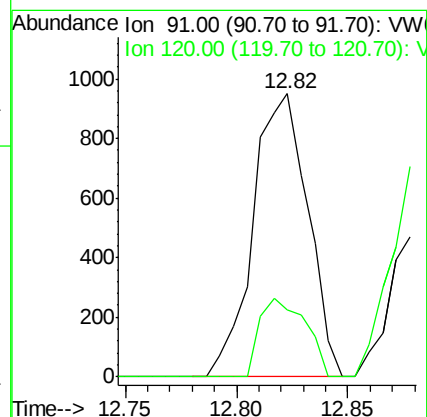
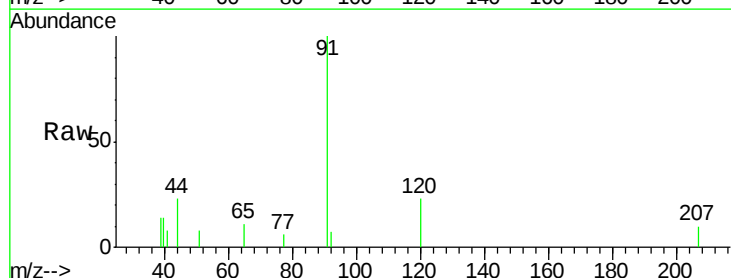
Acq: 29 Jan 2018 18:21

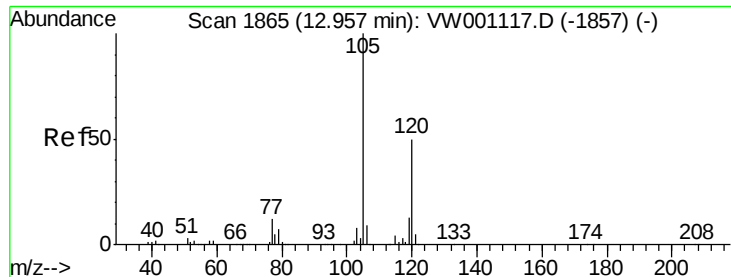
Tgt Ion: 91 Resp: 1618

Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.7





#80

1,3,5-Trimethylbenzene

Concen: 12.70 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

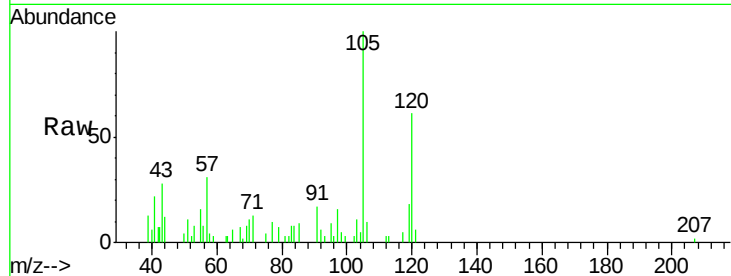
SU-03-012618

Tot Ion:105 Resp: 3163

Ion Ratio Lower Upper

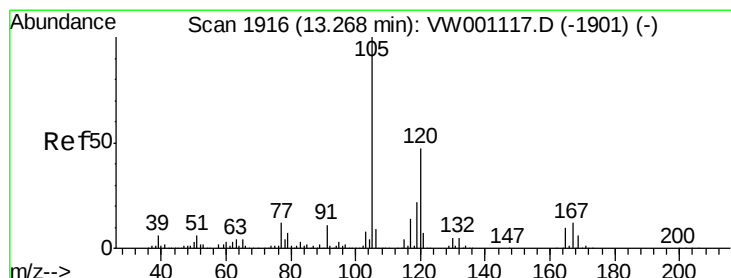
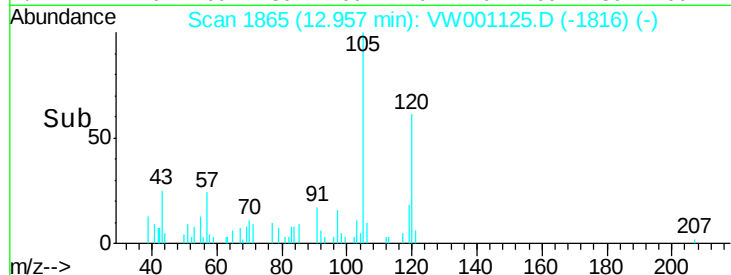
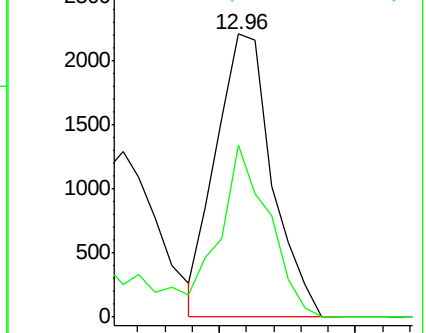
105 100

120 52.7 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 36.02 ug/l

RT: 13.27 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW001125.D

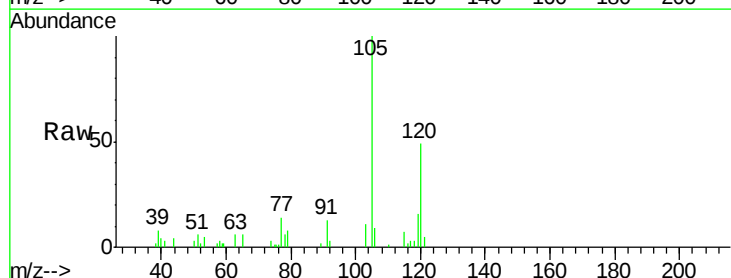
Acq: 29 Jan 2018 18:21

Tgt Ion:105 Resp: 9129

Ion Ratio Lower Upper

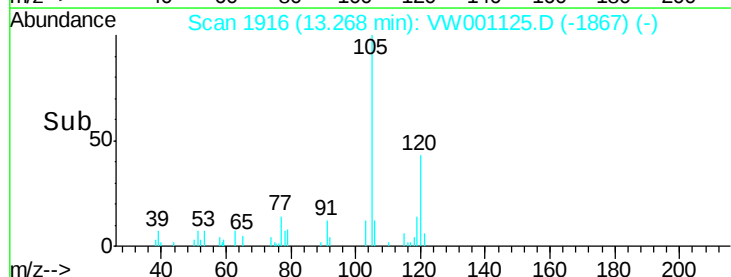
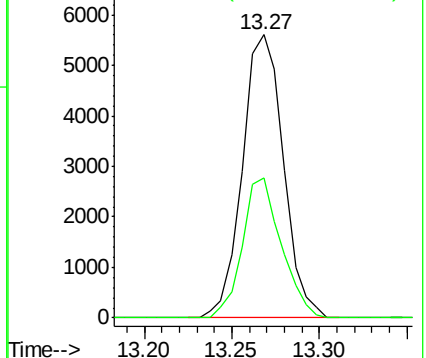
105 100

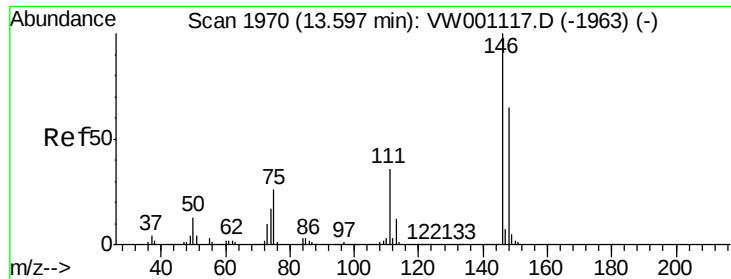
120 46.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

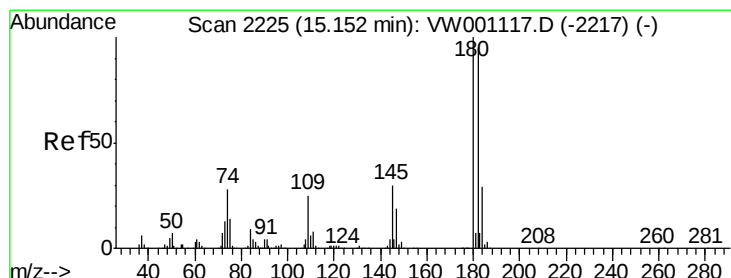
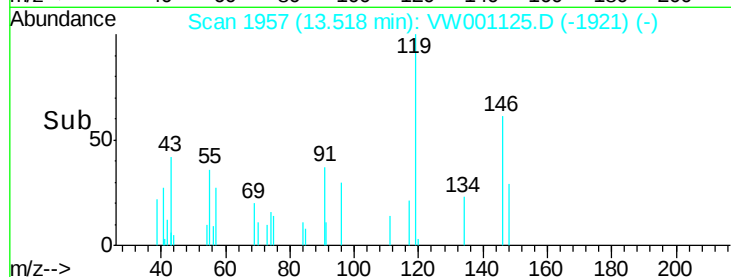
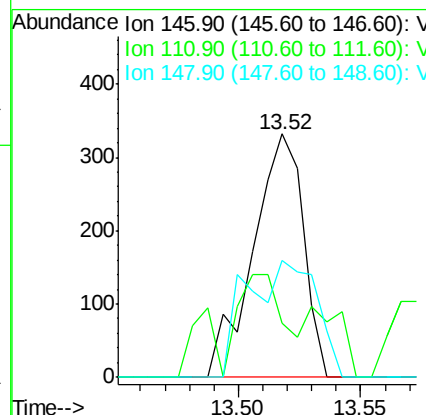
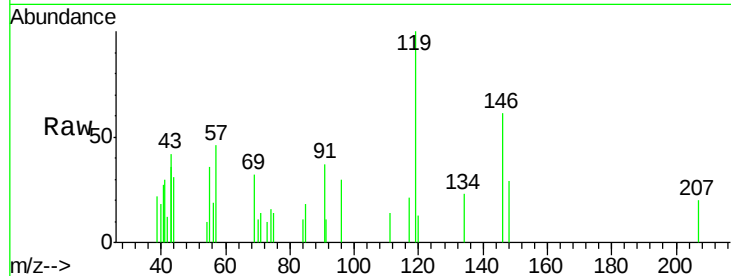




#88
 1,4-Dichlorobenzene
 Concen: 3.18 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.08 min
 Lab File: VW001125.D
 Acq: 29 Jan 2018 18:21

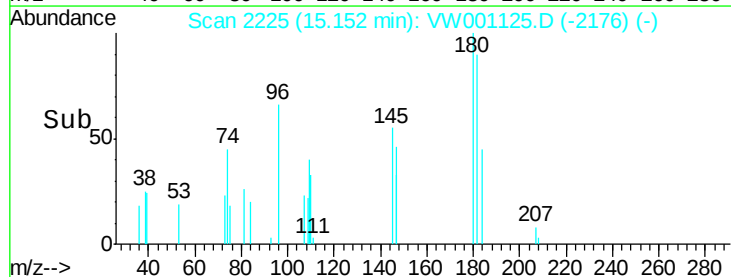
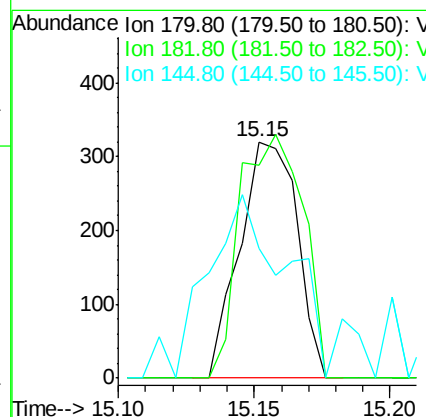
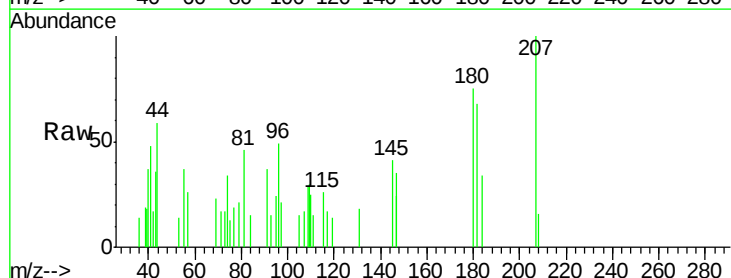
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-012618

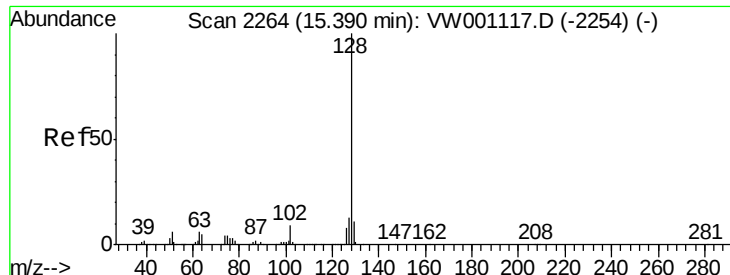
Tot Ion	Ratio	Lower	Upper
146	100		
111	20.1	19.1	57.1
148	66.5	32.5	97.5



#93
 1,2,4-Trichlorobenzene
 Concen: 4.65 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW001125.D
 Acq: 29 Jan 2018 18:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.7	47.6	142.9
145	119.7	15.0	45.1#





#95

Naphthalene

Concen: 21.42 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

Instrument :

MSVOA_W

ClientSampleId :

SU-03-012618

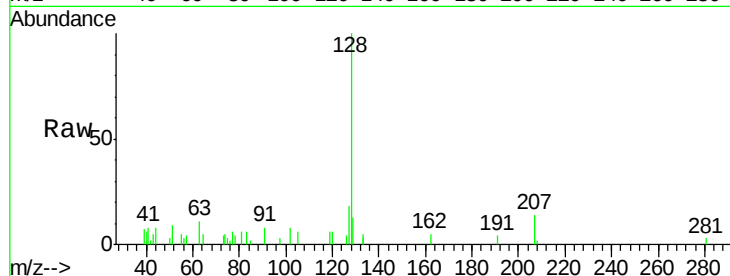
Tot Ion:128 Resp: 4249

Ion Ratio Lower Upper

128 100

127 15.4 10.7 16.1

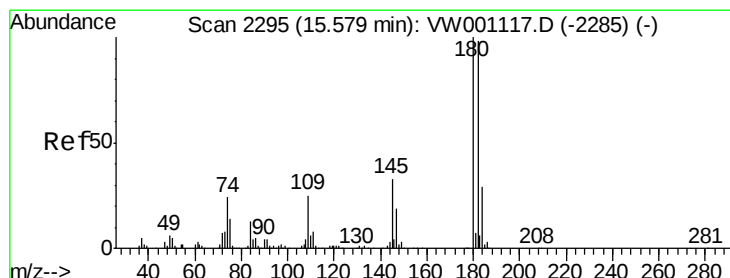
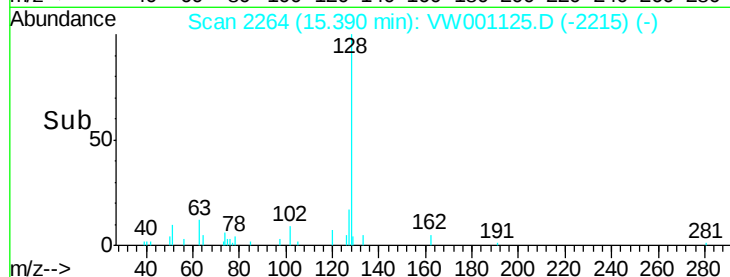
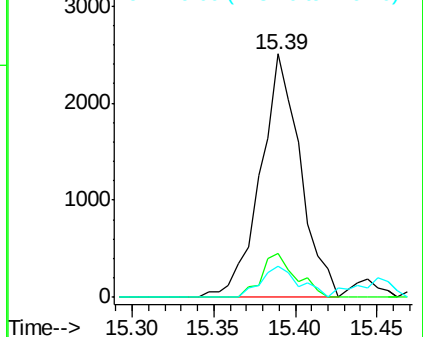
129 12.1 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 6.32 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VW001125.D

Acq: 29 Jan 2018 18:21

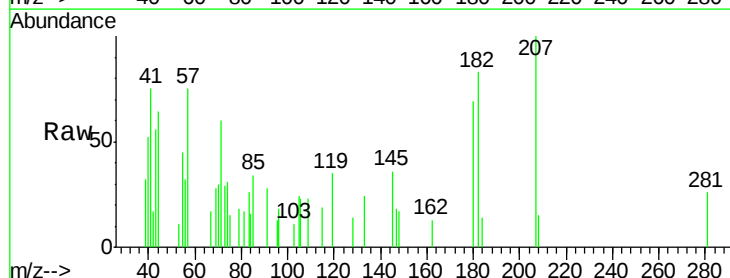
Tgt Ion:180 Resp: 586

Ion Ratio Lower Upper

180 100

182 93.9 48.7 146.1

145 68.4 16.0 47.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

