

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001127.D
 Acq On : 29 Jan 2018 19:10
 Operator : JC/SY
 Sample : J1023-05
 Misc : 5.63G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012518

Quant Time: Jan 30 02:10:27 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	11301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	15478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	14894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	6556	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	7133	64.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.84%	
35) Dibromofluoromethane	7.88	113	1449	14.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.28%	
50) Toluene-d8	10.34	98	21853	57.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.70%	
62) 4-Bromofluorobenzene	12.63	95	7106	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

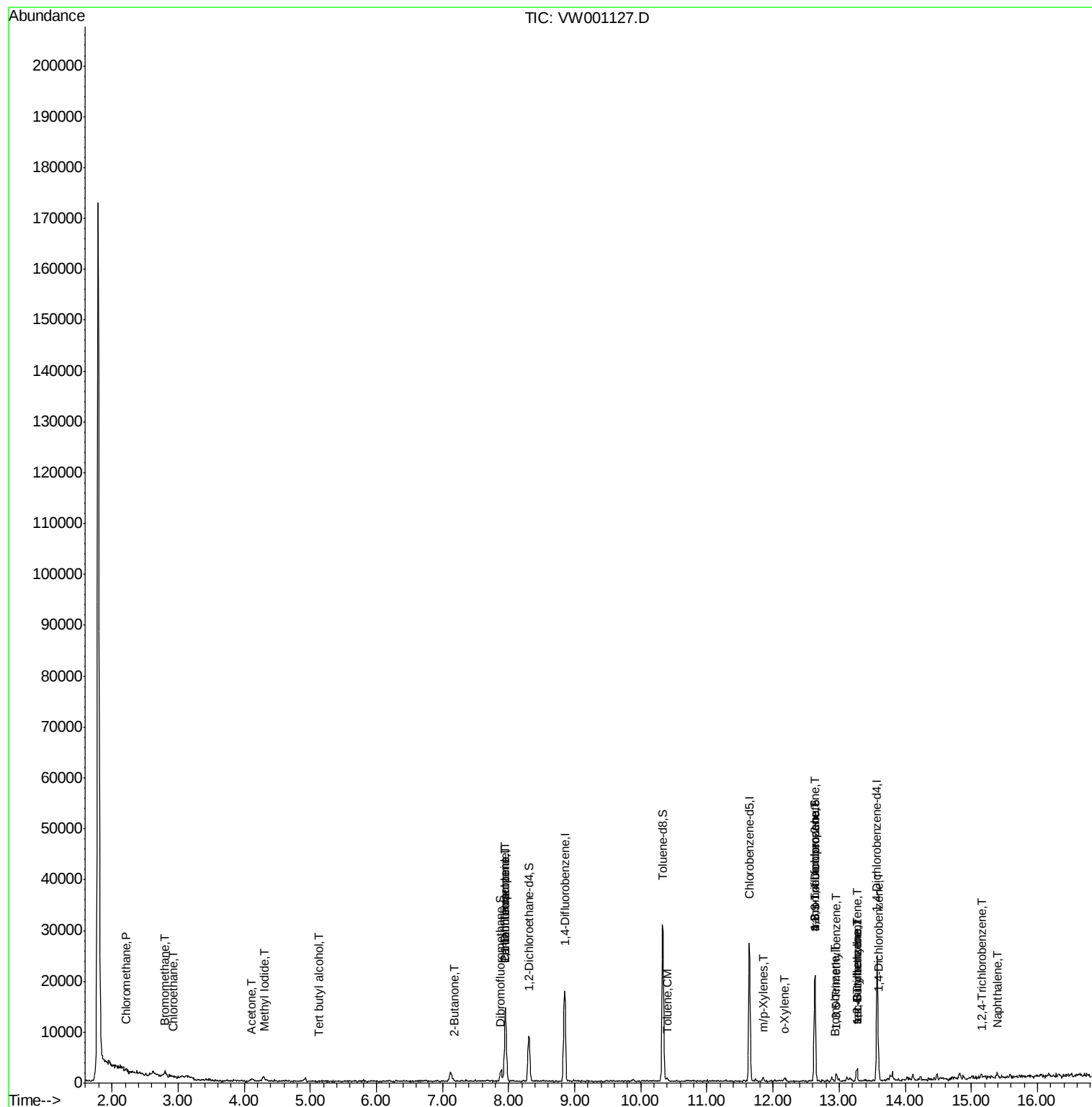
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.22	50	532	6.36	ug/l	90
5) Bromomethane	2.80	94	667	8.71	ug/l	95
6) Chloroethane	2.93	64	261	5.52	ug/l #	42
10) Methyl Iodide	4.29	142	1684	15.49	ug/l #	69
11) Tert butyl alcohol	5.12	59	53	6.00	ug/l #	73
16) Acetone	4.11	43	488	16.89	ug/l #	43
25) 2-Butanone	7.18	43	52	1.37	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	988	7.07	ug/l #	40
38) Carbon Tetrachloride	7.95	117	1104	7.07	ug/l #	12
52) Toluene	10.39	92	301	1.21	ug/l	95
68) m/p-Xylenes	11.85	106	270	1.38	ug/l	77
69) o-Xylene	12.17	106	210	1.17	ug/l	64
76) 1,2,3-Trichloropropane	12.63	75	3461	52.09	ug/l #	100
77) Bromobenzene	12.93	156	108	1.01	ug/l #	54
80) 1,3,5-Trimethylbenzene	12.96	105	863	2.46	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.63	75	3461	136.96	ug/l #	12
83) tert-Butylbenzene	13.27	119	371	1.20	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.27	105	1641	4.59	ug/l	91
85) sec-Butylbenzene	13.27	105	1641	3.74	ug/l #	56
88) 1,4-Dichlorobenzene	13.60	146	217	1.03	ug/l	89
93) 1,2,4-Trichlorobenzene	15.16	180	159	1.12	ug/l #	43
95) Naphthalene	15.39	128	700	2.50	ug/l #	86

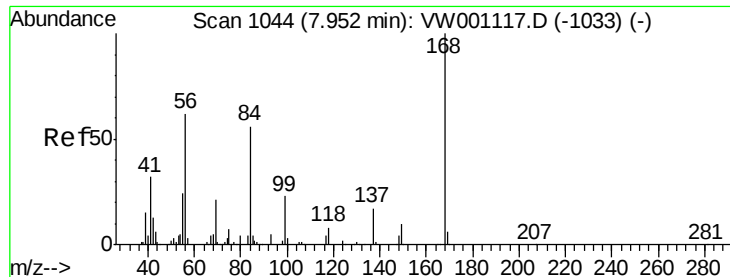
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

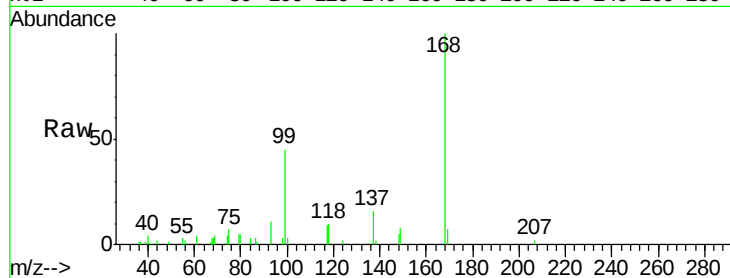
TR-05-012518

Tgt Ion:168 Resp: 11301

Ion Ratio Lower Upper

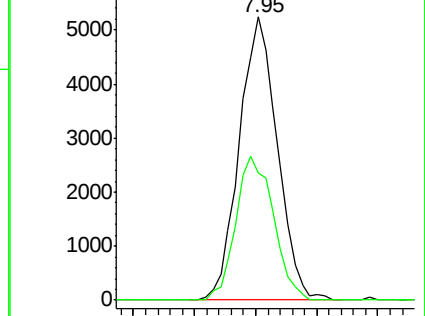
168 100

99 45.1 42.4 63.6

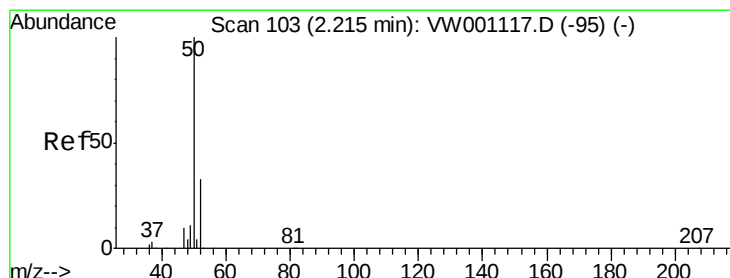
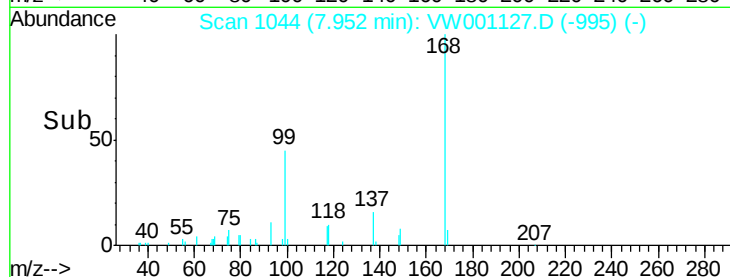


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time--> 7.85 7.90 7.95 8.00 8.05



#3

Chloromethane

Concen: 6.36 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001127.D

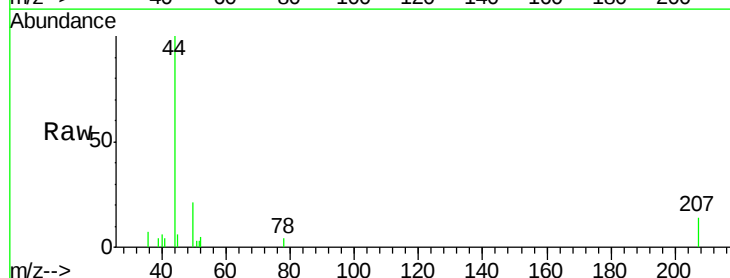
Acq: 29 Jan 2018 19:10

Tgt Ion: 50 Resp: 532

Ion Ratio Lower Upper

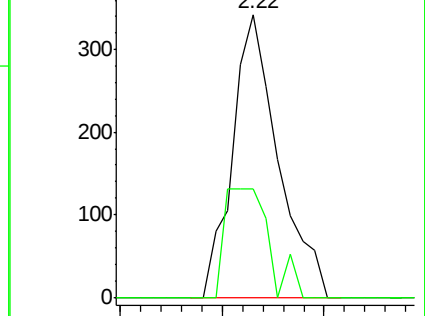
50 100

52 38.5 26.2 39.4

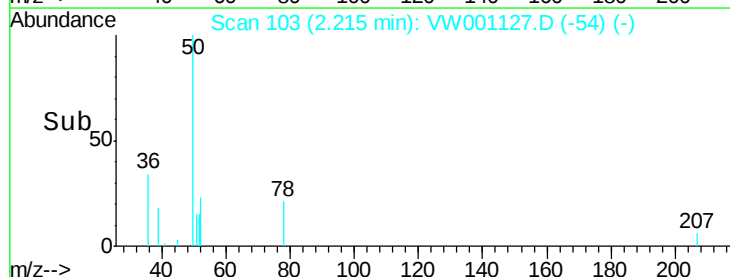


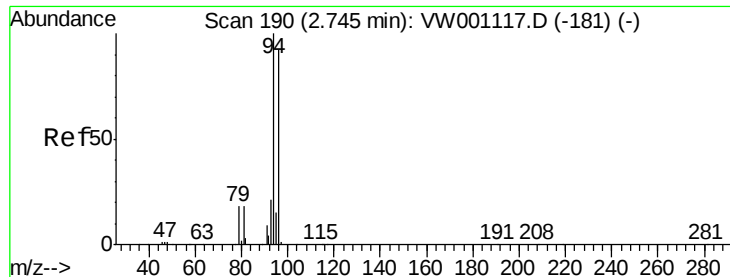
Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time--> 2.15 2.20 2.25





#5

Bromomethane

Concen: 8.71 ug/l

RT: 2.80 min Scan# 199

Delta R.T. 0.06 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampled :

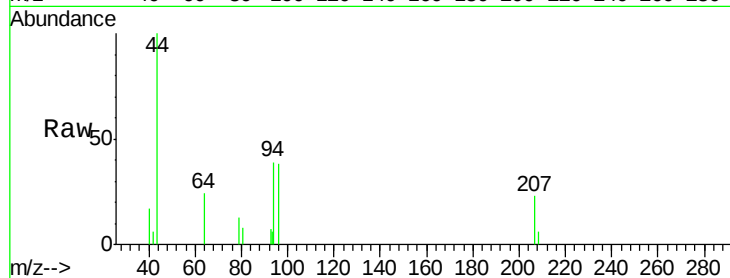
TR-05-012518

Tgt Ion: 94 Resp: 667

Ion Ratio Lower Upper

94 100

96 96.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.80

300

200

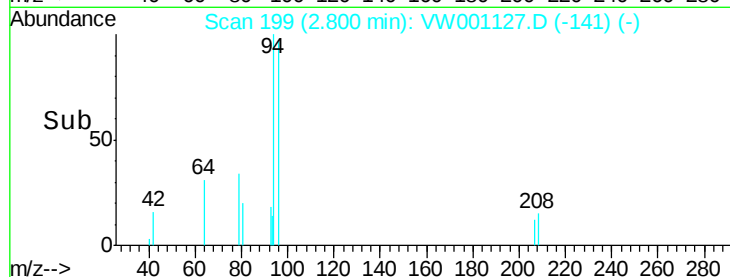
100

0

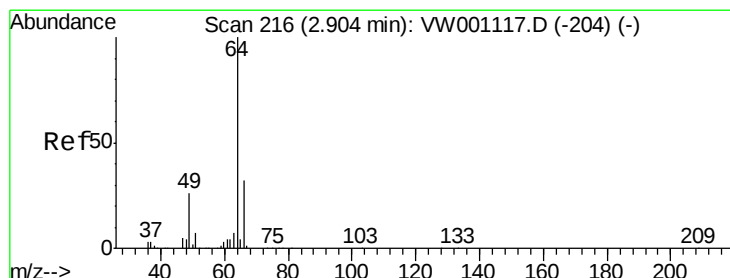
2.75

2.80

2.85



Time-->



#6

Chloroethane

Concen: 5.52 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.02 min

Lab File: VW001127.D

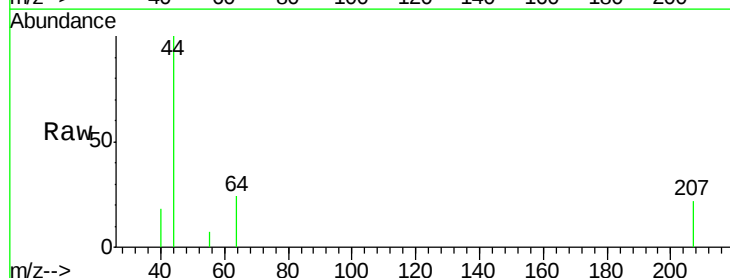
Acq: 29 Jan 2018 19:10

Tgt Ion: 64 Resp: 261

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

200

150

100

50

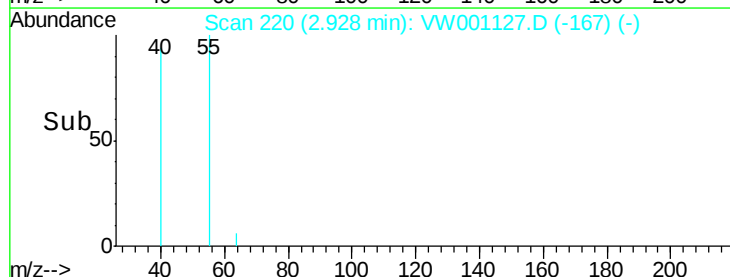
0

2.88

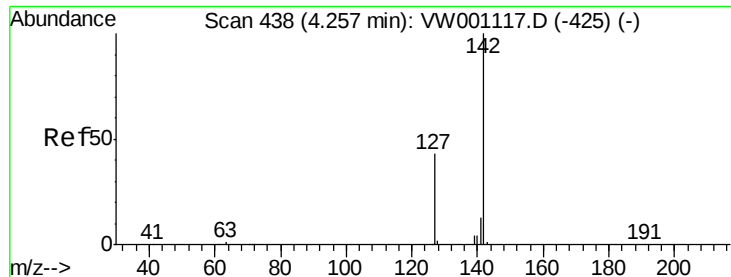
2.90

2.92

2.94



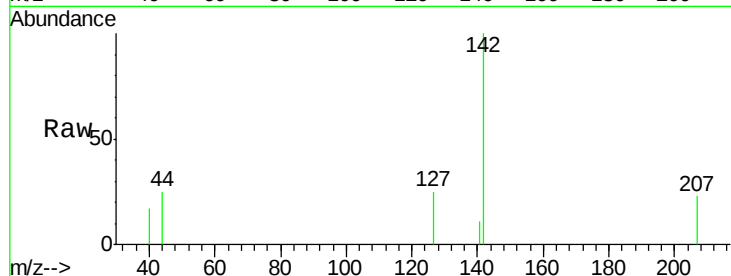
Time-->



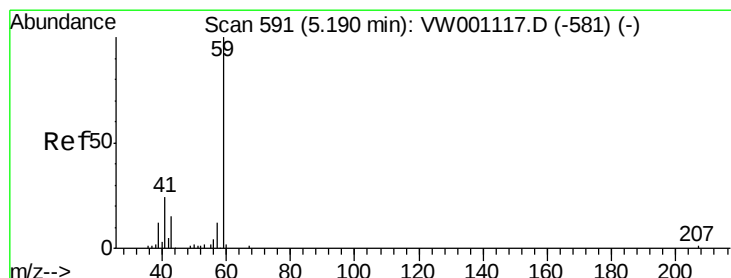
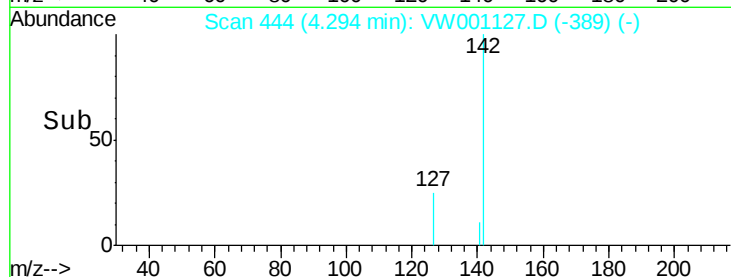
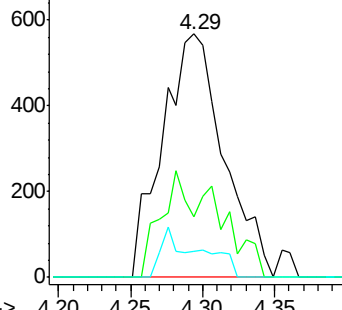
#10
Methyl Iodide
Concen: 15.49 ug/l
RT: 4.29 min Scan# 444
Delta R.T. 0.04 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
TR-05-012518

Tgt Ion: 142 Resp: 1684
Ion Ratio Lower Upper
142 100
127 21.3 35.4 53.2#
141 6.5 11.6 17.4#

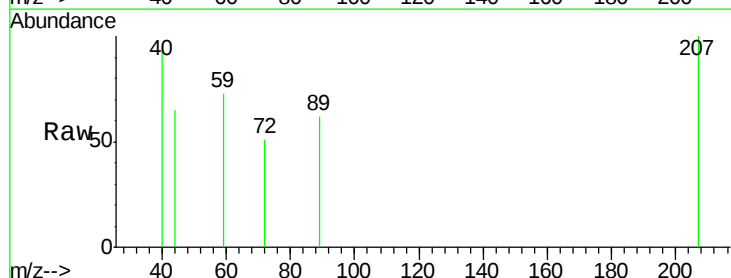


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

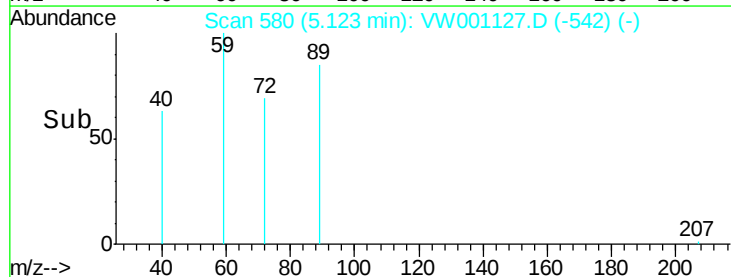
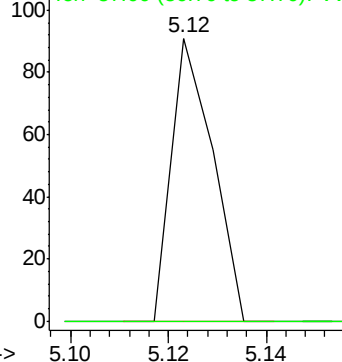


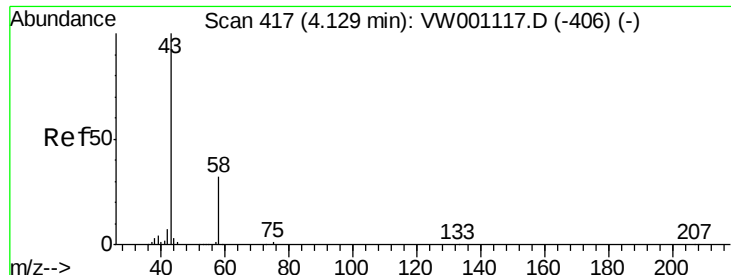
#11
Tert butyl alcohol
Concen: 6.00 ug/l
RT: 5.12 min Scan# 580
Delta R.T. -0.07 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 16.89 ug/l

RT: 4.11 min Scan# 414

Delta R.T. -0.02 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampled :

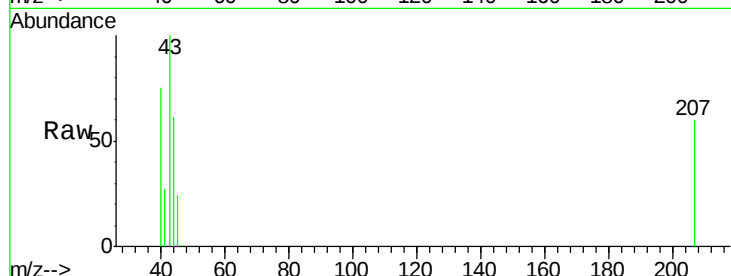
TR-05-012518

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

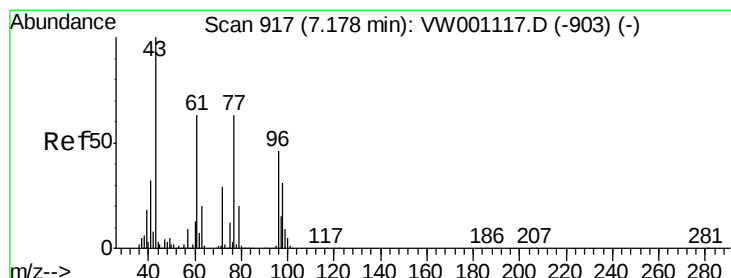
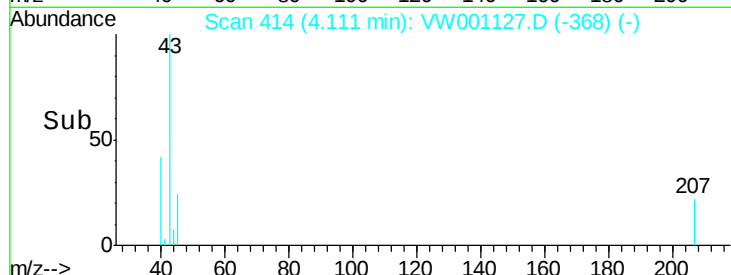
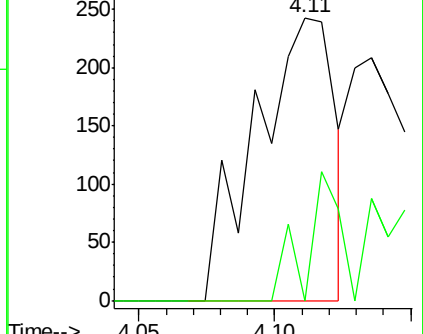
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.37 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW001127.D

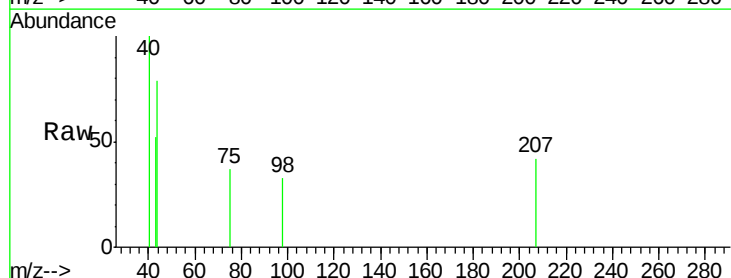
Acq: 29 Jan 2018 19:10

Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

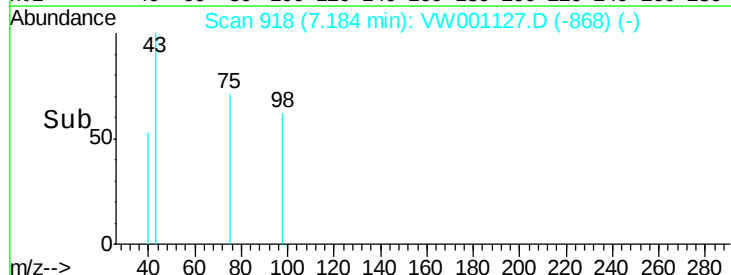
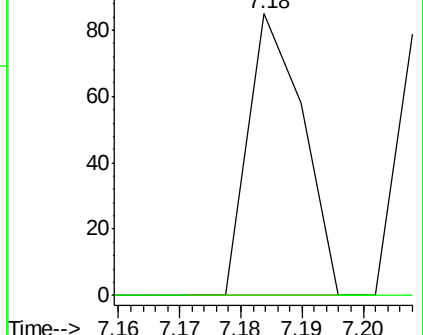
43 100

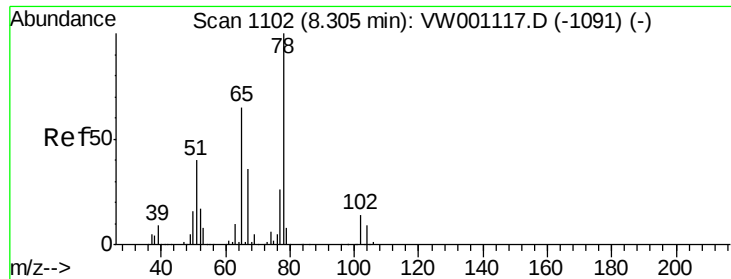
72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

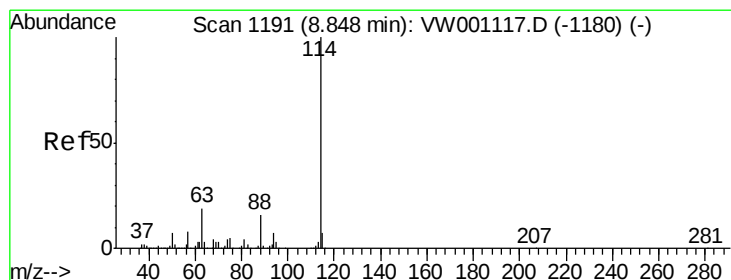
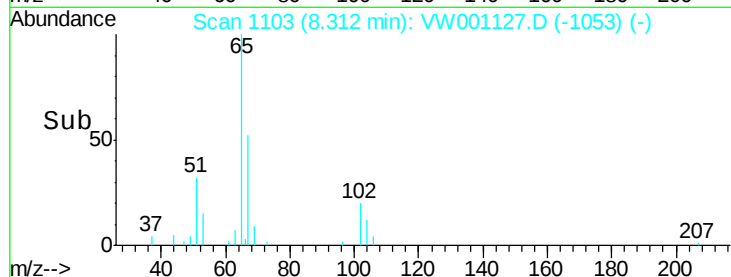
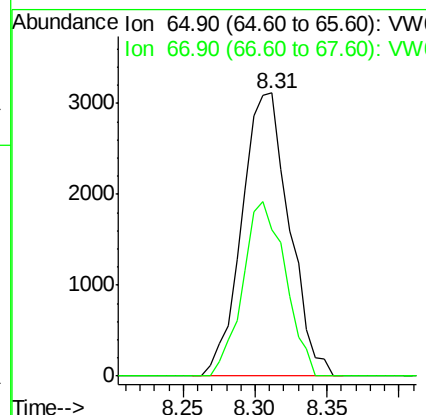
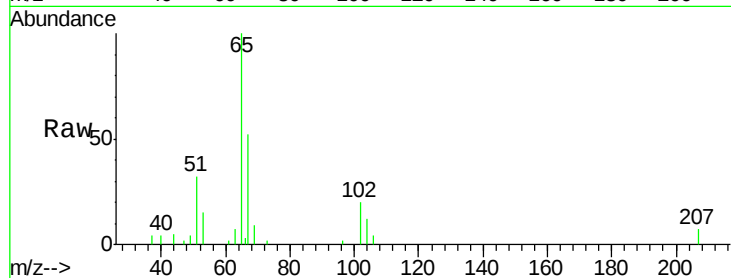




#33
 1,2-Dichloroethane-d4
 Concen: 64.92 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

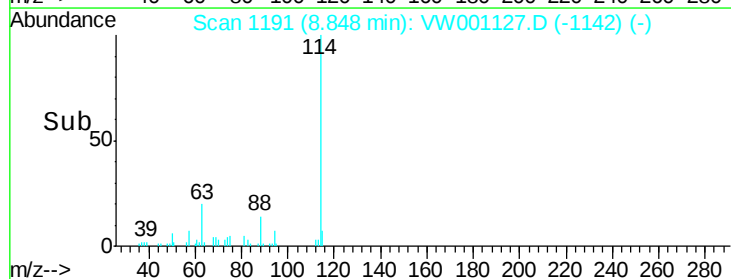
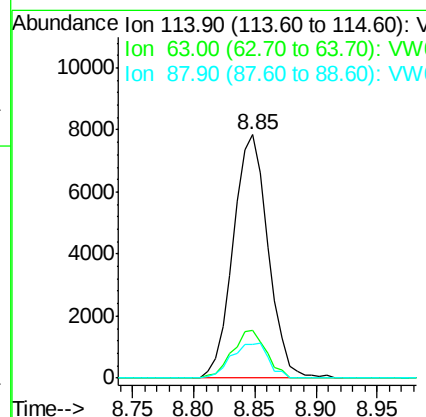
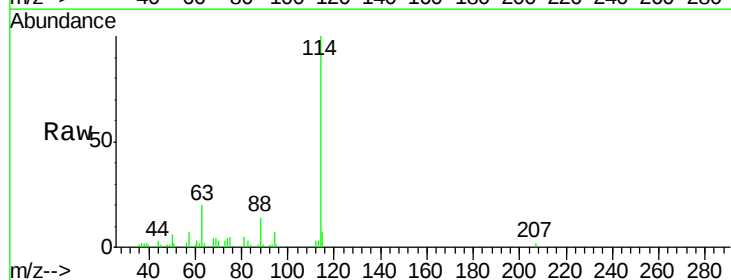
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 TR-05-012518

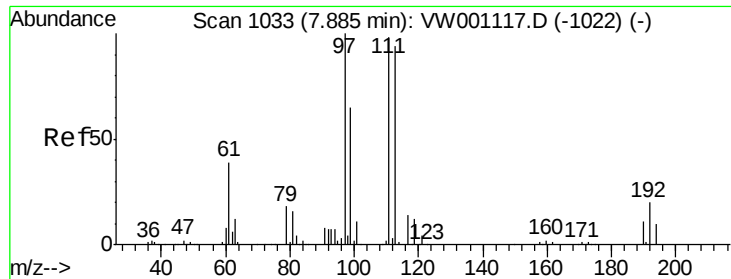
Tgt Ion: 65 Resp: 7133
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Tgt Ion: 114 Resp: 15478
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.2
 88 13.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 14.64 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

TR-05-012518

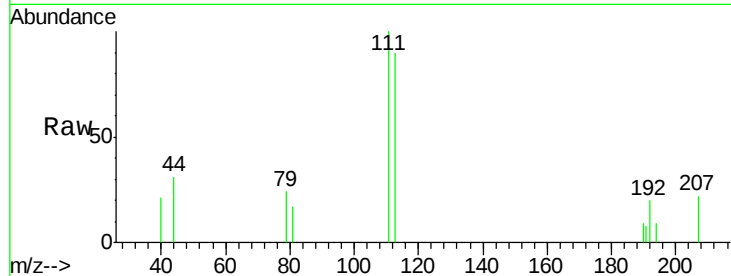
Tgt Ion:113 Resp: 1449

Ion Ratio Lower Upper

113 100

111 123.1 83.1 124.7

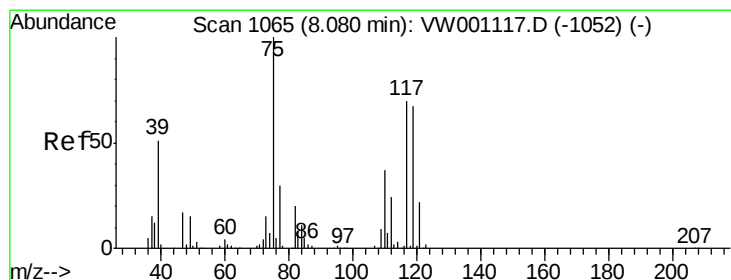
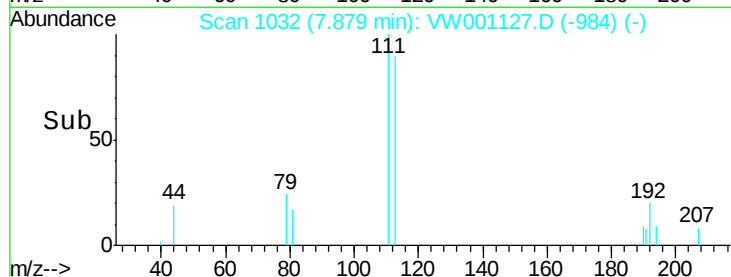
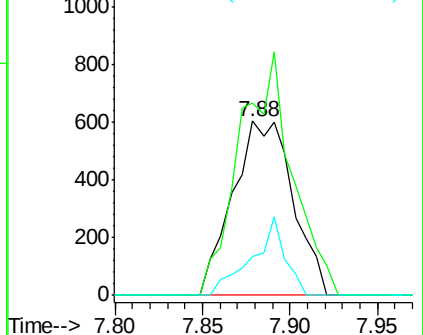
192 24.6 17.8 26.6



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: 7.07 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

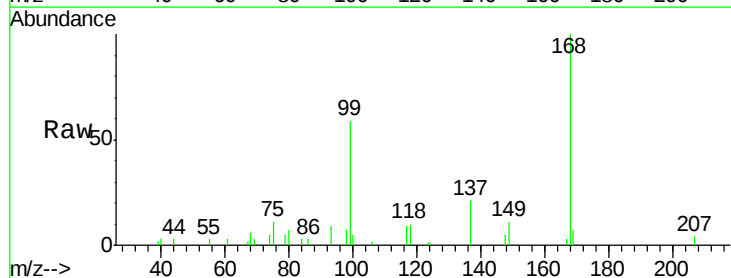
Tgt Ion: 75 Resp: 988

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

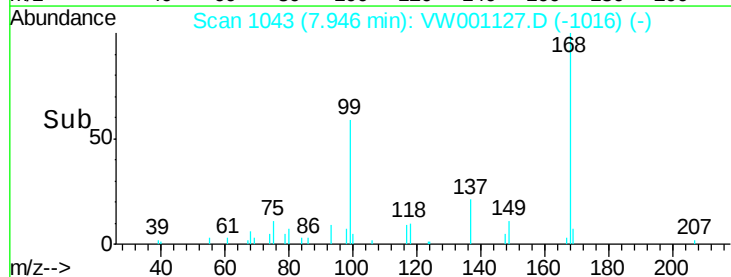
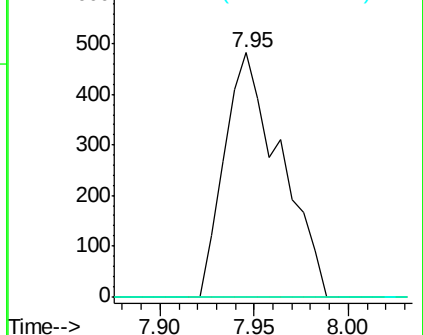
77 0.0 24.6 37.0#

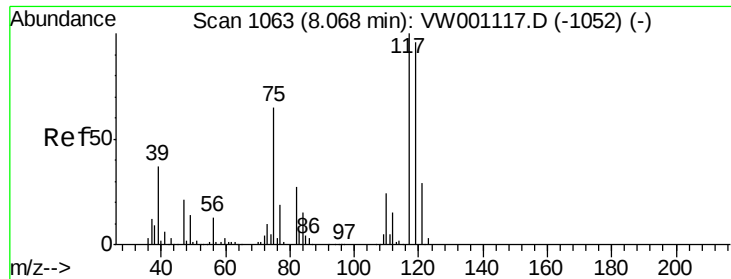


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.07 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

TR-05-012518

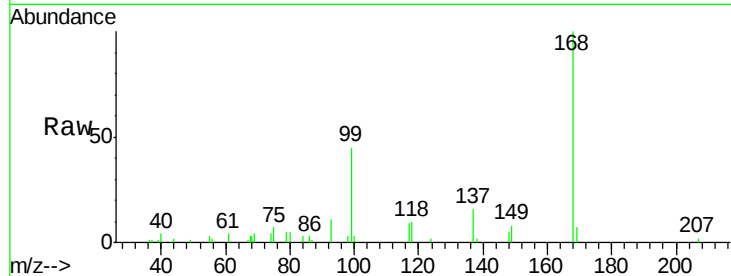
Tgt Ion: 117 Resp: 1104

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

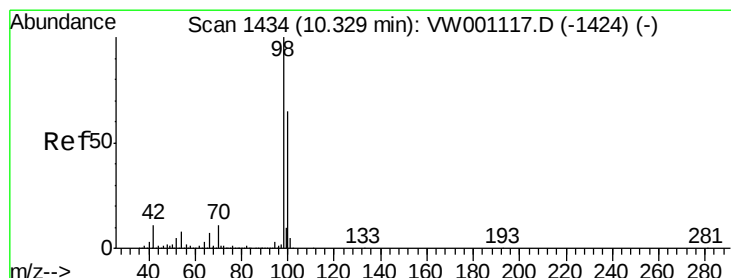
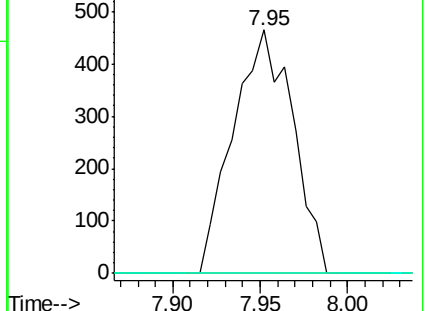
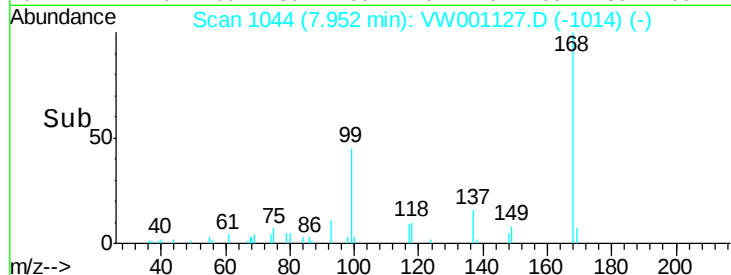
121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 57.35 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW001127.D

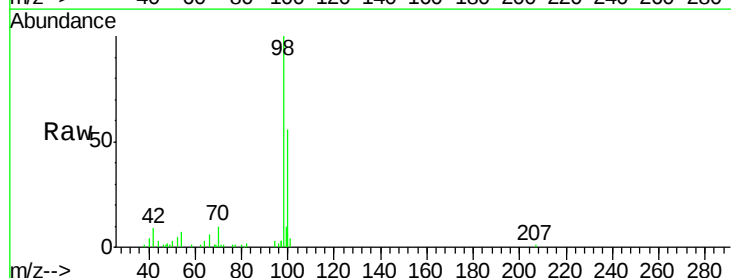
Acq: 29 Jan 2018 19:10

Tgt Ion: 98 Resp: 21853

Ion Ratio Lower Upper

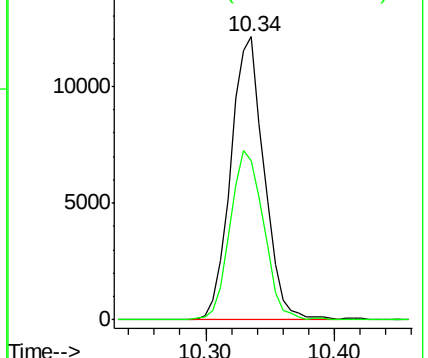
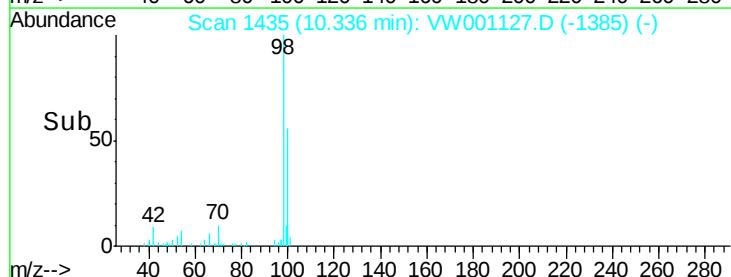
98 100

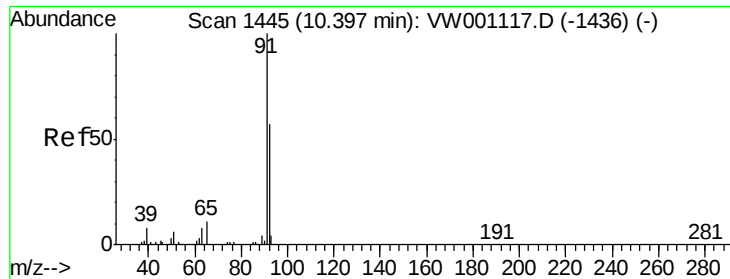
100 60.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.21 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

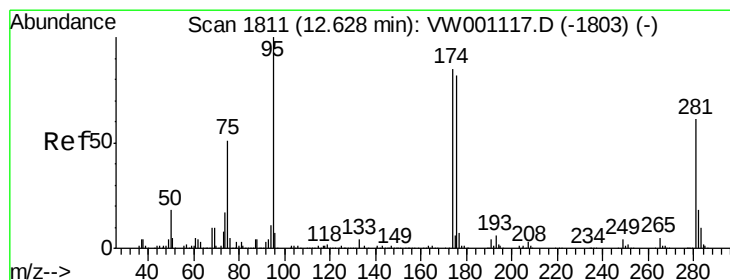
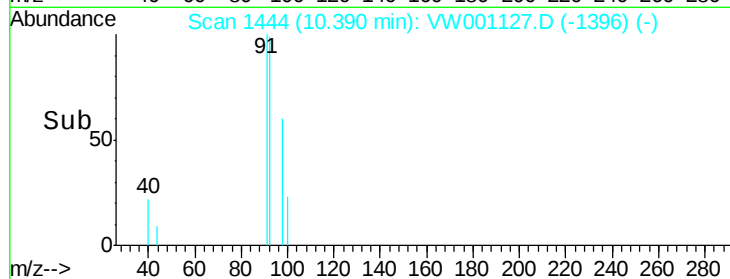
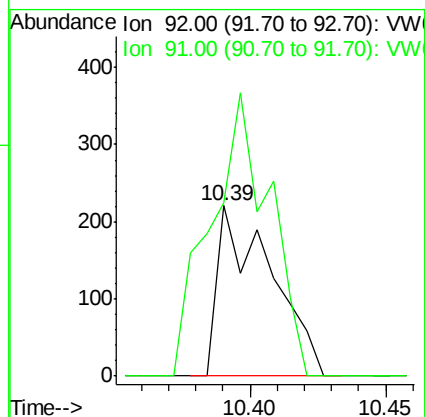
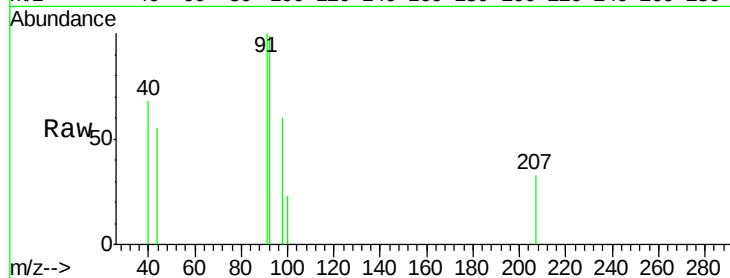
TR-05-012518

Tgt Ion: 92 Resp: 301

Ion Ratio Lower Upper

92 100

91 182.7 140.6 211.0



#62

4-Bromofluorobenzene

Concen: 50.61 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

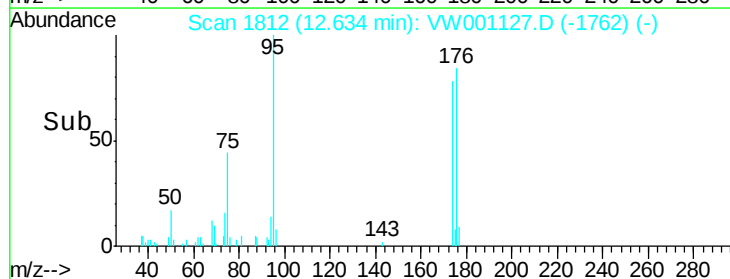
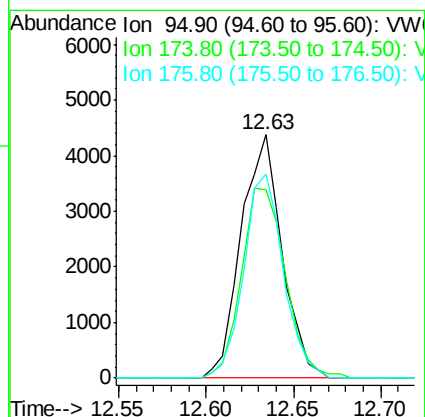
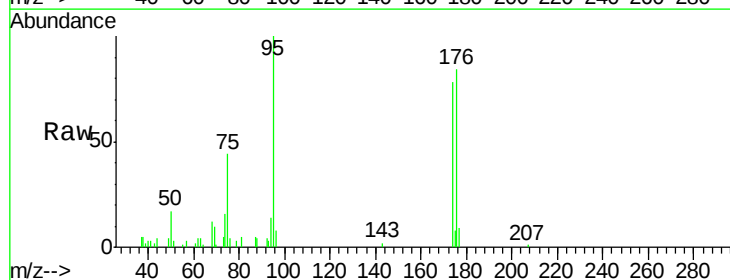
Tgt Ion: 95 Resp: 7106

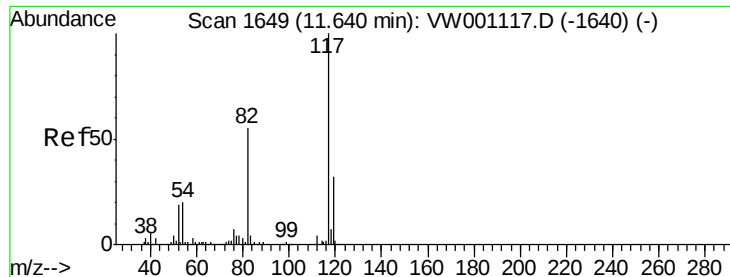
Ion Ratio Lower Upper

95 100

174 84.6 0.0 179.6

176 81.6 0.0 174.4

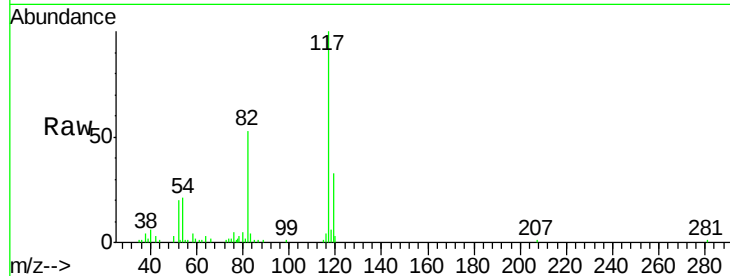




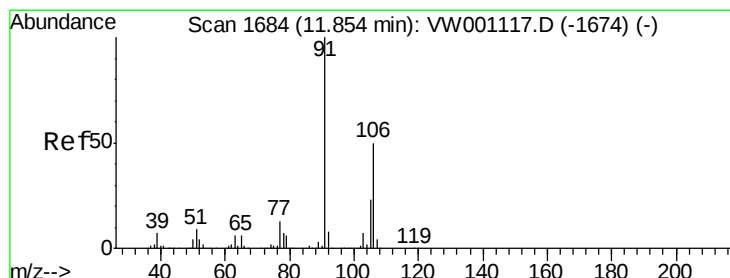
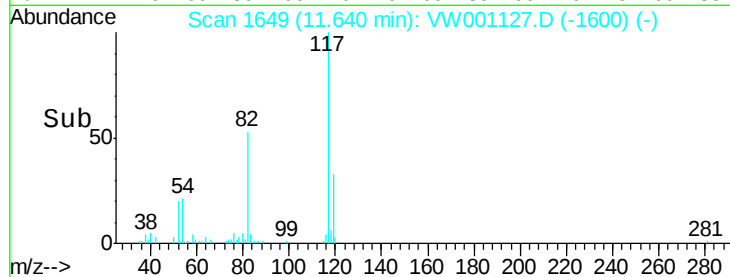
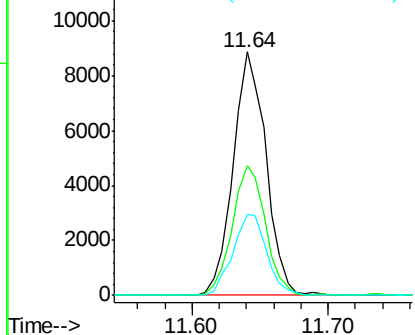
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

Instrument :
MSVOA_W
ClientSampleId :
TR-05-012518

Tgt Ion:117 Resp: 14894
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 33.1 25.8 38.8

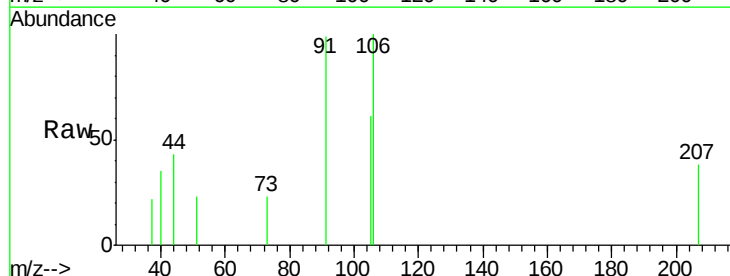


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

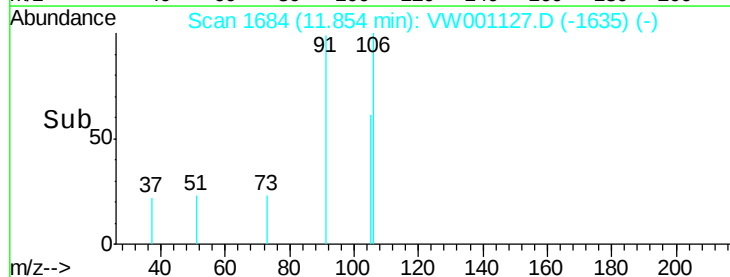
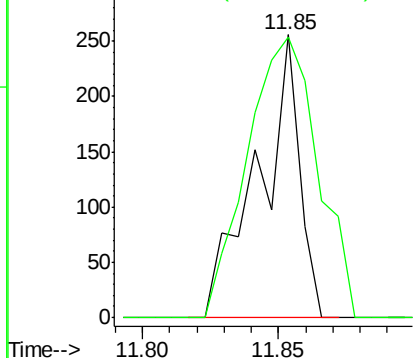


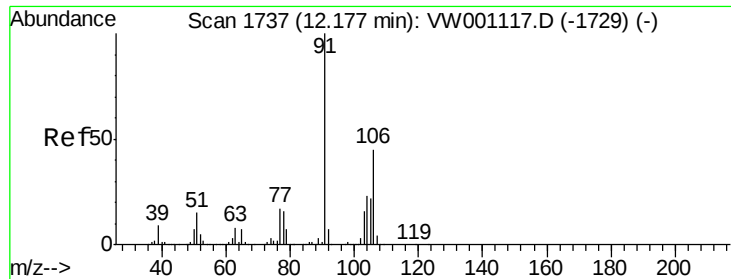
#68
m/p-Xylenes
Concen: 1.38 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

Tgt Ion:106 Resp: 270
Ion Ratio Lower Upper
106 100
91 168.9 163.1 244.7



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

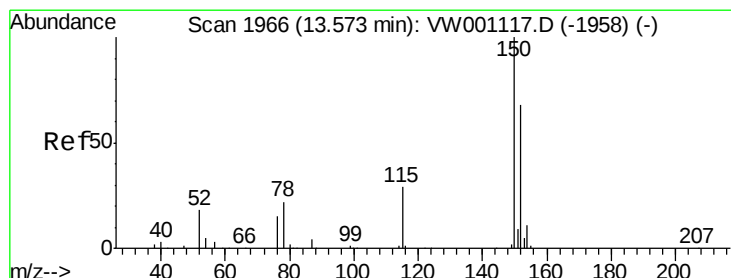
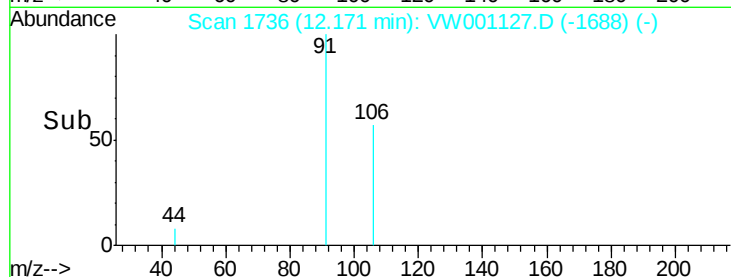
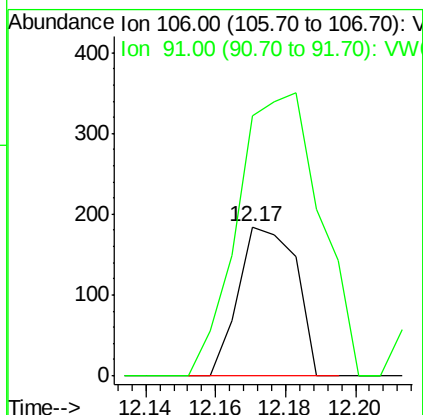
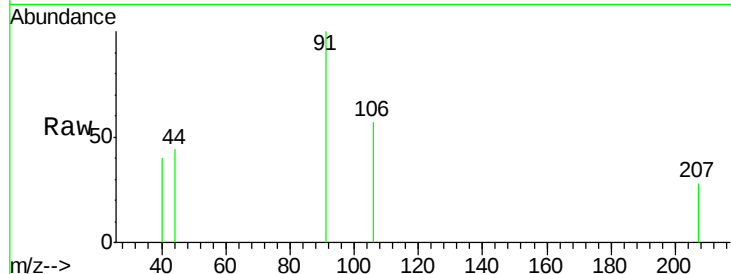




#69
o-Xylene
Concen: 1.17 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

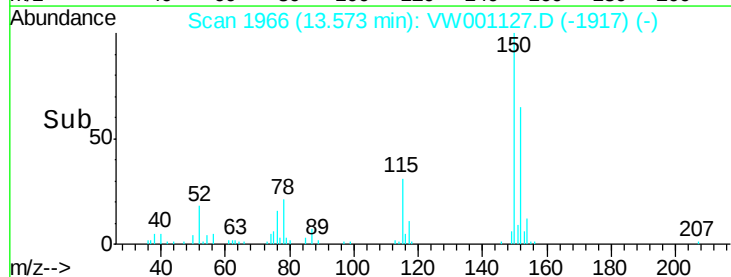
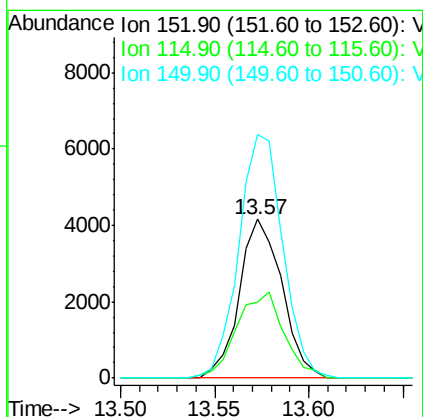
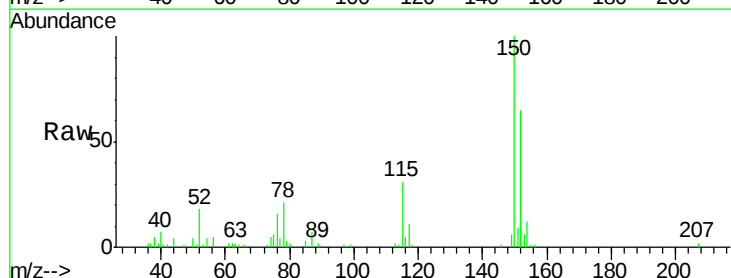
Instrument :
MSVOA_W
ClientSampleId :
TR-05-012518

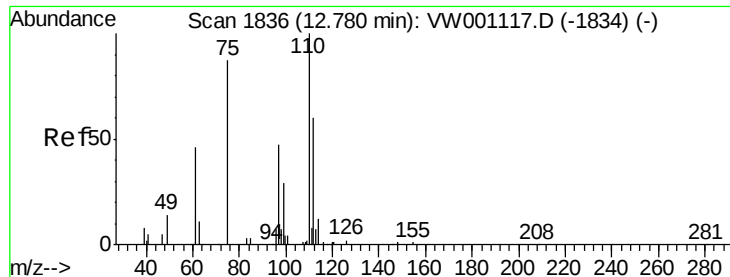
Tgt Ion:106 Resp: 210
Ion Ratio Lower Upper
106 100
91 272.4 107.6 322.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW001127.D
Acq: 29 Jan 2018 19:10

Tgt Ion:152 Resp: 6556
Ion Ratio Lower Upper
152 100
115 59.8 28.4 85.3
150 157.8 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 52.09 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

Instrument :

MSVOA_W

ClientSampleId :

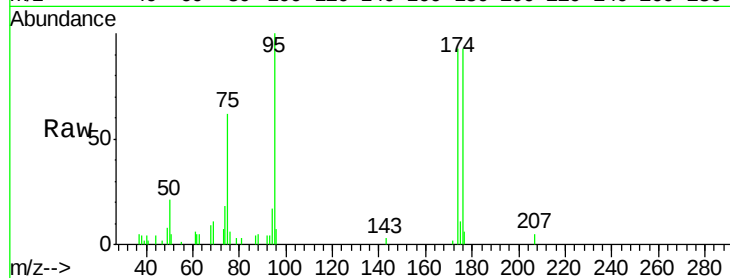
TR-05-012518

Tgt Ion: 75 Resp: 3461

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.63

2500

2000

1500

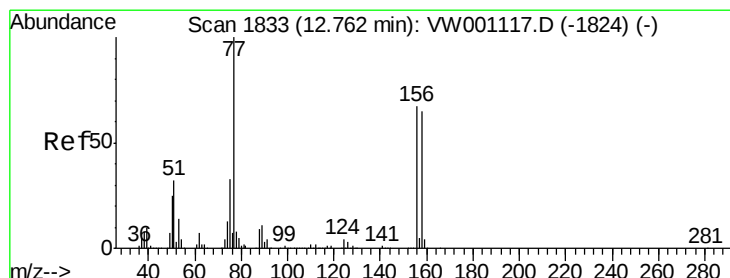
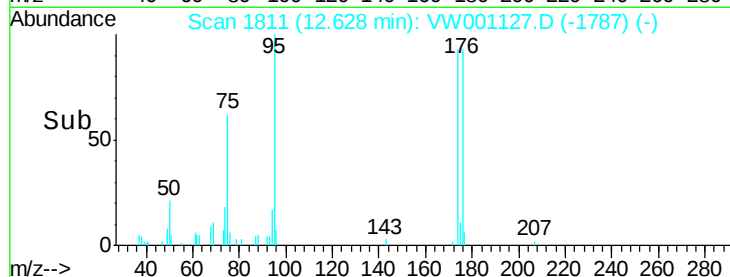
1000

500

0

Time-->

12.60 12.65



#77

Bromobenzene

Concen: 1.01 ug/l

RT: 12.93 min Scan# 1861

Delta R.T. 0.17 min

Lab File: VW001127.D

Acq: 29 Jan 2018 19:10

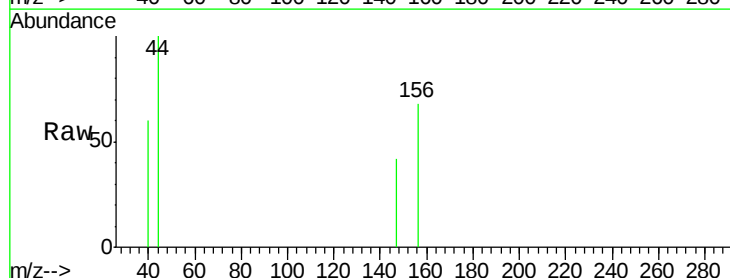
Tgt Ion: 156 Resp: 108

Ion Ratio Lower Upper

156 100

77 149.1 85.3 255.8

158 0.0 48.9 146.7#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

150

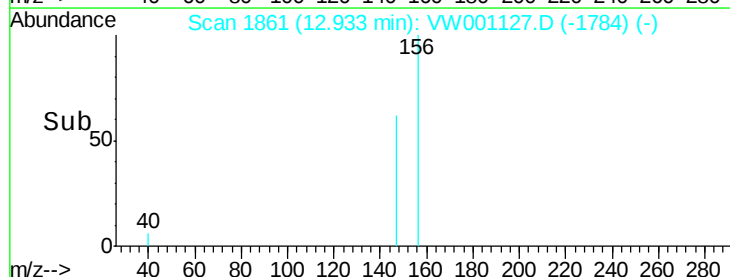
100

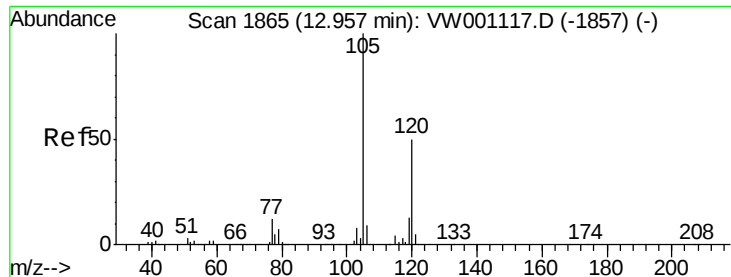
50

0

Time-->

12.90 12.95

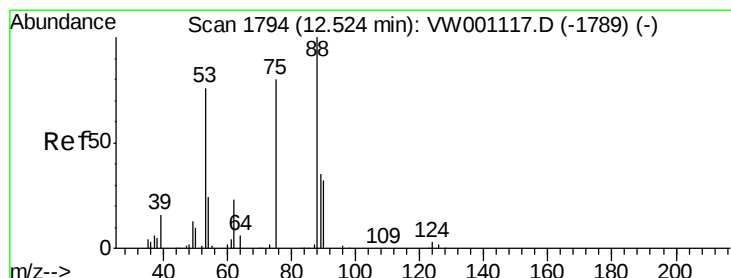
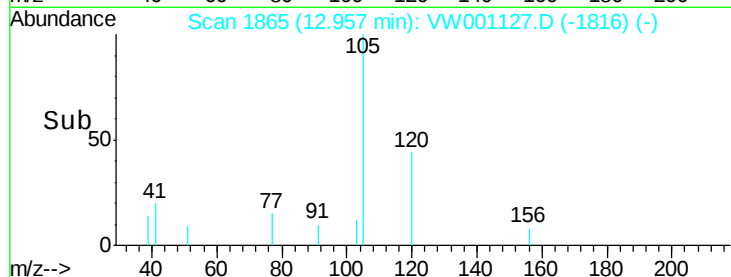
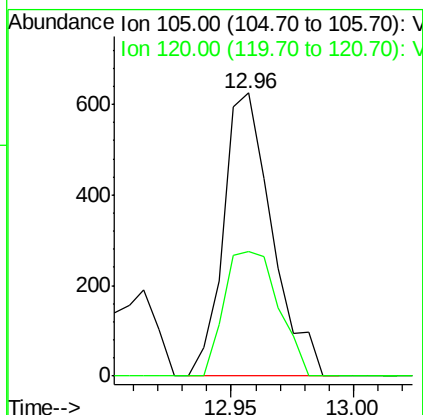
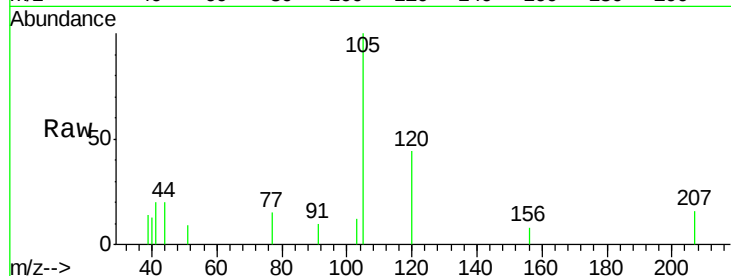




#80
 1,3,5-Trimethylbenzene
 Concen: 2.46 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

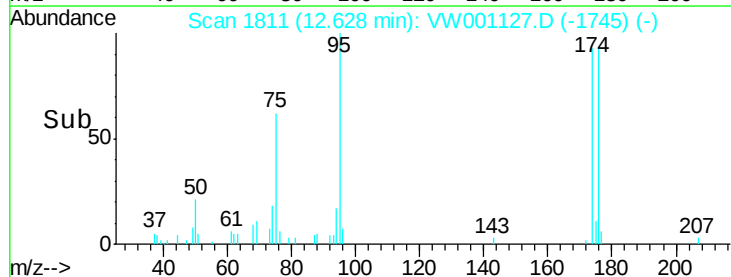
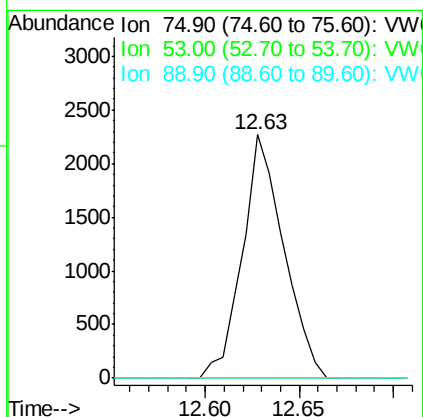
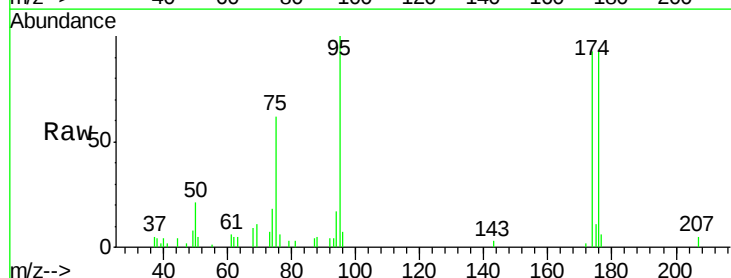
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012518

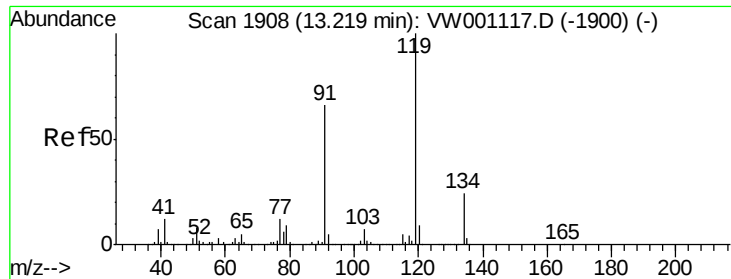
Tgt Ion: 105 Resp: 863
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.96 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Tgt Ion: 75 Resp: 3461
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.0 112.6#
 89 0.0 38.2 57.4#

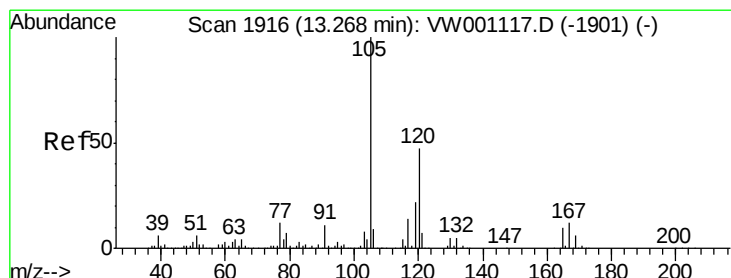
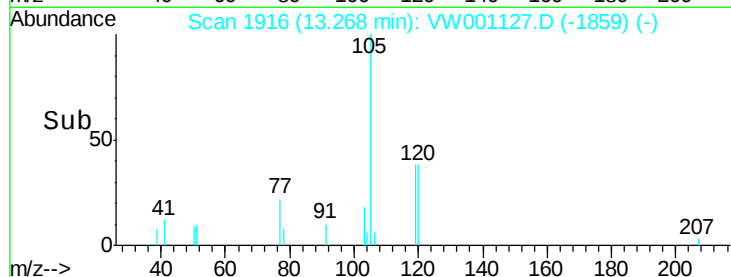
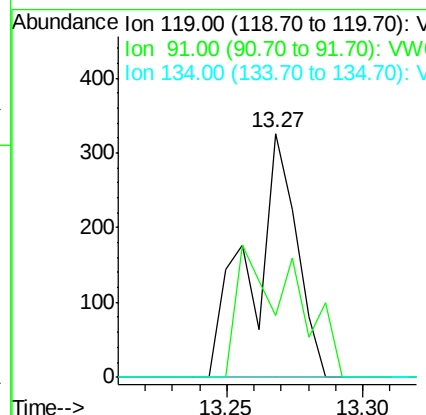
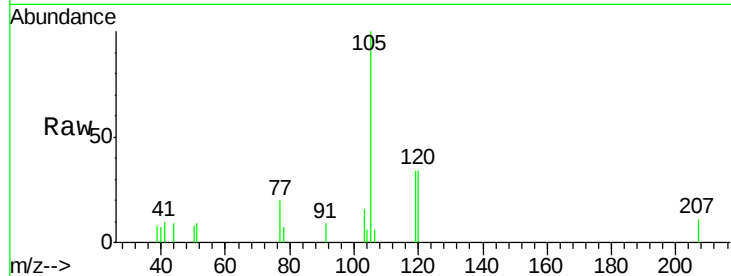




#83
 tert-Butylbenzene
 Concen: 1.20 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.05 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

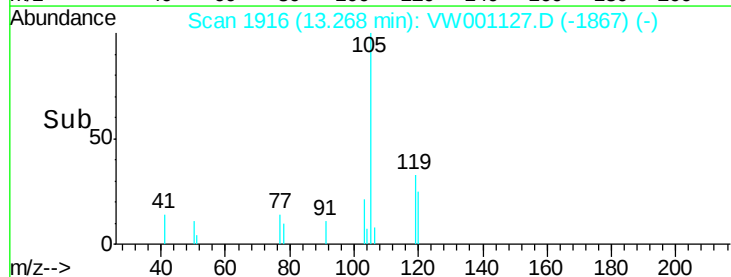
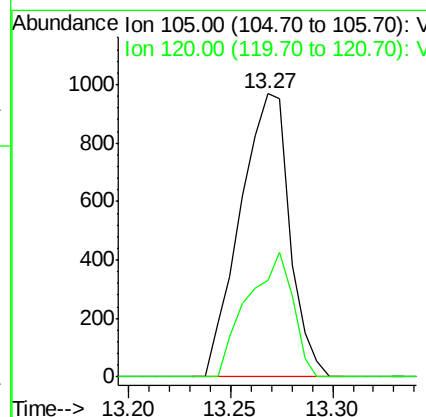
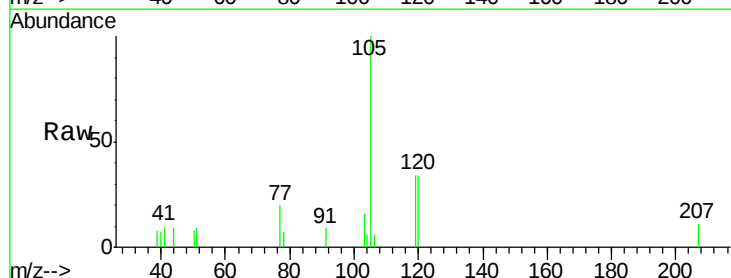
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012518

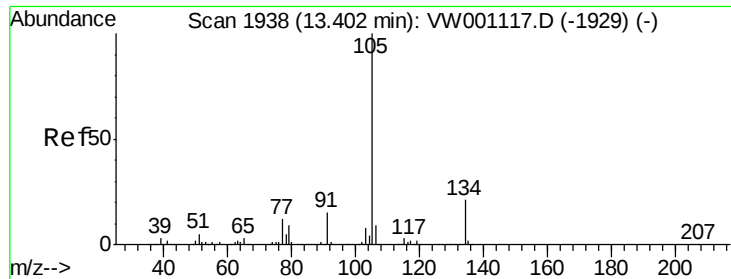
Tgt Ion:119 Resp: 371
 Ion Ratio Lower Upper
 119 100
 91 38.3 31.9 95.5
 134 0.0 12.7 38.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 4.59 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Tgt Ion:105 Resp: 1641
 Ion Ratio Lower Upper
 105 100
 120 39.9 22.9 68.8

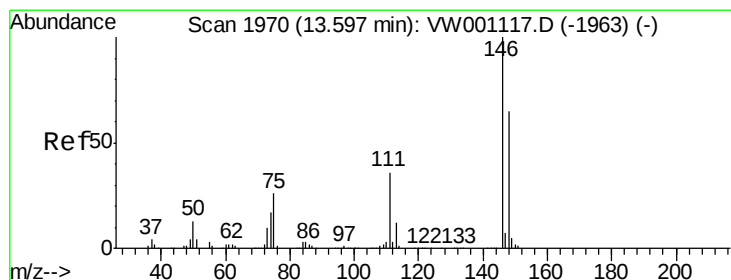
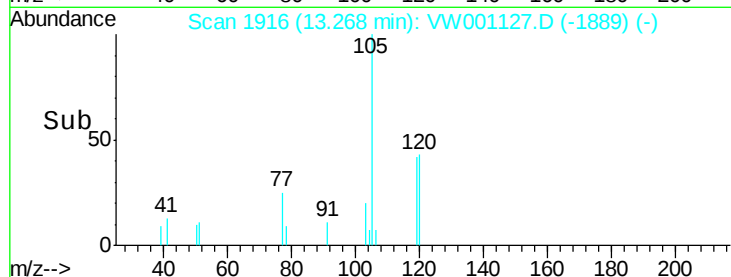
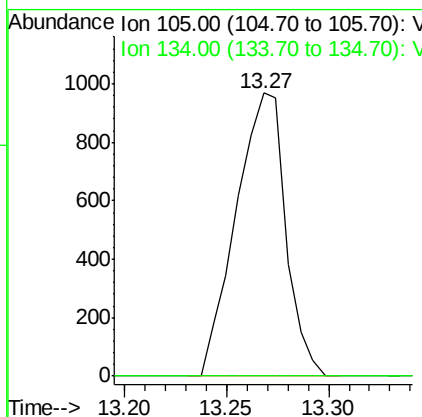
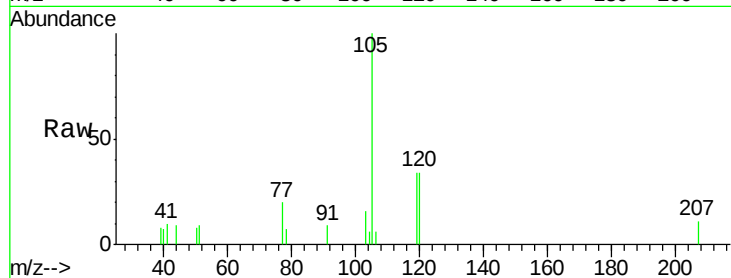




#85
 sec-Butylbenzene
 Concen: 3.74 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.13 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

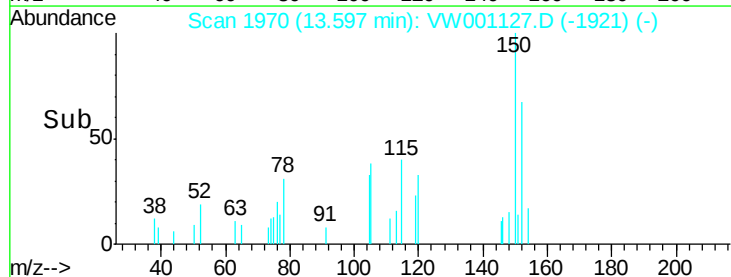
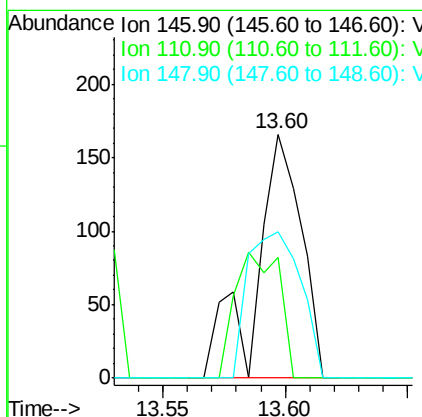
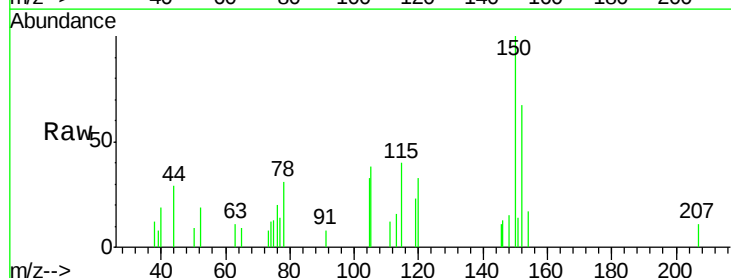
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012518

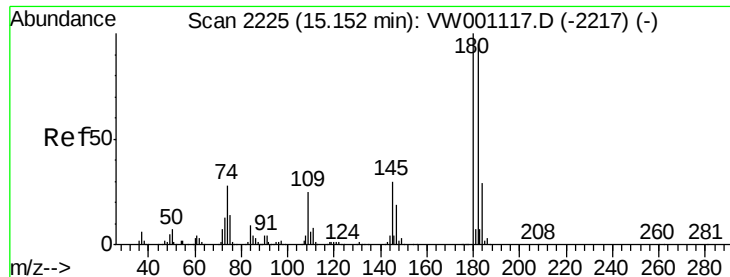
Tgt Ion:105 Resp: 1641
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#



#88
 1,4-Dichlorobenzene
 Concen: 1.03 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Tgt Ion:146 Resp: 217
 Ion Ratio Lower Upper
 146 100
 111 49.8 19.1 57.1
 148 69.6 32.5 97.5

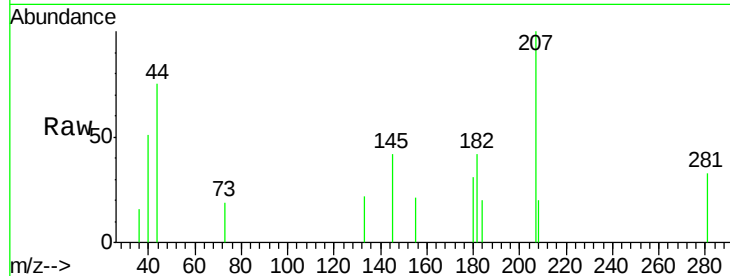




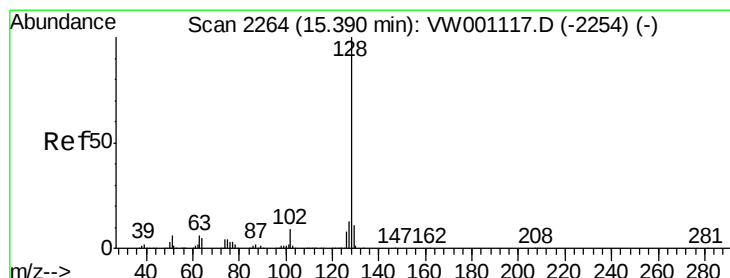
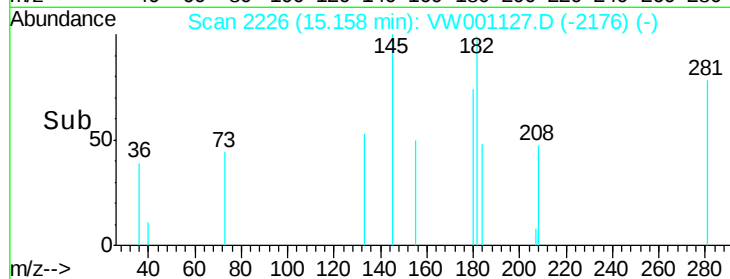
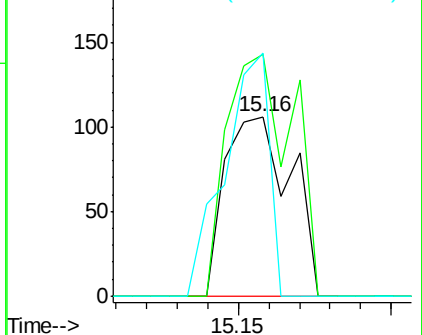
#93
 1,2,4-Trichlorobenzene
 Concen: 1.12 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-012518

Tgt Ion:180 Resp: 159
 Ion Ratio Lower Upper
 180 100
 182 134.0 47.6 142.9
 145 91.2 15.0 45.1#

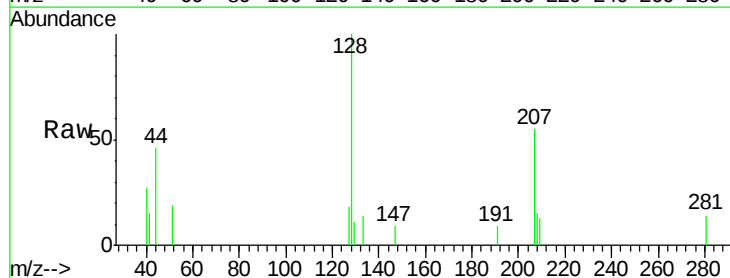


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 2.50 ug/l
 RT: 15.39 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VW001127.D
 Acq: 29 Jan 2018 19:10

Tgt Ion:128 Resp: 700
 Ion Ratio Lower Upper
 128 100
 127 19.1 10.7 16.1#
 129 6.0 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

