

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010864.D
 Acq On : 19 Jun 2019 21:20
 Operator : SY/VA
 Sample : K3441-01
 Misc : 5.96G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-3

Quant Time: Jun 20 05:50:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	247181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121088	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
35) Dibromofluoromethane	7.88	113	82004	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.32	98	326466	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.62	95	107187	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	

Target Compounds

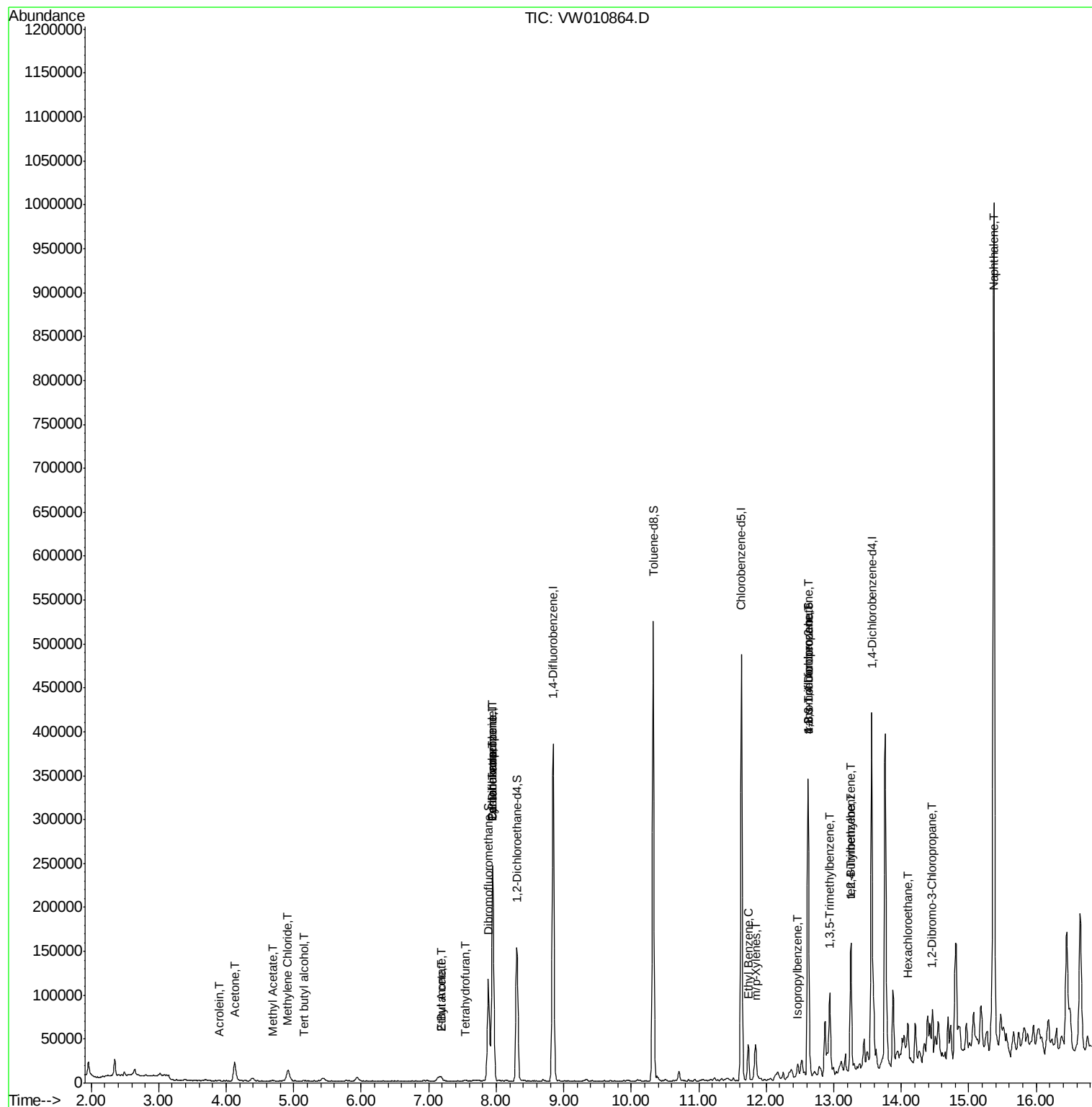
						Qvalue
11) Tert butyl alcohol	5.15	59	234	1.399	ug/l #	72
13) Acrolein	3.89	56	266	3.892	ug/l #	1
16) Acetone	4.13	43	38507	70.007	ug/l	96
18) Methyl Acetate	4.69	43	1296	1.095	ug/l #	74
20) Methylene Chloride	4.91	84	8445	4.377	ug/l #	95
25) 2-Butanone	7.18	43	8106	10.628	ug/l	99
29) Tetrahydrofuran	7.56	42	667	1.390	ug/l #	53
31) Cyclohexane	7.95	56	5136	1.240	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	15934	5.201	ug/l #	51
37) Ethyl Acetate	7.18	43	8106	4.774	ug/l #	72
38) Carbon Tetrachloride	7.95	117	18101	6.844	ug/l #	17
67) Ethyl Benzene	11.73	91	27378	2.931	ug/l	99
68) m/p-Xylenes	11.84	106	9560	2.859	ug/l	95
73) Isopropylbenzene	12.46	105	7236	1.019	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	58913	59.375	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	29845	5.135	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	58913	136.464	ug/l #	5
83) tert-Butylbenzene	13.26	119	9240	1.873	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.26	105	75807	12.963	ug/l	99
90) Hexachloroethane	14.10	117	2444	2.125	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.45	75	357	1.538	ug/l #	6
95) Naphthalene	15.37	128	777767	226.955	ug/l	99

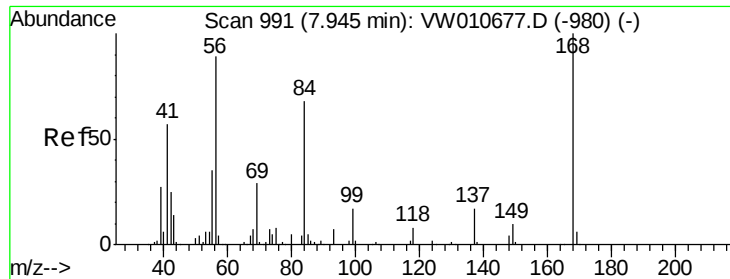
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

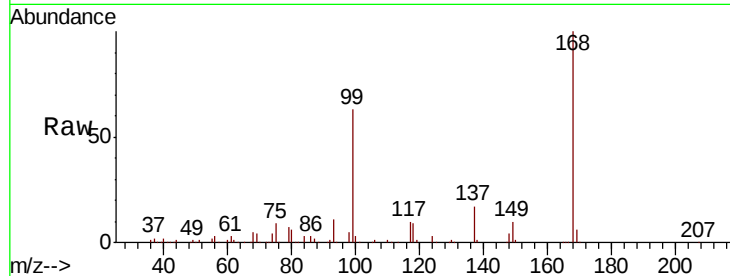
SAMPLE-3

Tot Ion:168 Resp: 174162

Ion Ratio Lower Upper

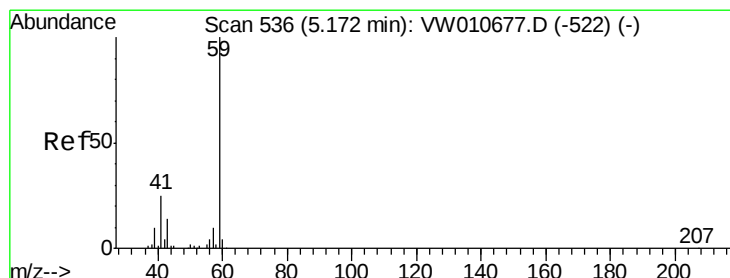
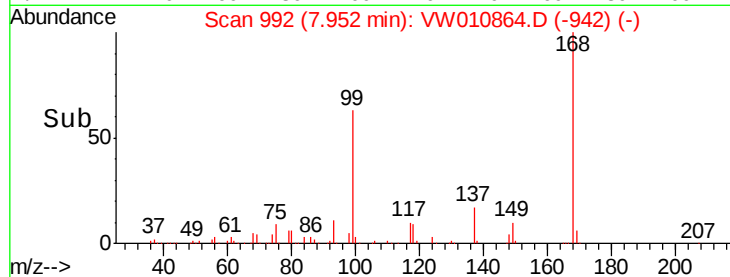
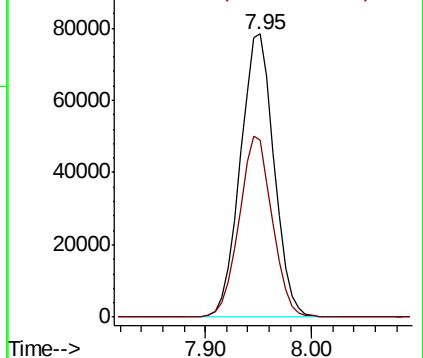
168 100

99 62.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.399 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW010864.D

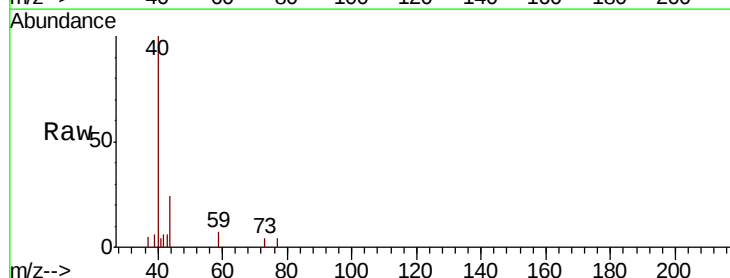
Acq: 19 Jun 2019 21:20

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

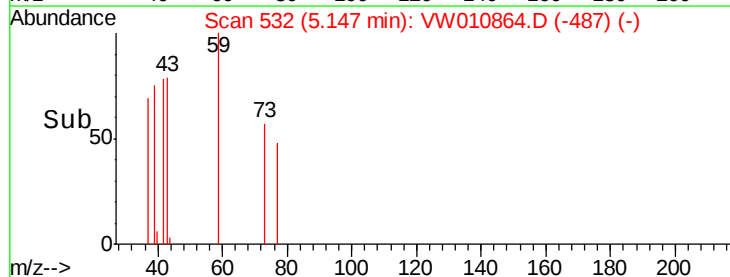
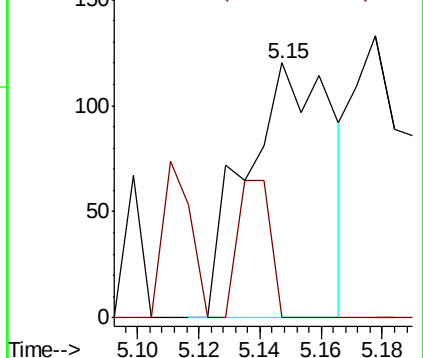
59 100

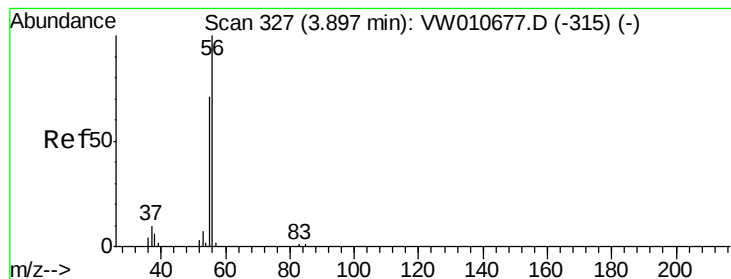
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.892 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

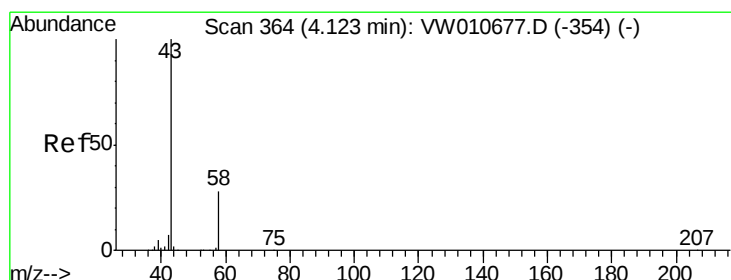
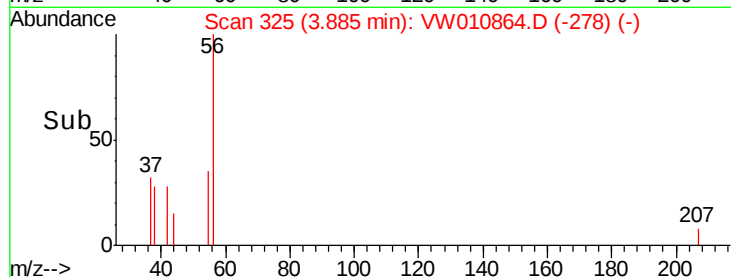
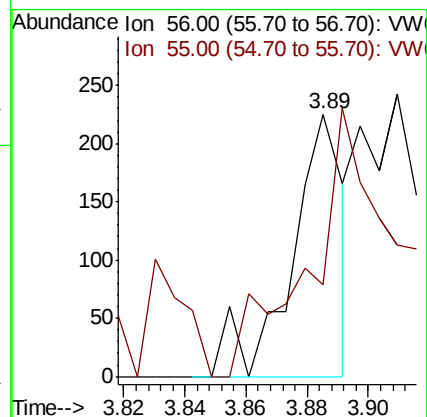
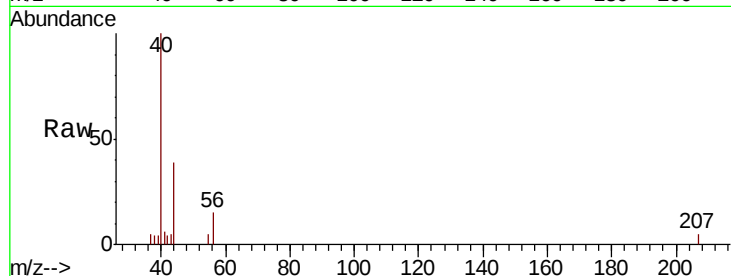
SAMPLE-3

Tot Ion: 56 Resp: 266

Ion Ratio Lower Upper

56 100

55 162.0 57.6 86.4#



#16

Acetone

Concen: 70.007 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010864.D

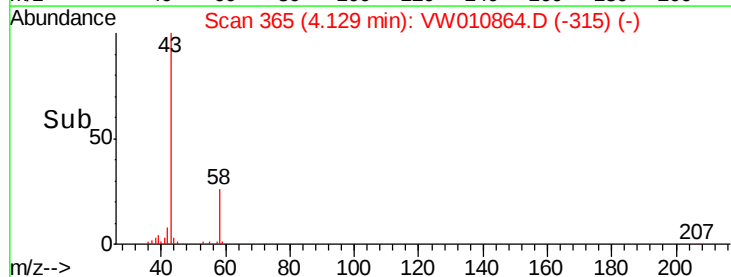
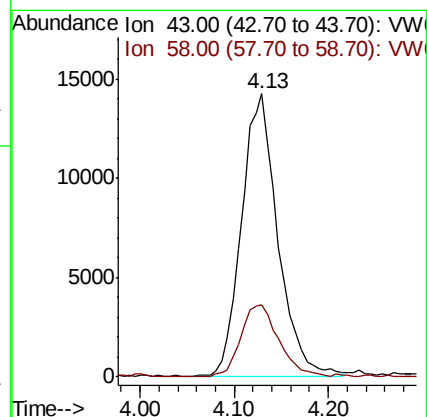
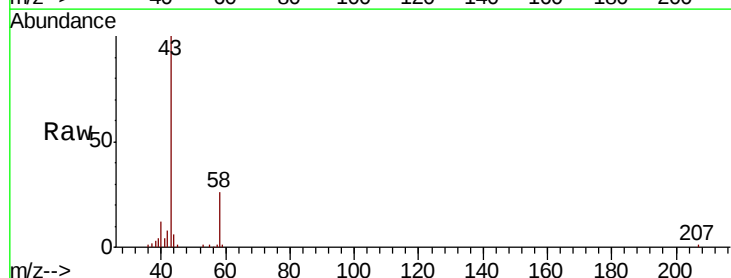
Acq: 19 Jun 2019 21:20

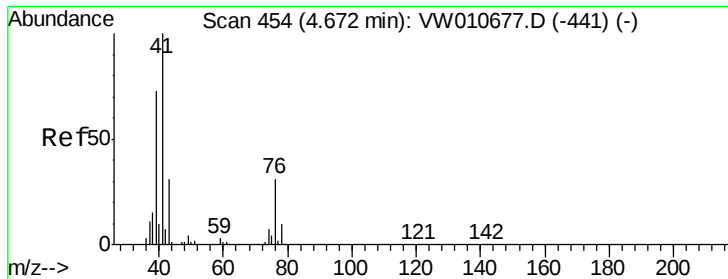
Tgt Ion: 43 Resp: 38507

Ion Ratio Lower Upper

43 100

58 25.7 22.1 33.1

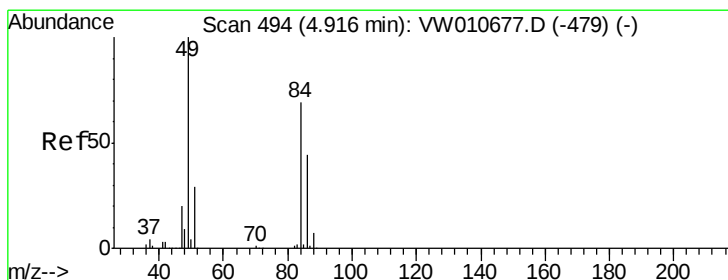
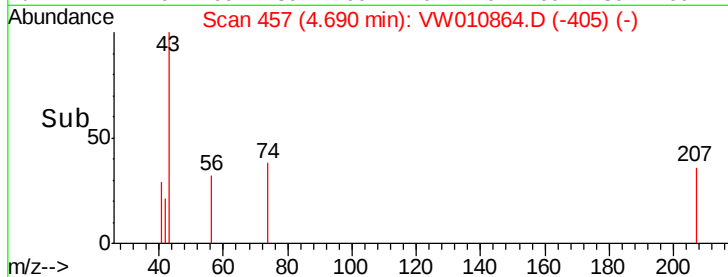
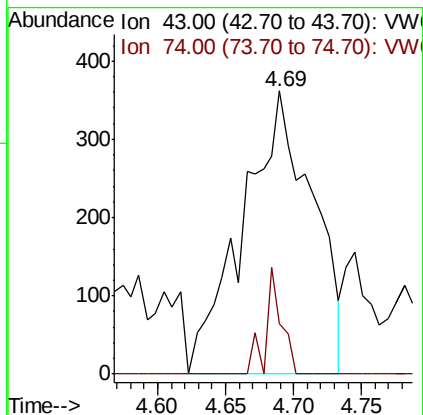
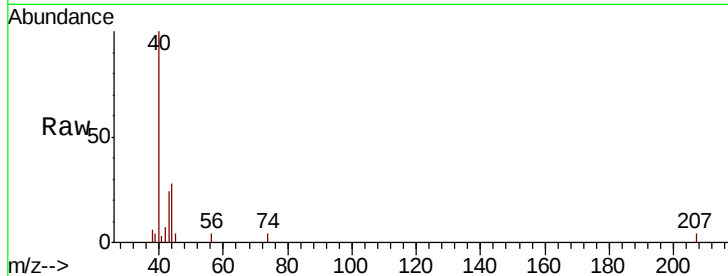




#18
Methyl Acetate
Concen: 1.095 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

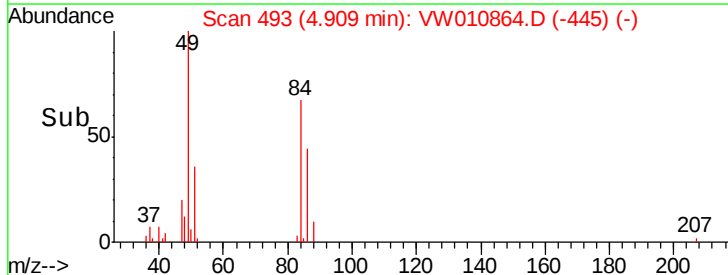
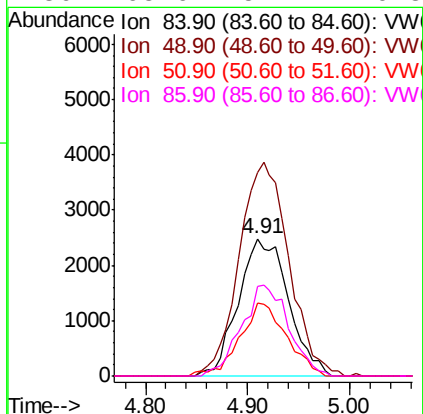
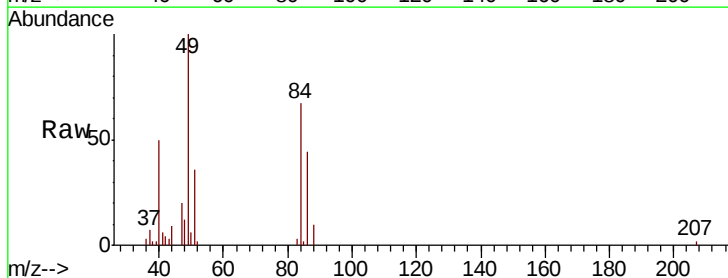
Instrument :
MSVOA_W
ClientSampled :
SAMPLE-3

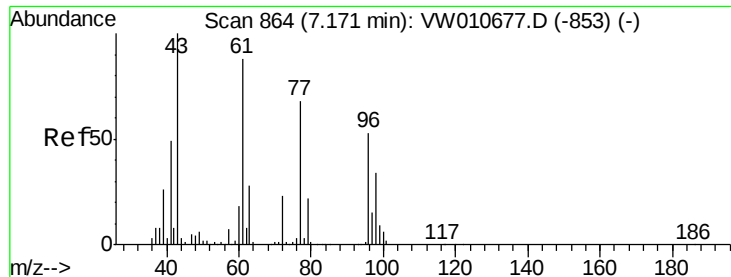
Tot Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
74 8.6 16.7 25.1#



#20
Methylene Chloride
Concen: 4.377 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

Tgt Ion: 84 Resp: 8445
Ion Ratio Lower Upper
84 100
49 148.9 116.7 175.1
51 53.2 34.2 51.2#
86 65.6 51.2 76.8





#25

2-Butanone

Concen: 10.628 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampled :

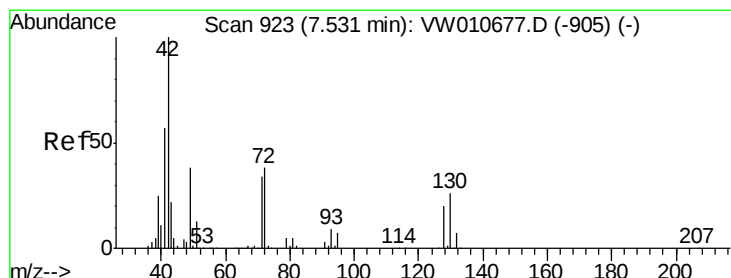
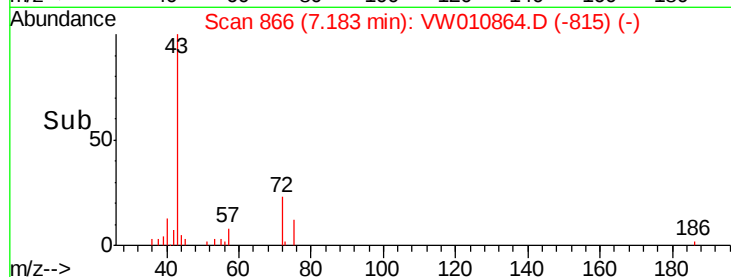
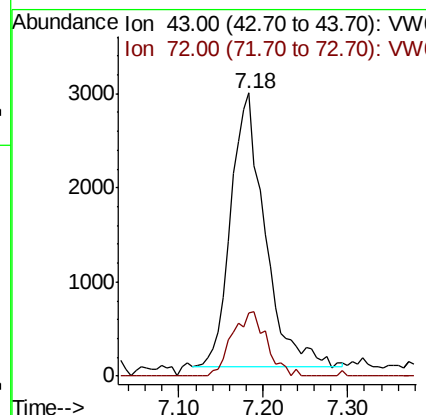
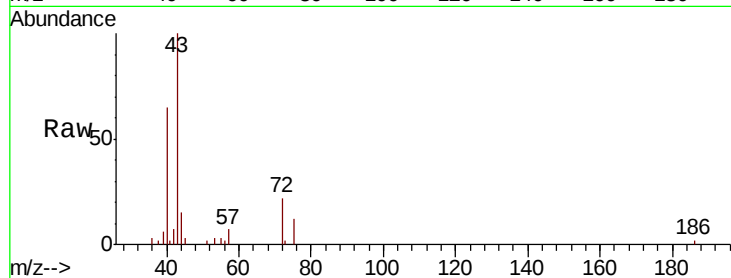
SAMPLE-3

Tot Ion: 43 Resp: 8106

Ion Ratio Lower Upper

43 100

72 23.2 18.1 27.1



#29

Tetrahydrofuran

Concen: 1.390 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

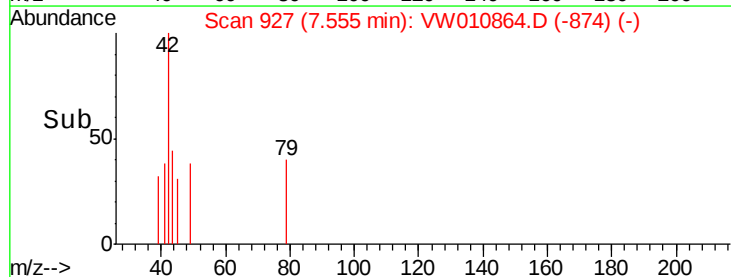
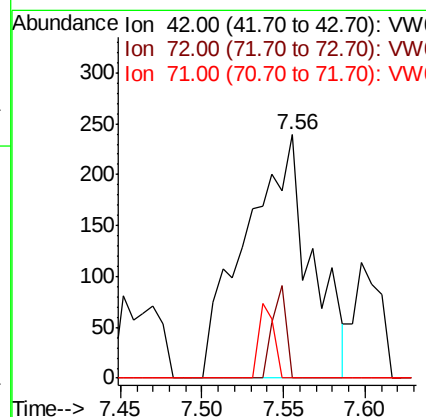
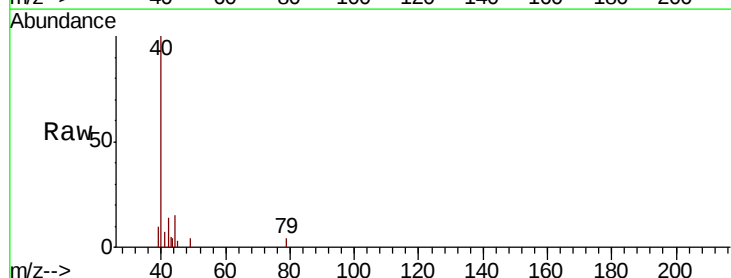
Tgt Ion: 42 Resp: 667

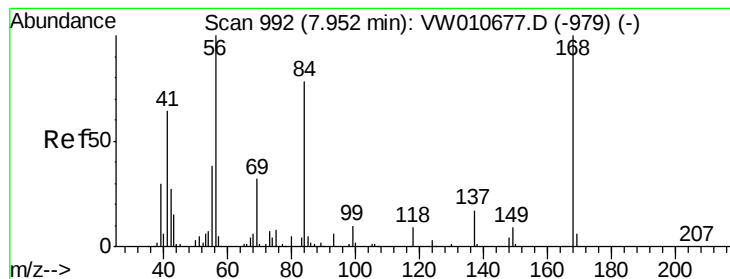
Ion Ratio Lower Upper

42 100

72 7.9 28.7 43.1#

71 7.2 26.6 39.8#





#31

Cvclohexane

Concen: 1.240 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-3

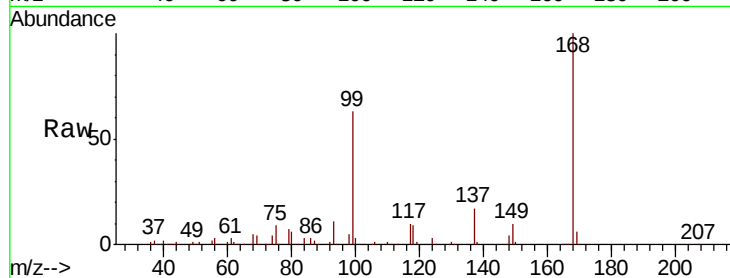
Tot Ion: 56 Resp: 5136

Ion Ratio Lower Upper

56 100

69 134.6 25.2 37.8#

84 112.5 62.2 93.2#

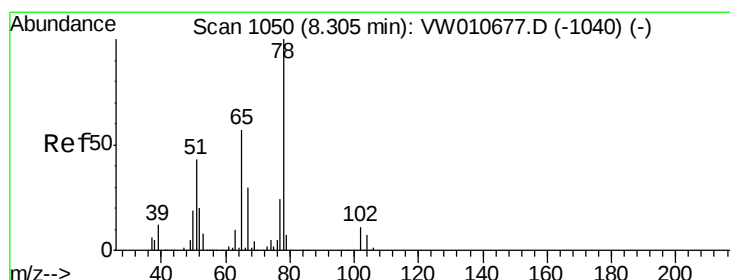
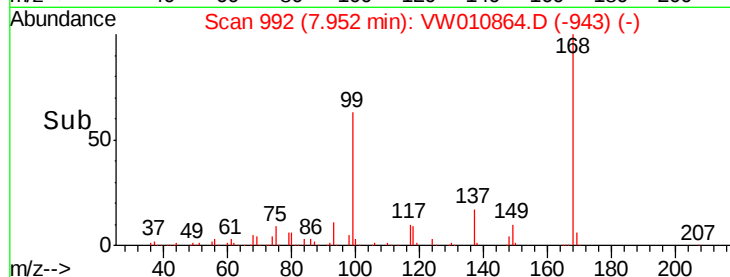
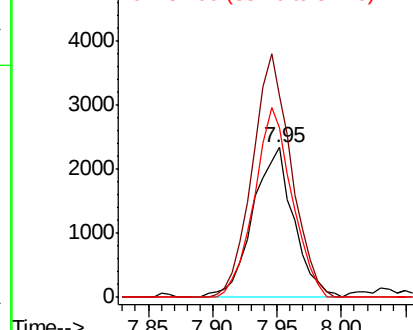


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 58.987 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010864.D

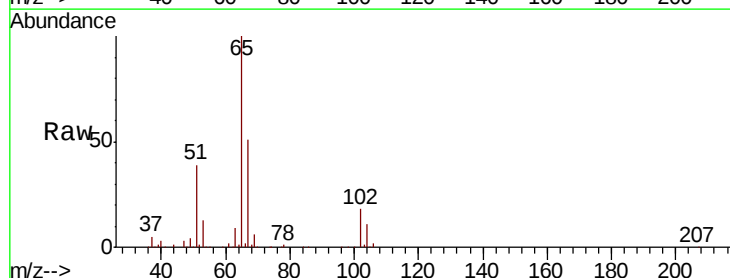
Acq: 19 Jun 2019 21:20

Tgt Ion: 65 Resp: 121088

Ion Ratio Lower Upper

65 100

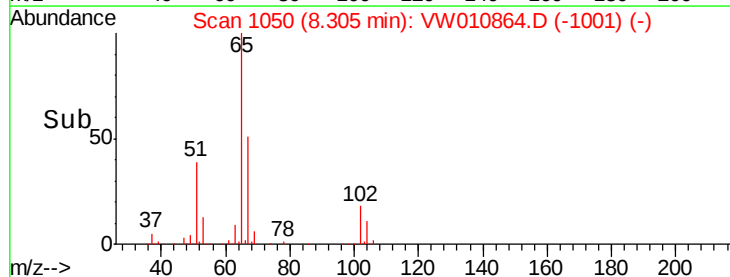
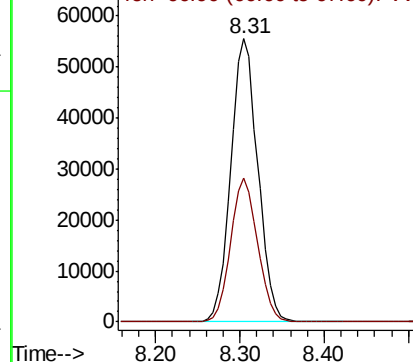
67 50.8 0.0 102.6

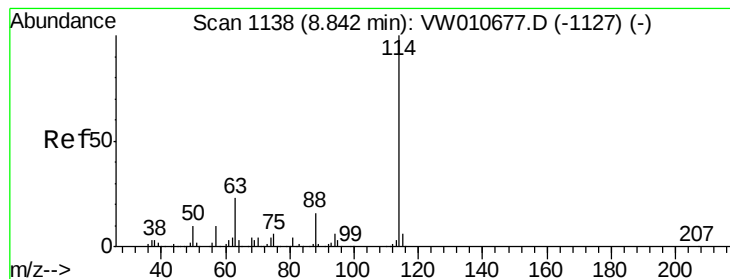


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-3

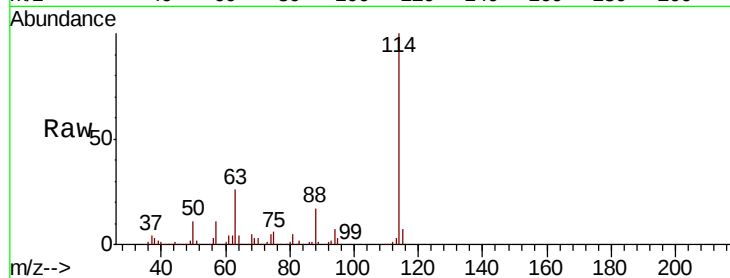
Tot Ion:114 Resp: 299315

Ion Ratio Lower Upper

114 100

63 25.6 0.0 46.4

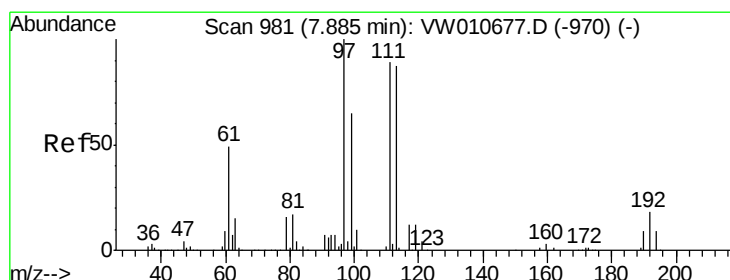
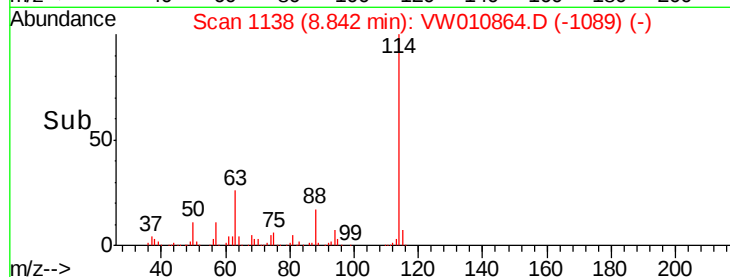
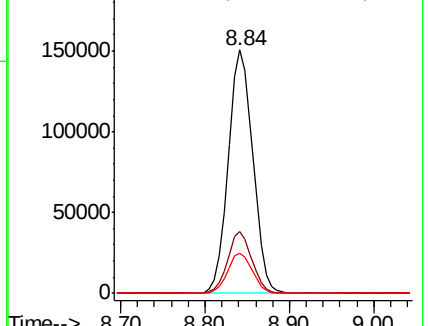
88 16.6 0.0 32.2



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: 50.476 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

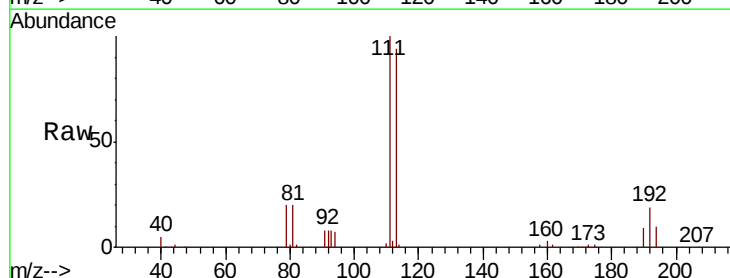
Tgt Ion:113 Resp: 82004

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

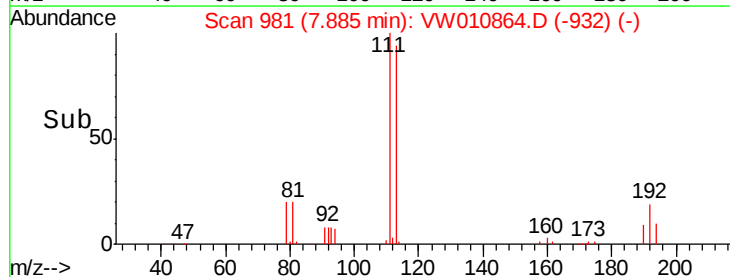
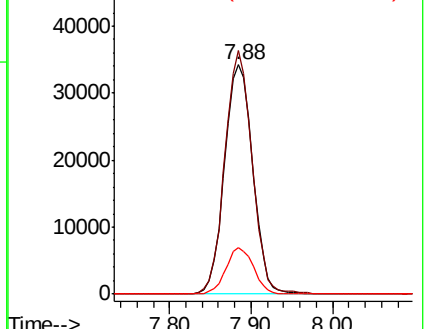
192 19.7 16.4 24.6

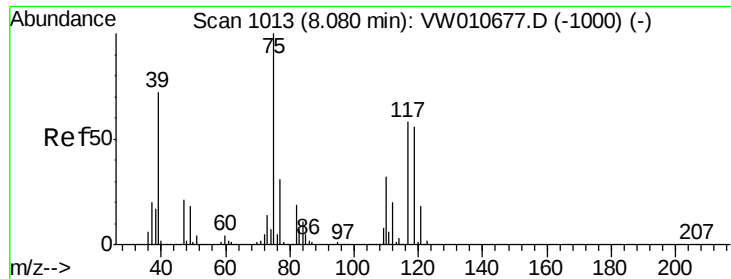


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

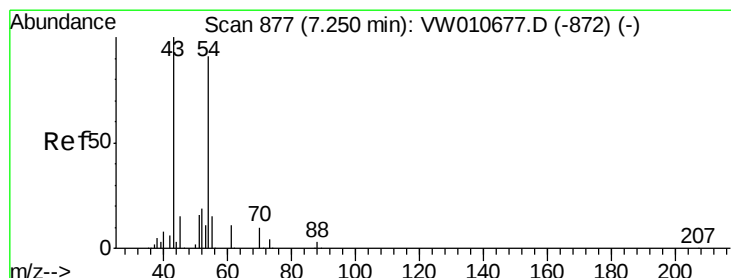
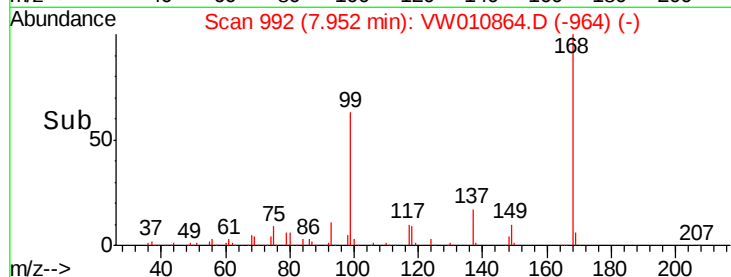
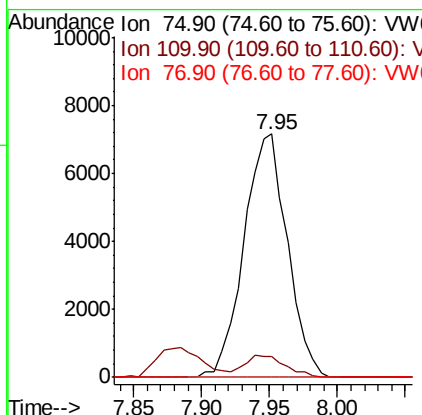
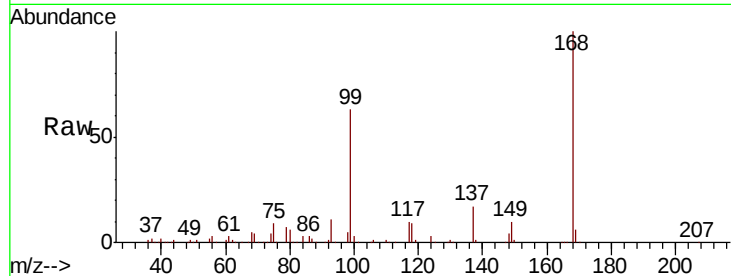




#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010864.D
 Acq: 19 Jun 2019 21:20

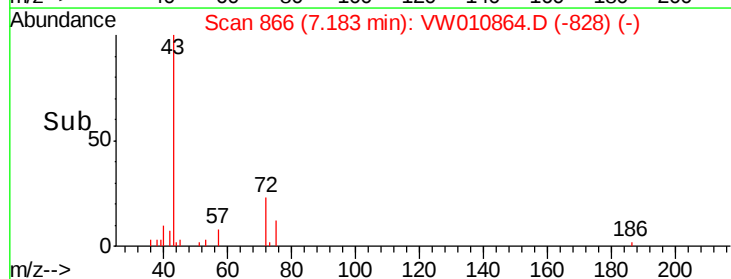
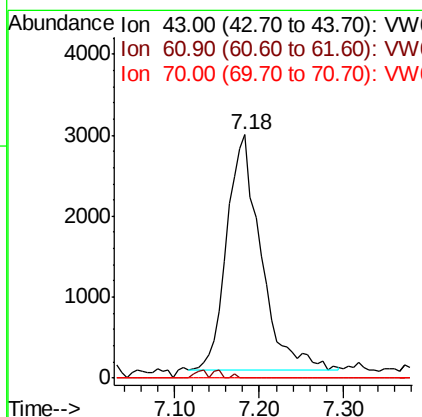
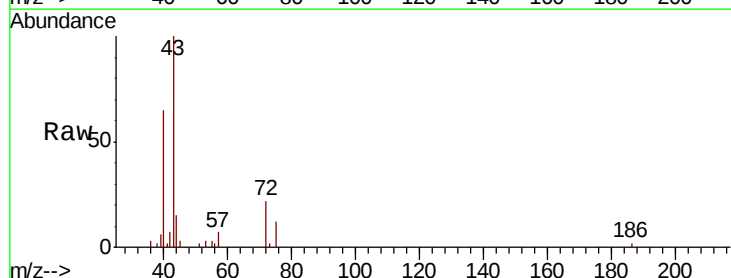
Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-3

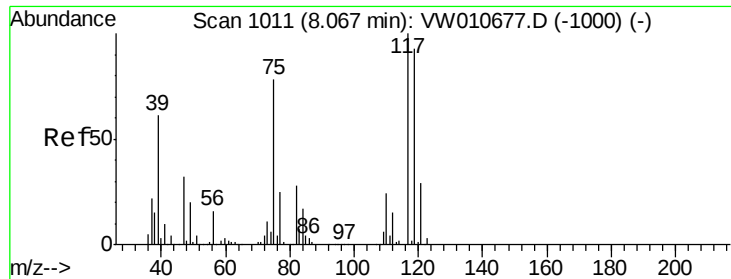
Tot Ion: 75 Resp: 15934
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.8 47.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 4.774 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW010864.D
 Acq: 19 Jun 2019 21:20

Tgt Ion: 43 Resp: 8106
 Ion Ratio Lower Upper
 43 100
 61 0.2 9.7 14.5#
 70 0.0 7.2 10.8#

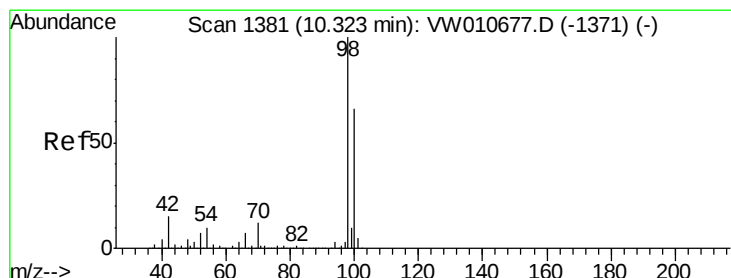
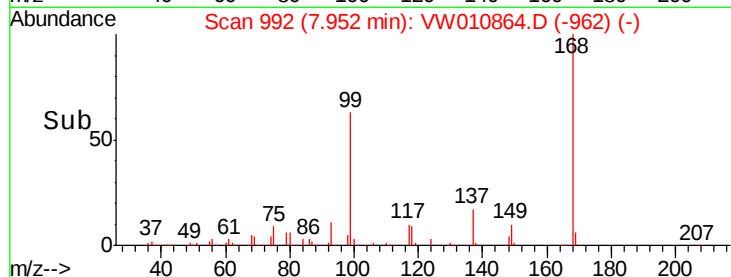
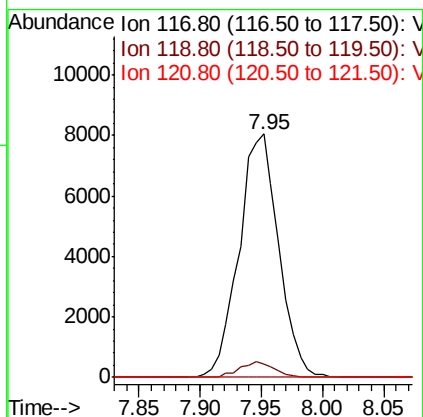
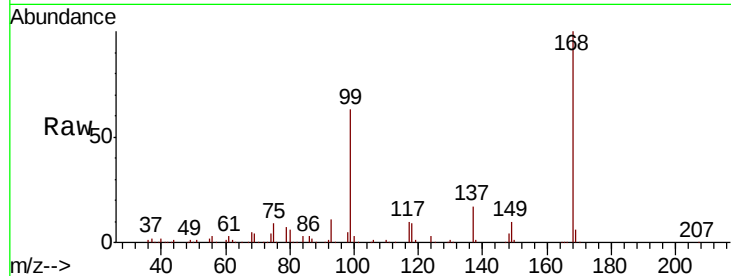




#38
Carbon Tetrachloride
Concen: 6.844 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

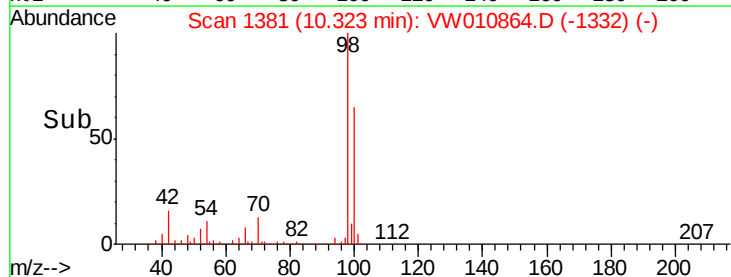
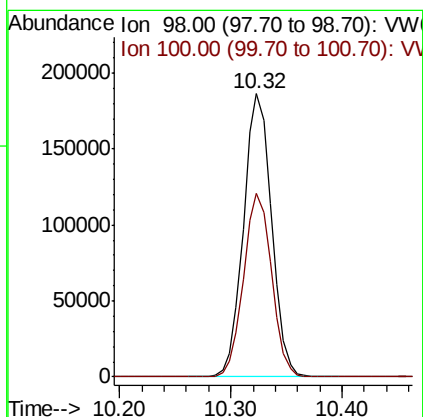
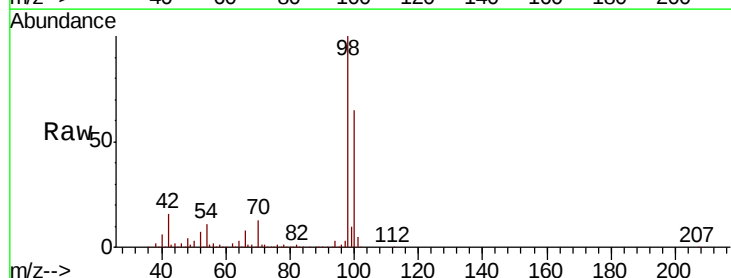
Instrument :
MSVOA_W
ClientSampled :
SAMPLE-3

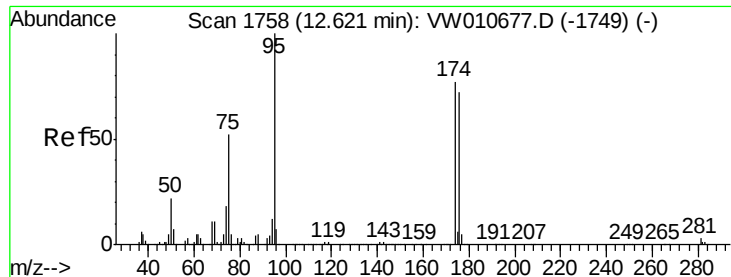
Tot Ion:117 Resp: 18101
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.4#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 45.825 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

Tgt Ion: 98 Resp: 326466
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6





#62

4-Bromofluorobenzene

Concen: 41.347 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampled :

SAMPLE-3

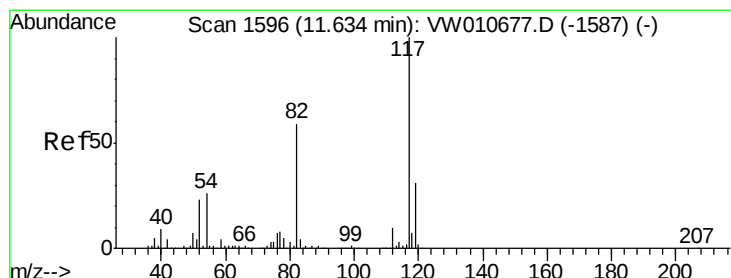
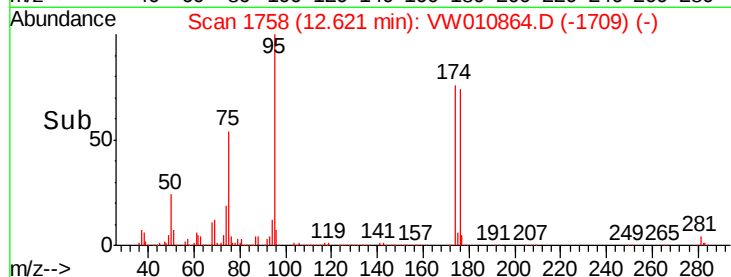
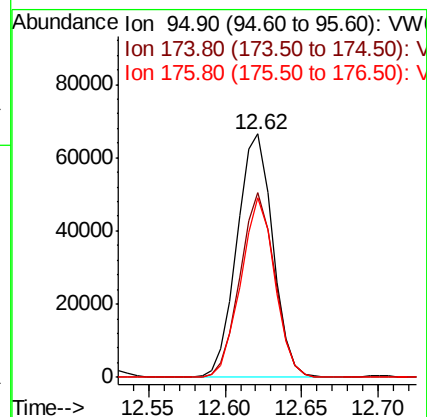
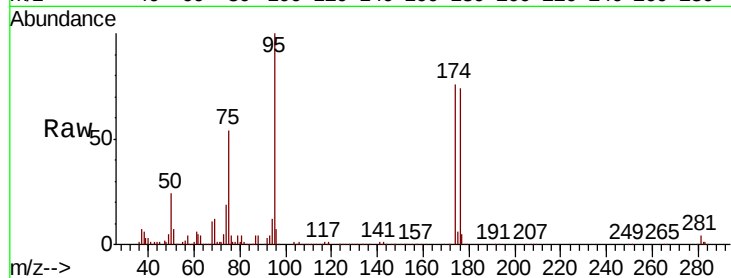
Tot Ion: 95 Resp: 107187

Ion Ratio Lower Upper

95 100

174 74.2 0.0 150.4

176 70.6 0.0 144.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

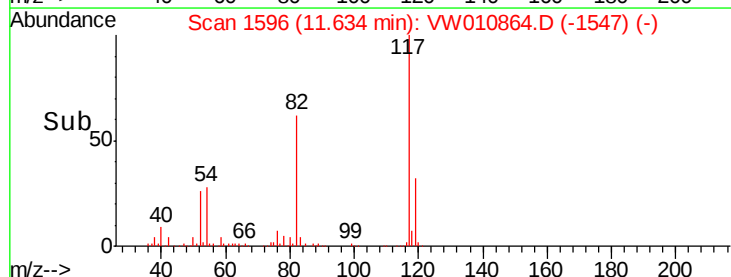
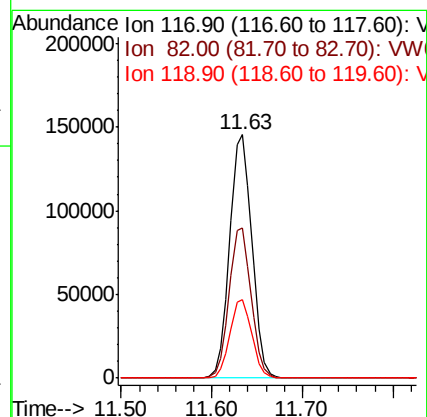
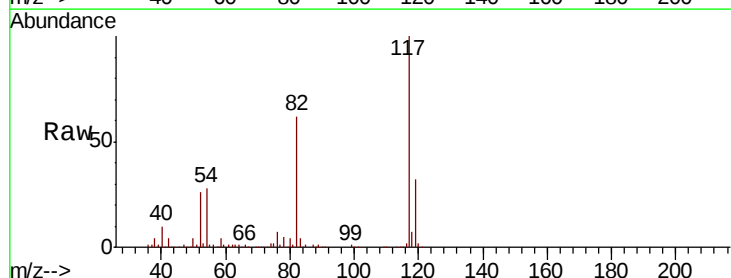
Tgt Ion: 117 Resp: 247181

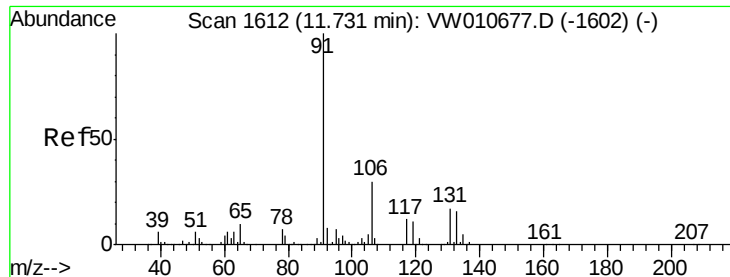
Ion Ratio Lower Upper

117 100

82 61.6 47.0 70.4

119 32.0 25.1 37.7

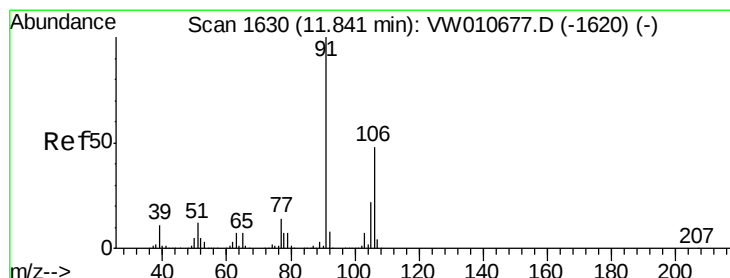
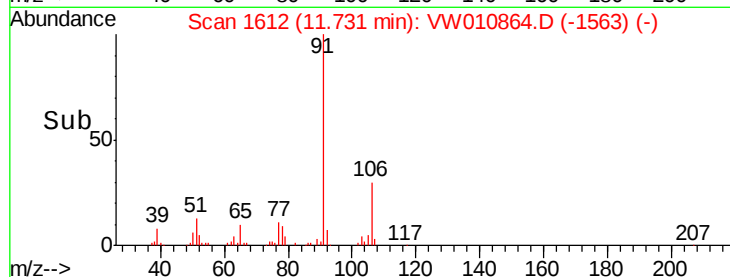
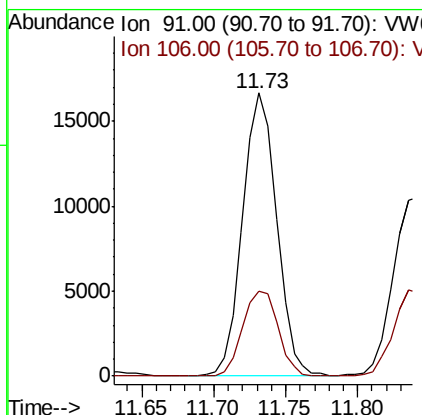
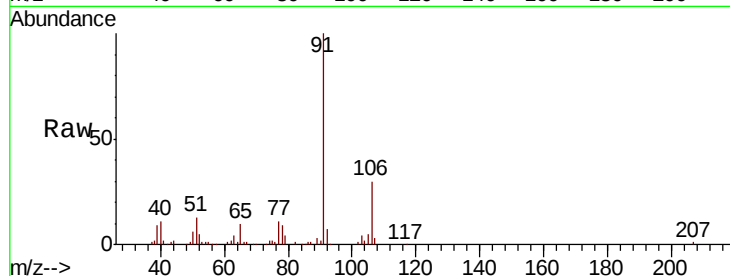




#67
Ethyl Benzene
Concen: 2.931 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

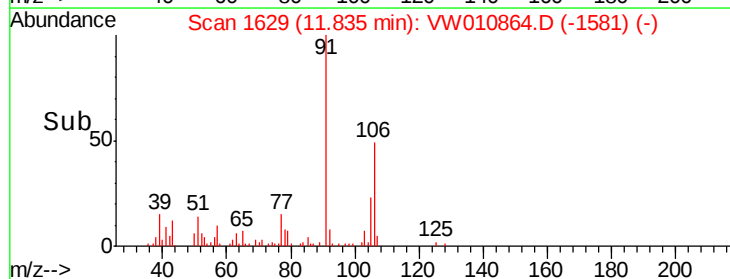
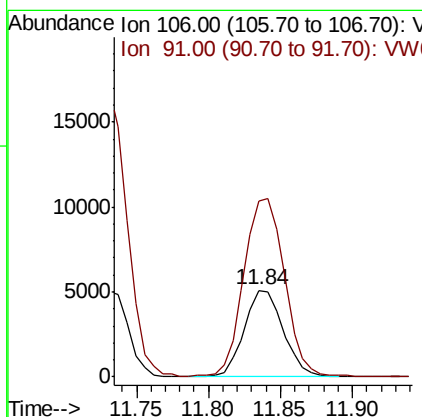
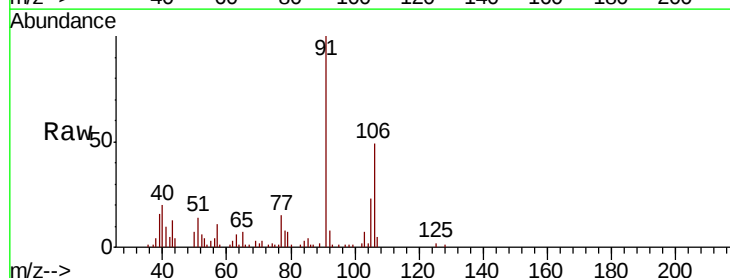
Instrument :
MSVOA_W
ClientSampled :
SAMPLE-3

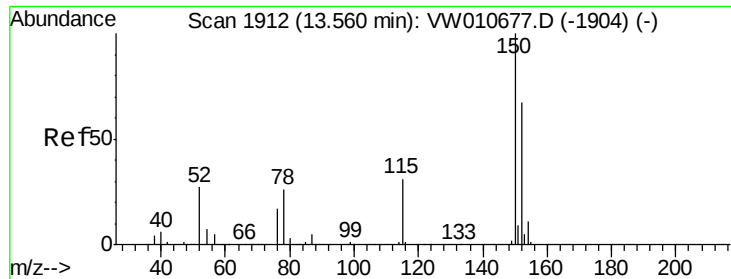
Tot Ion: 91 Resp: 27378
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4



#68
m/p-Xylenes
Concen: 2.859 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010864.D
Acq: 19 Jun 2019 21:20

Tgt Ion: 106 Resp: 9560
Ion Ratio Lower Upper
106 100
91 215.9 166.5 249.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-3

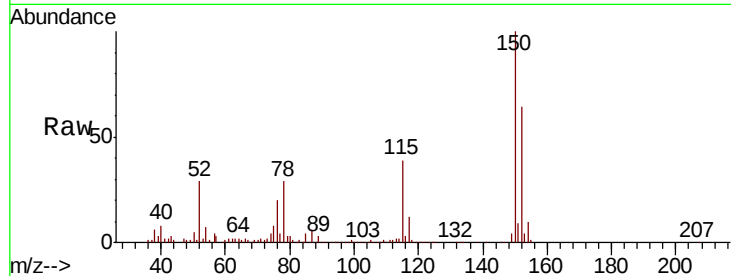
Tot Ion:152 Resp: 94484

Ion Ratio Lower Upper

152 100

115 62.2 29.8 89.3

150 155.6 0.0 345.0

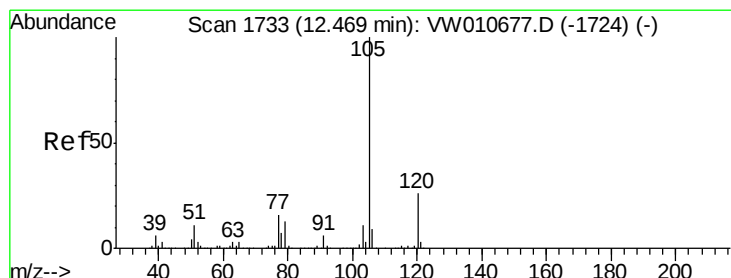
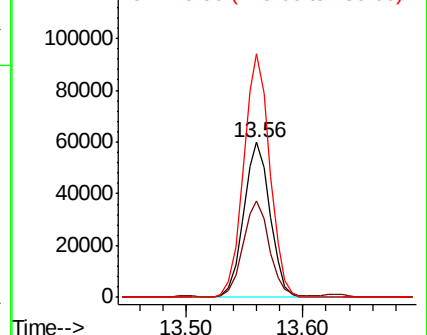
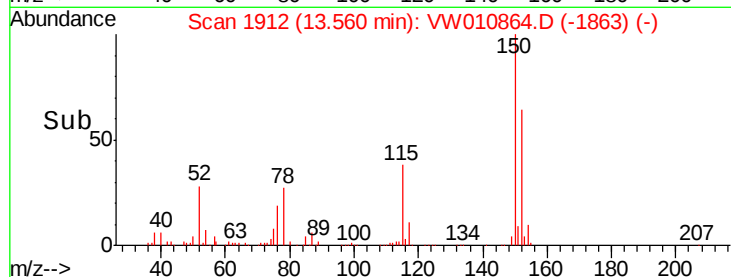


Abundance

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: 1.019 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010864.D

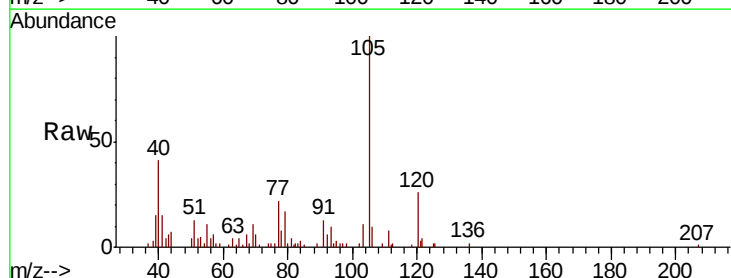
Acq: 19 Jun 2019 21:20

Tgt Ion:105 Resp: 7236

Ion Ratio Lower Upper

105 100

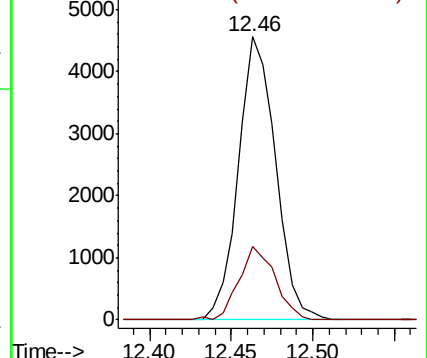
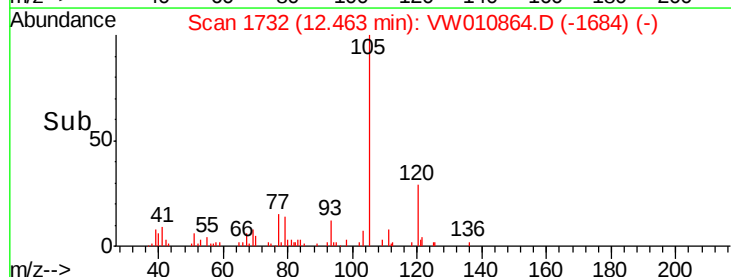
120 25.3 13.1 39.1

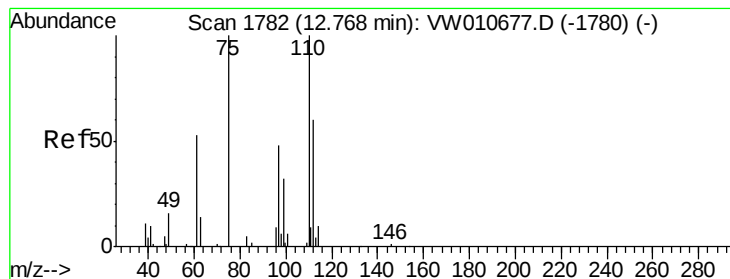


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 59.375 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

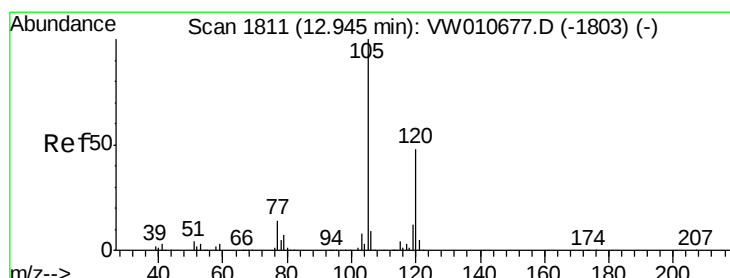
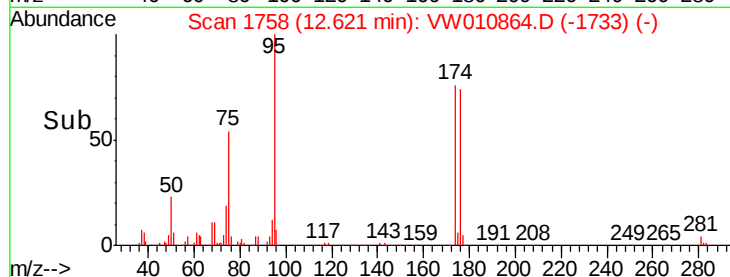
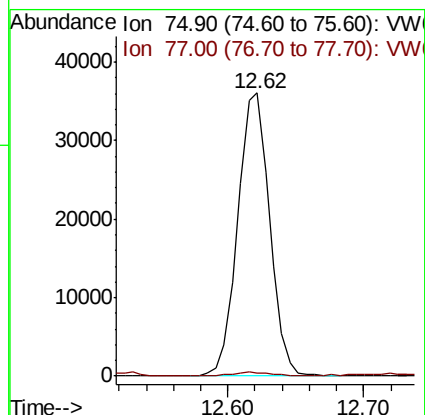
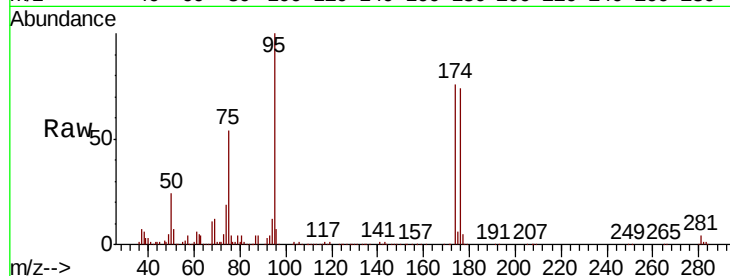
SAMPLE-3

Tot Ion: 75 Resp: 58913

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 5.135 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010864.D

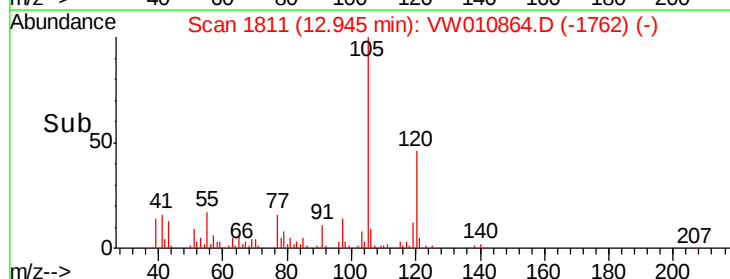
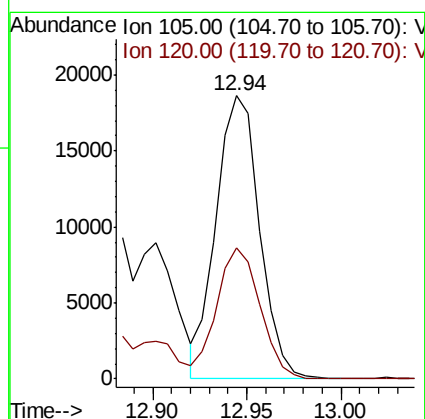
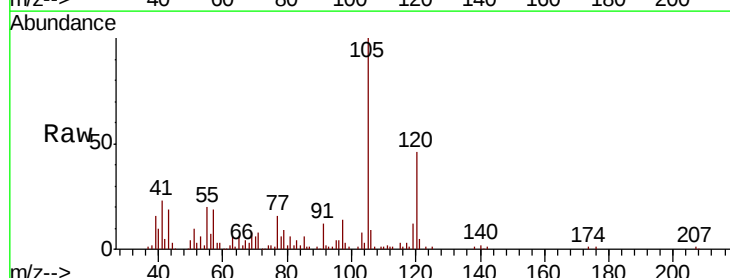
Acq: 19 Jun 2019 21:20

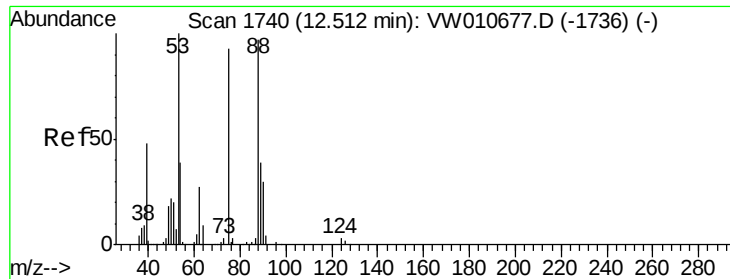
Tgt Ion: 105 Resp: 29845

Ion Ratio Lower Upper

105 100

120 46.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 136.464 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-3

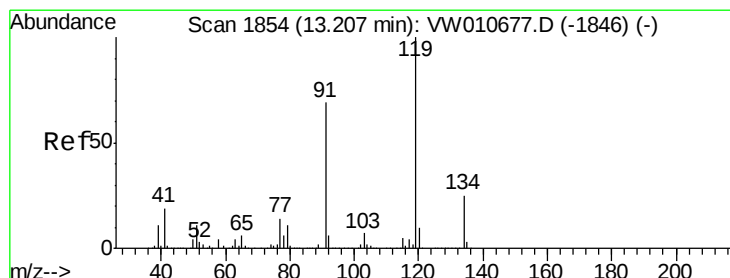
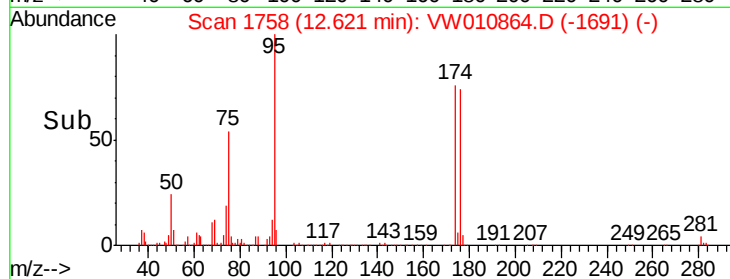
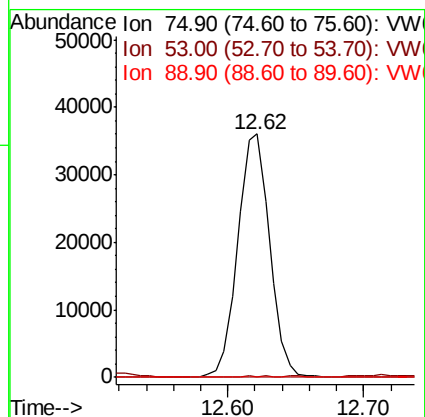
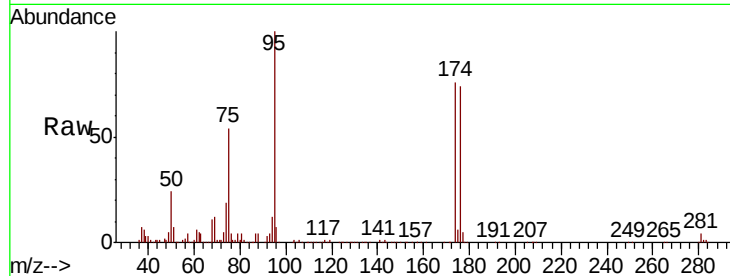
Tot Ion: 75 Resp: 58913

Ion Ratio Lower Upper

75 100

53 0.2 90.1 135.1#

89 0.0 34.6 52.0#



#83

tert-Butylbenzene

Concen: 1.873 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.05 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

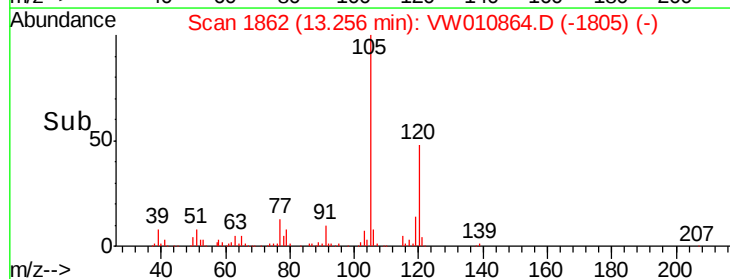
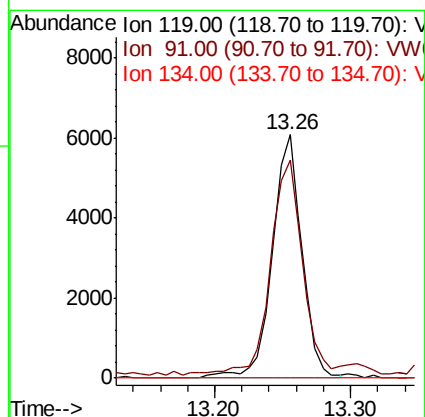
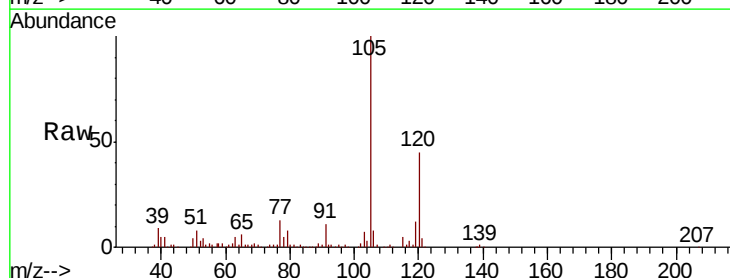
Tgt Ion: 119 Resp: 9240

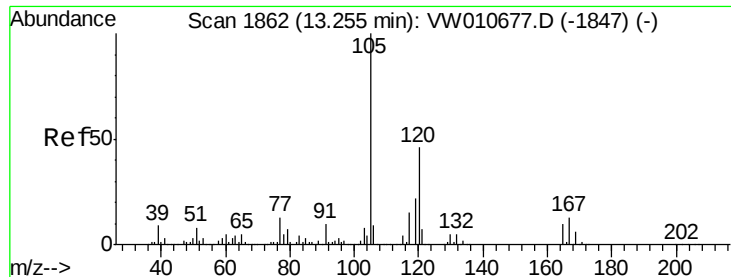
Ion Ratio Lower Upper

119 100

91 93.2 35.1 105.3

134 0.0 13.6 40.7#

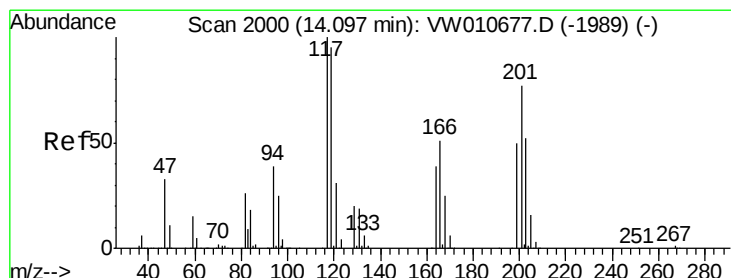
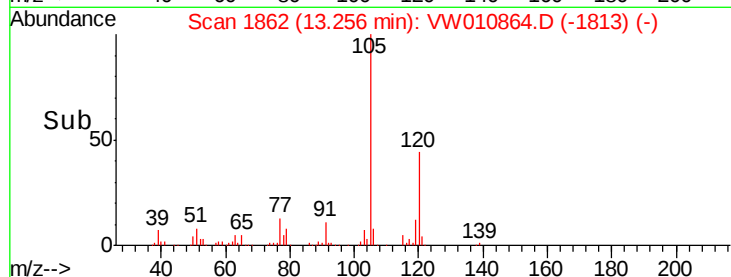
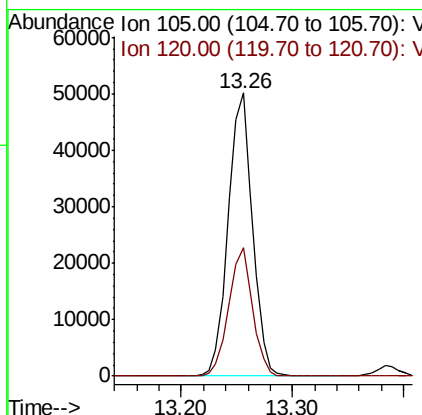
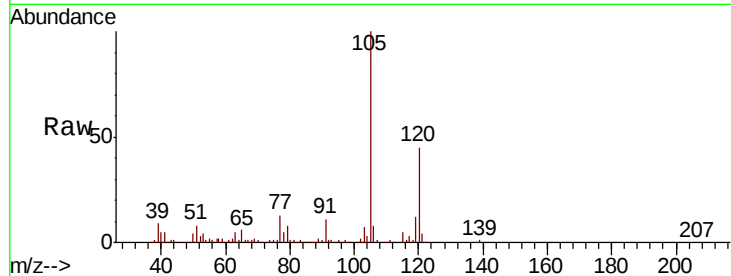




#84
 1,2,4-Trimethylbenzene
 Concen: 12.963 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010864.D
 Acq: 19 Jun 2019 21:20

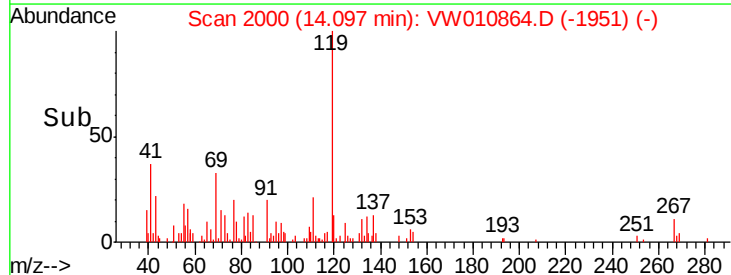
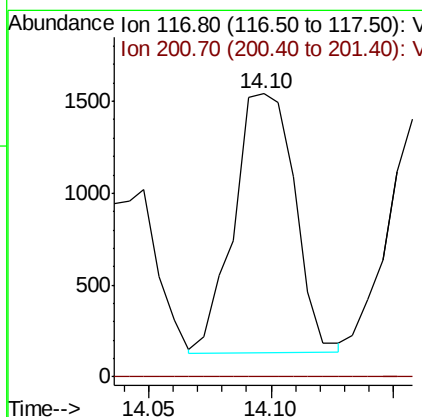
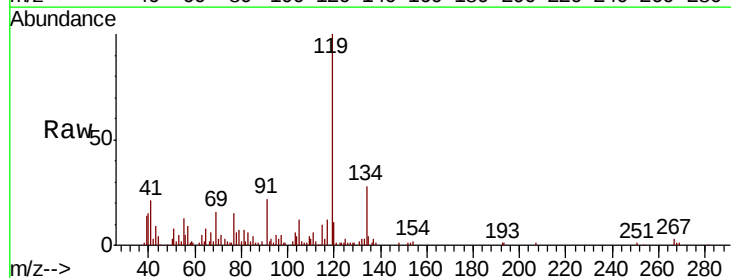
Instrument :
 MSVOA_W
 ClientSampleId :
 SAMPLE-3

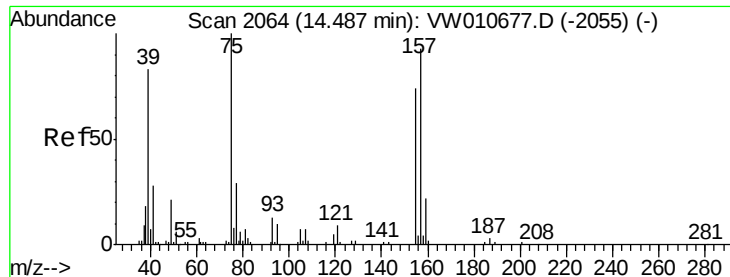
Tot Ion:105 Resp: 75807
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.5 67.5



#90
 Hexachloroethane
 Concen: 2.125 ug/l
 RT: 14.10 min Scan# 2000
 Delta R.T. 0.00 min
 Lab File: VW010864.D
 Acq: 19 Jun 2019 21:20

Tgt Ion:117 Resp: 2444
 Ion Ratio Lower Upper
 117 100
 201 0.0 38.8 116.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.538 ug/l

RT: 14.45 min Scan# 2058

Delta R.T. -0.04 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

Instrument :

MSVOA_W

ClientSampleId :

SAMPLE-3

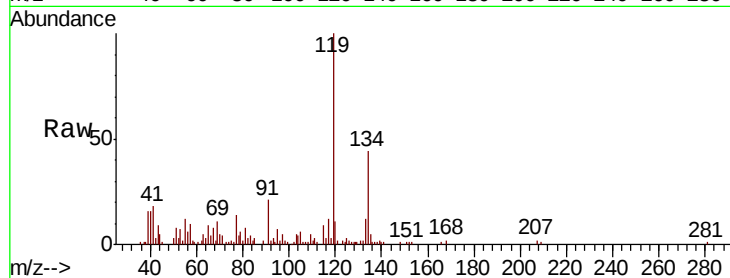
Tot Ion: 75 Resp: 357

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.4#

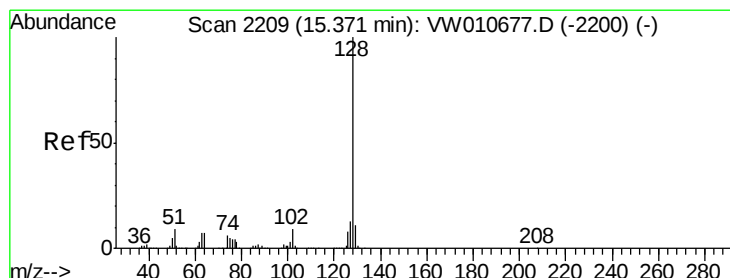
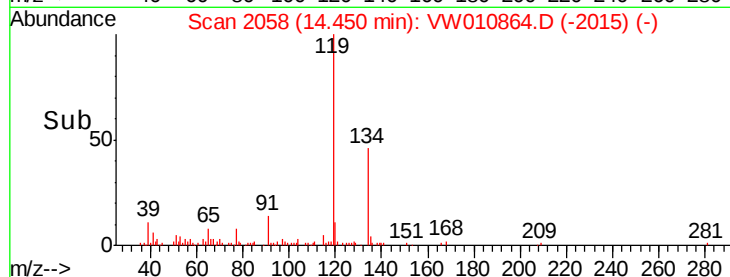
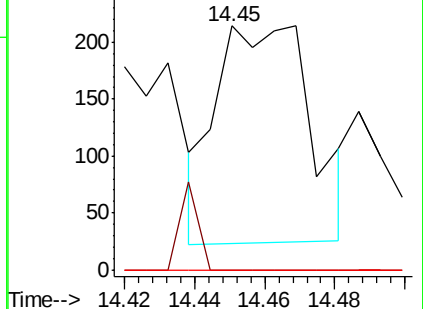
157 0.0 48.4 145.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 226.955 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010864.D

Acq: 19 Jun 2019 21:20

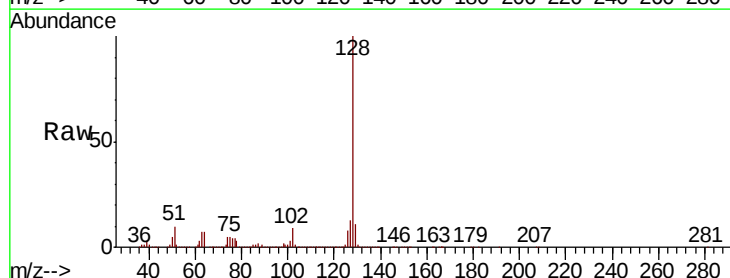
Tgt Ion:128 Resp: 777767

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.0 8.6 13.0



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

