

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007804.D
 Acq On : 21 Dec 2018 19:23
 Operator : SY/AP
 Sample : J6392-04RE
 Misc : 7.52G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	69786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	36424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	24299	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	
35) Dibromofluoromethane	7.88	113	22801	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.32	98	67298	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	
62) 4-Bromofluorobenzene	12.62	95	13191	21.27	ug/l	0.00
Spiked Amount			Recovery	=	42.54%	

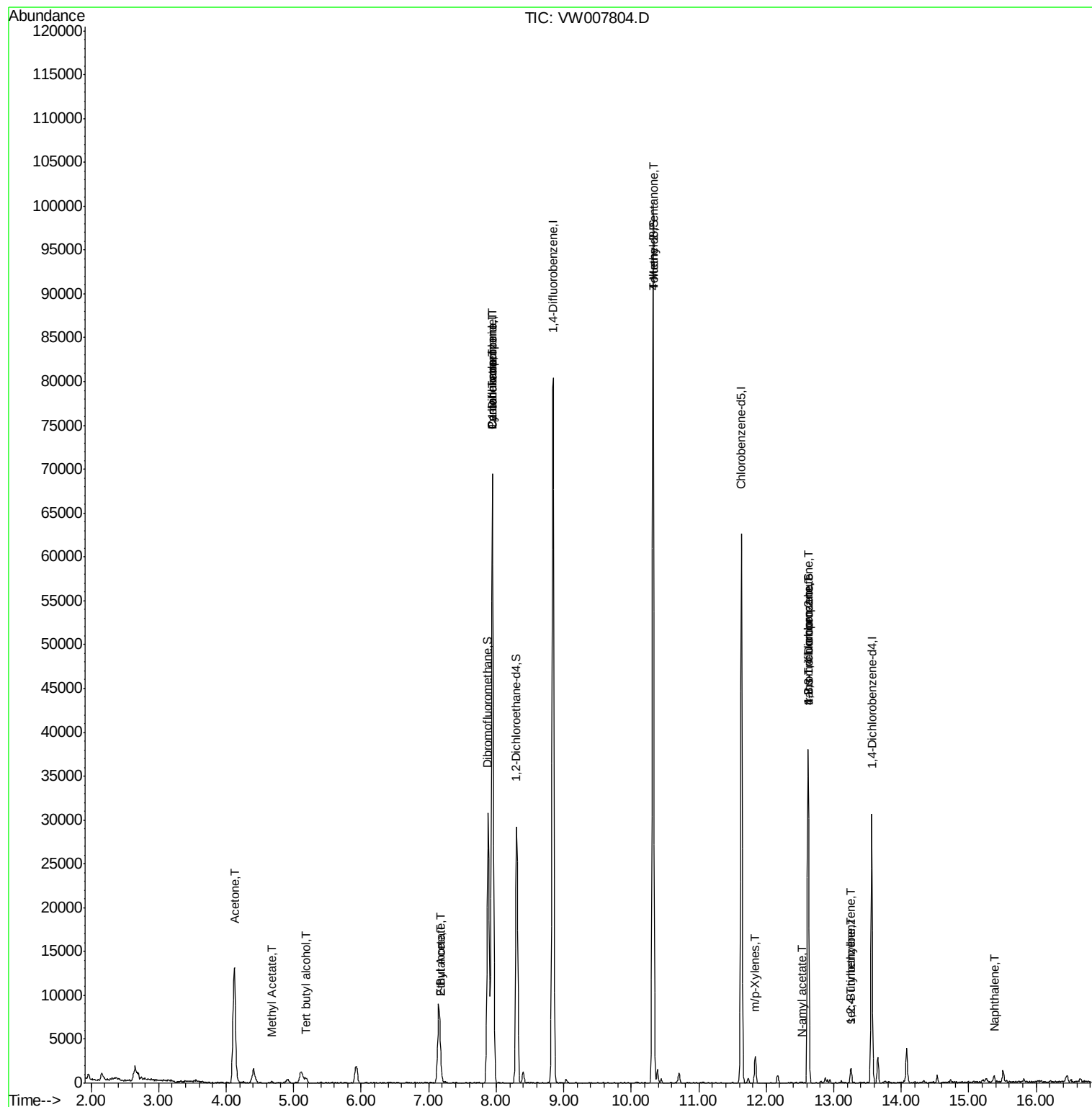
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	1094	28.502	ug/l #	73
16) Acetone	4.12	43	22950	215.394	ug/l	96
18) Methyl Acetate	4.68	43	390	1.539	ug/l #	46
20) Methylene Chloride	4.90	84	194	Below Cal	#	83
25) 2-Butanone	7.18	43	1197	9.591	ug/l #	76
31) Cyclohexane	7.94	56	974	1.150	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	3830	5.686	ug/l #	50
37) Ethyl Acetate	7.18	43	1197	5.149	ug/l #	68
38) Carbon Tetrachloride	7.95	117	5405	6.814	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	317	1.440	ug/l #	1
68) m/p-Xylenes	11.84	106	1004	1.913	ug/l	97
74) N-amyl acetate	12.53	43	113	1.044	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	6484	101.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6484	212.956	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1343	2.469	ug/l	93
85) sec-Butylbenzene	13.26	105	1343	2.060	ug/l #	56
95) Naphthalene	15.37	128	1073	3.283	ug/l #	90

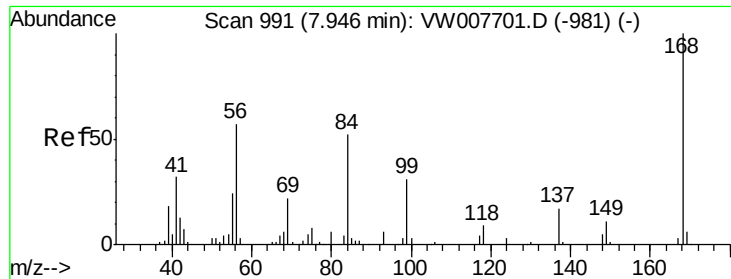
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007804.D
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Quant Time: Dec 21 23:49:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

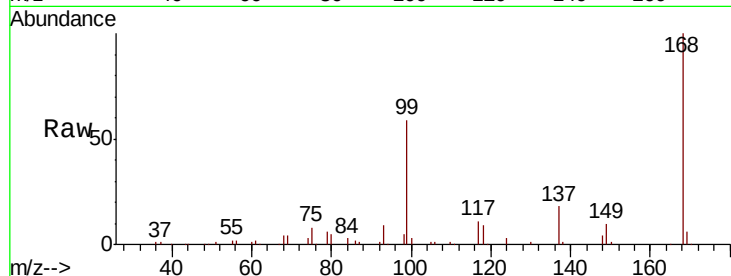
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 51913

Ion Ratio Lower Upper

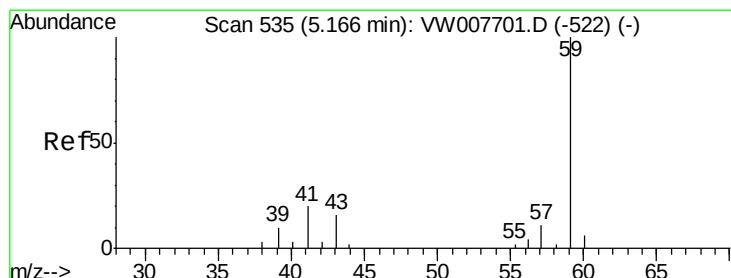
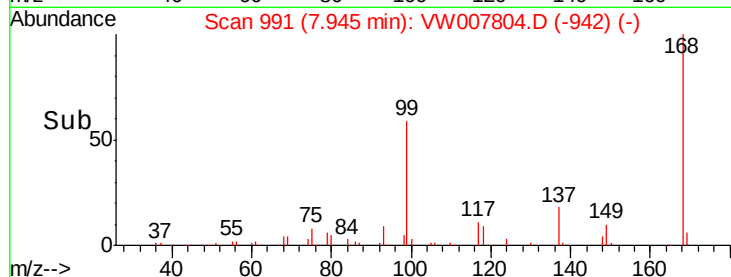
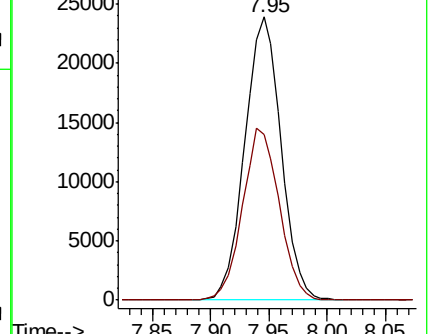
168 100

99 58.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 28.502 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW007804.D

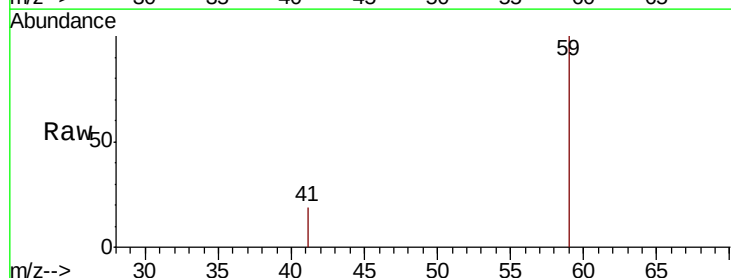
Acq: 21 Dec 2018 19:23

Tgt Ion: 59 Resp: 1094

Ion Ratio Lower Upper

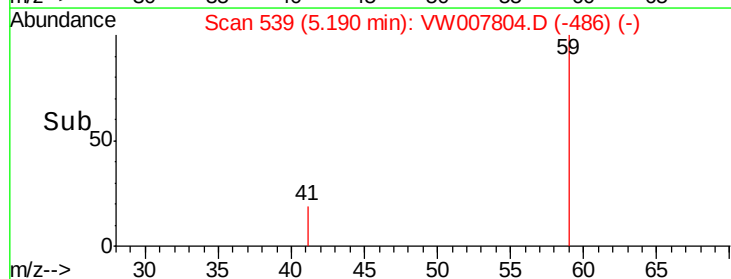
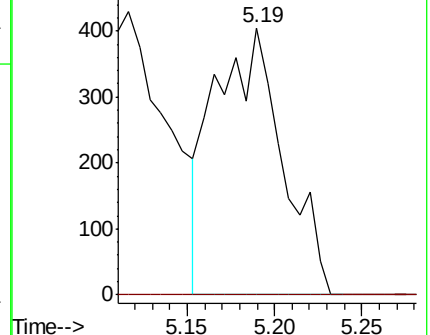
59 100

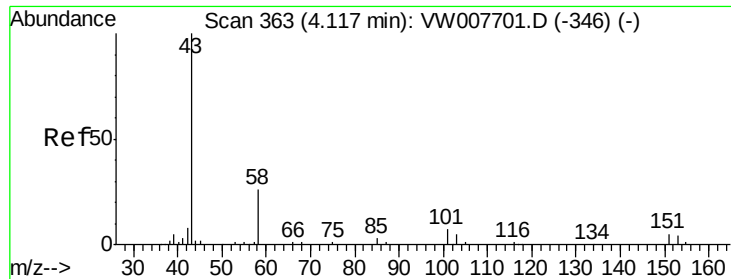
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

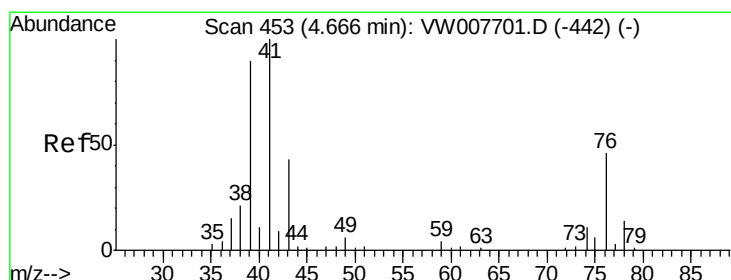
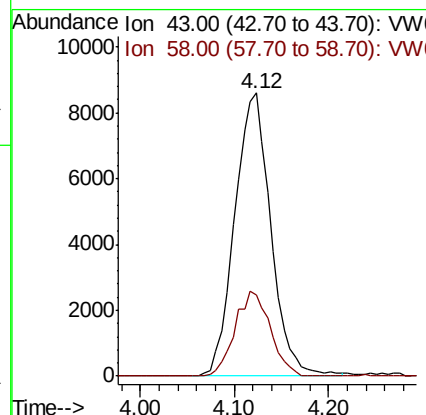
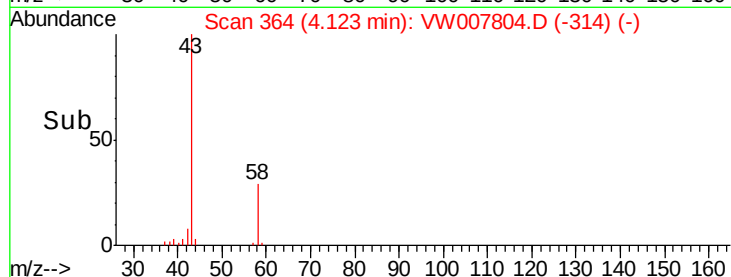
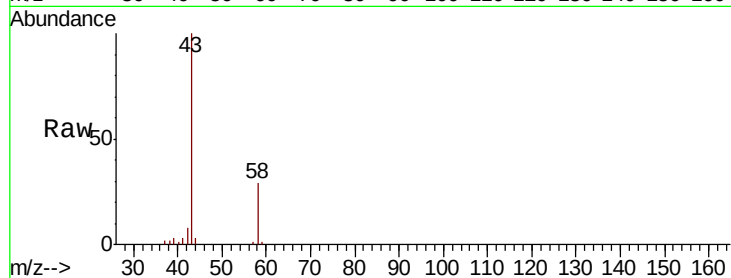




#16
Acetone
Concen: 215.394 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

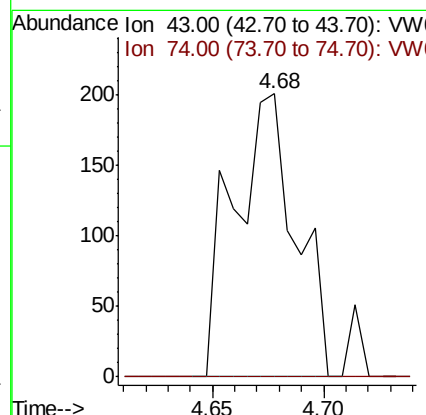
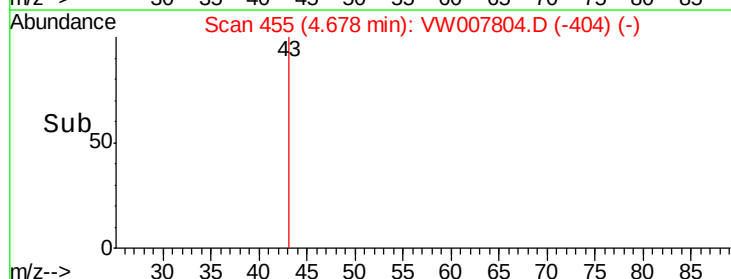
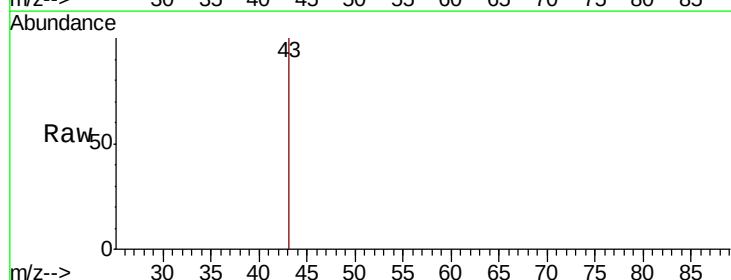
Instrument :
MSVOA_W
ClientSampleId :

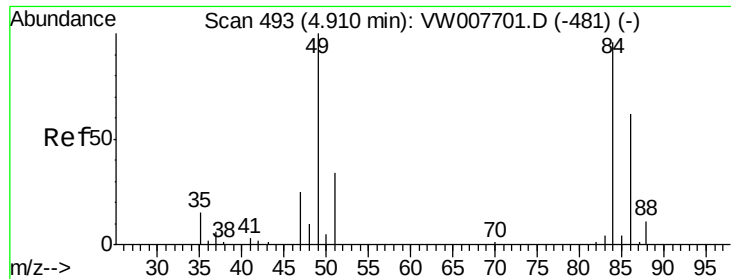
Tot Ion: 43 Resp: 22950
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8



#18
Methyl Acetate
Concen: 1.539 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#

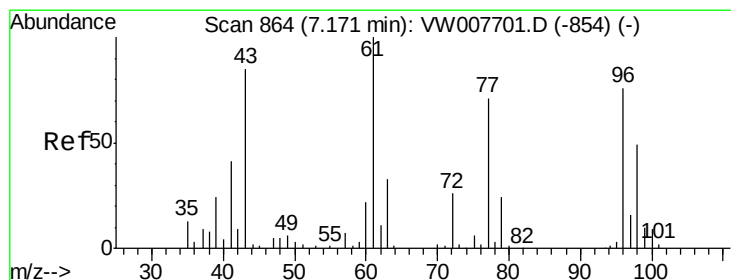
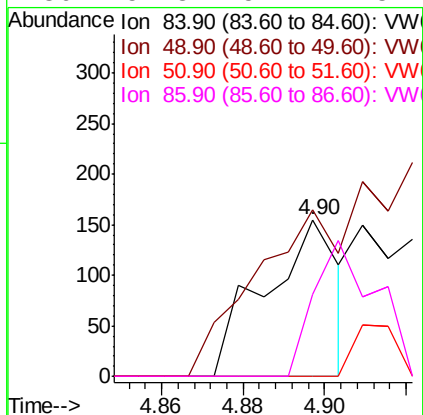
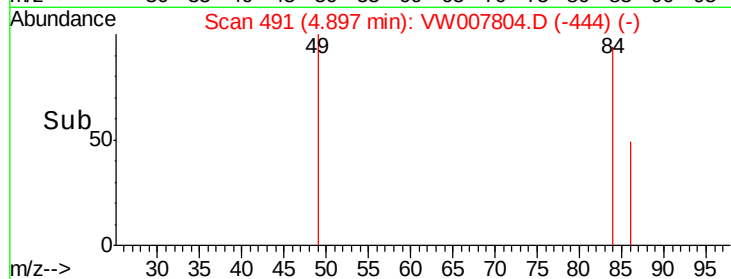
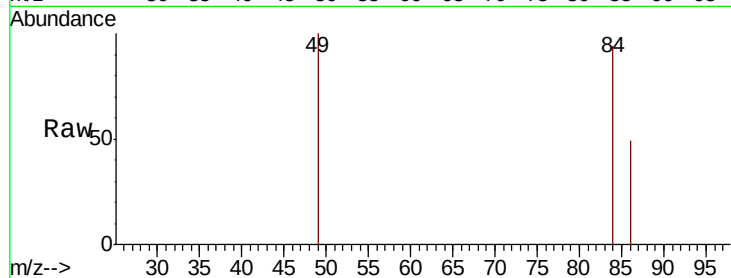




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

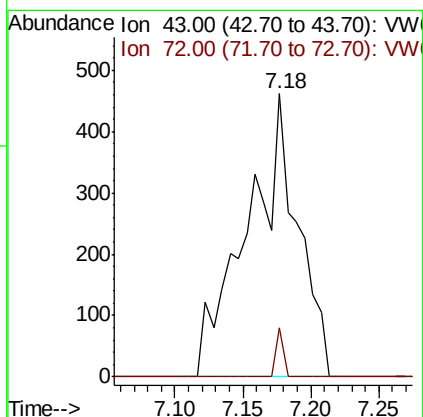
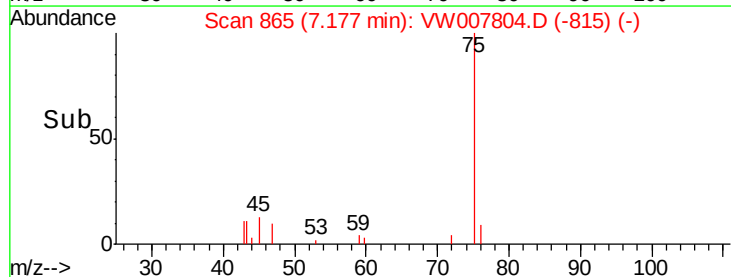
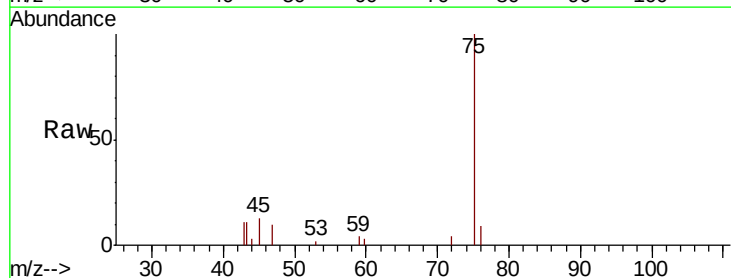
Instrument :
MSVOA_W
ClientSampled :

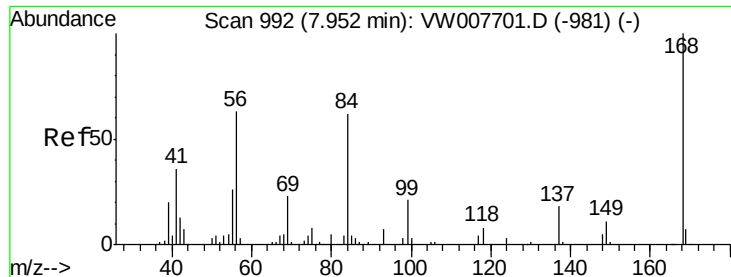
Tot Ion: 84 Resp: 194
Ion Ratio Lower Upper
84 100
49 106.5 83.7 125.5
51 0.0 28.2 42.2#
86 52.3 52.2 78.2



#25
2-Butanone
Concen: 9.591 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
72 17.3 24.5 36.7#

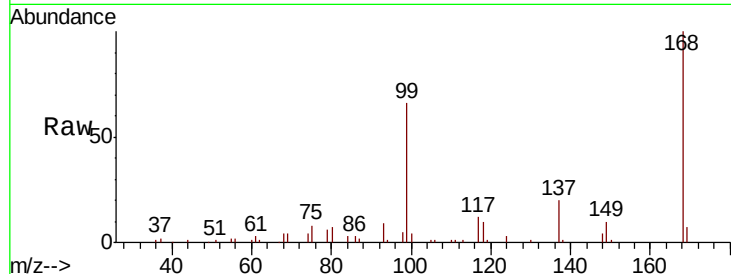




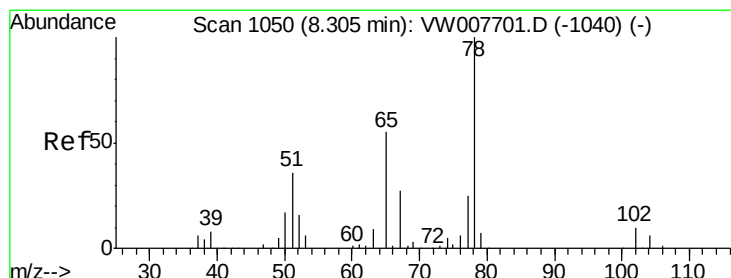
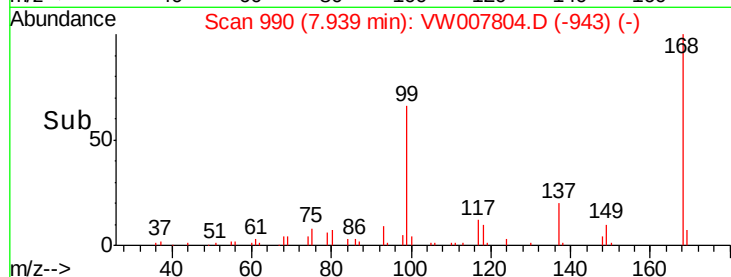
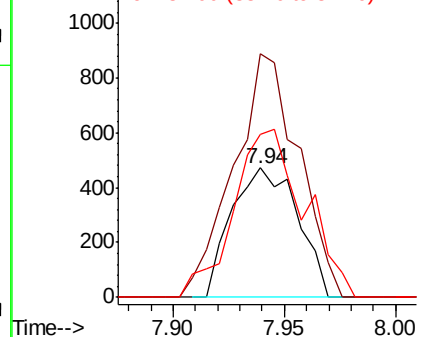
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 974
Ion Ratio Lower Upper
56 100
69 188.5 29.7 44.5#
84 108.3 78.9 118.3

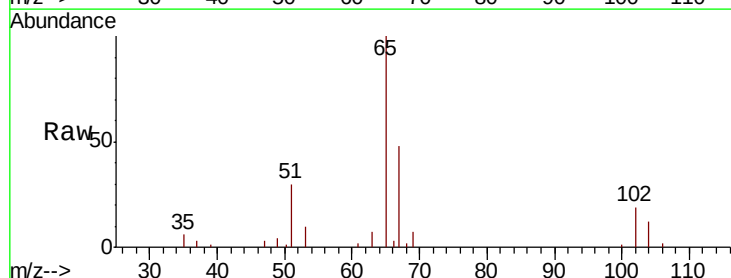


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

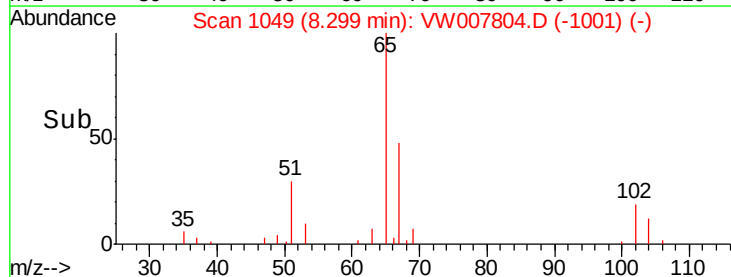
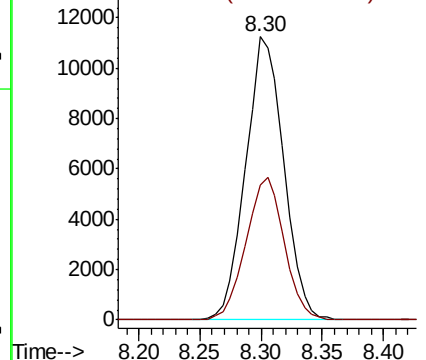


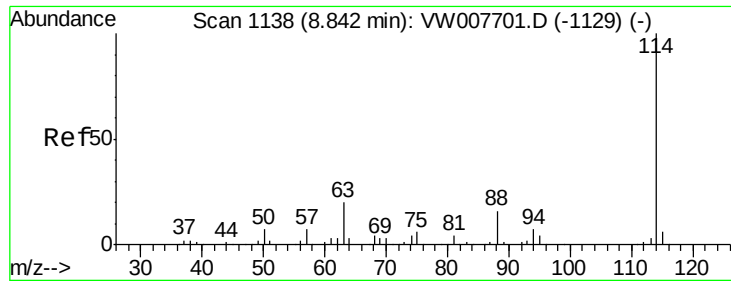
#33
1,2-Dichloroethane-d4
Concen: 42.706 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Tgt Ion: 65 Resp: 24299
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.6



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

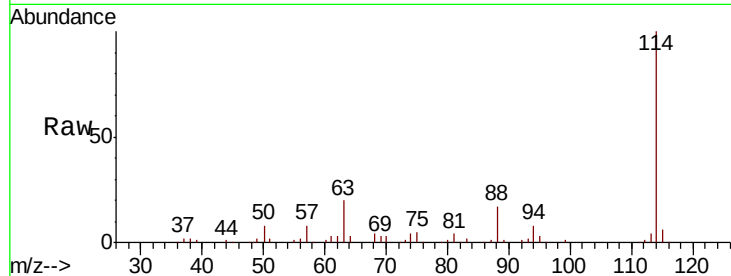




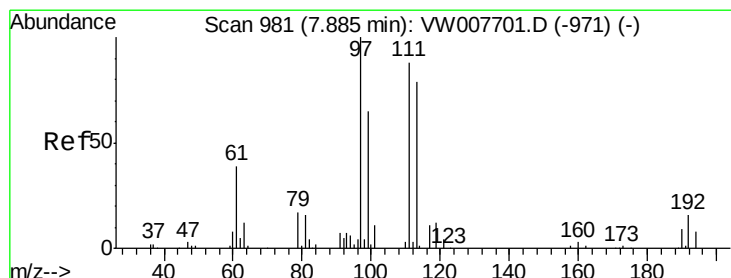
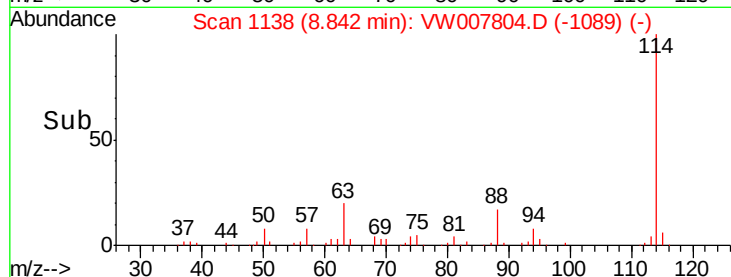
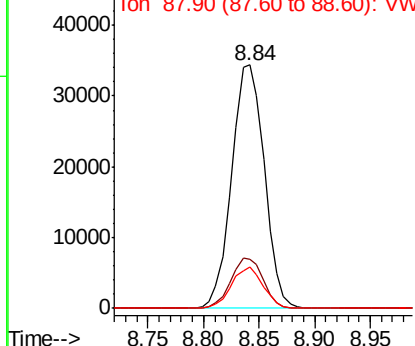
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 69786
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.9 0.0 32.6

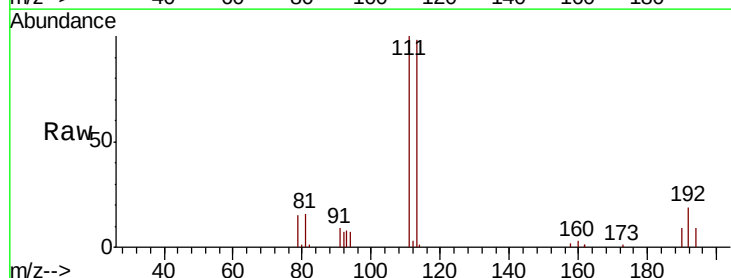


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

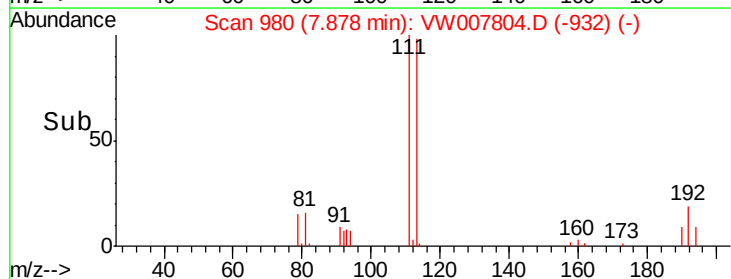
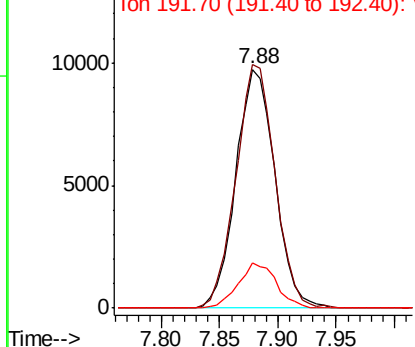


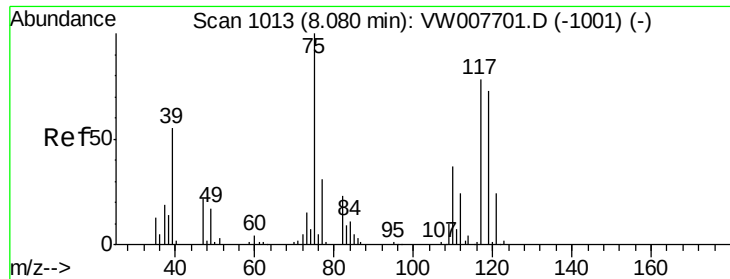
#35
 Dibromofluoromethane
 Concen: 53.557 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Tgt Ion:113 Resp: 22801
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 124.0
 192 18.4 15.5 23.3



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

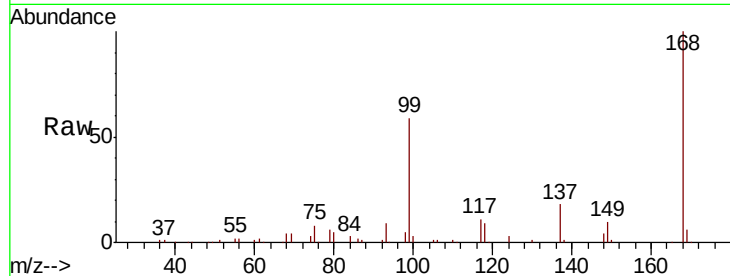




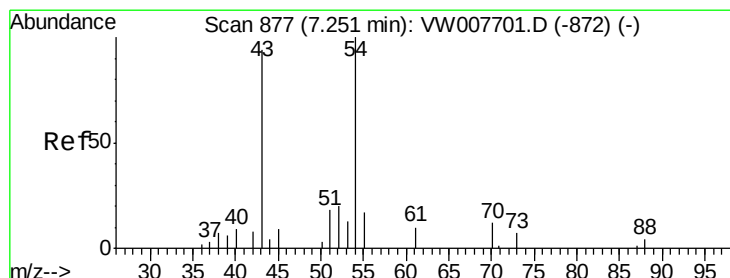
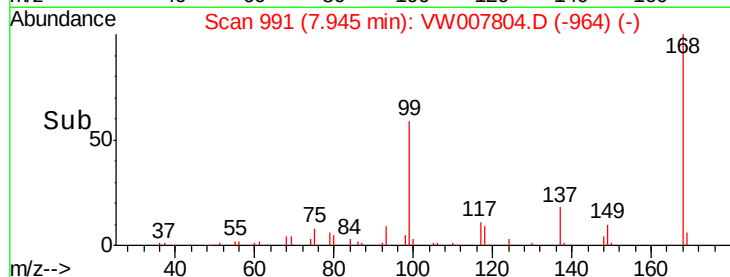
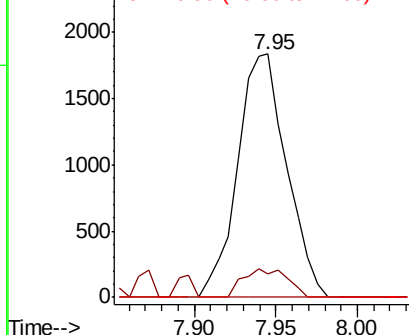
#36
 1,1-Dichloropropene
 Concen: 5.686 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 3830
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.6 55.8#
 77 0.0 25.0 37.4#

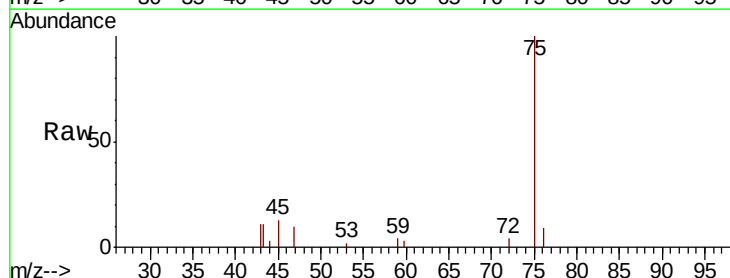


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

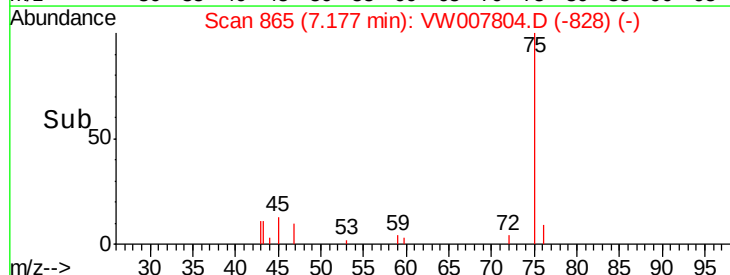
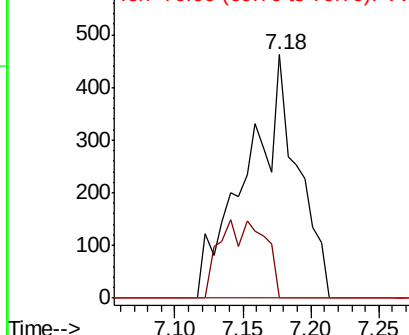


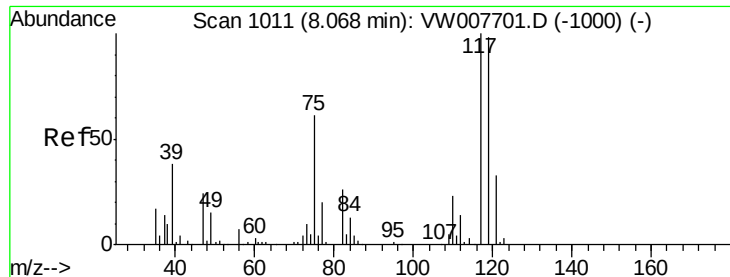
#37
 Ethyl Acetate
 Concen: 5.149 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Tgt Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

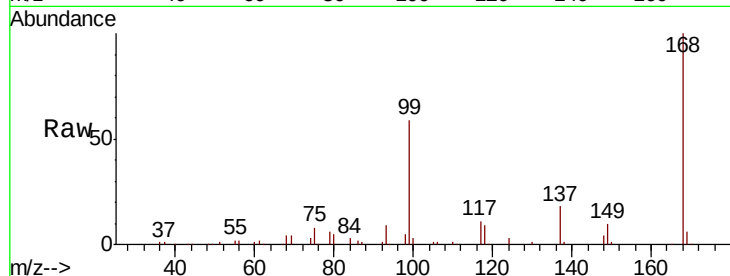




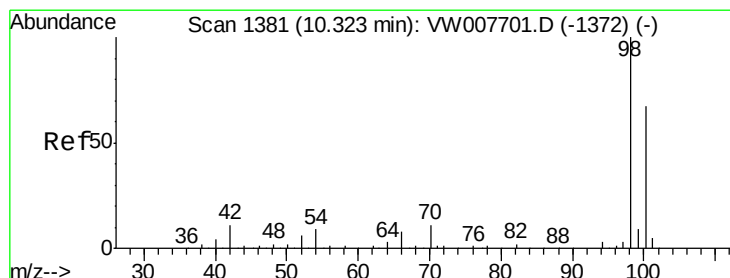
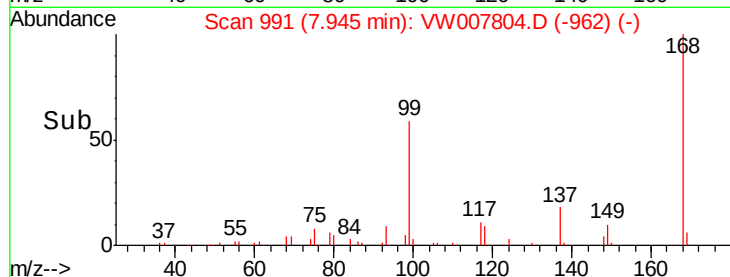
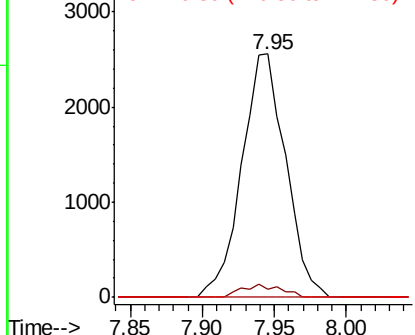
#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 5405
Ion Ratio Lower Upper
117 100
119 3.2 78.2 117.2#
121 0.0 26.1 39.1#

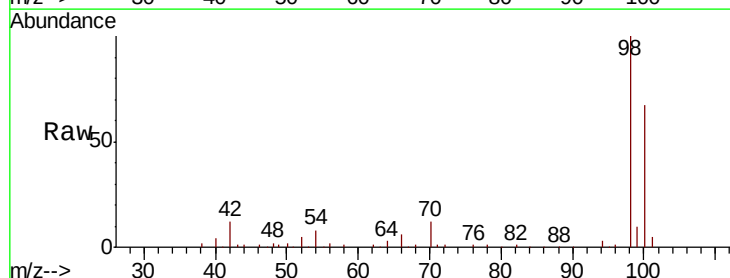


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

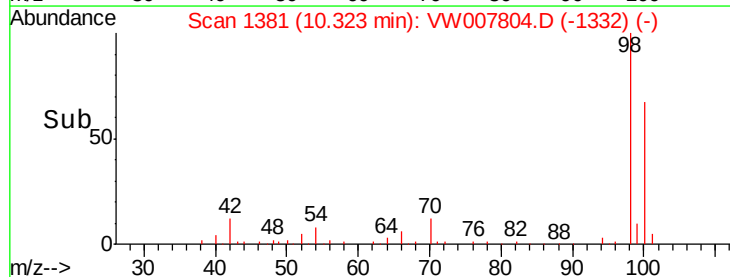
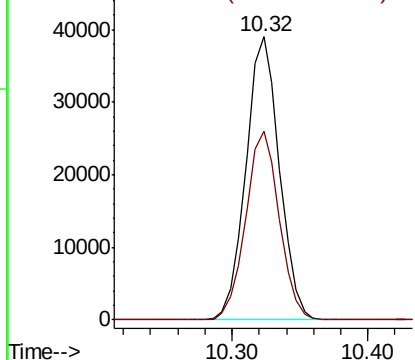


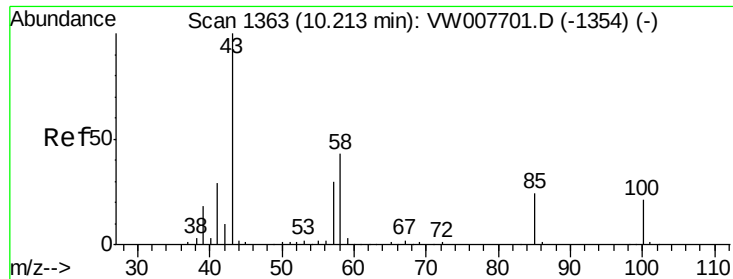
#50
Toluene-d8
Concen: 41.932 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Tgt Ion: 98 Resp: 67298
Ion Ratio Lower Upper
98 100
100 66.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.440 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

Instrument :

MSVOA_W

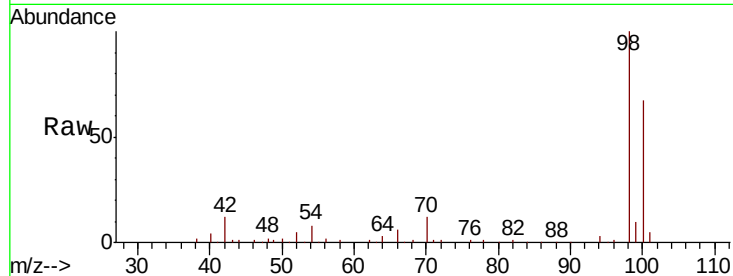
ClientSampleId :

Tot Ion: 43 Resp: 317

Ion Ratio Lower Upper

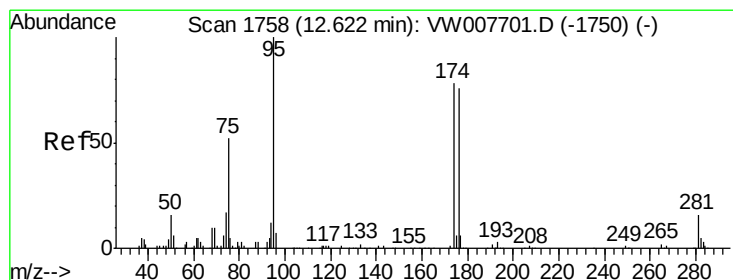
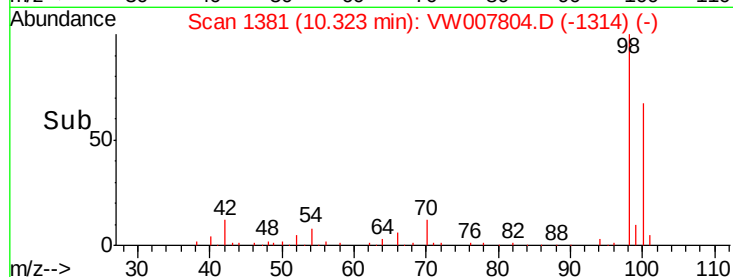
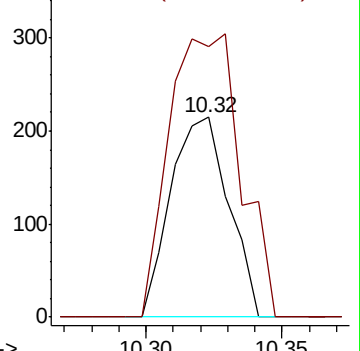
43 100

58 174.1 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 21.275 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

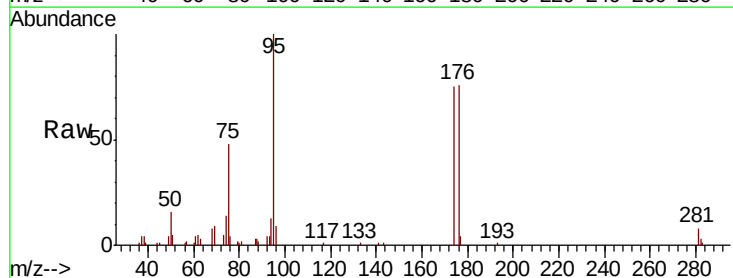
Tgt Ion: 95 Resp: 13191

Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.2

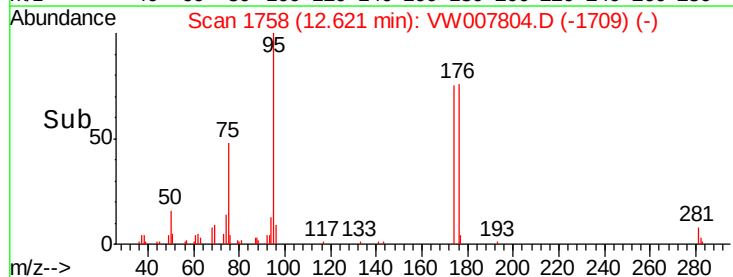
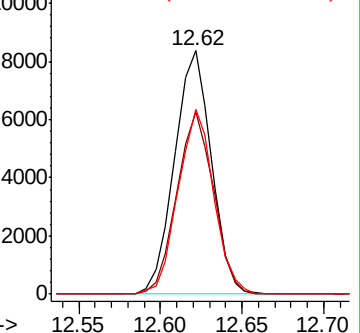
176 73.4 0.0 146.8

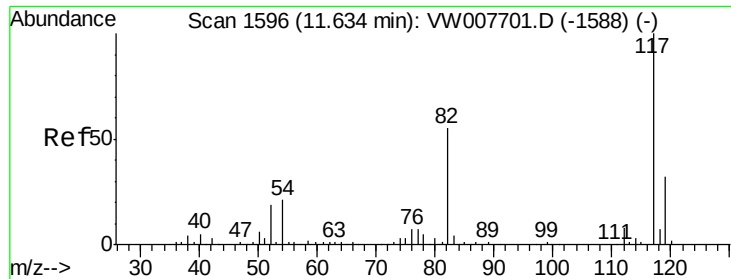


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

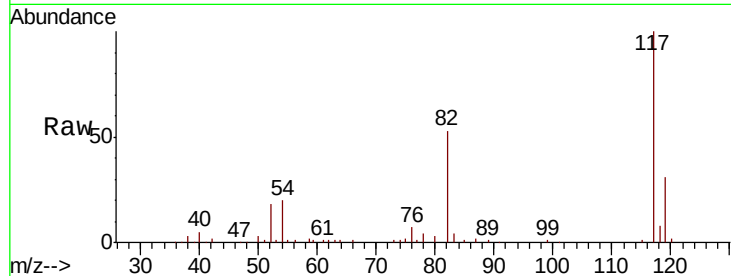




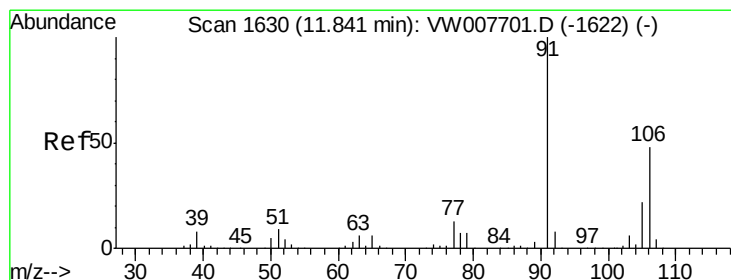
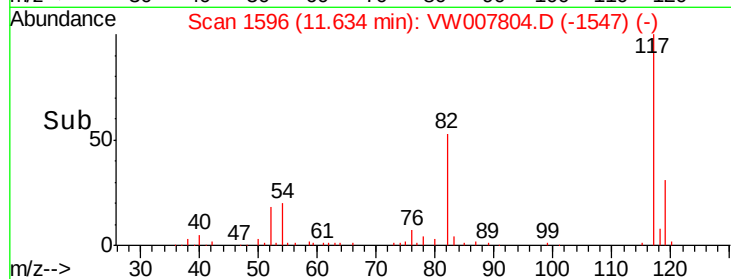
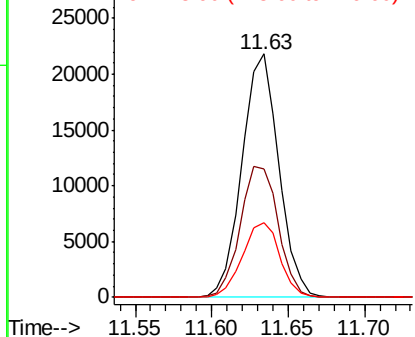
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 36424
Ion Ratio Lower Upper
117 100
82 52.5 44.3 66.5
119 30.8 25.7 38.5

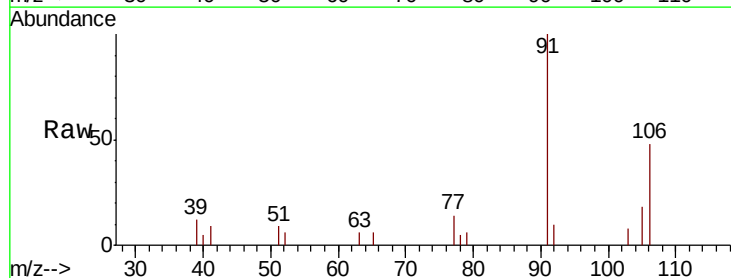


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

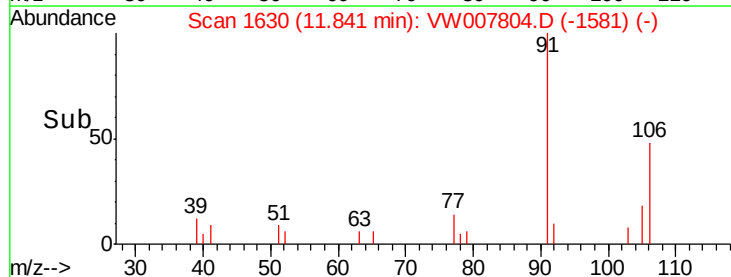
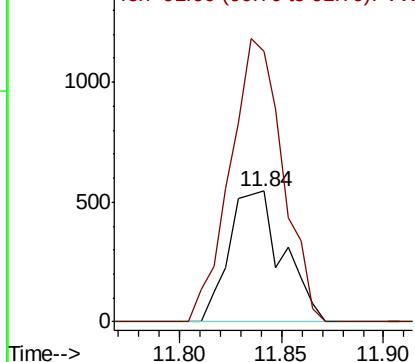


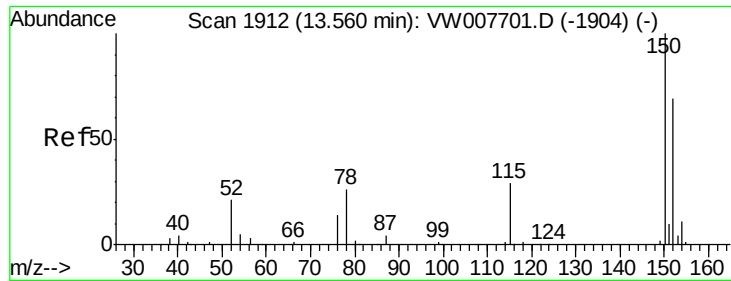
#68
m/p-Xylenes
Concen: 1.913 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007804.D
Acq: 21 Dec 2018 19:23

Tgt Ion:106 Resp: 1004
Ion Ratio Lower Upper
106 100
91 210.8 165.2 247.8



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

Instrument :

MSVOA_W

ClientSampleId :

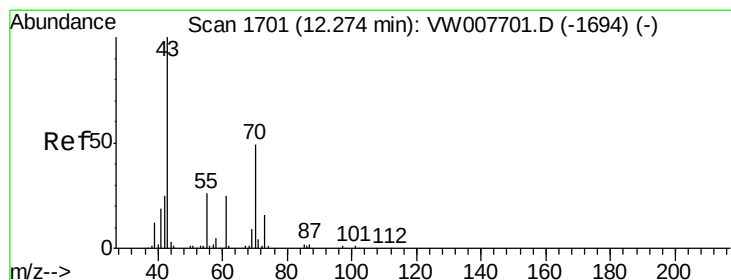
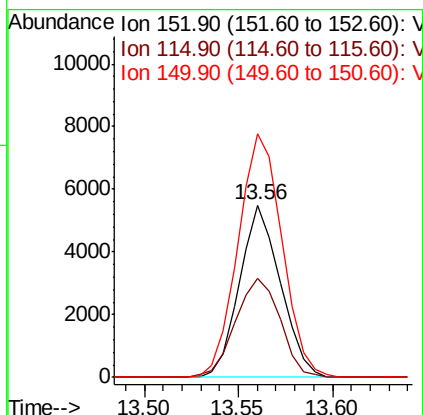
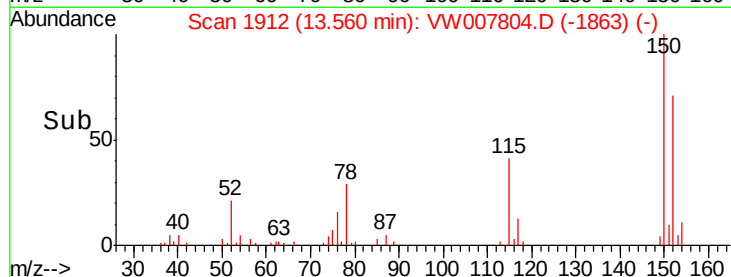
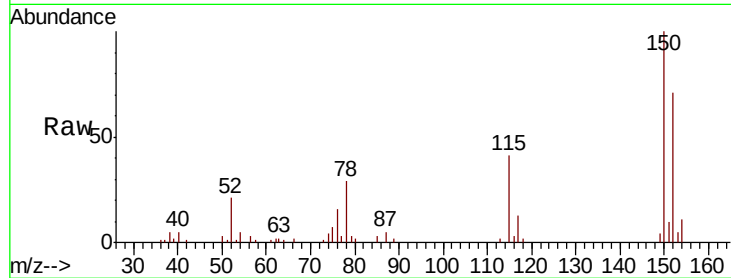
Tot Ion:152 Resp: 8269

Ion Ratio Lower Upper

152 100

115 62.8 31.8 95.4

150 152.3 0.0 350.8



#74

N-ethyl acetate

Concen: 1.044 ug/l

RT: 12.53 min Scan# 1743

Delta R.T. 0.26 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

Tgt Ion: 43 Resp: 113

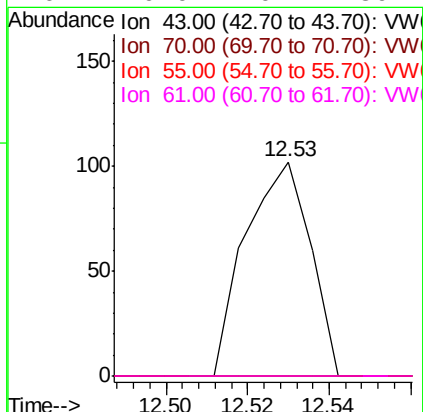
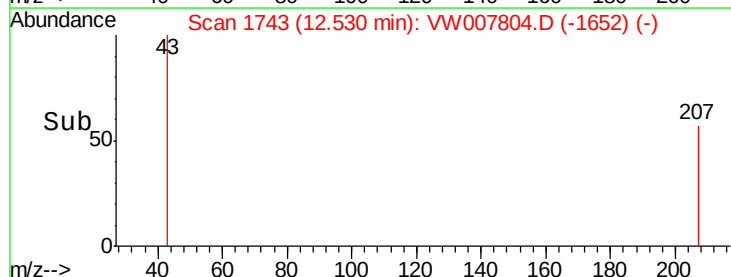
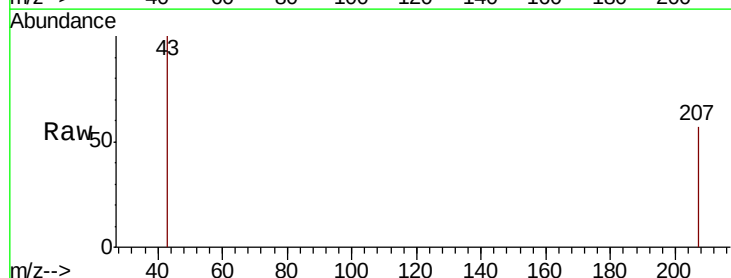
Ion Ratio Lower Upper

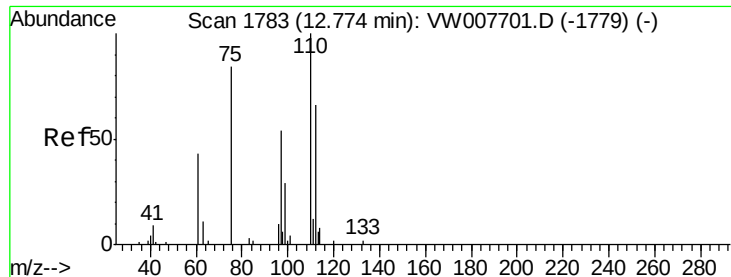
43 100

70 0.0 37.6 56.4#

55 0.0 21.7 32.5#

61 0.0 20.1 30.1#





#76

1,2,3-Trichloropropane

Concen: 101.453 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

Instrument :

MSVOA_W

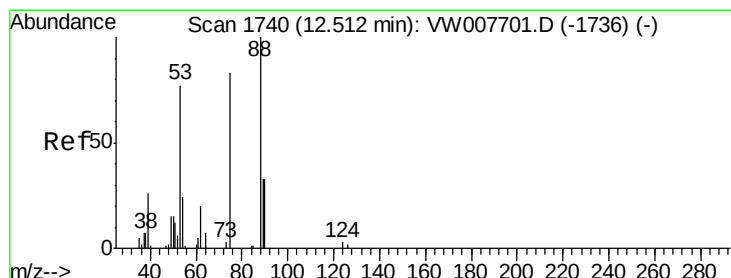
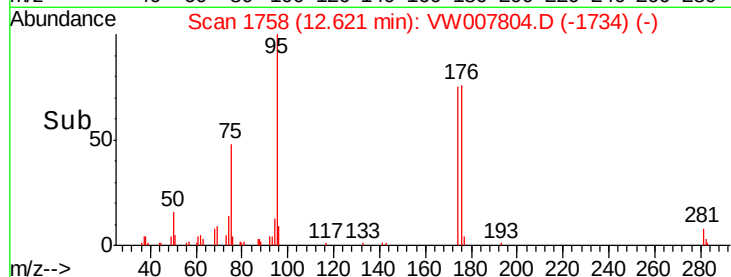
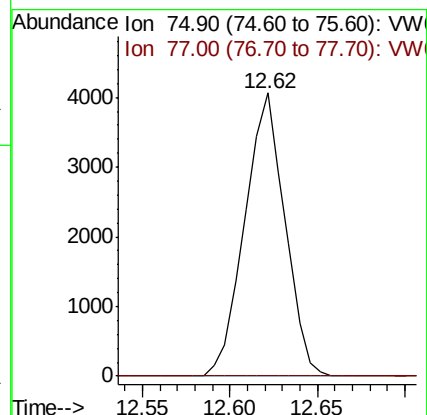
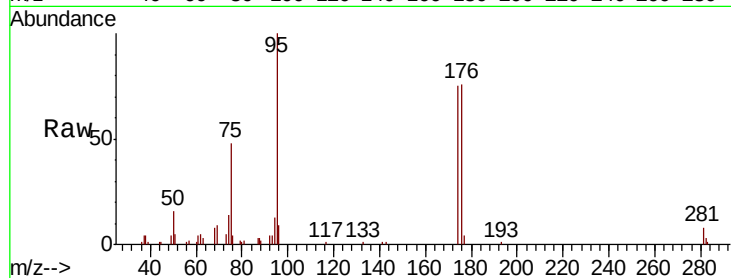
ClientSampleId :

Tot Ion: 75 Resp: 6484

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 212.956 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007804.D

Acq: 21 Dec 2018 19:23

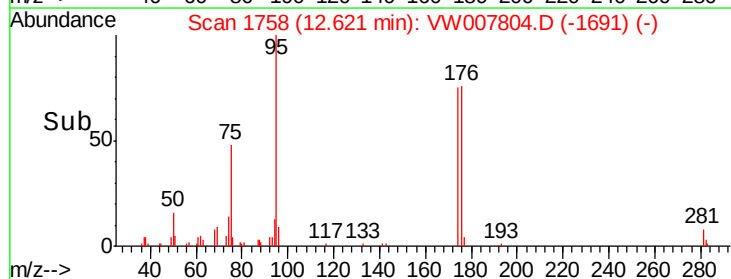
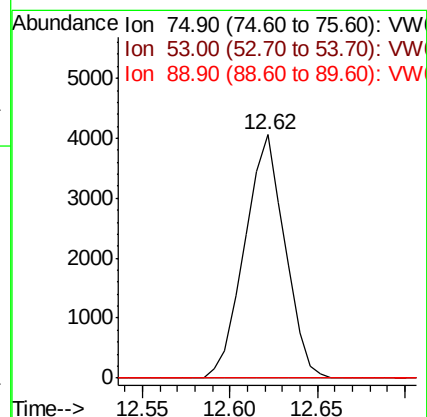
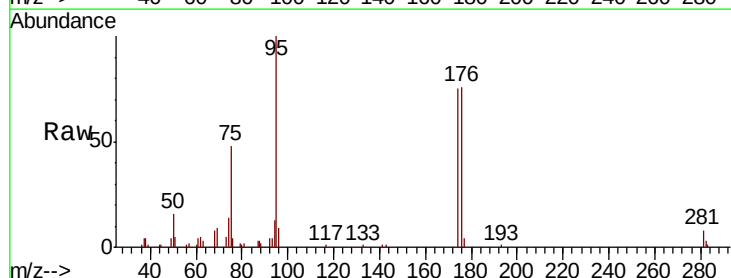
Tgt Ion: 75 Resp: 6484

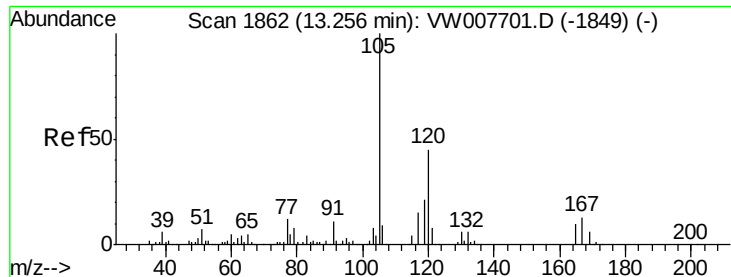
Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#

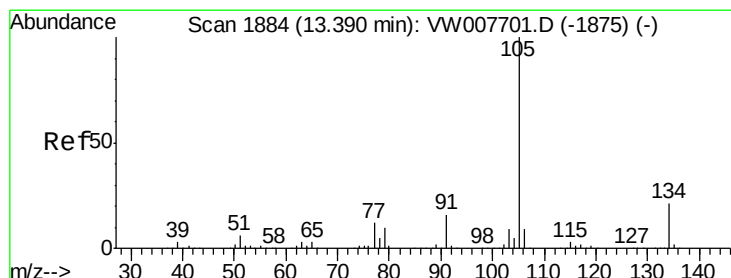
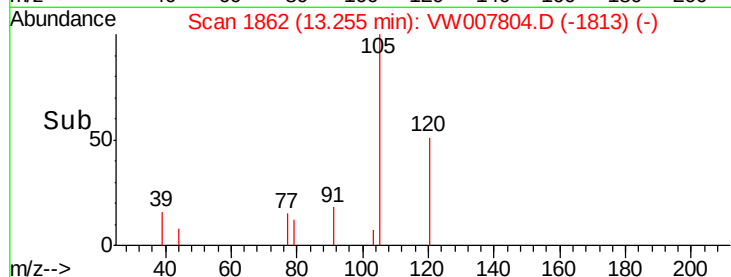
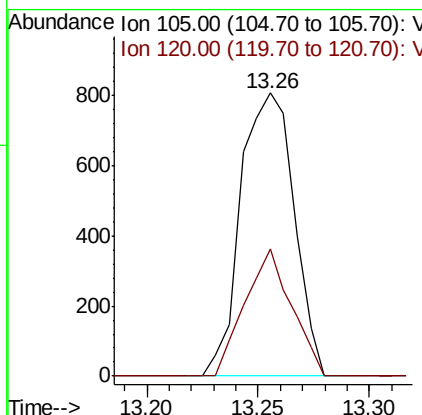
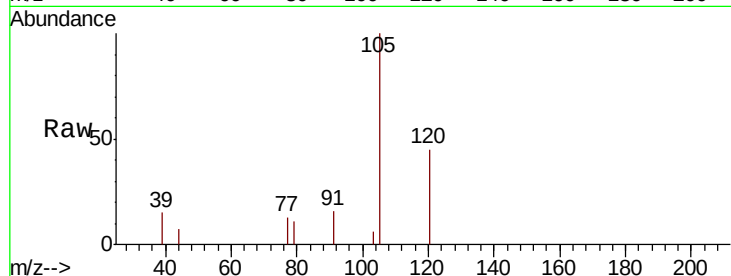




#84
 1,2,4-Trimethylbenzene
 Concen: 2.469 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

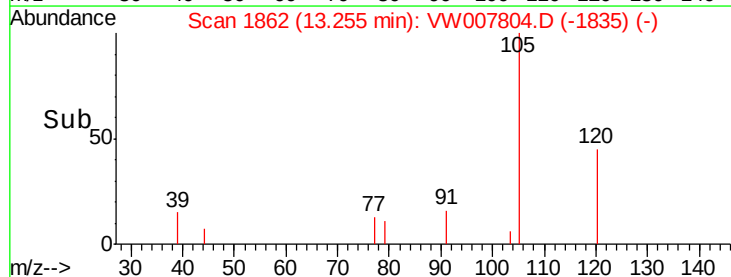
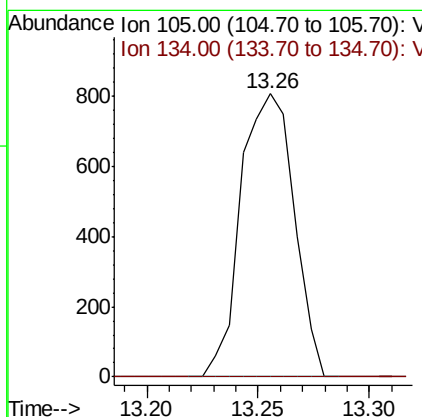
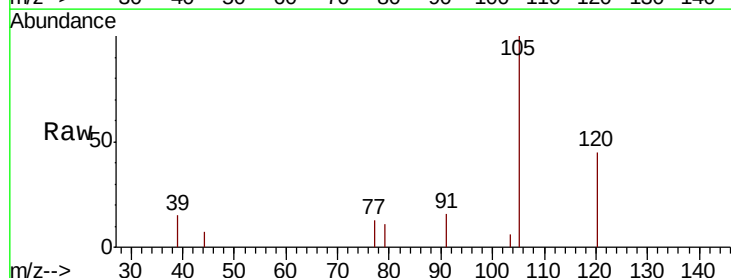
Instrument :
 MSVOA_W
 ClientSampled :

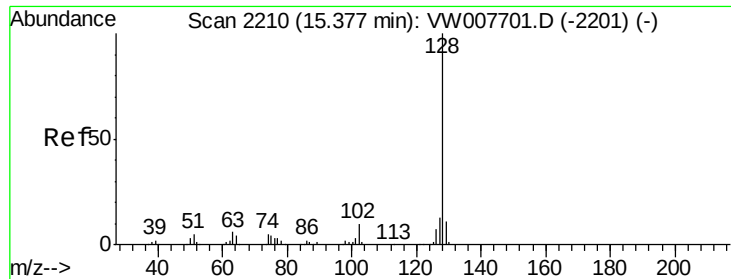
Tot Ion:105 Resp: 1343
 Ion Ratio Lower Upper
 105 100
 120 39.2 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 2.060 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Tgt Ion:105 Resp: 1343
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

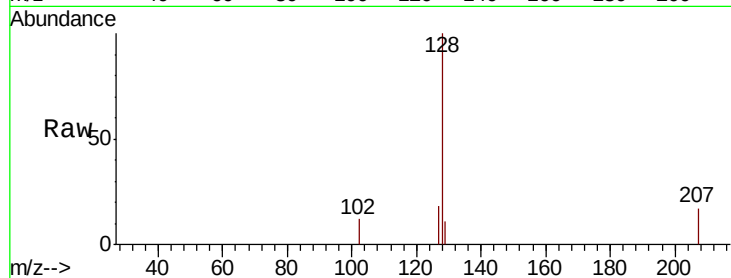




#95
 Naphthalene
 Concen: 3.283 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007804.D
 Acq: 21 Dec 2018 19:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	4.3	8.8	13.2



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

