

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100618\
 Data File : VW005877.D
 Acq On : 05 Oct 2018 03:57
 Operator : SY/AP
 Sample : J5199-01RE
 Misc : 6.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-100318

Quant Time: Oct 05 05:15:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

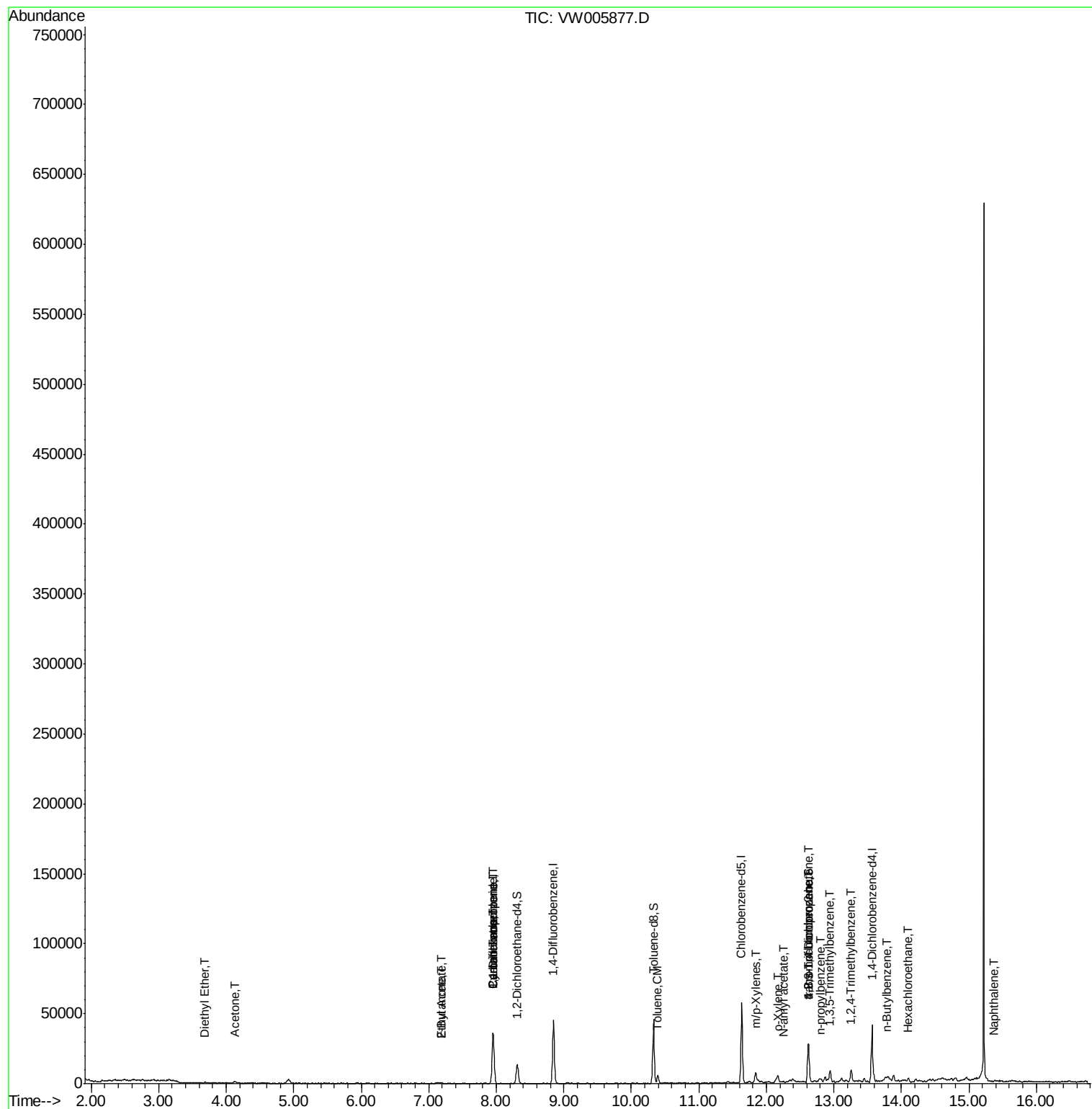
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	36018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	31716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	10762	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	11473	34.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.66%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	10.33	98	30532	32.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.14%	
62) 4-Bromofluorobenzene	12.63	95	8838	25.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.02%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	277	1.941	ug/l	87
16) Acetone	4.12	43	2750	50.024	ug/l	99
20) Methylene Chloride	4.92	84	2248	Below Cal	#	83
25) 2-Butanone	7.19	43	191	2.470	ug/l #	49
31) Cyclohexane	7.95	56	583	1.294	ug/l #	18
36) 1,1-Dichloropropene	7.96	75	2026	5.659	ug/l #	46
37) Ethyl Acetate	7.19	43	191	1.282	ug/l #	68
38) Carbon Tetrachloride	7.96	117	2812	7.049	ug/l #	17
52) Toluene	10.40	92	2440	3.690	ug/l	90
68) m/p-Xylenes	11.84	106	1489	3.254	ug/l	85
69) o-Xylene	12.17	106	1197	2.814	ug/l	92
74) N-amyl acetate	12.26	43	362	2.246	ug/l #	68
76) 1,2,3-Trichloropropane	12.63	75	4382	44.803	ug/l #	100
78) n-propylbenzene	12.81	91	1096	1.244	ug/l	87
80) 1,3,5-Trimethylbenzene	12.95	105	2640	4.105	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	4382	113.253	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	5220	7.906	ug/l	96
89) n-Butylbenzene	13.78	91	1404	2.194	ug/l #	33
90) Hexachloroethane	14.11	117	170	1.301	ug/l #	6
95) Naphthalene	15.37	128	818	3.889	ug/l #	85

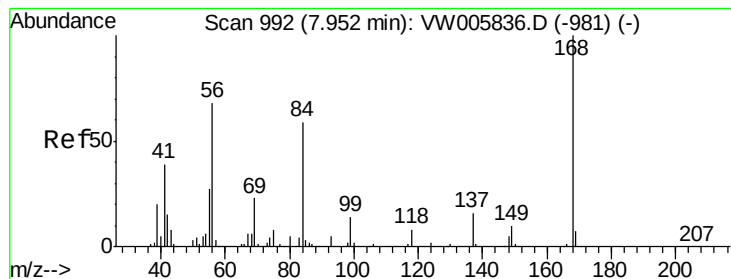
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

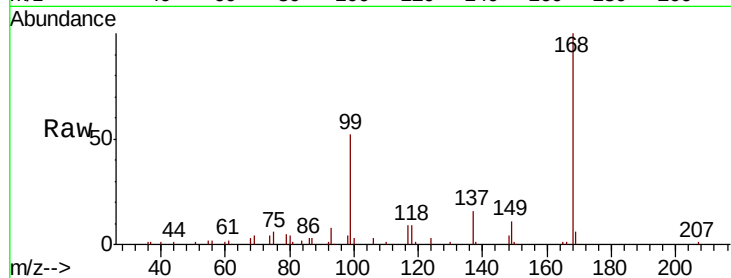
OK-01-100318

Tgt Ion: 168 Resp: 27153

Ion Ratio Lower Upper

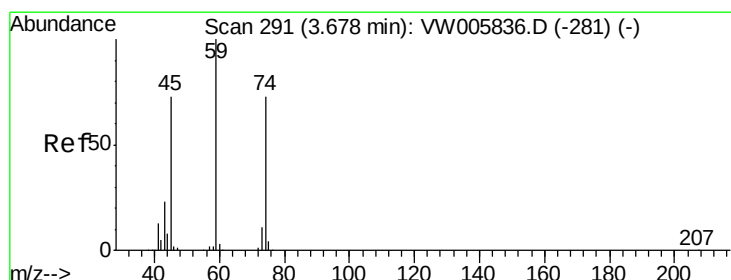
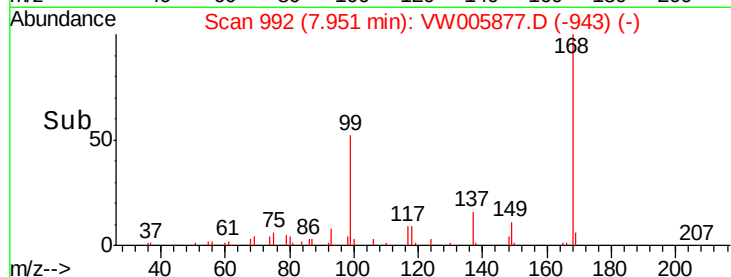
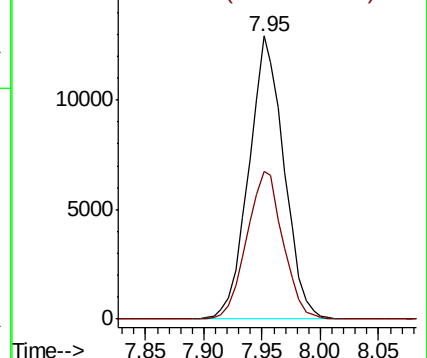
168 100

99 52.2 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.941 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005877.D

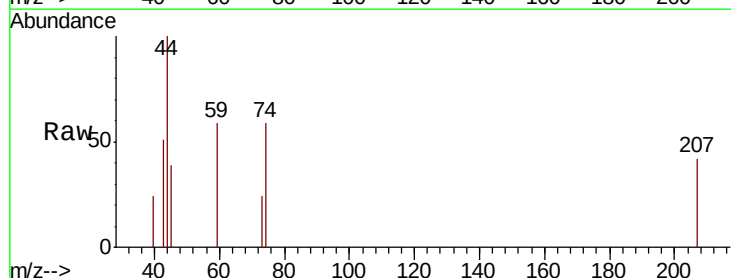
Acq: 05 Oct 2018 03:57

Tgt Ion: 74 Resp: 277

Ion Ratio Lower Upper

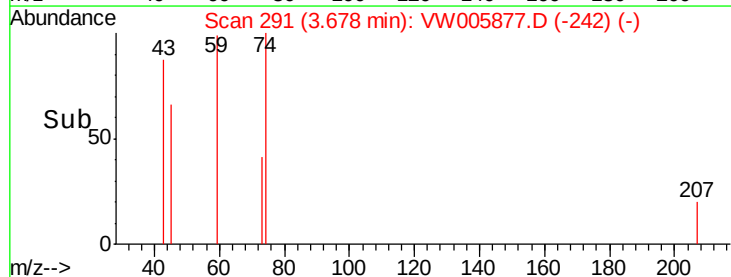
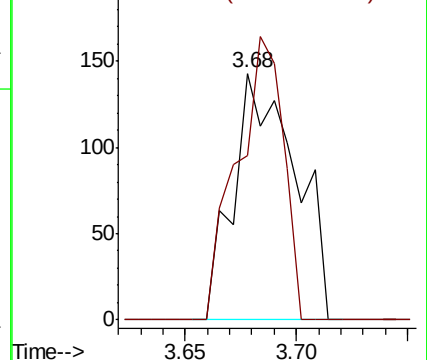
74 100

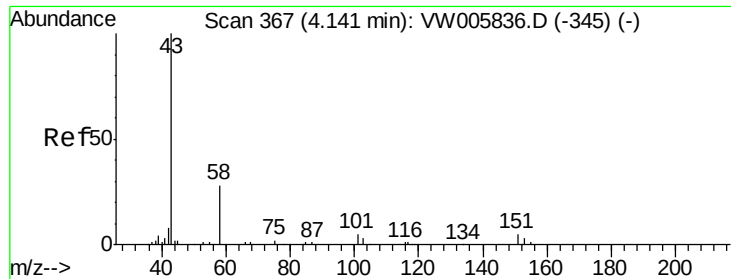
45 85.9 49.1 147.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 50.024 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

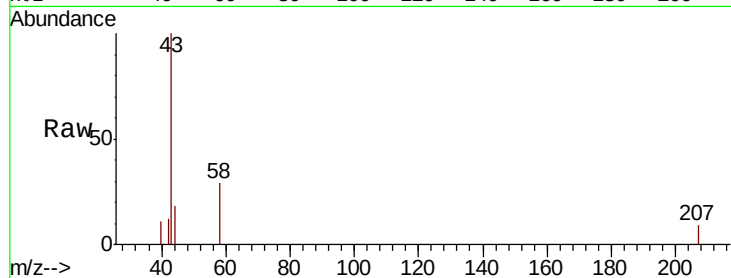
OK-01-100318

Tgt Ion: 43 Resp: 2750

Ion Ratio Lower Upper

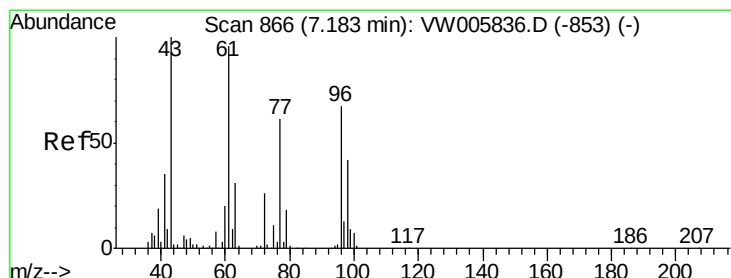
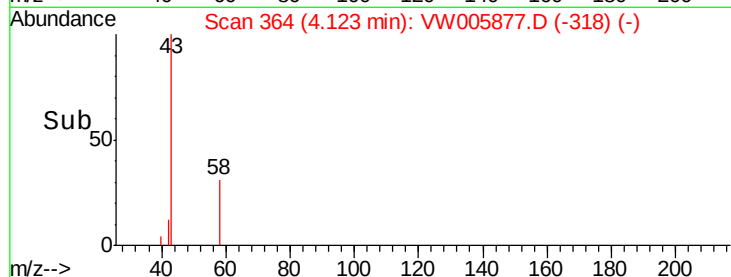
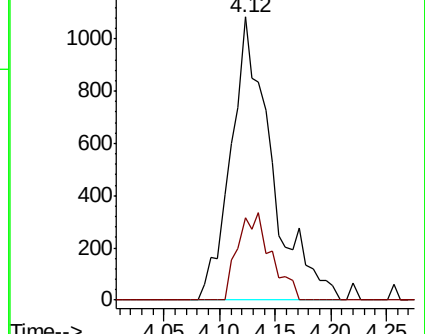
43 100

58 29.2 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 2.470 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW005877.D

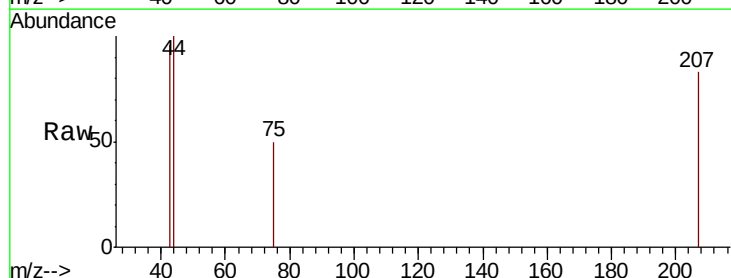
Acq: 05 Oct 2018 03:57

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

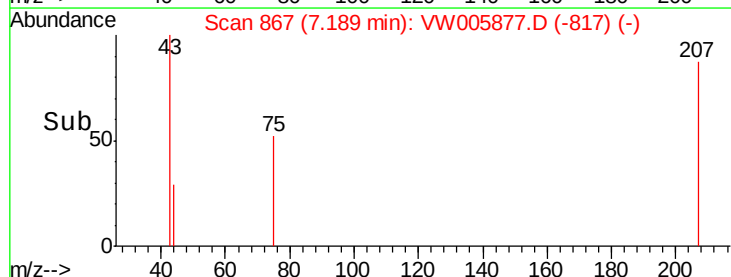
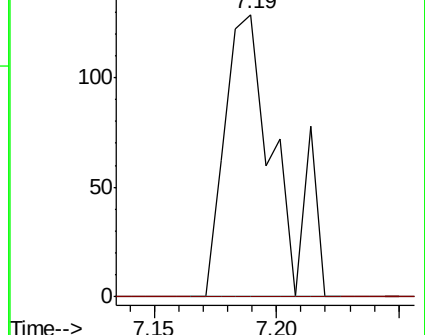
43 100

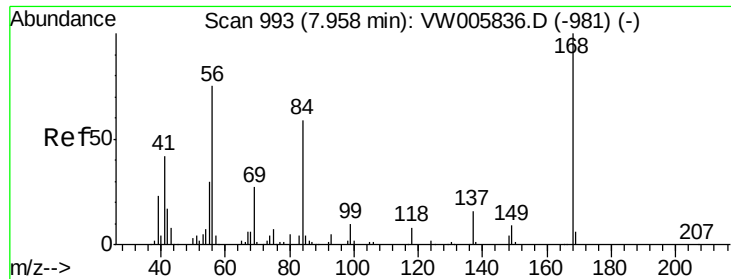
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

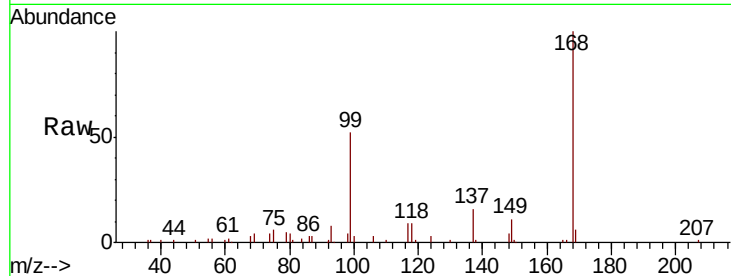




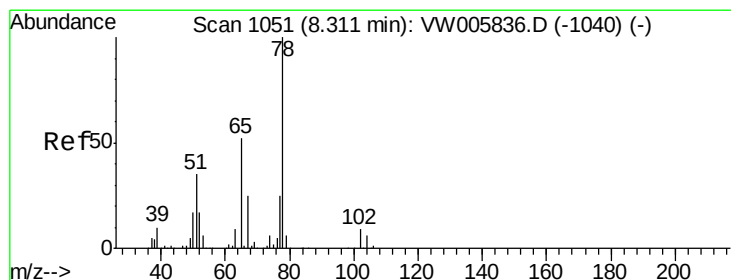
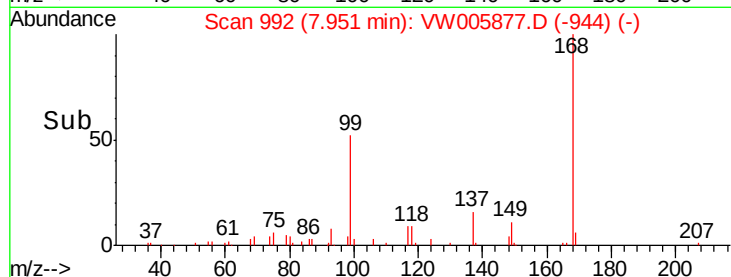
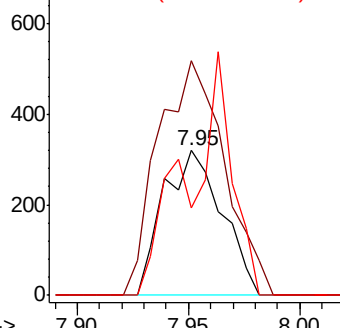
#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

Instrument :
MSVOA_W
ClientSampled :
OK-01-100318

Tgt Ion: 56 Resp: 583
Ion Ratio Lower Upper
56 100
69 162.2 29.0 43.4#
84 60.6 63.5 95.3#

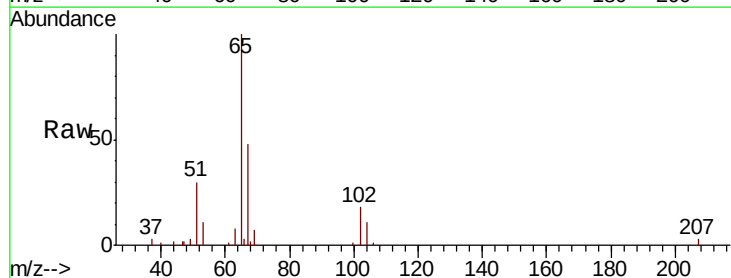


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

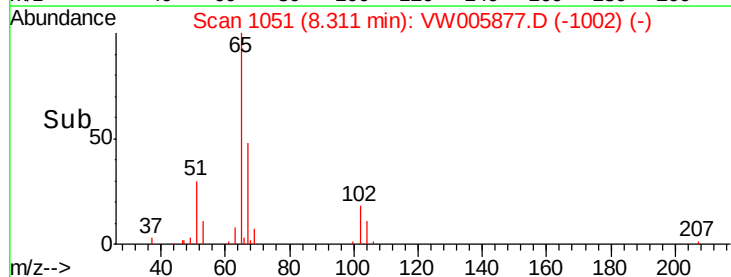
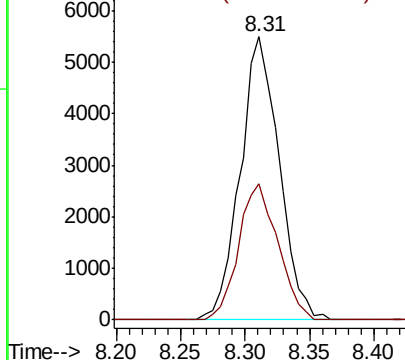


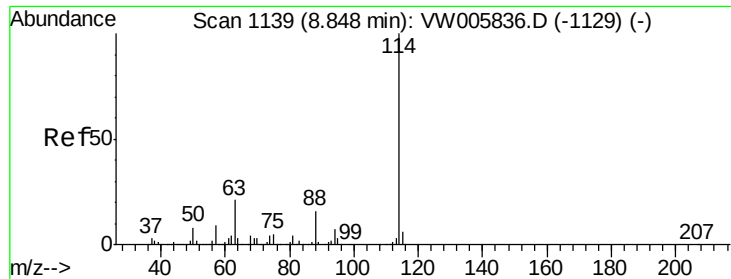
#33
1,2-Dichloroethane-d4
Concen: 34.829 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

Tgt Ion: 65 Resp: 11473
Ion Ratio Lower Upper
65 100
67 48.3 0.0 98.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

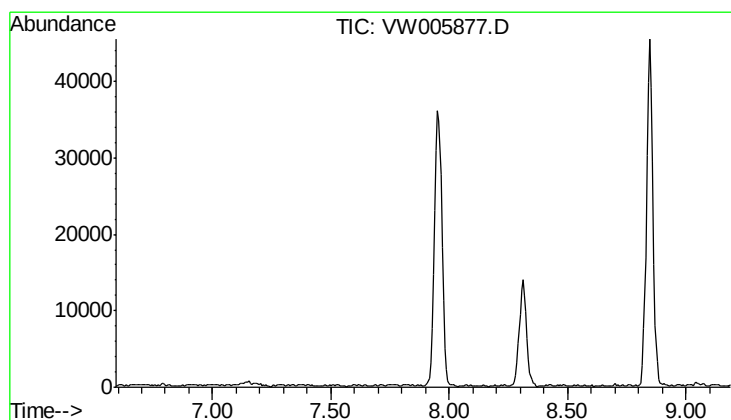
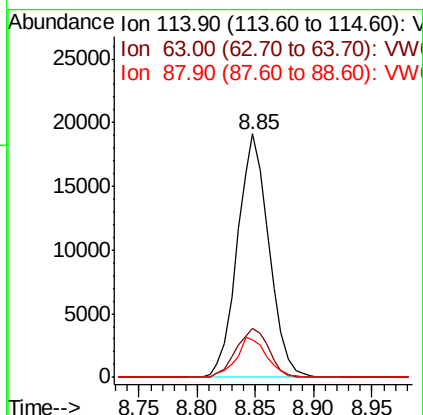
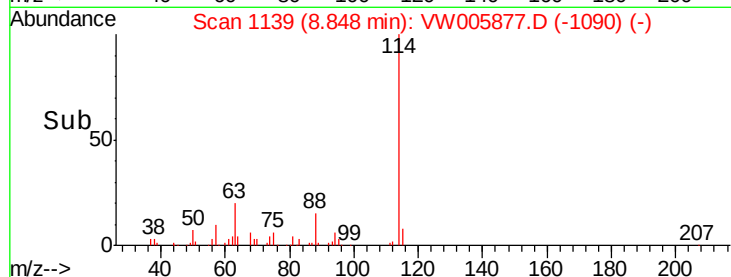
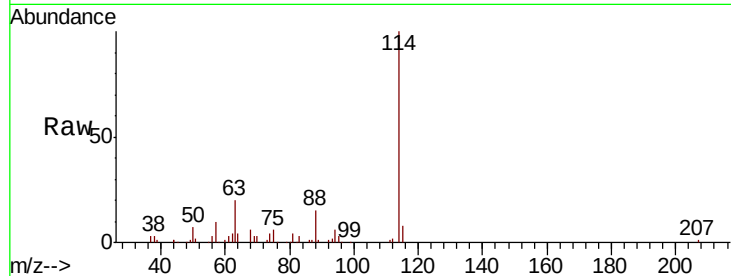




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

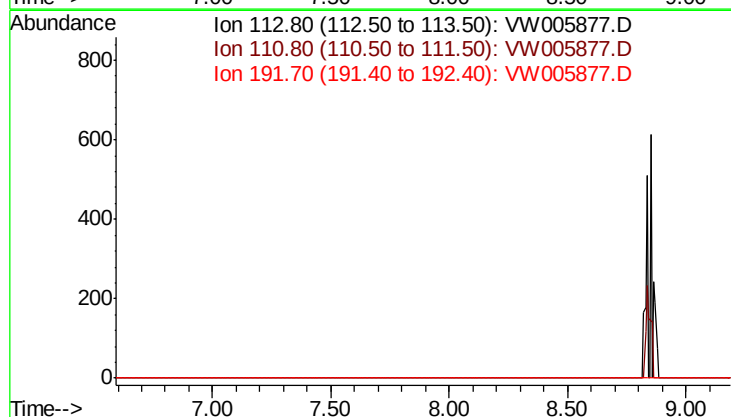
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-100318

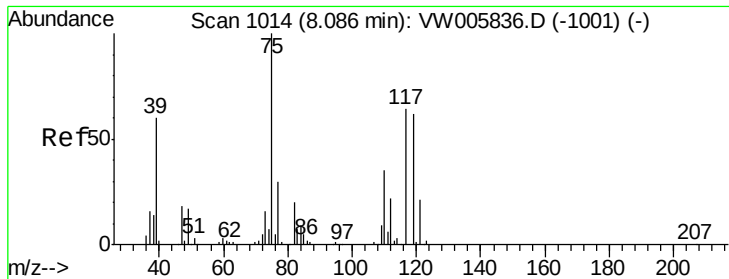
Tgt Ion:114 Resp: 36018
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.0
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.89 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.8
 192 21.6

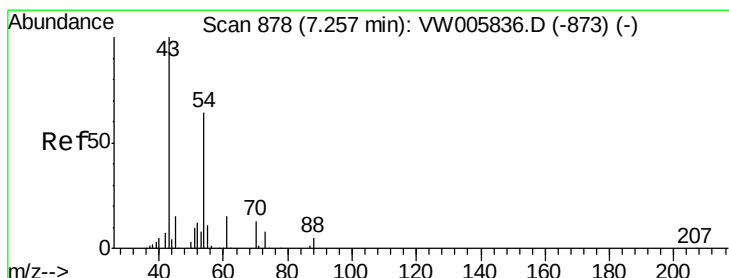
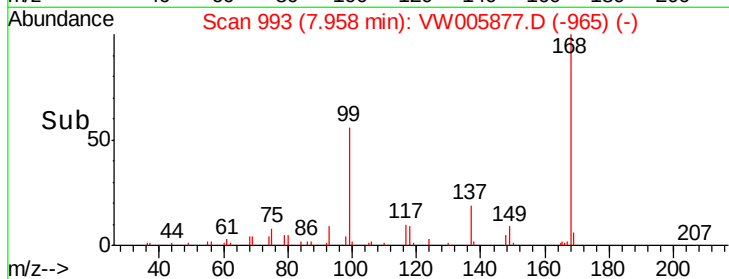
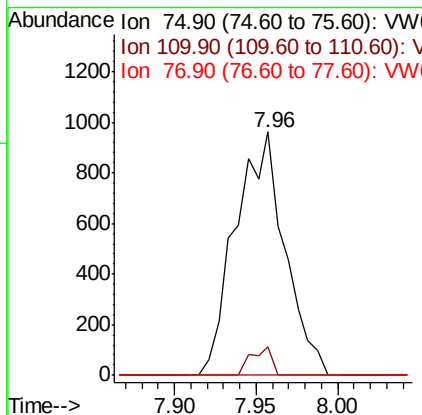
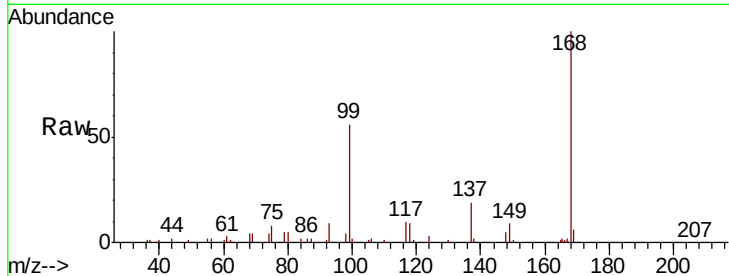




#36
 1,1-Dichloropropene
 Concen: 5.659 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

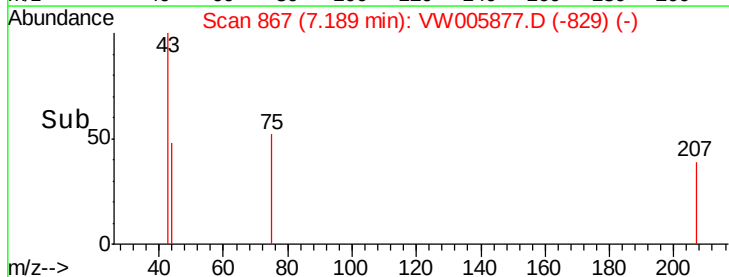
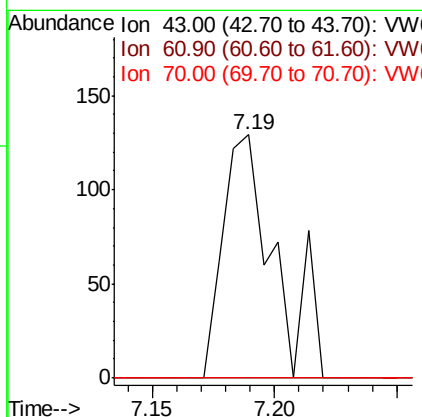
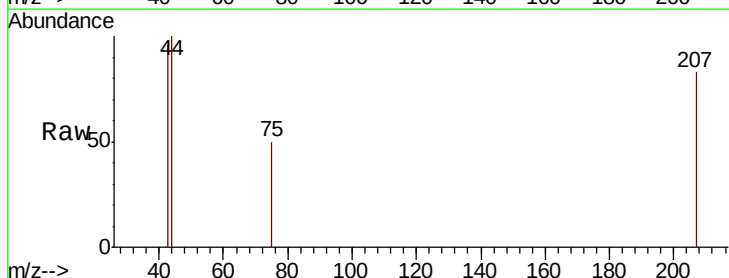
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-100318

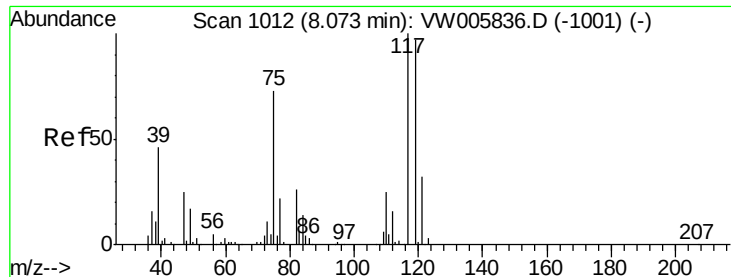
Tgt Ion: 75 Resp: 2026
 Ion Ratio Lower Upper
 75 100
 110 4.9 17.5 52.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.282 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

Tgt Ion: 43 Resp: 191
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

OK-01-100318

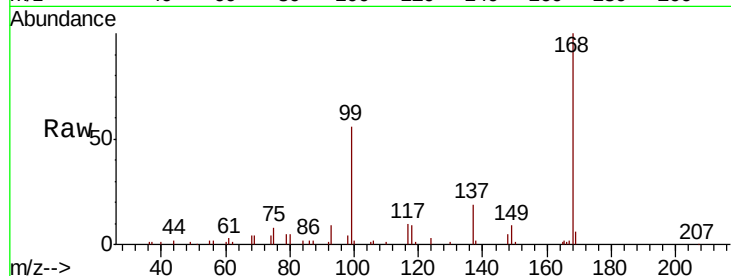
Tgt Ion:117 Resp: 2812

Ion Ratio Lower Upper

117 100

119 7.7 77.9 116.9#

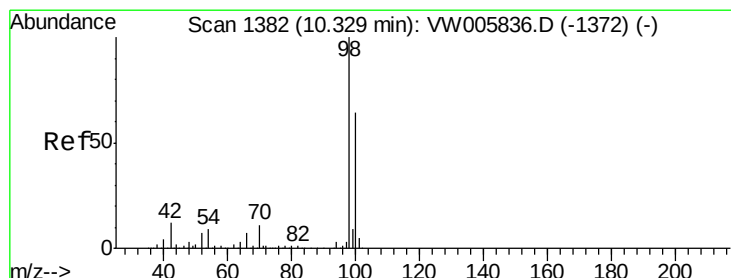
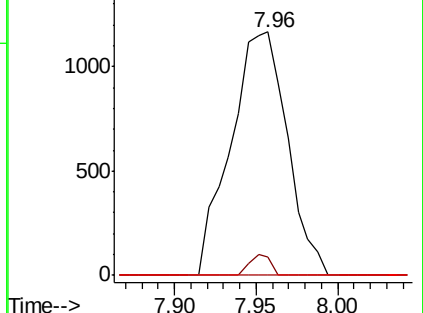
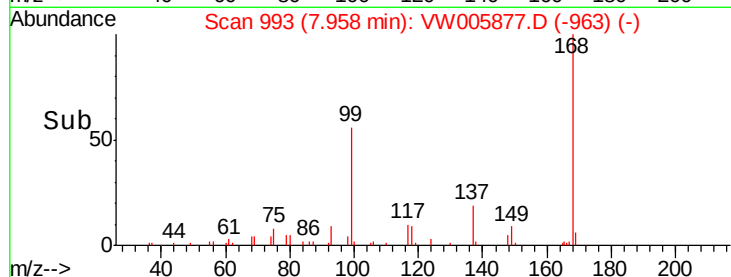
121 0.0 25.2 37.8#



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: 32.571 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005877.D

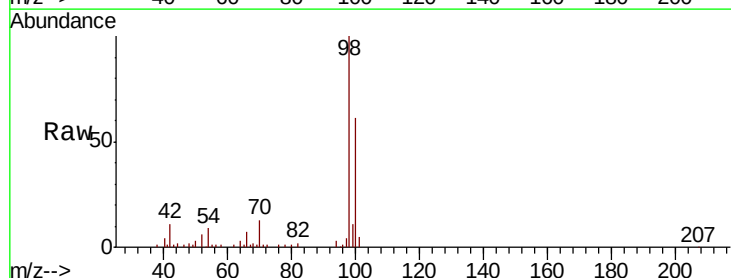
Acq: 05 Oct 2018 03:57

Tgt Ion: 98 Resp: 30532

Ion Ratio Lower Upper

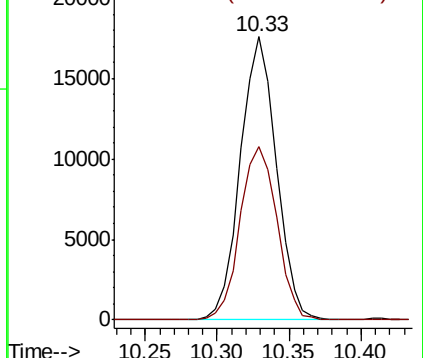
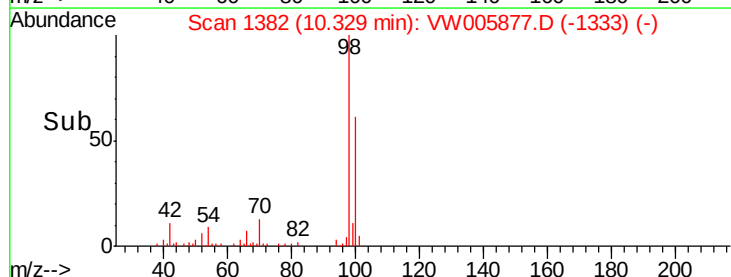
98 100

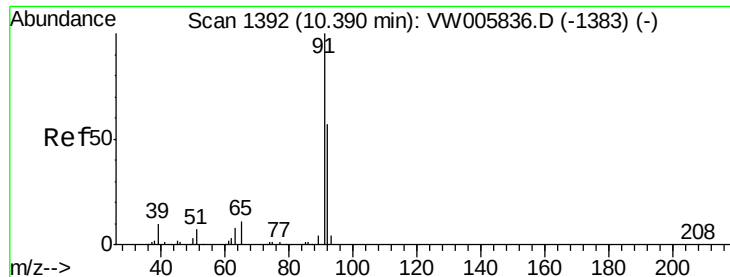
100 62.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 3.690 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

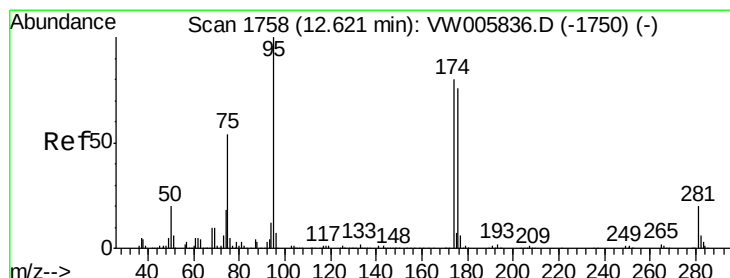
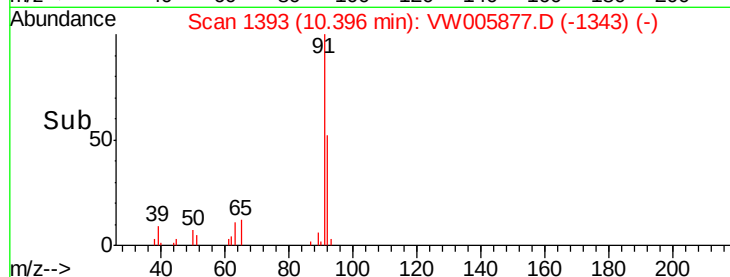
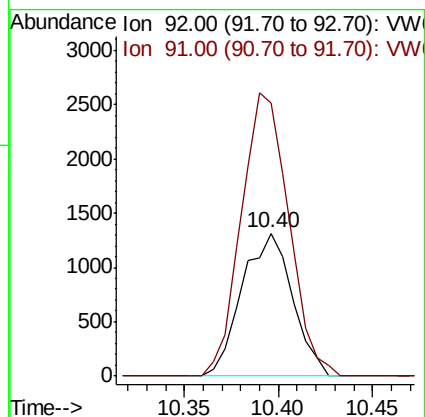
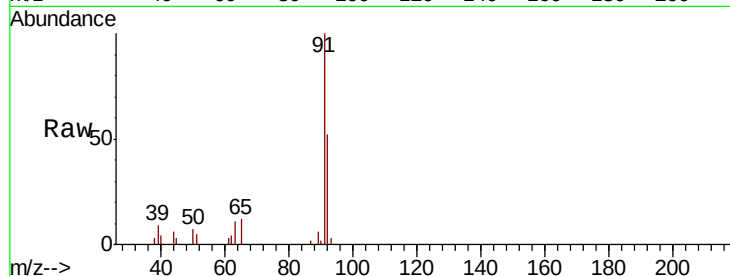
OK-01-100318

Tgt Ion: 92 Resp: 2440

Ion Ratio Lower Upper

92 100

91 187.0 139.0 208.4



#62

4-Bromofluorobenzene

Concen: 25.512 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

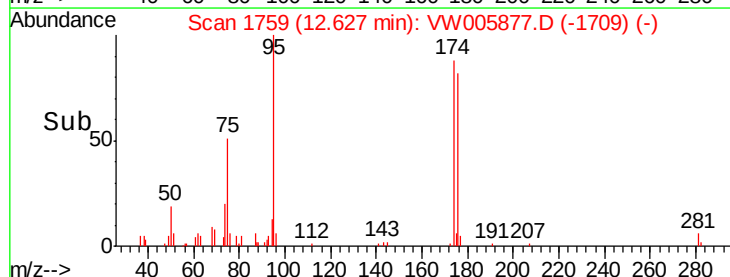
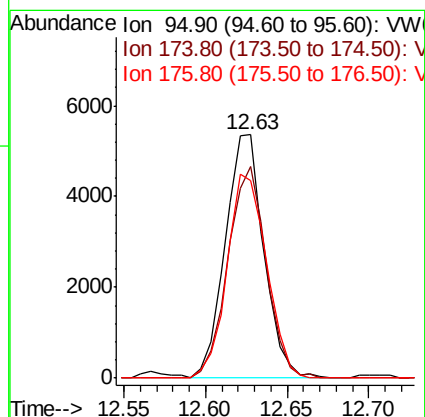
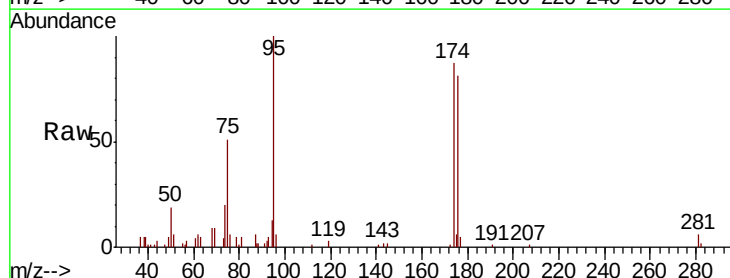
Tgt Ion: 95 Resp: 8838

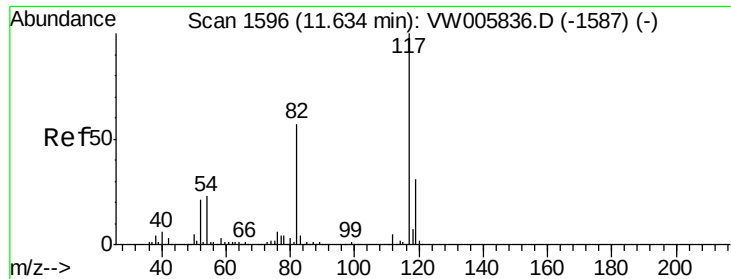
Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.0

176 86.0 0.0 164.2

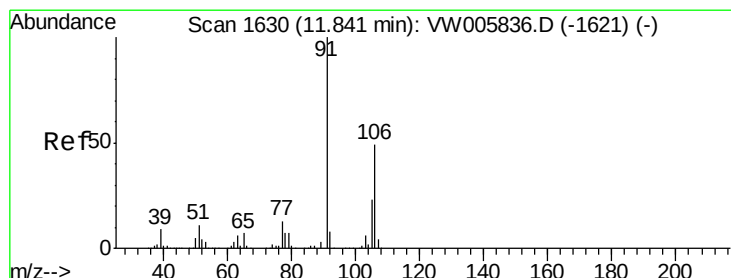
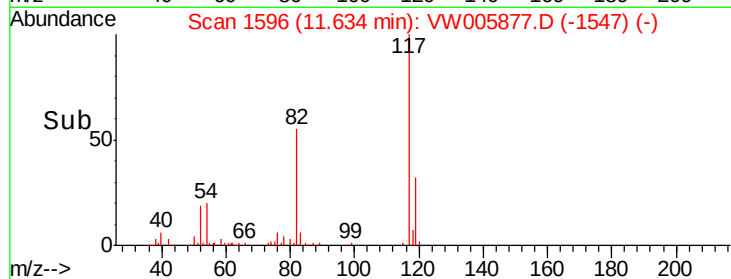
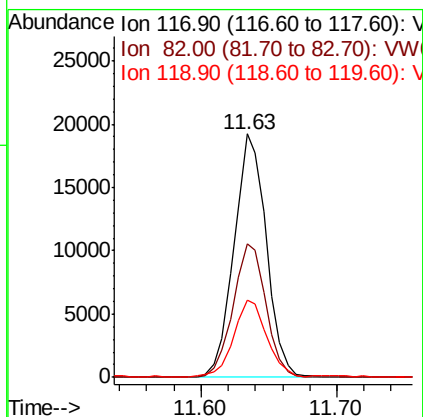
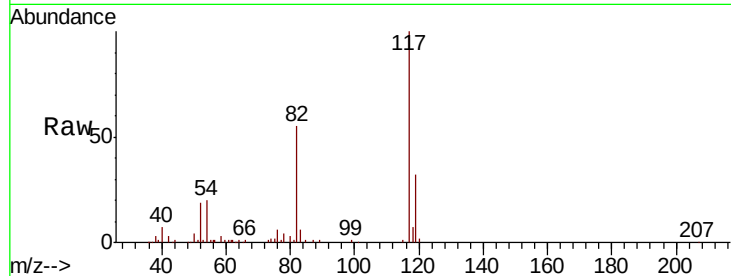




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

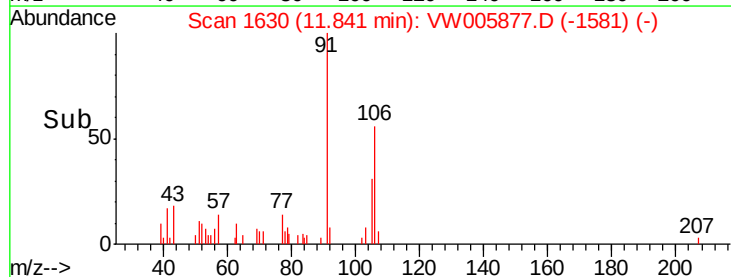
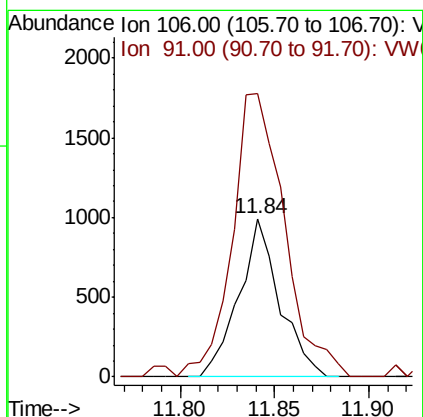
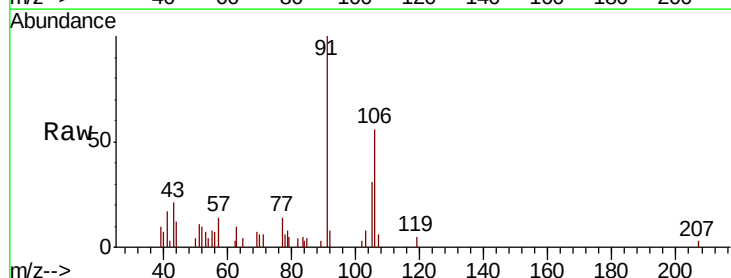
Instrument :
MSVOA_W
ClientSampleId :
OK-01-100318

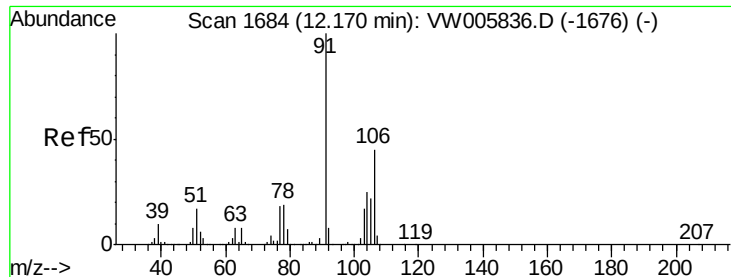
Tgt Ion:117 Resp: 31716
Ion Ratio Lower Upper
117 100
82 55.0 45.6 68.4
119 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 3.254 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

Tgt Ion:106 Resp: 1489
Ion Ratio Lower Upper
106 100
91 229.1 165.4 248.0

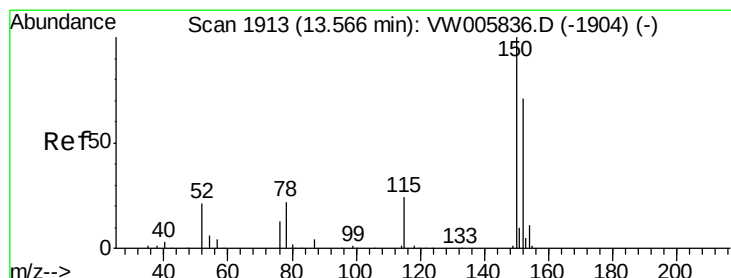
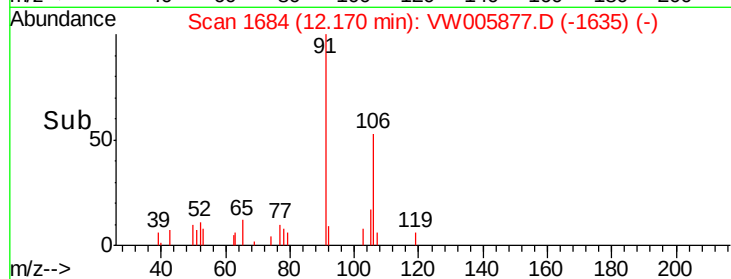
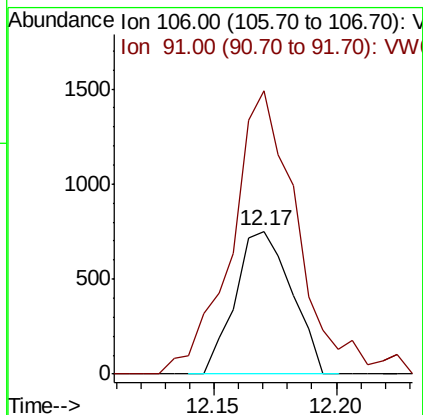
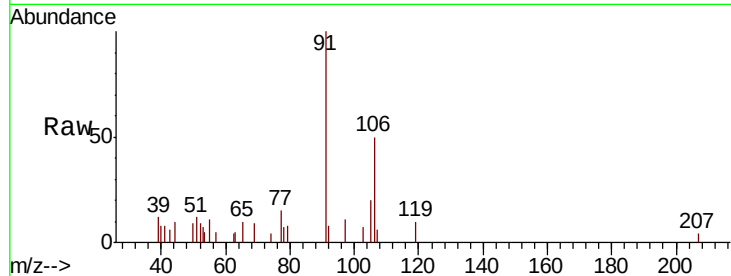




#69
o-Xylene
Concen: 2.814 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

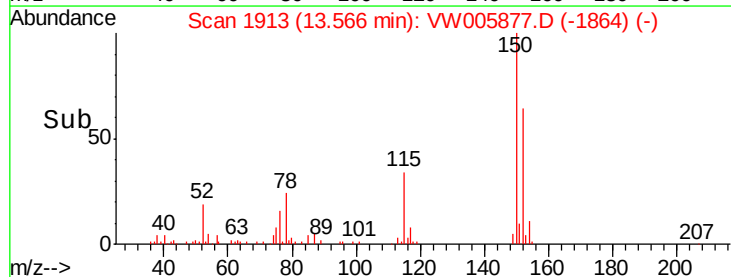
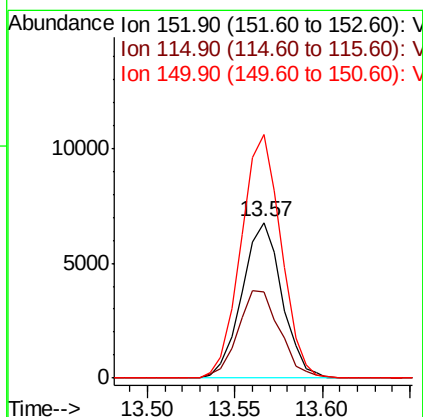
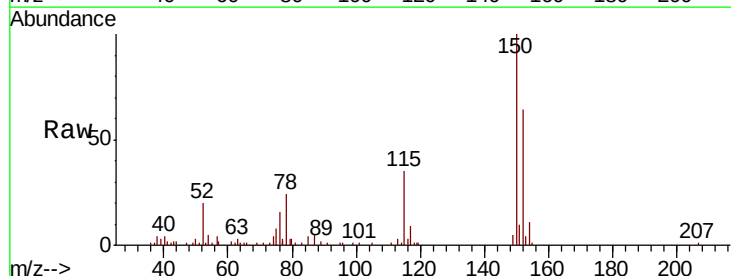
Instrument :
MSVOA_W
ClientSampleId :
OK-01-100318

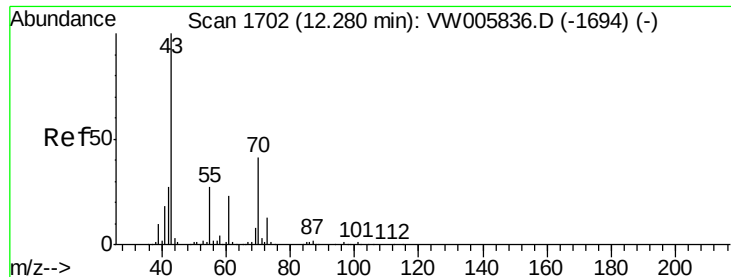
Tgt Ion:106 Resp: 1197
Ion Ratio Lower Upper
106 100
91 232.0 109.7 329.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005877.D
Acq: 05 Oct 2018 03:57

Tgt Ion:152 Resp: 10762
Ion Ratio Lower Upper
152 100
115 59.2 29.8 89.4
150 156.8 0.0 349.4





#74

N-amyI acetate

Concen: 2.246 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

OK-01-100318

Tgt Ion: 43 Resp: 362

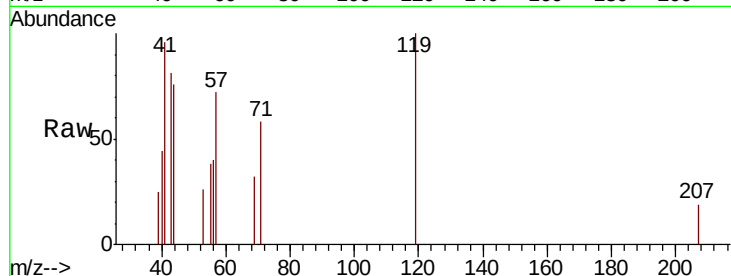
Ion Ratio Lower Upper

43 100

70 27.6 33.6 50.4#

55 43.4 21.8 32.6#

61 0.0 18.6 28.0#

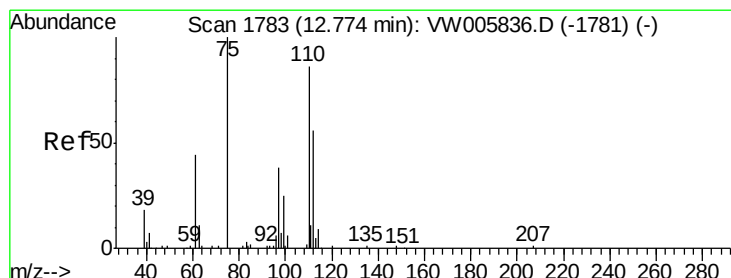
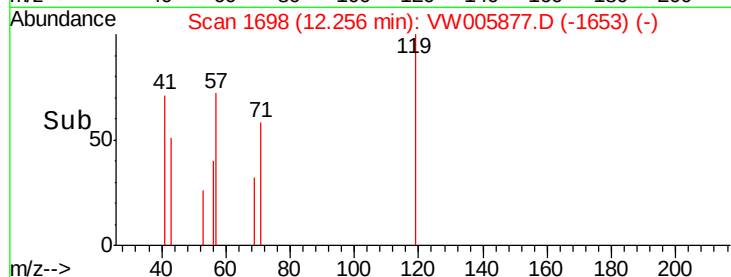
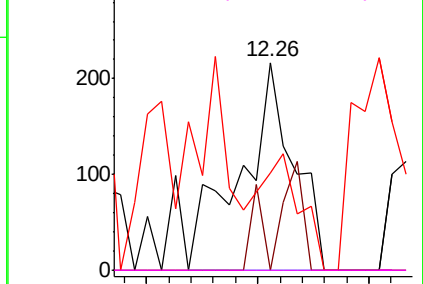


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 44.803 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005877.D

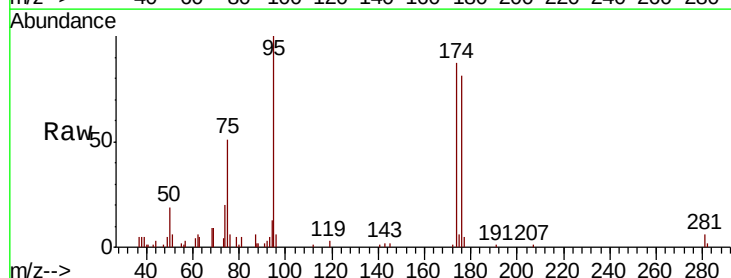
Acq: 05 Oct 2018 03:57

Tgt Ion: 75 Resp: 4382

Ion Ratio Lower Upper

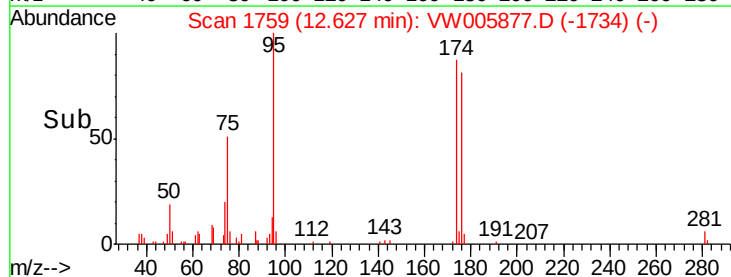
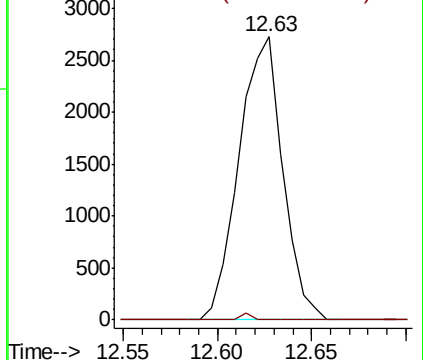
75 100

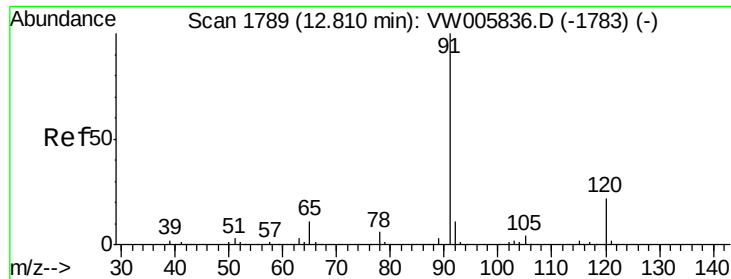
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 1.244 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

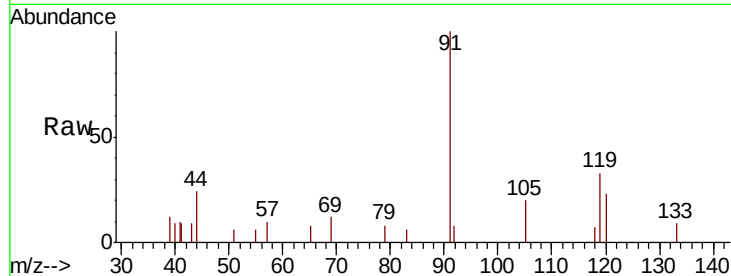
OK-01-100318

Tgt Ion: 91 Resp: 1096

Ion Ratio Lower Upper

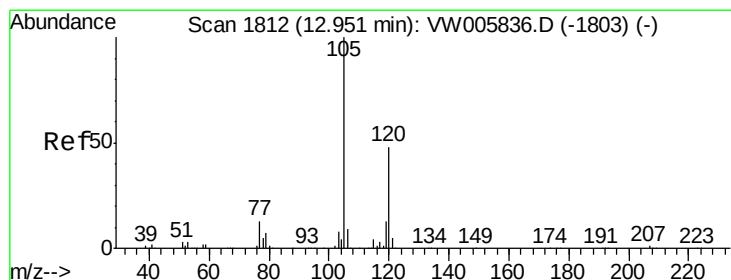
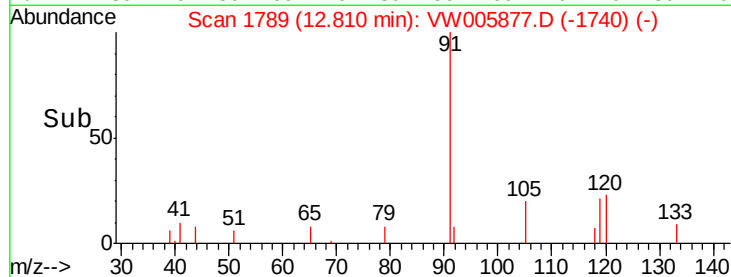
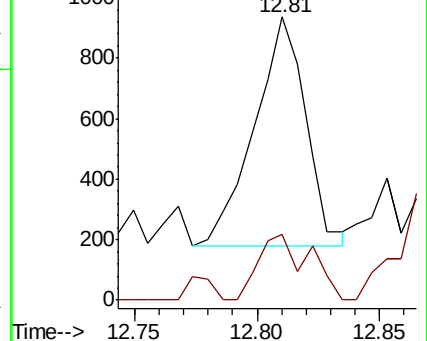
91 100

120 28.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 4.105 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005877.D

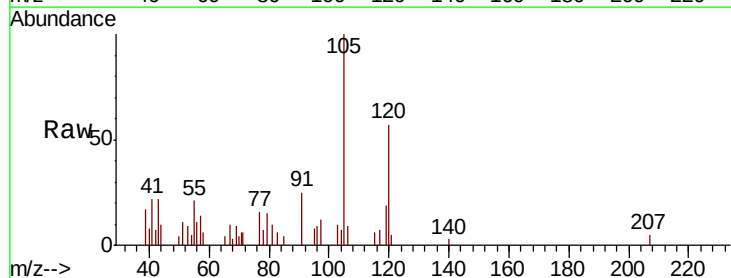
Acq: 05 Oct 2018 03:57

Tgt Ion:105 Resp: 2640

Ion Ratio Lower Upper

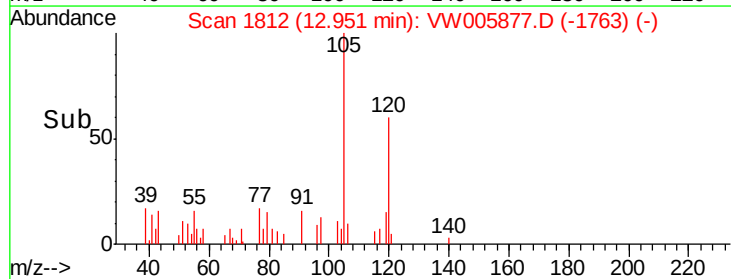
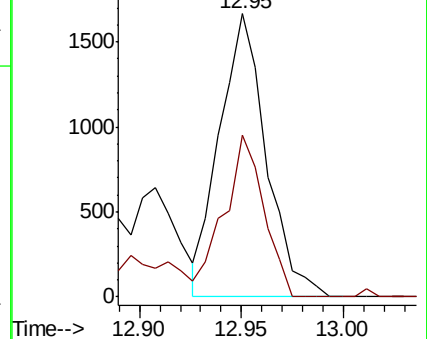
105 100

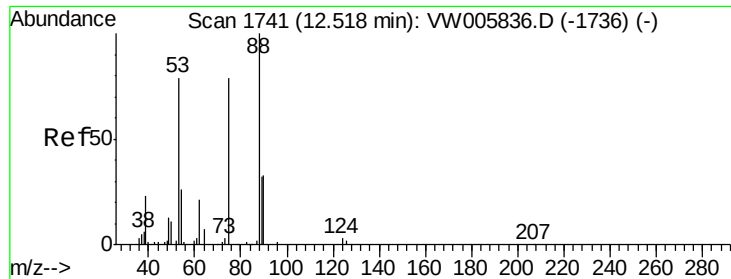
120 48.6 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

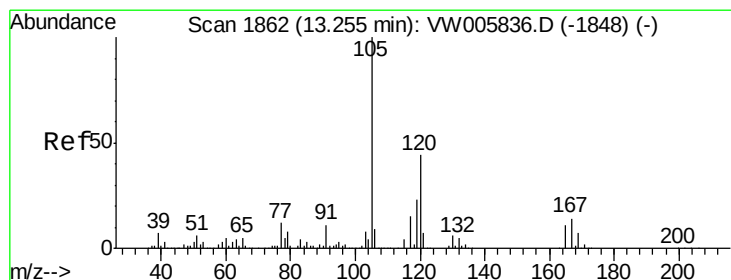
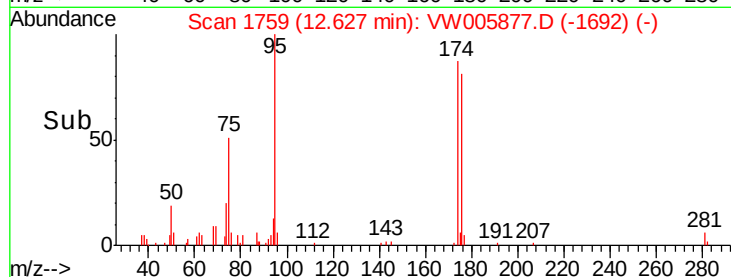
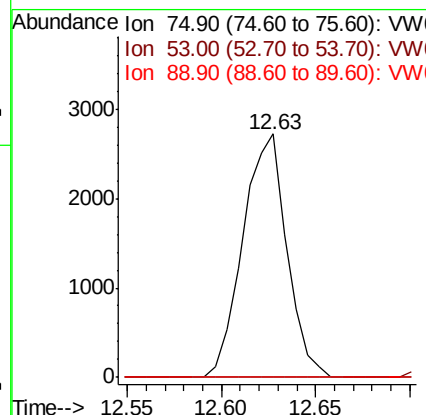
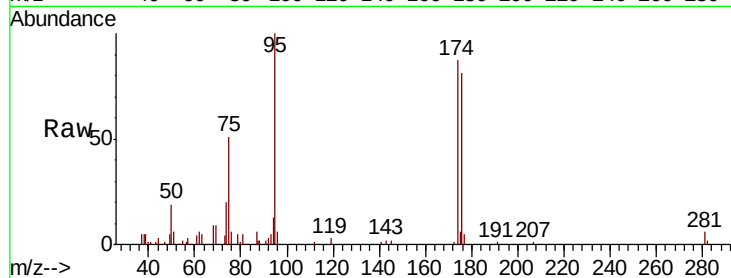




#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.253 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

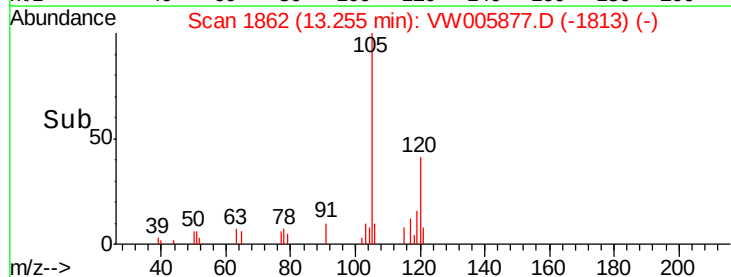
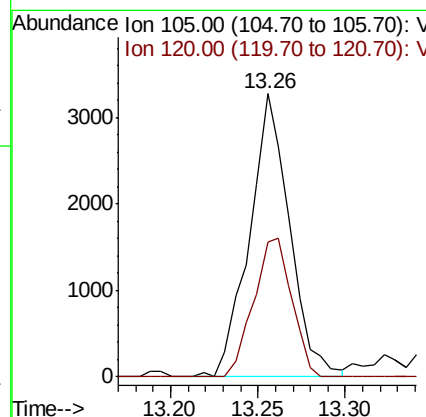
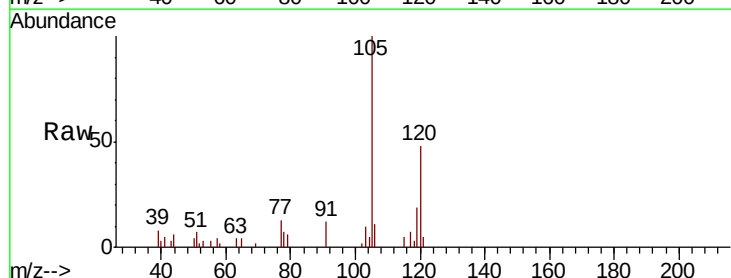
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-100318

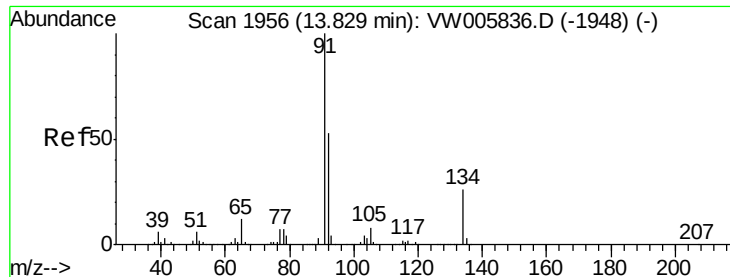
Tgt Ion: 75 Resp: 4382
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 37.5 56.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 7.906 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005877.D
 Acq: 05 Oct 2018 03:57

Tgt Ion: 105 Resp: 5220
 Ion Ratio Lower Upper
 105 100
 120 46.5 21.9 65.7





#89

n-Butylbenzene

Concen: 2.194 ug/l

RT: 13.78 min Scan# 1948

Delta R.T. -0.05 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampled :

OK-01-100318

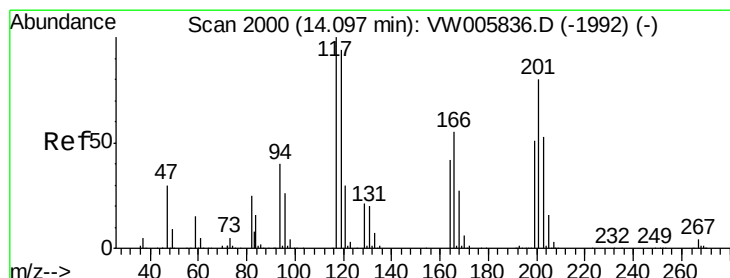
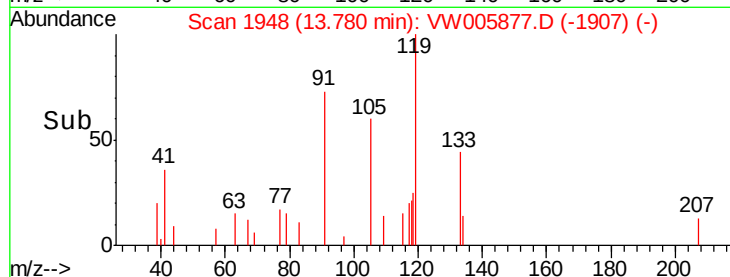
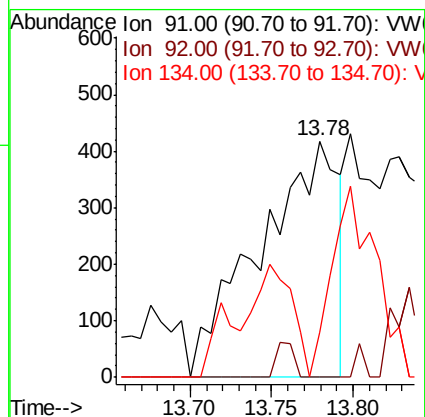
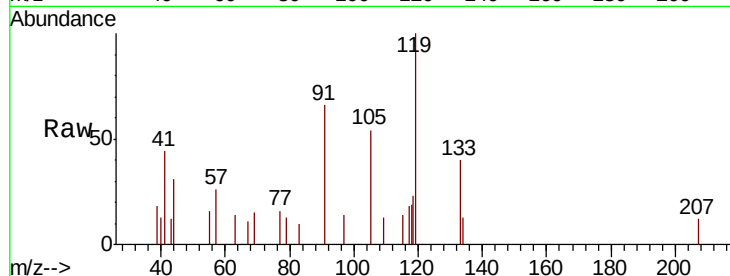
Tgt Ion: 91 Resp: 1404

Ion Ratio Lower Upper

91 100

92 0.0 26.2 78.5#

134 0.0 13.1 39.1#



#90

Hexachloroethane

Concen: 1.301 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005877.D

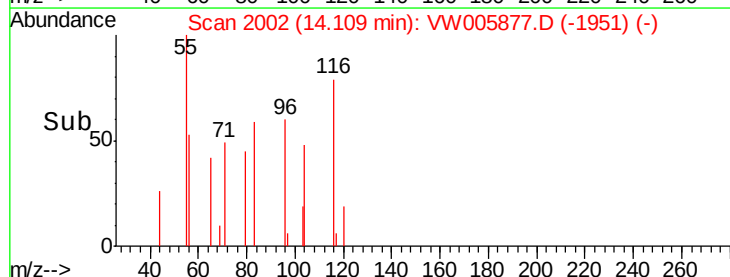
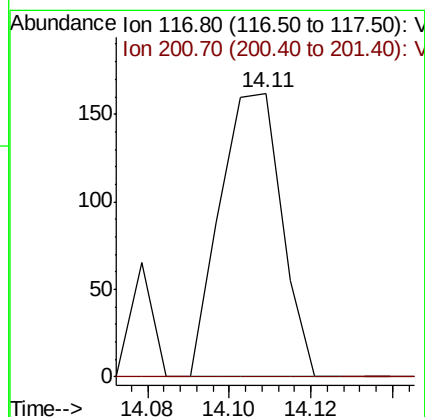
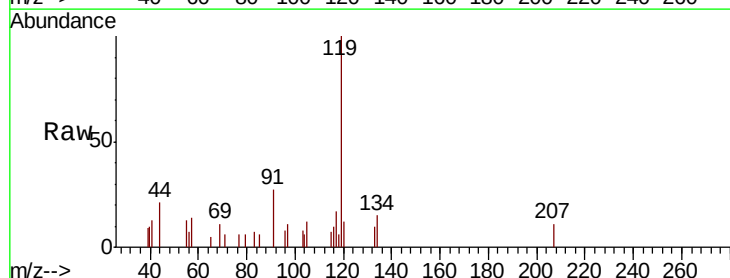
Acq: 05 Oct 2018 03:57

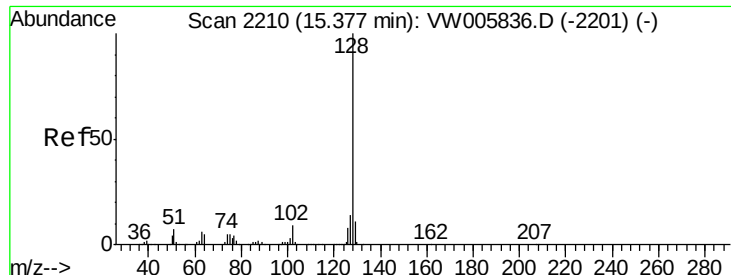
Tgt Ion: 117 Resp: 170

Ion Ratio Lower Upper

117 100

201 0.0 43.7 131.1#





#95

Naphthalene

Concen: 3.889 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW005877.D

Acq: 05 Oct 2018 03:57

Instrument :

MSVOA_W

ClientSampleId :

OK-01-100318

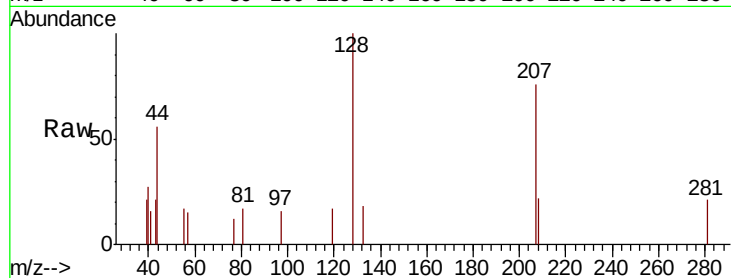
Tgt Ion:128 Resp: 818

Ion Ratio Lower Upper

128 100

127 12.2 10.9 16.3

129 0.0 8.9 13.3



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

