

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007802.D
 Acq On : 21 Dec 2018 18:31
 Operator : SY/AP
 Sample : J6392-02RE
 Misc : 6.39G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 23:49:23 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	20541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	28678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	4664	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	10809	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	7.88	113	10063	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	
50) Toluene-d8	10.32	98	31760	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.62	95	6346	24.91	ug/l	0.00
Spiked Amount			Recovery	=	49.82%	

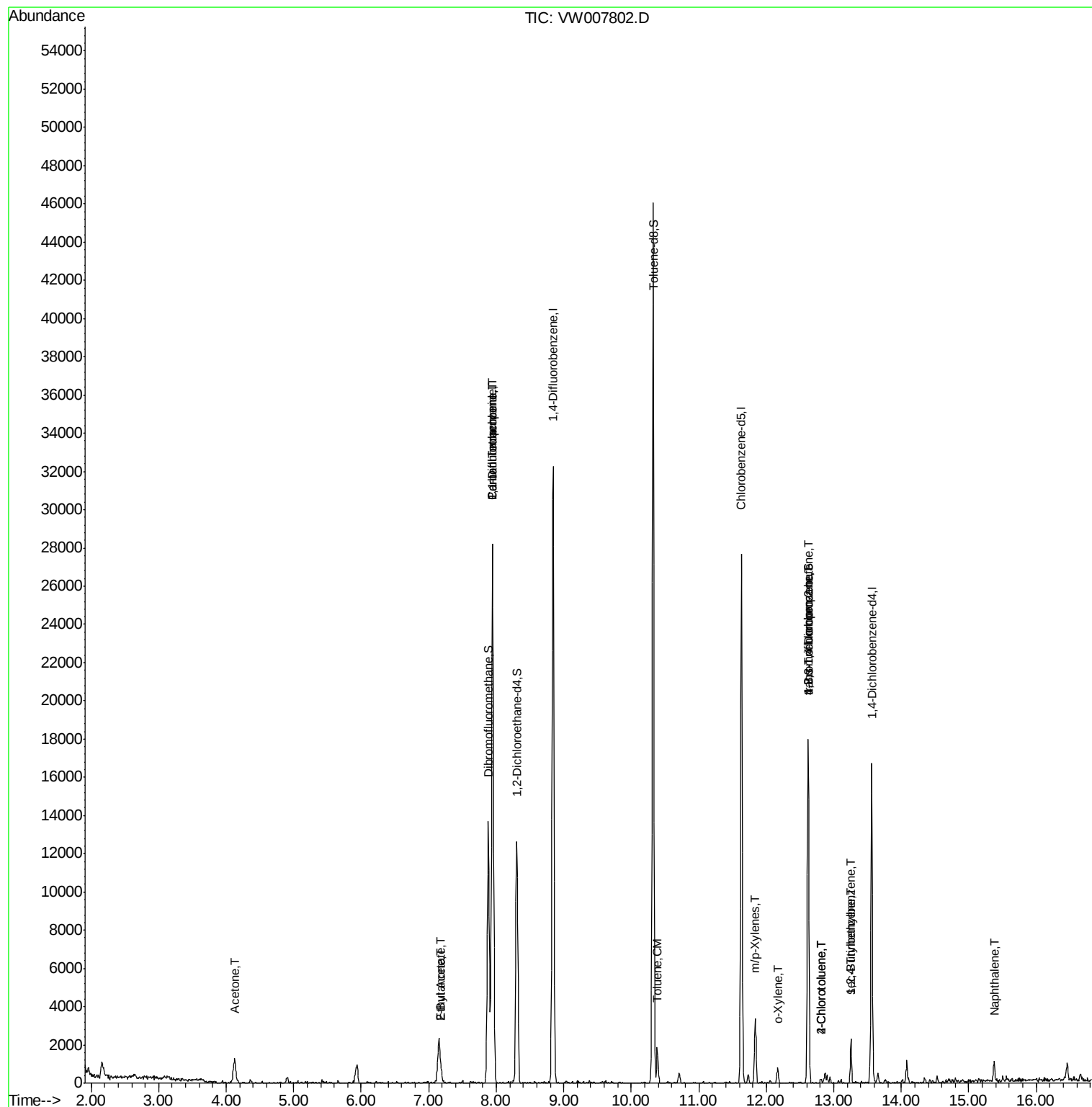
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	2398	56.879	ug/l	96
20) Methylene Chloride	4.89	84	119	Below Cal	#	29
25) 2-Butanone	7.18	43	850	17.213	ug/l #	86
36) 1,1-Dichloropropene	7.95	75	1506	5.441	ug/l #	42
37) Ethyl Acetate	7.18	43	850	8.898	ug/l #	68
38) Carbon Tetrachloride	7.95	117	2086	6.399	ug/l #	11
52) Toluene	10.38	92	915	1.846	ug/l	91
68) m/p-Xylenes	11.84	106	1151	4.987	ug/l	97
69) o-Xylene	12.17	106	319	1.474	ug/l	89
76) 1,2,3-Trichloropropane	12.62	75	3140	87.105	ug/l #	100
79) 2-Chlorotoluene	12.81	91	297	1.242	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.62	75	3140	182.840	ug/l #	9
82) 4-Chlorotoluene	12.81	91	297	1.167	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	1299	4.233	ug/l	97
85) sec-Butylbenzene	13.26	105	1299	3.533	ug/l #	56
95) Naphthalene	15.38	128	1182	6.413	ug/l #	94

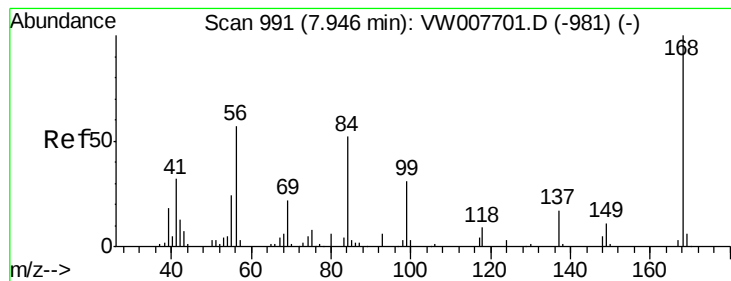
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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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: VW007802.D

Acq: 21 Dec 2018 18:31

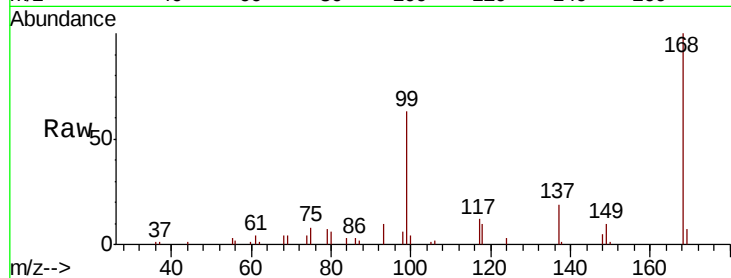
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 20541

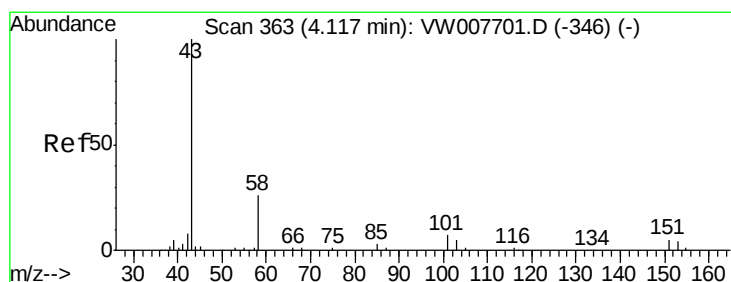
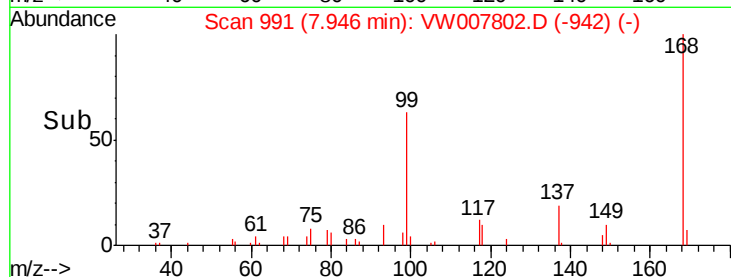
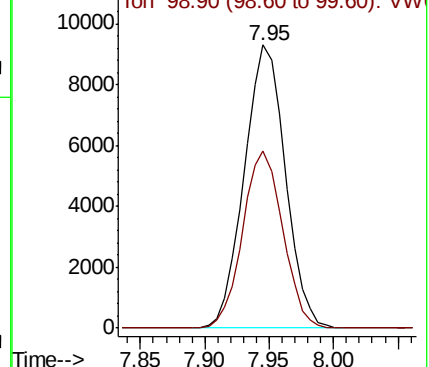
Ion Ratio Lower Upper

168 100

99 62.5 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW007701.D (-981) (-)



#16

Acetone

Concen: 56.879 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007802.D

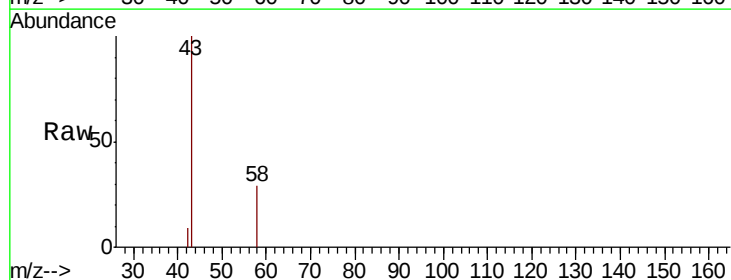
Acq: 21 Dec 2018 18:31

Tgt Ion: 43 Resp: 2398

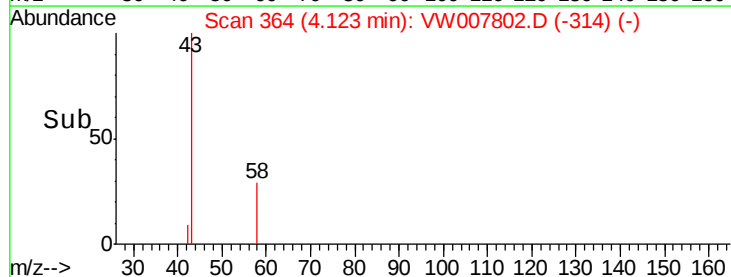
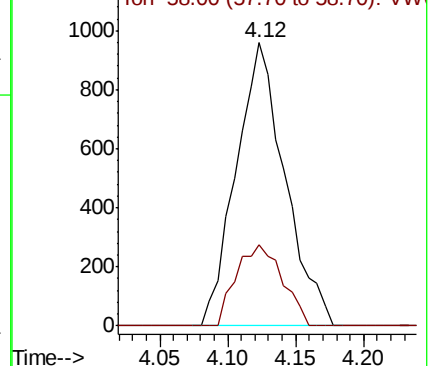
Ion Ratio Lower Upper

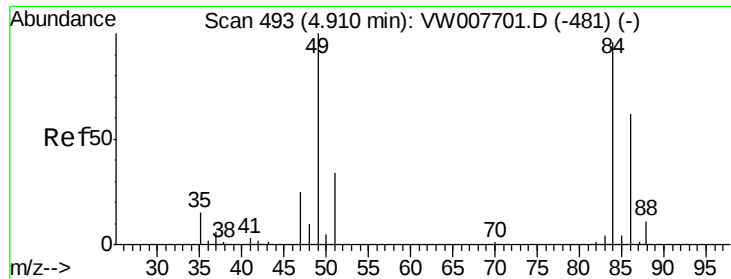
43 100

58 28.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW007701.D (-346) (-)

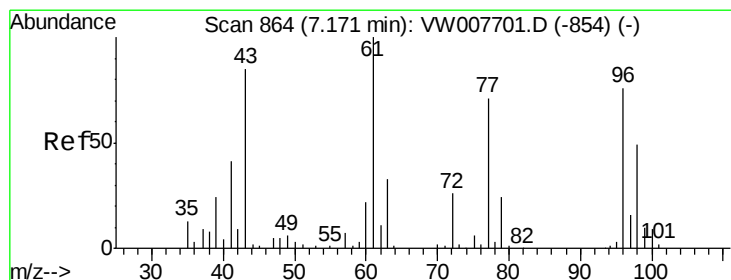
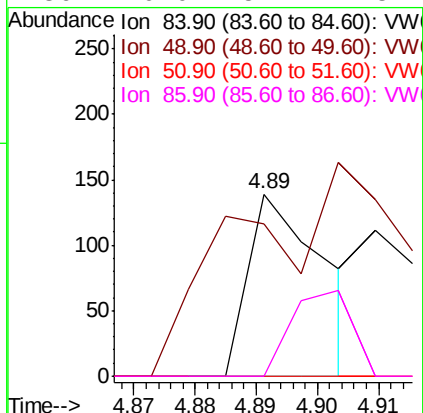
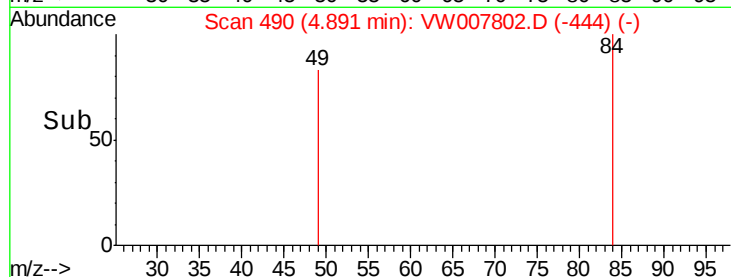
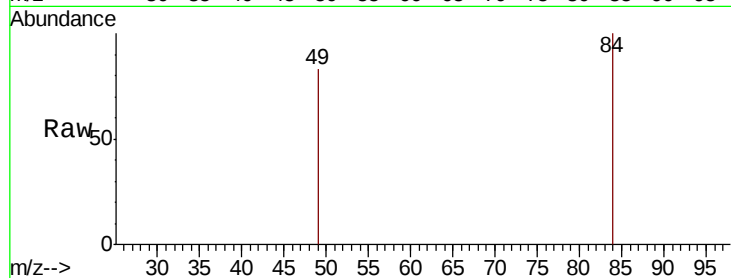




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.89 min Scan# 490
Delta R.T. -0.02 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

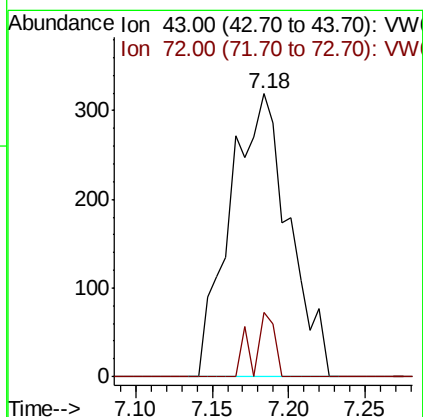
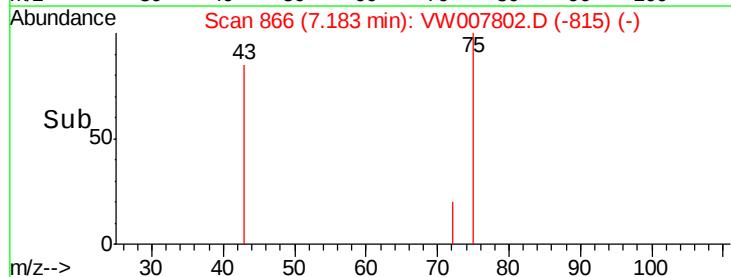
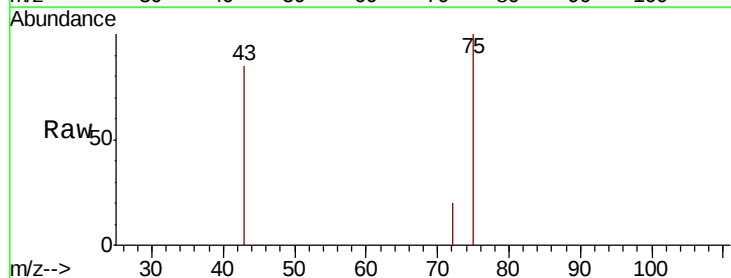
Instrument :
MSVOA_W
ClientSampleId :

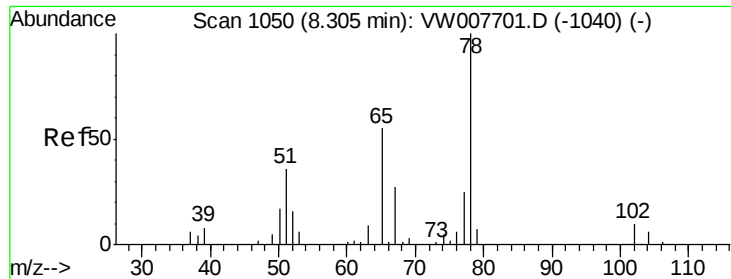
Tot Ion: 84 Resp: 119
Ion Ratio Lower Upper
84 100
49 36.0 83.7 125.5#
51 0.0 28.2 42.2#
86 0.0 52.2 78.2#



#25
2-Butanone
Concen: 17.213 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
72 22.9 24.5 36.7#

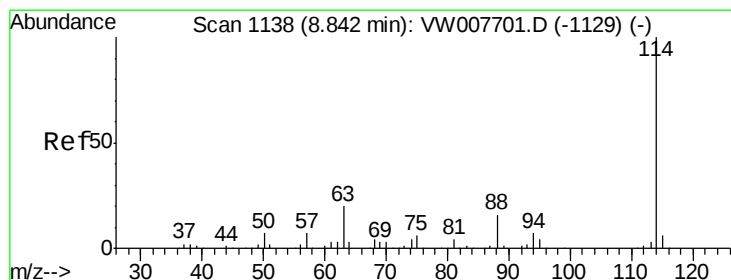
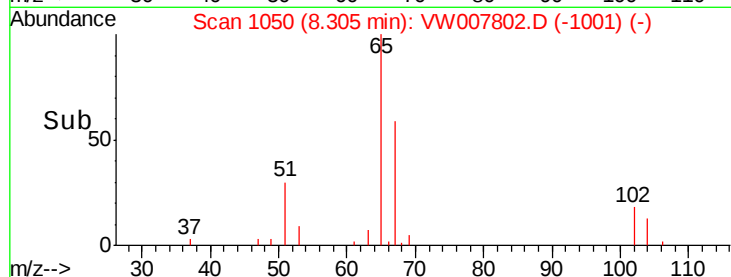
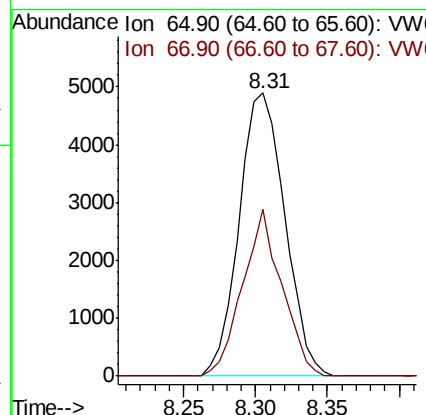
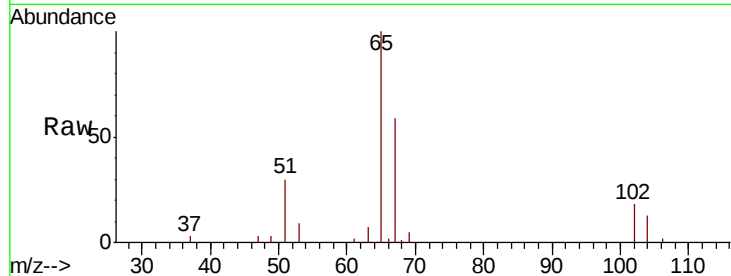




#33
 1,2-Dichloroethane-d4
 Concen: 48.010 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007802.D
 Acq: 21 Dec 2018 18:31

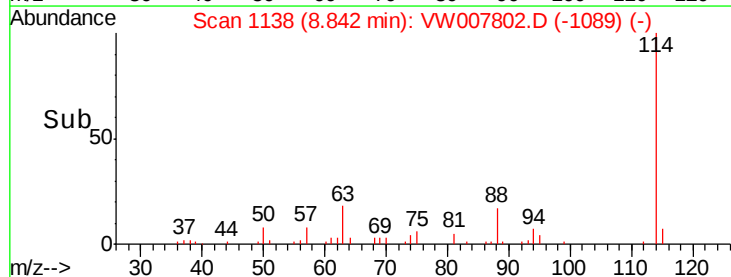
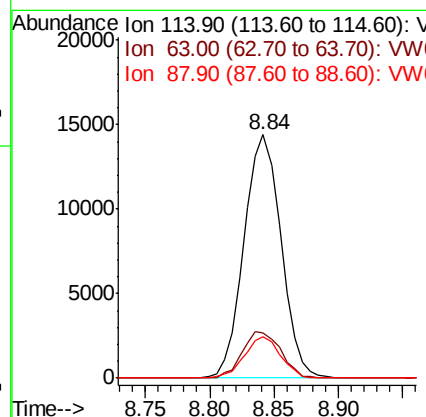
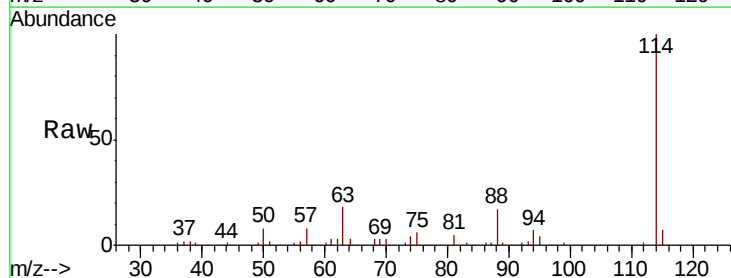
Instrument :
 MSVOA_W
 ClientSampled :

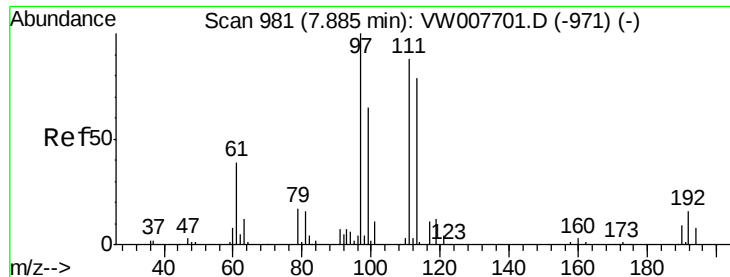
Tot Ion: 65 Resp: 10809
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007802.D
 Acq: 21 Dec 2018 18:31

Tgt Ion: 114 Resp: 28678
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.0
 88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 57.519 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

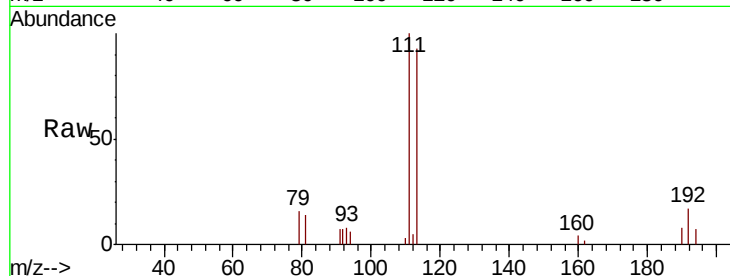
Tot Ion:113 Resp: 10063

Ion Ratio Lower Upper

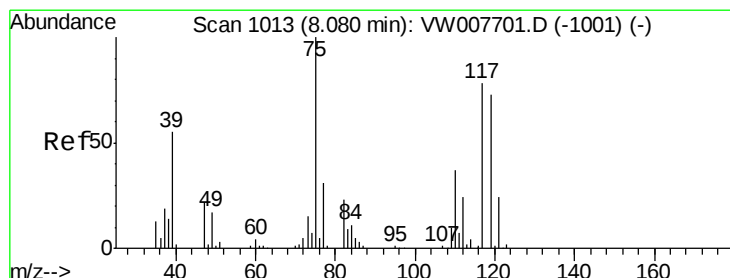
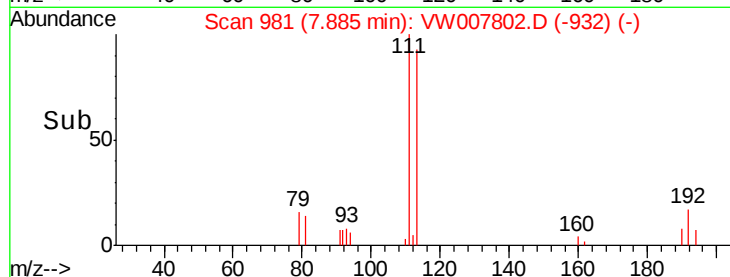
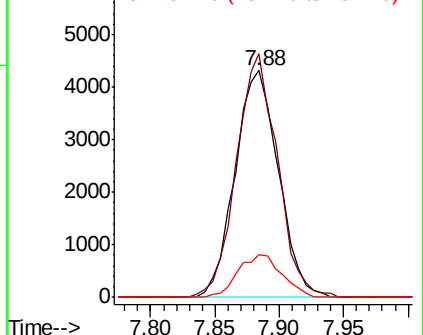
113 100

111 101.5 82.6 124.0

192 18.8 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: 5.441 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

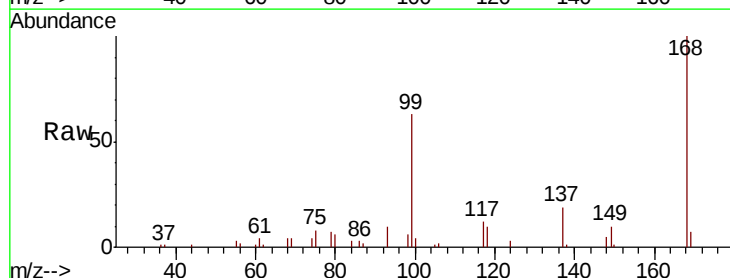
Tgt Ion: 75 Resp: 1506

Ion Ratio Lower Upper

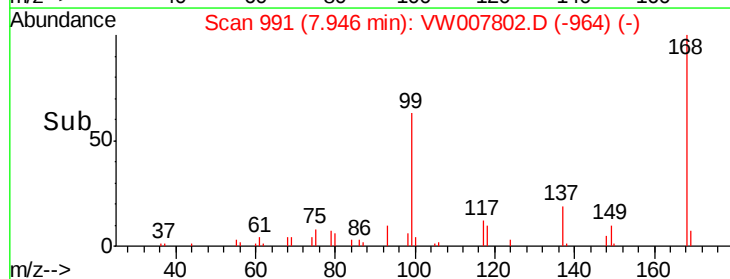
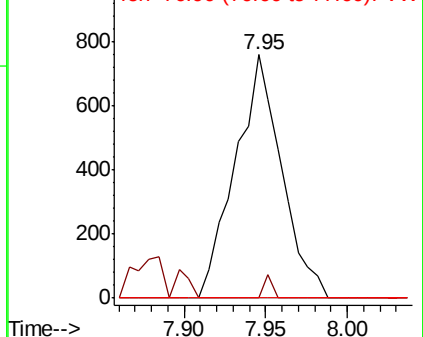
75 100

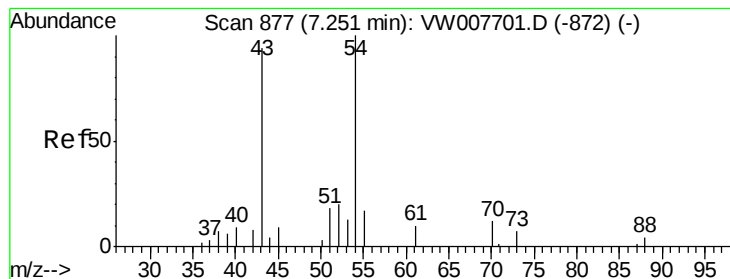
110 1.7 18.6 55.8#

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): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 8.898 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

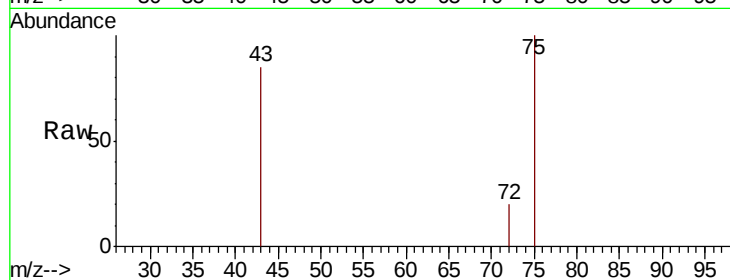
Tot Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

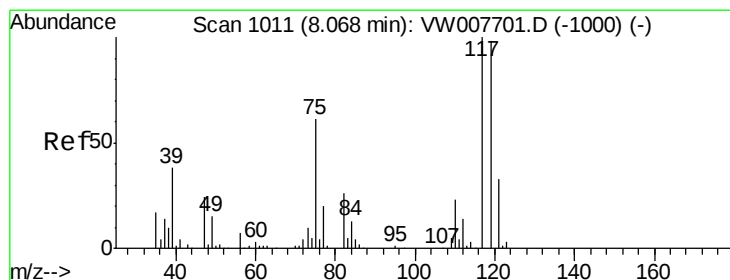
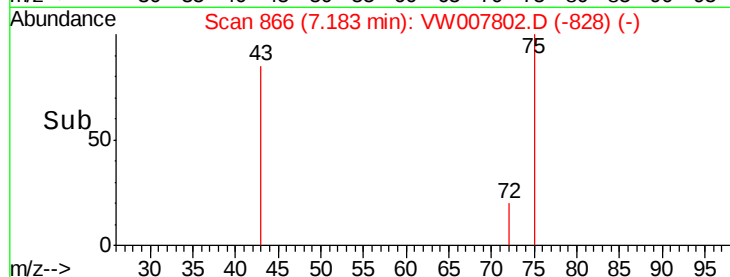
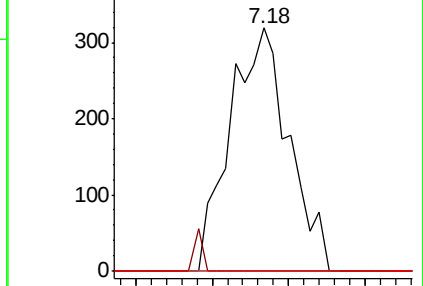
70 0.0 9.3 13.9#



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: 6.399 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

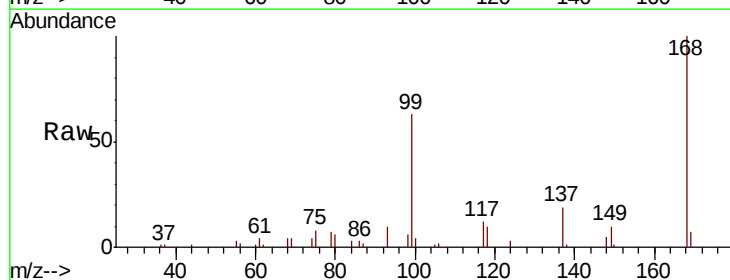
Tgt Ion: 117 Resp: 2086

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

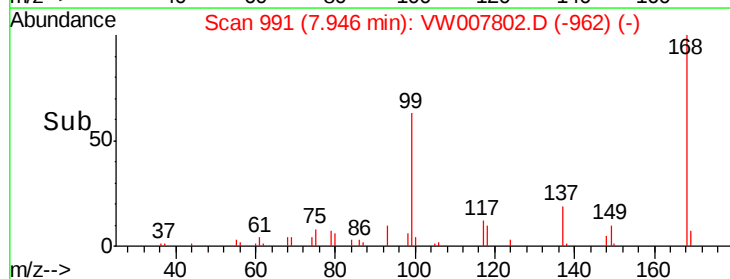
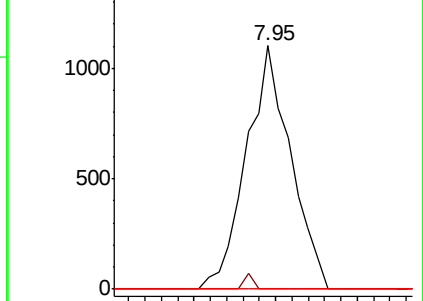
121 0.0 26.1 39.1#

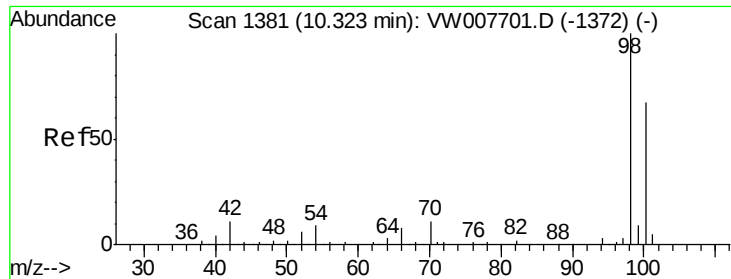


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

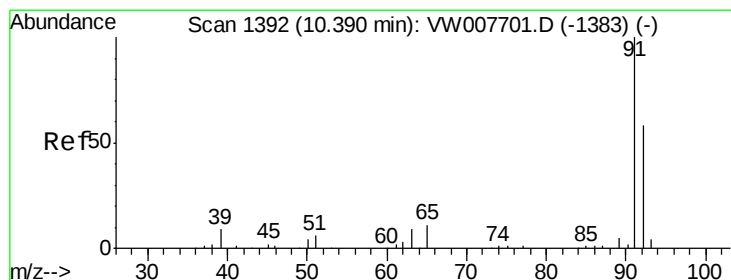
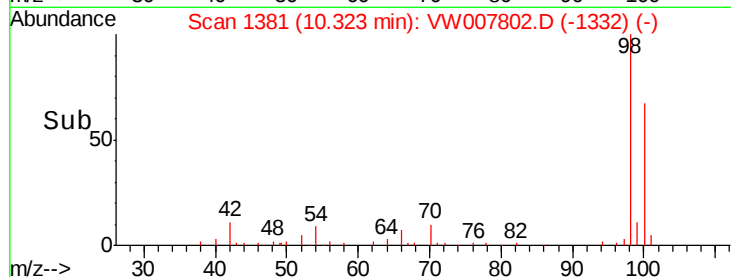
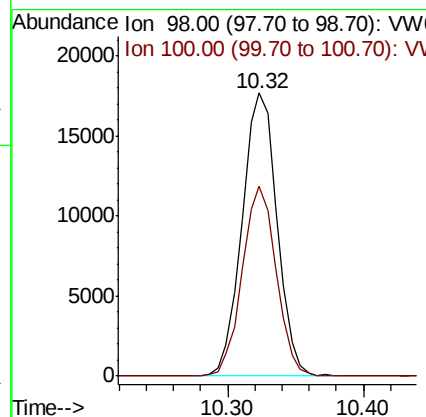
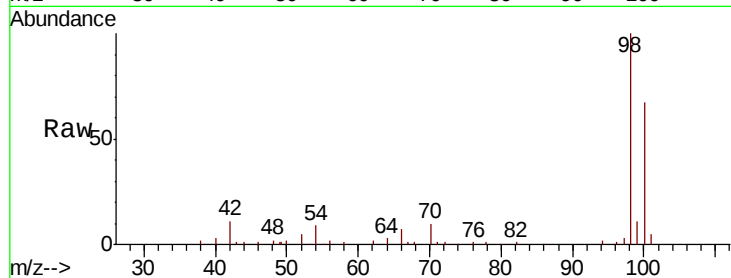




#50
Toluene-d8
Concen: 48.155 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

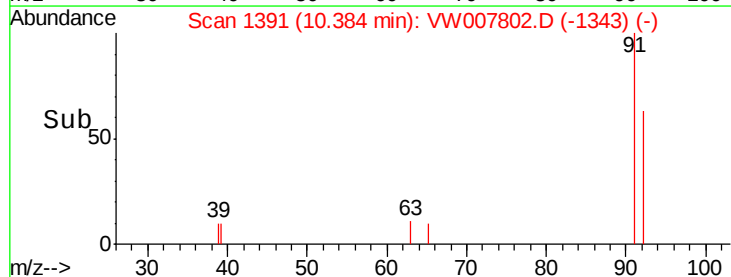
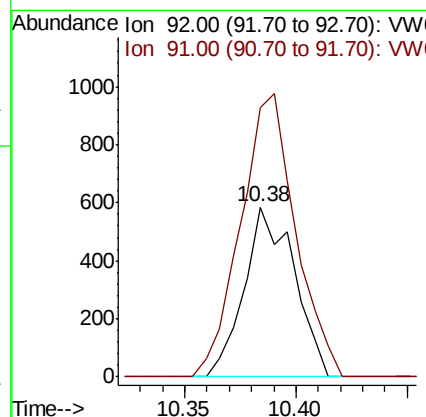
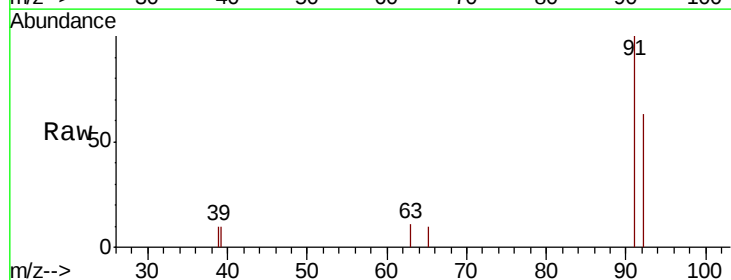
Instrument :
MSVOA_W
ClientSampled :

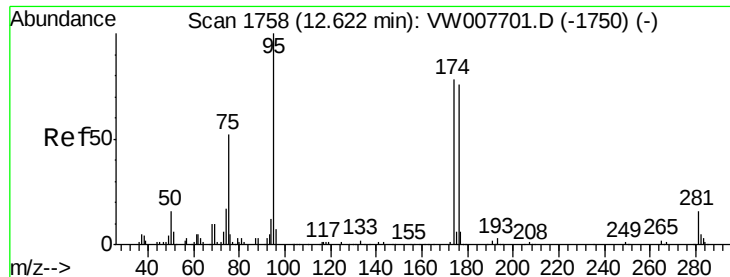
Tot Ion: 98 Resp: 31760
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



#52
Toluene
Concen: 1.846 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Tgt Ion: 92 Resp: 915
Ion Ratio Lower Upper
92 100
91 183.2 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 24.906 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

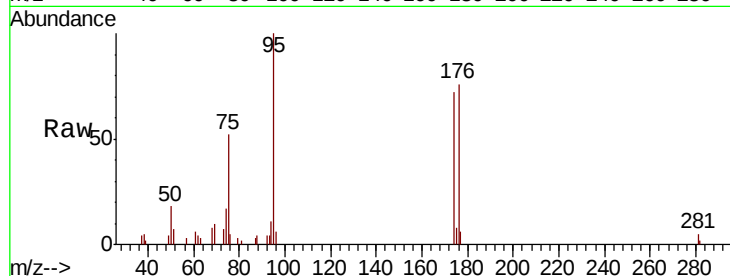
Tot Ion: 95 Resp: 6346

Ion Ratio Lower Upper

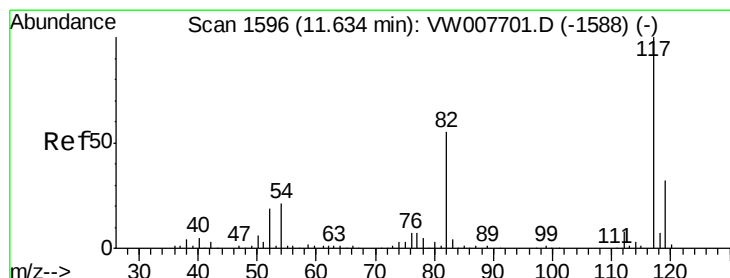
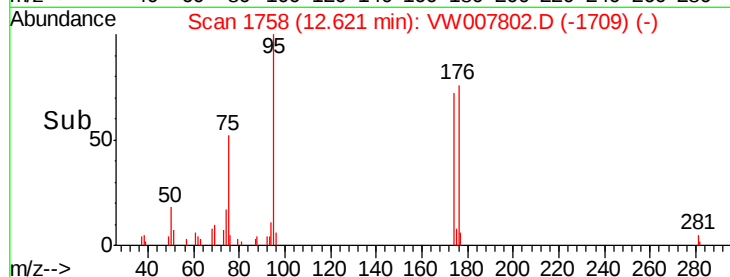
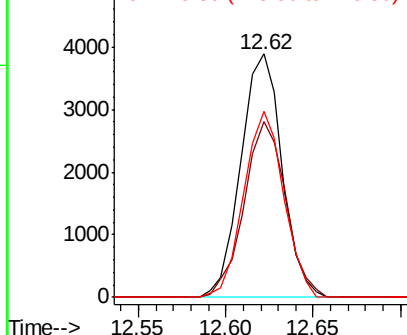
95 100

174 73.4 0.0 152.2

176 74.3 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

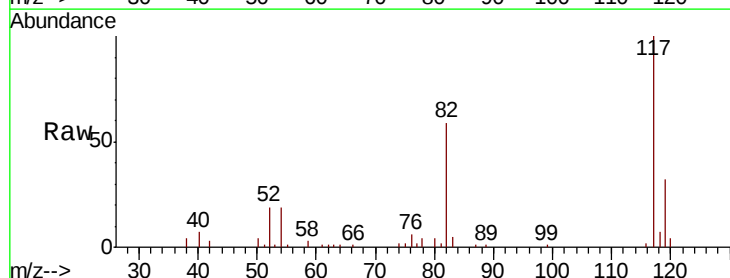
Tgt Ion: 117 Resp: 16020

Ion Ratio Lower Upper

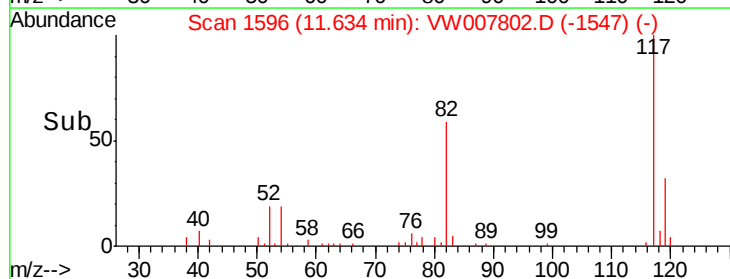
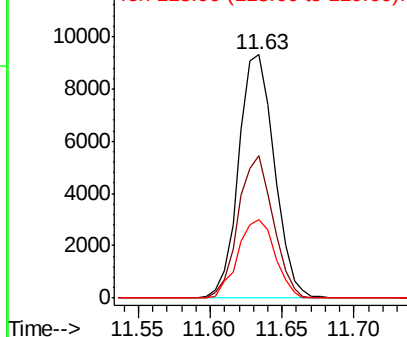
117 100

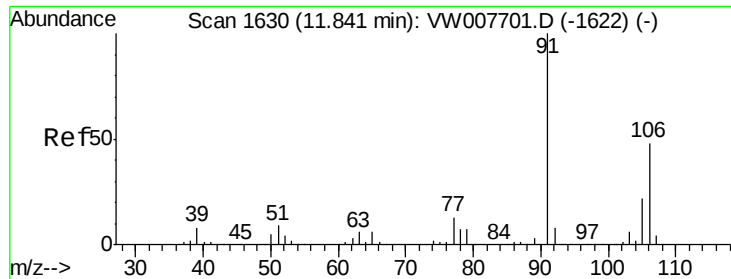
82 58.5 44.3 66.5

119 32.2 25.7 38.5



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

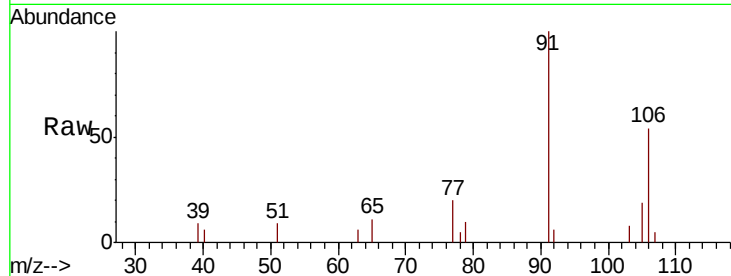




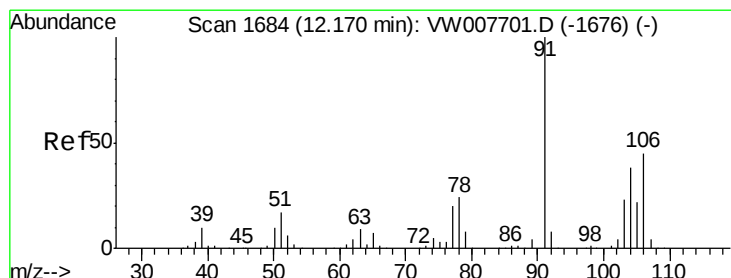
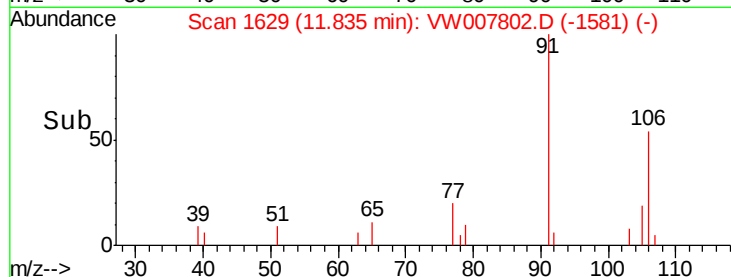
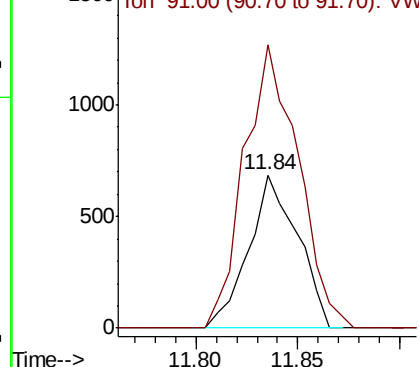
#68
m/p-Xylenes
Concen: 4.987 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 1151
Ion Ratio Lower Upper
106 100
91 202.4 165.2 247.8

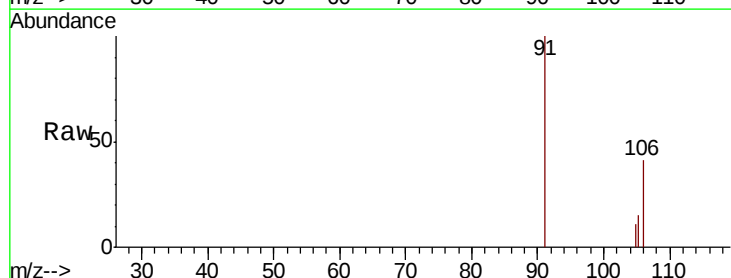


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

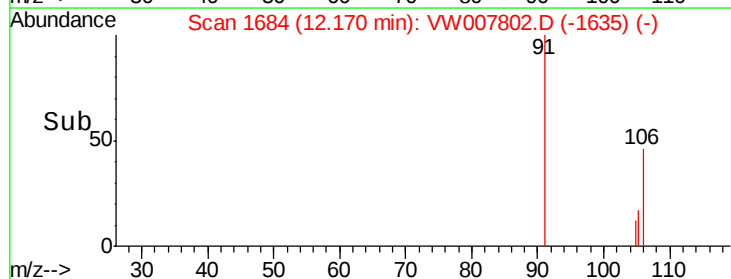
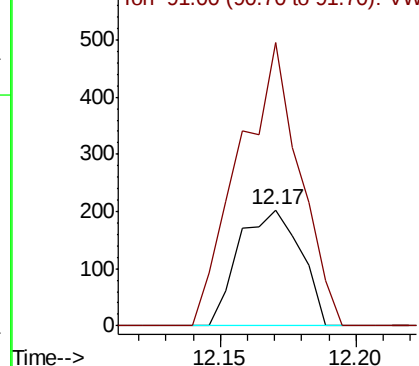


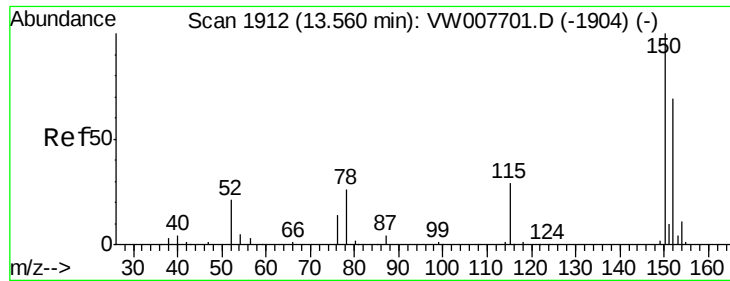
#69
o-Xylene
Concen: 1.474 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Tgt Ion:106 Resp: 319
Ion Ratio Lower Upper
106 100
91 239.2 110.5 331.4



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: VW007802.D

Acq: 21 Dec 2018 18:31

Instrument :

MSVOA_W

ClientSampleId :

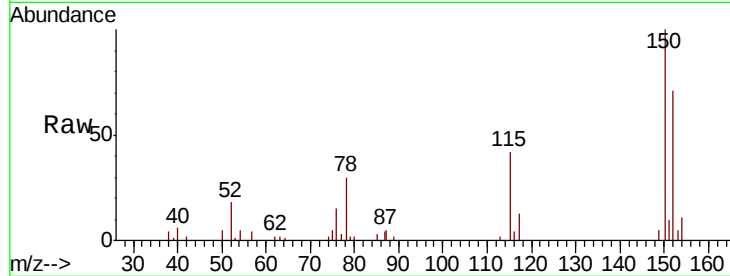
Tot Ion:152 Resp: 4664

Ion Ratio Lower Upper

152 100

115 69.6 31.8 95.4

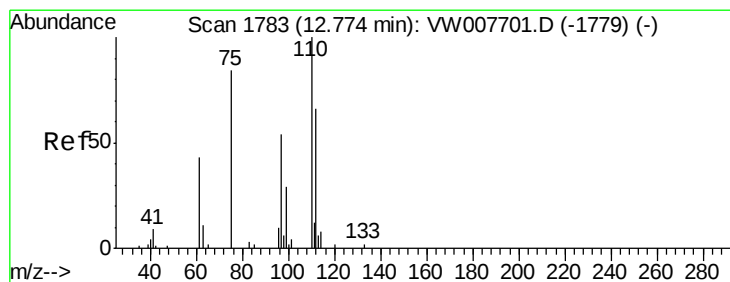
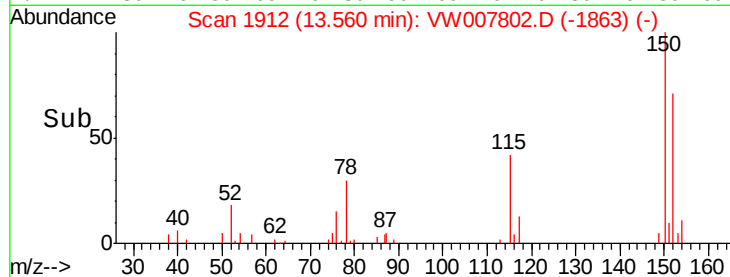
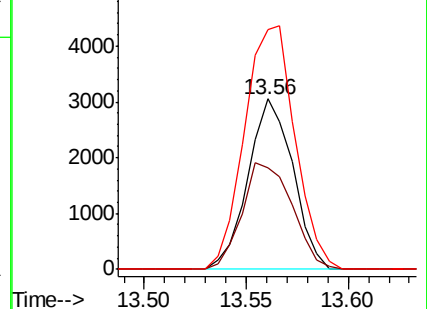
150 160.8 0.0 350.8



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



#76

1,2,3-Trichloropropane

Concen: 87.105 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007802.D

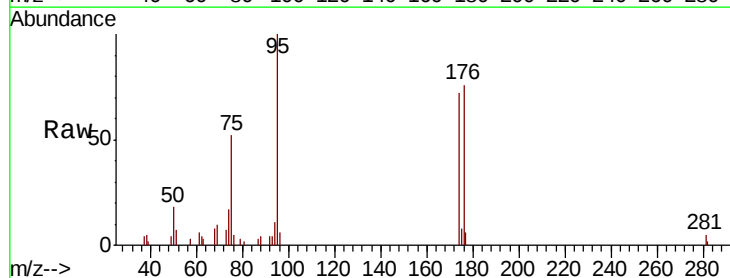
Acq: 21 Dec 2018 18:31

Tgt Ion: 75 Resp: 3140

Ion Ratio Lower Upper

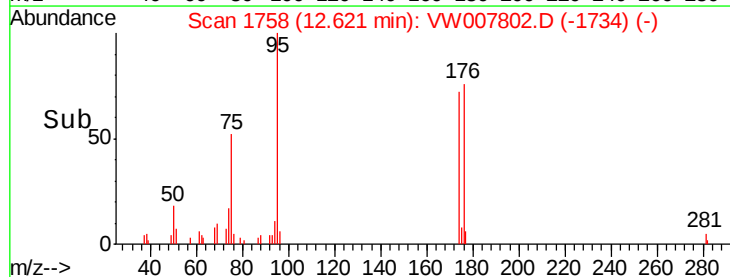
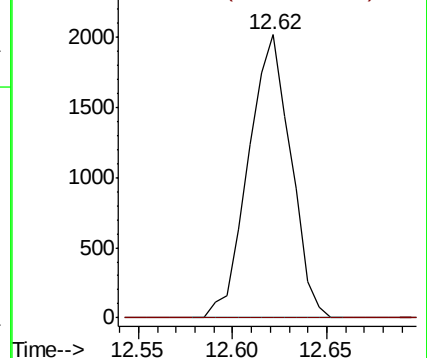
75 100

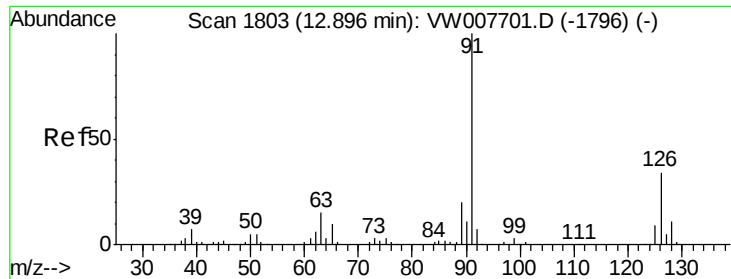
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

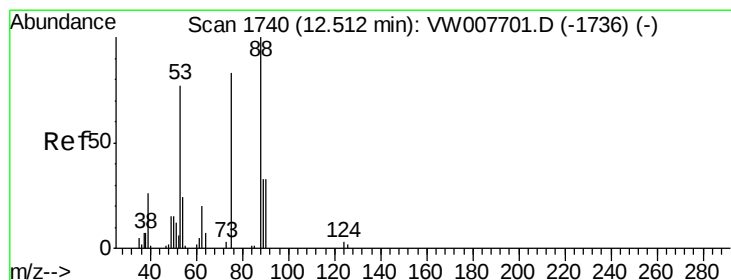
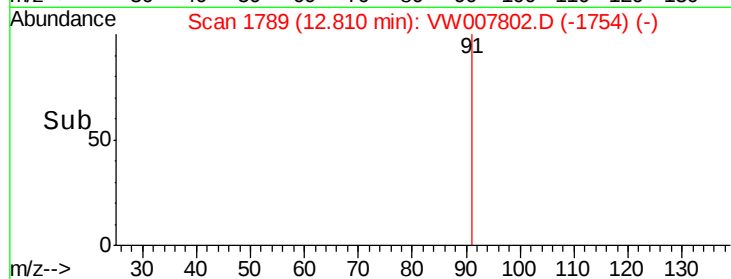
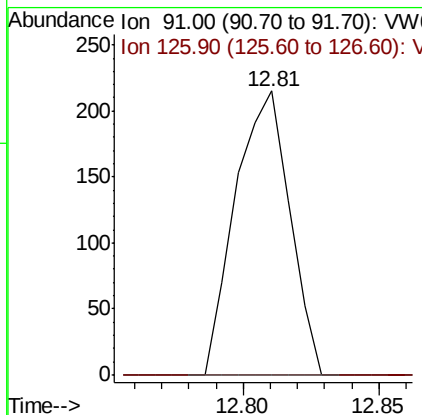
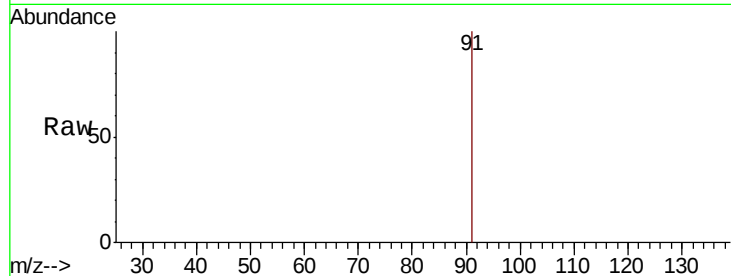




#79
2-Chlorotoluene
Concen: 1.242 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.09 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

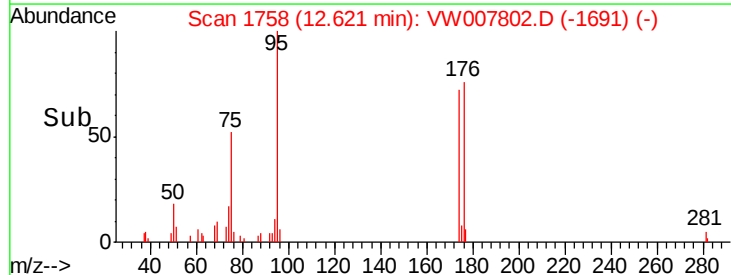
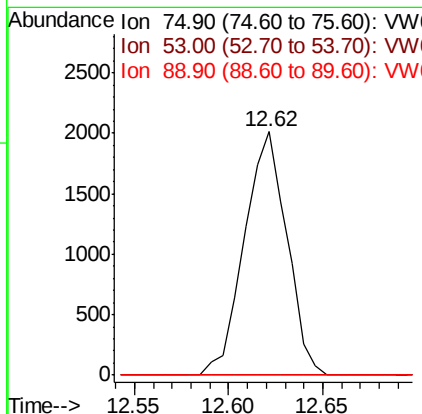
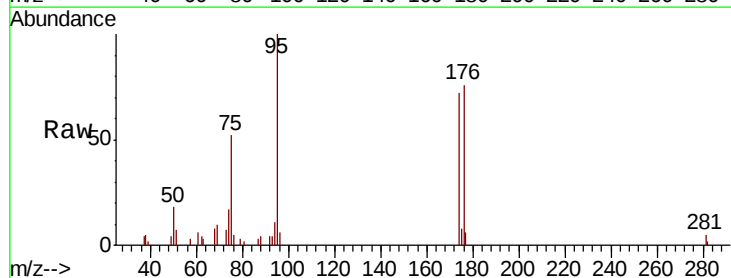
Instrument :
MSVOA_W
ClientSampleId :

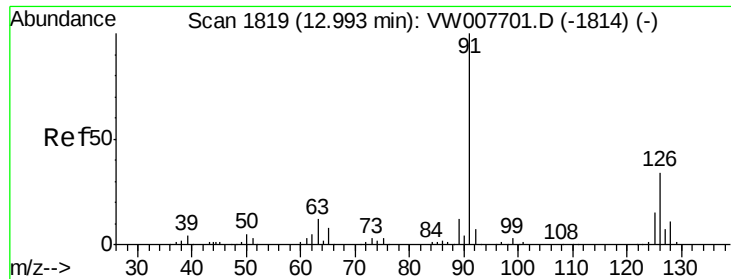
Tot Ion: 91 Resp: 297
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 182.840 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Tgt Ion: 75 Resp: 3140
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#

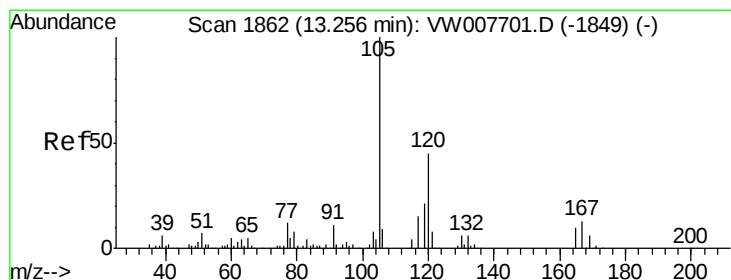
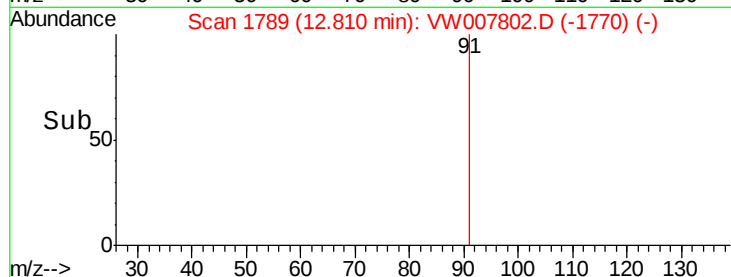
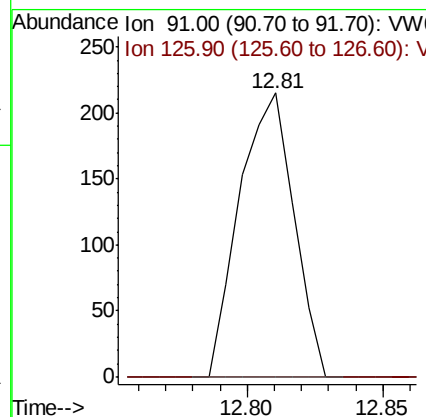
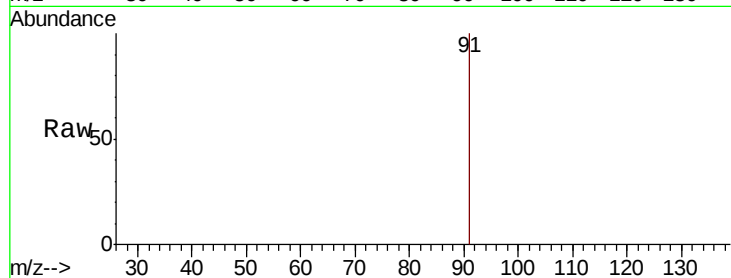




#82
4-Chlorotoluene
Concen: 1.167 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.18 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

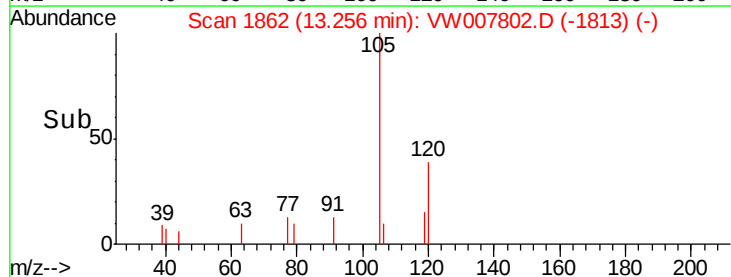
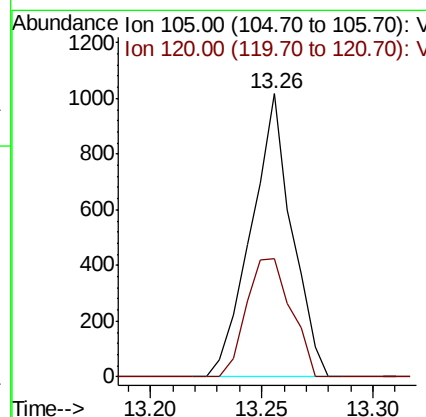
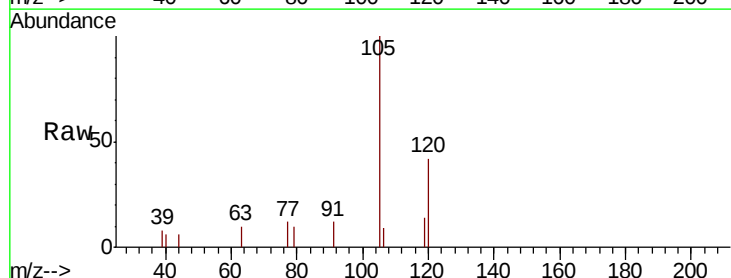
Instrument :
MSVOA_W
ClientSampleId :

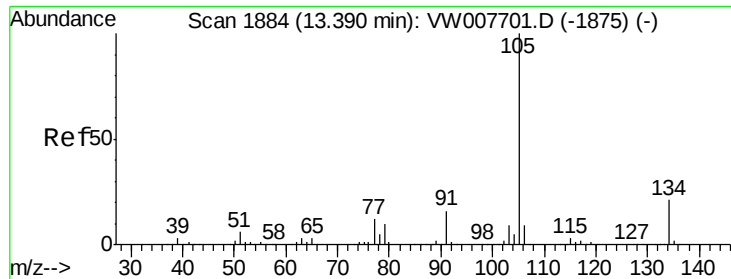
Tot Ion: 91 Resp: 297
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#



#84
1,2,4-Trimethylbenzene
Concen: 4.233 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007802.D
Acq: 21 Dec 2018 18:31

Tgt Ion: 105 Resp: 1299
Ion Ratio Lower Upper
105 100
120 45.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 3.533 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.13 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

Instrument :

MSVOA_W

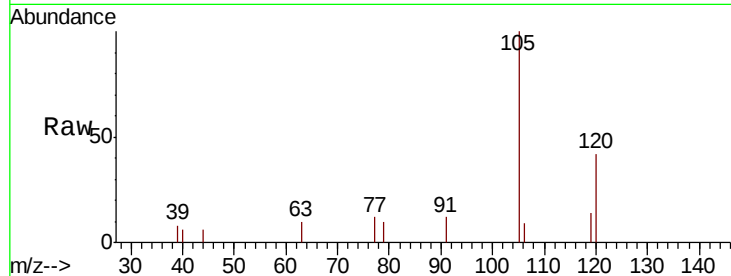
ClientSampled :

Tot Ion:105 Resp: 1299

Ion Ratio Lower Upper

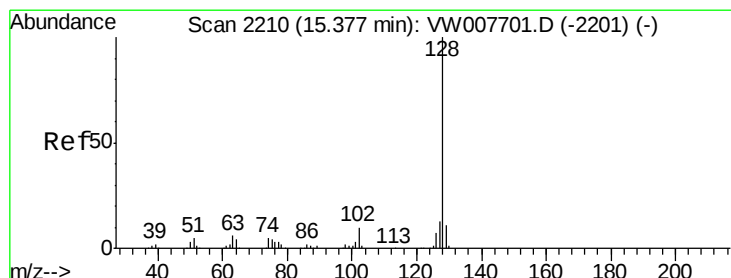
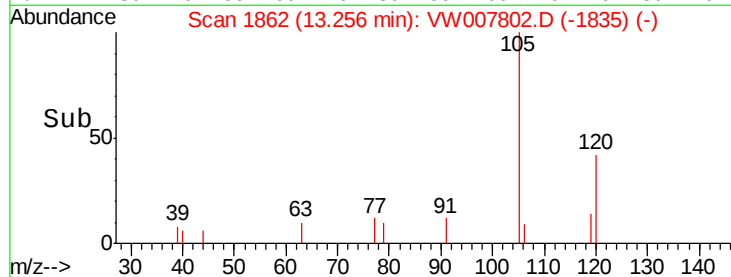
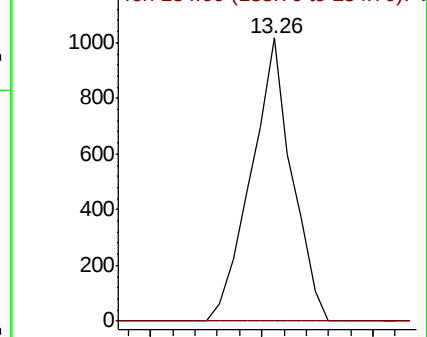
105 100

134 0.0 10.2 30.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 6.413 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007802.D

Acq: 21 Dec 2018 18:31

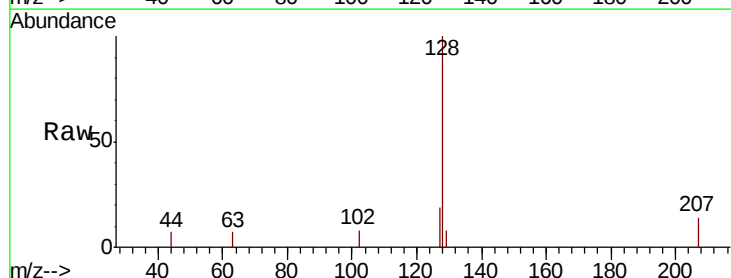
Tgt Ion:128 Resp: 1182

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

129 6.3 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

