

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007817.D
 Acq On : 22 Dec 2018 01:02
 Operator : SY/AP
 Sample : J6386-18RE
 Misc : 6.6G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 22 01:59:53 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

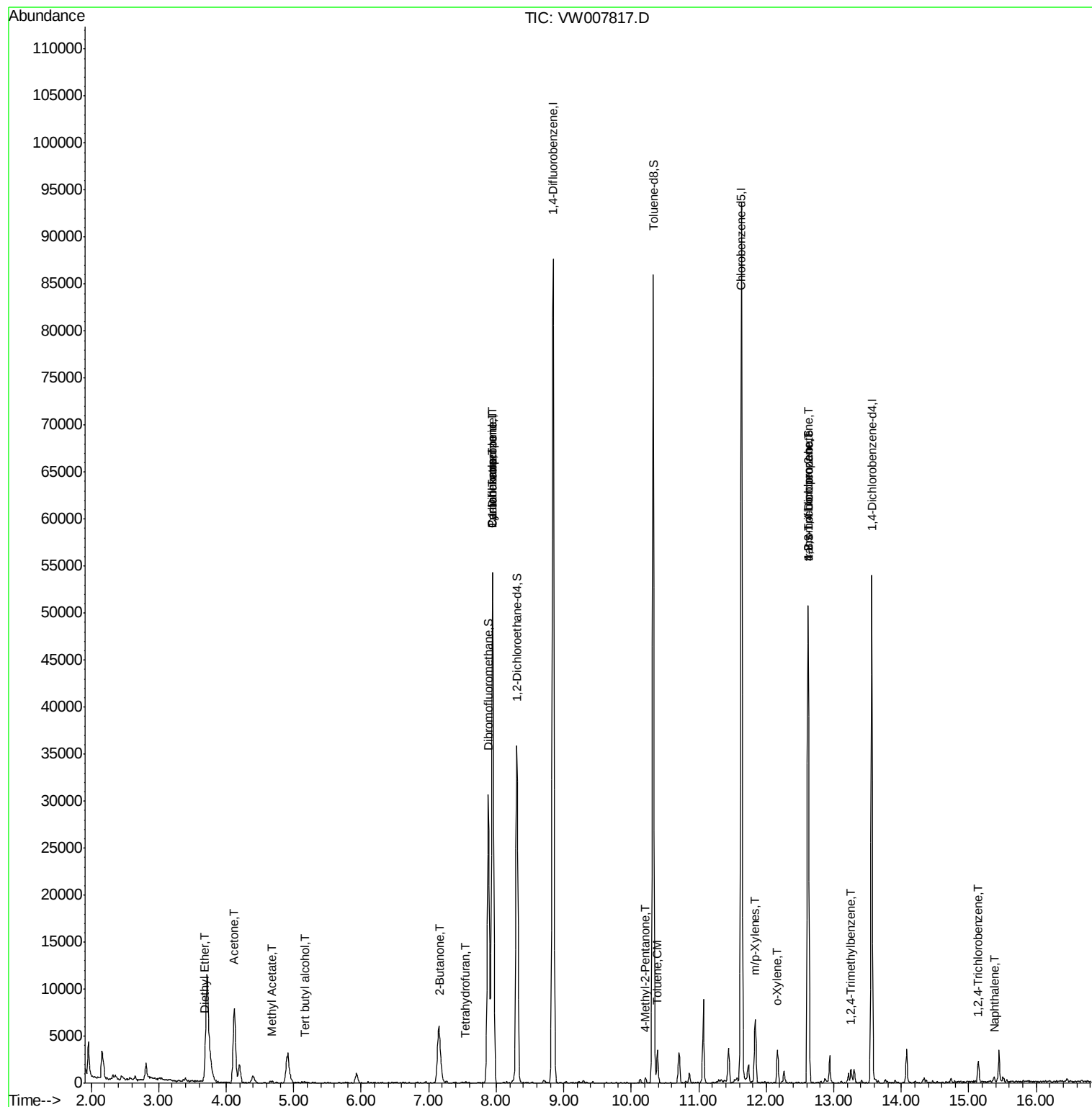
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	40422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	77723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	52957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	29583	66.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.54%	
35) Dibromofluoromethane	7.88	113	22560	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	10.32	98	57619	32.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.46%	
62) 4-Bromofluorobenzene	12.62	95	16374	23.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	320	1.787	ug/l	81
11) Tert butyl alcohol	5.17	59	216	7.227	ug/l #	73
16) Acetone	4.12	43	13691	165.023	ug/l	97
18) Methyl Acetate	4.67	43	464	2.352	ug/l #	46
25) 2-Butanone	7.17	43	2672	27.497	ug/l	98
29) Tetrahydrofuran	7.54	42	71	1.225	ug/l #	46
31) Cyclohexane	7.95	56	857	1.299	ug/l #	38
36) 1,1-Dichloropropene	7.94	75	3203	4.270	ug/l #	49
38) Carbon Tetrachloride	7.95	117	4286	4.851	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	485	1.979	ug/l #	65
52) Toluene	10.38	92	1822	1.357	ug/l	92
68) m/p-Xylenes	11.84	106	2041	2.675	ug/l	99
69) o-Xylene	12.16	106	1007	1.408	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	8400	75.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8400	157.504	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1126	1.182	ug/l	93
93) 1,2,4-Trichlorobenzene	15.14	180	815	2.632	ug/l	99
95) Naphthalene	15.38	128	726	1.268	ug/l #	76

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

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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: VW007817.D

Acq: 22 Dec 2018 01:02

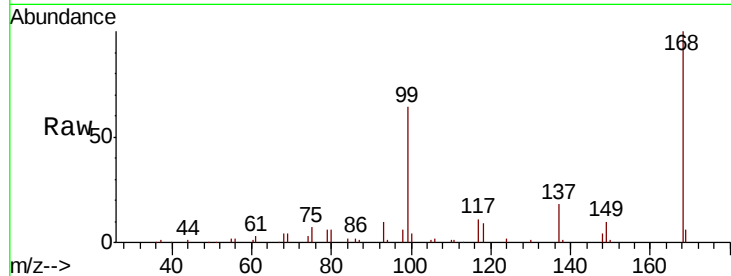
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 40422

Ion Ratio Lower Upper

168 100

99 64.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

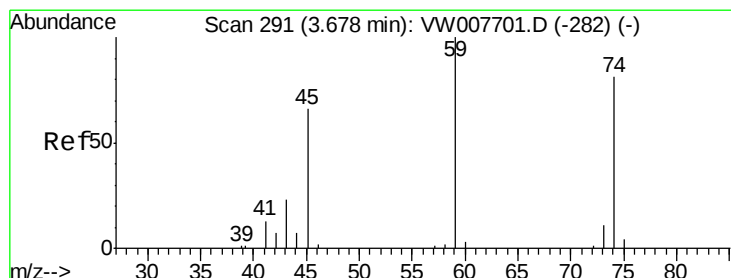
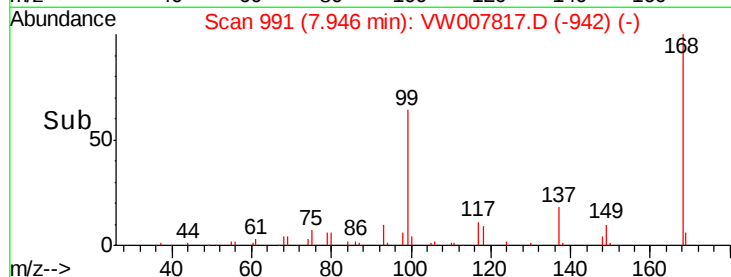
10000

5000

0

7.85 7.90 7.95 8.00

Time-->



#8

Diethyl Ether

Concen: 1.787 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW007817.D

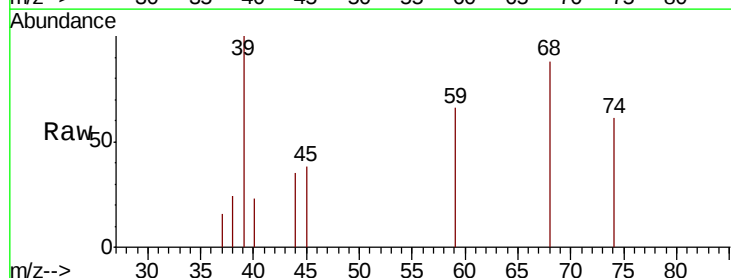
Acq: 22 Dec 2018 01:02

Tgt Ion: 74 Resp: 320

Ion Ratio Lower Upper

74 100

45 62.5 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

250

200

150

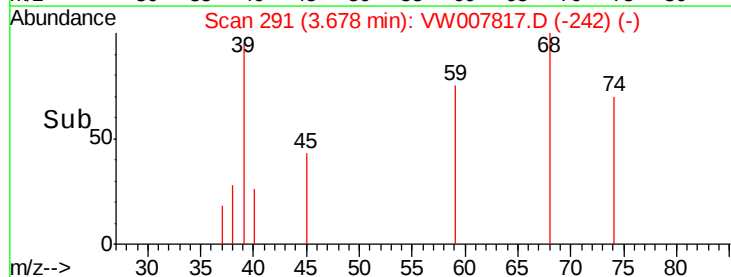
100

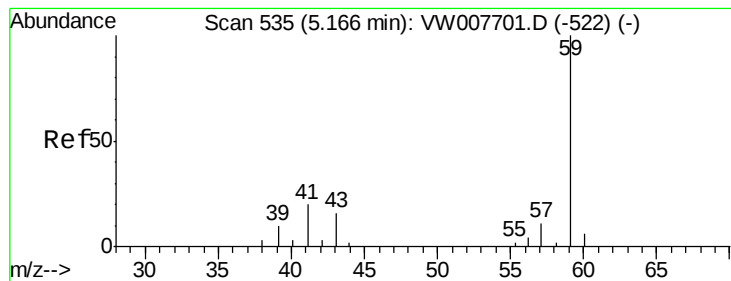
50

0

3.65 3.70

Time-->



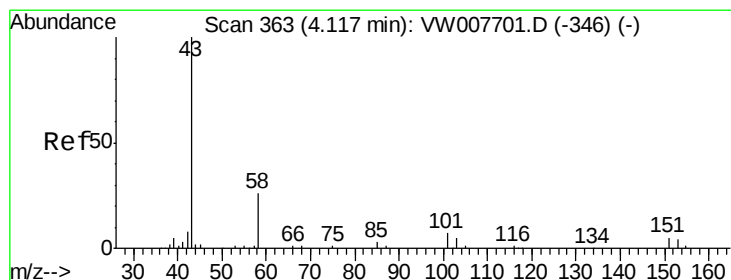
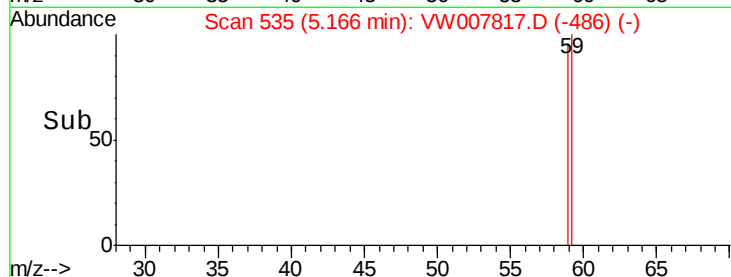
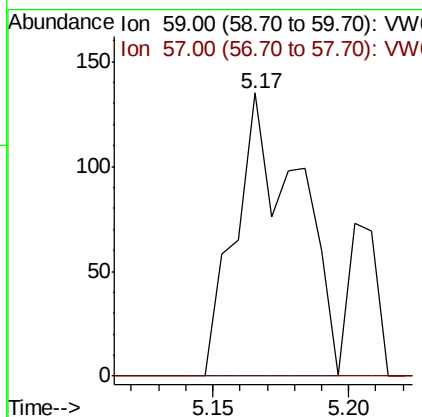
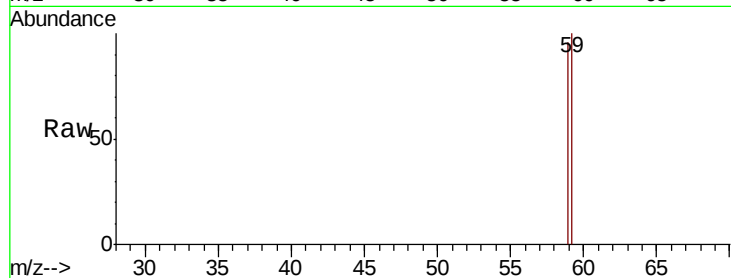


#11

Tert butyl alcohol
 Concen: 7.227 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Instrument :
 MSVOA_W
 ClientSampled :

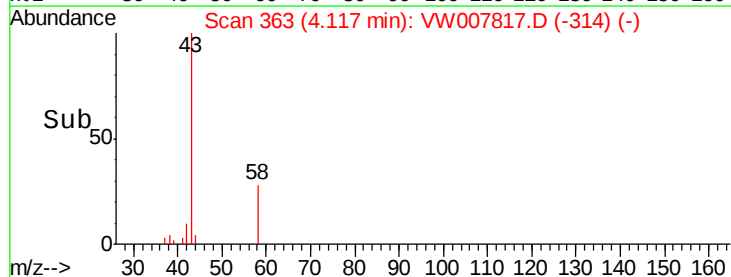
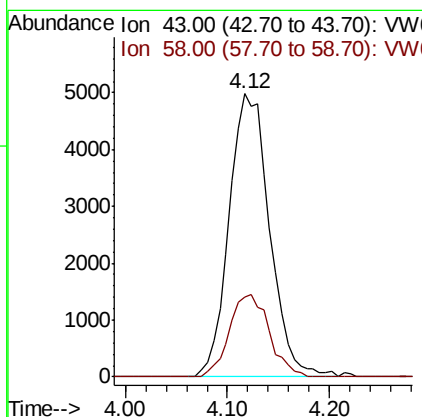
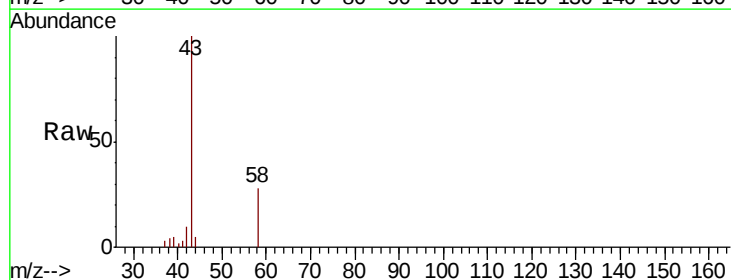
Tot Ion: 59 Resp: 216
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

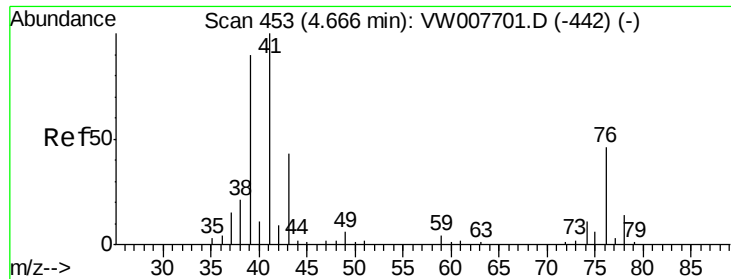


#16

Acetone
 Concen: 165.023 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Tgt Ion: 43 Resp: 13691
 Ion Ratio Lower Upper
 43 100
 58 28.2 21.2 31.8

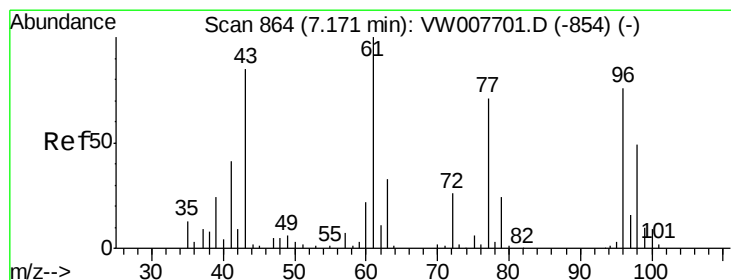
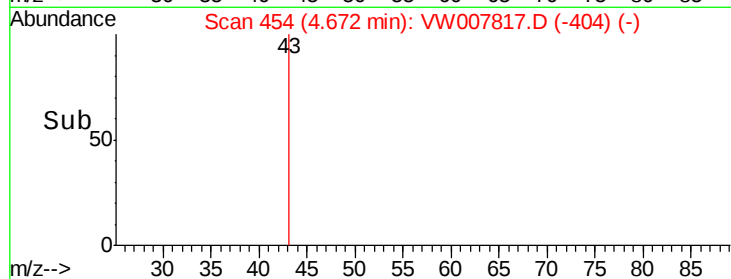
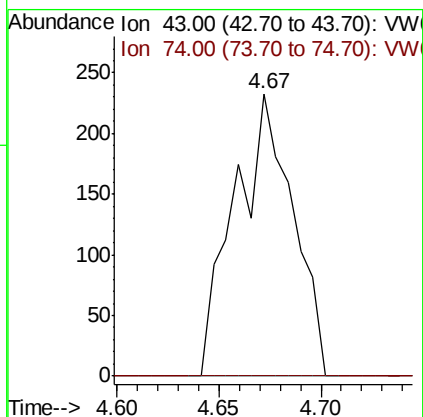
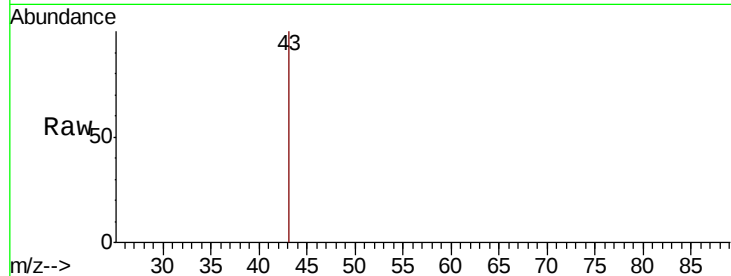




#18
Methyl Acetate
Concen: 2.352 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

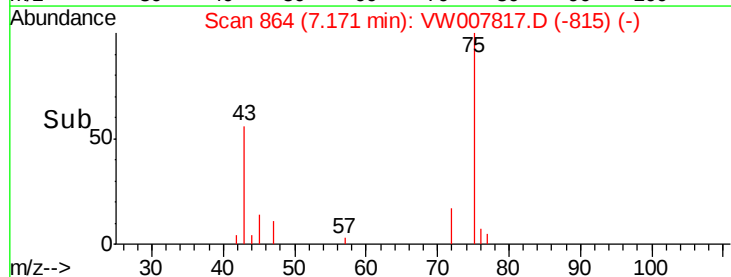
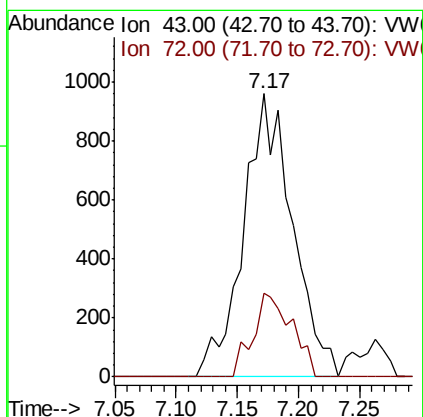
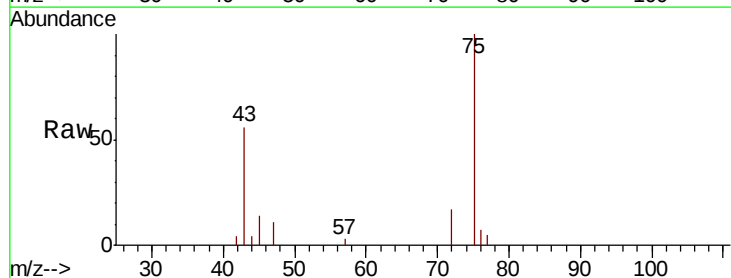
Instrument :
MSVOA_W
ClientSampled :

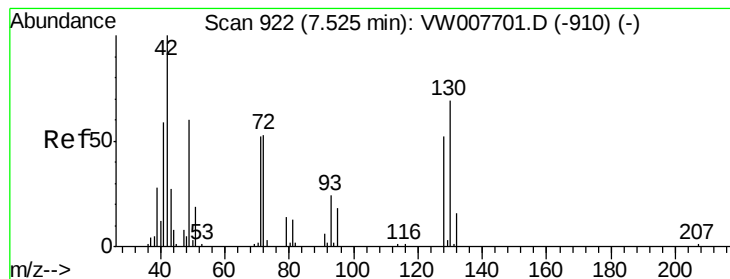
Tot Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
74 0.0 22.7 34.1#



#25
2-Butanone
Concen: 27.497 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

Tgt Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
72 29.7 24.5 36.7





#29

Tetrahydrofuran

Concen: 1.225 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007817.D

Acq: 22 Dec 2018 01:02

Instrument :

MSVOA_W

ClientSampleId :

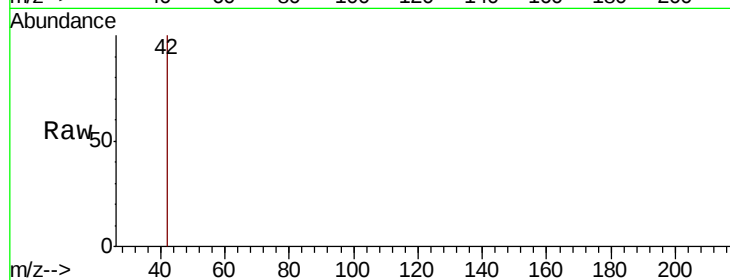
Tot Ion: 42 Resp: 71

Ion Ratio Lower Upper

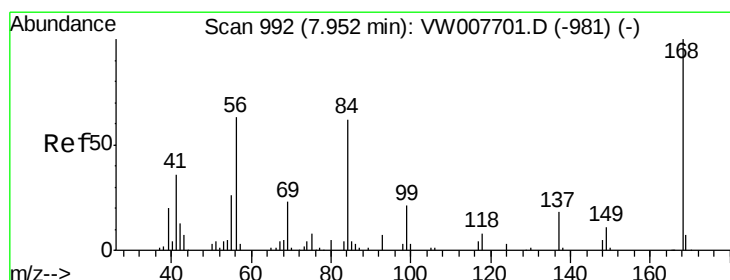
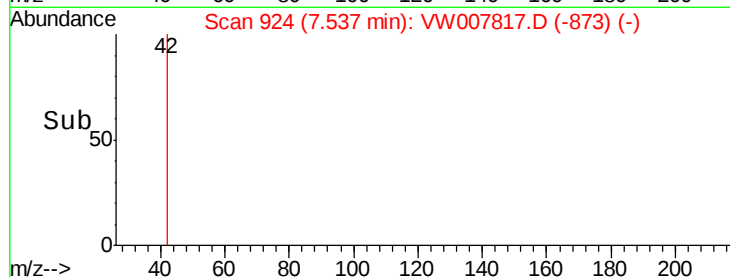
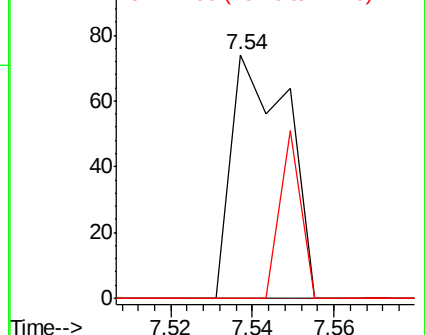
42 100

72 0.0 41.7 62.5#

71 26.8 39.0 58.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007817.D

Acq: 22 Dec 2018 01:02

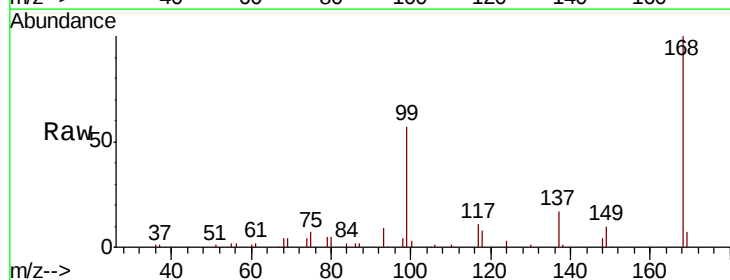
Tgt Ion: 56 Resp: 857

Ion Ratio Lower Upper

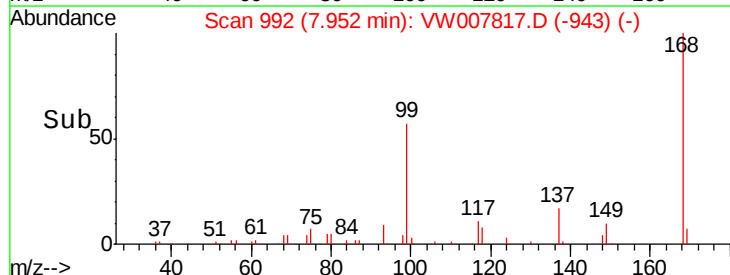
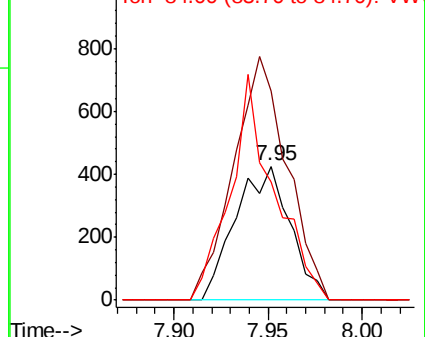
56 100

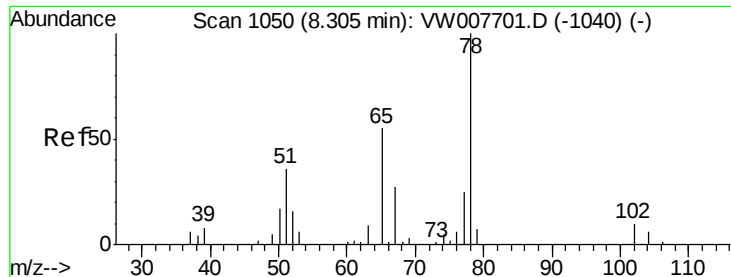
69 156.0 29.7 44.5#

84 88.5 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

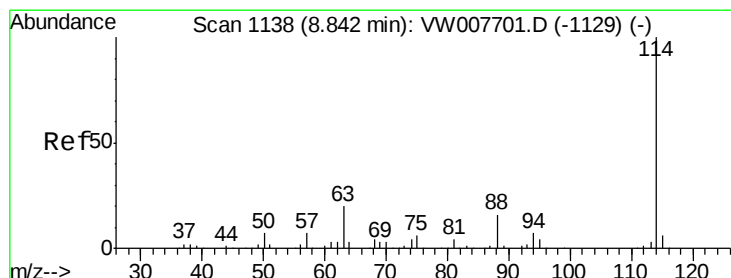
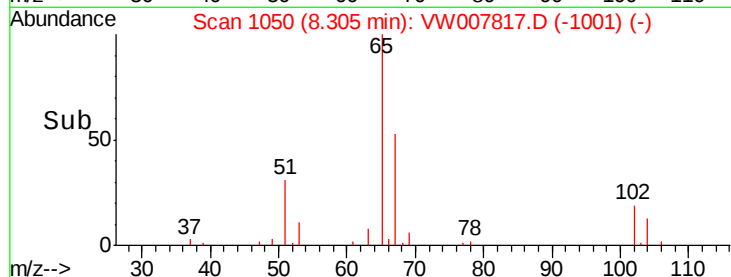
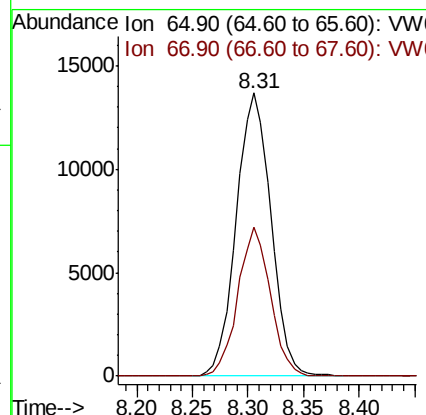
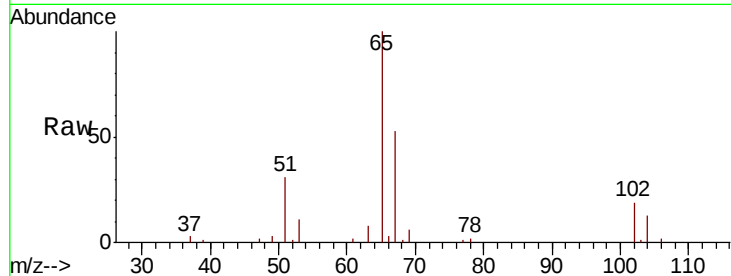




#33
 1,2-Dichloroethane-d4
 Concen: 66.772 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

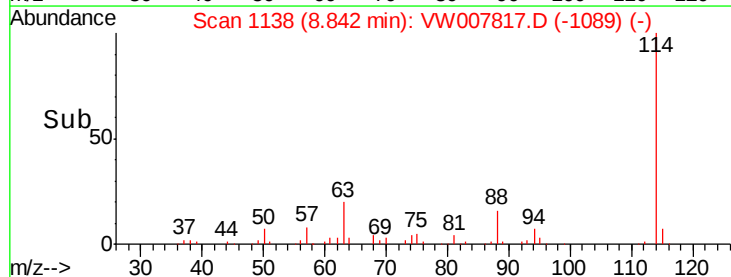
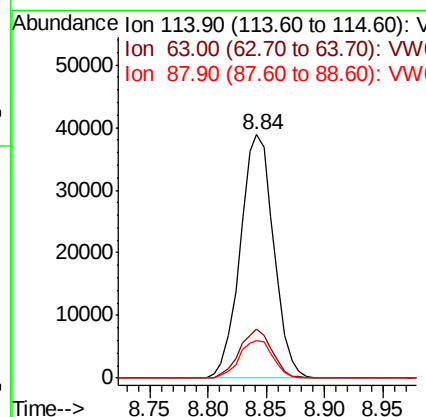
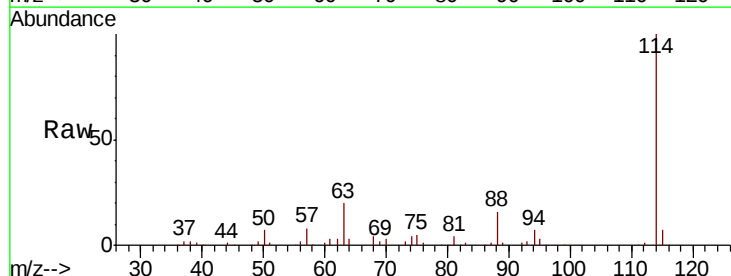
Instrument :
 MSVOA_W
 ClientSampleId :

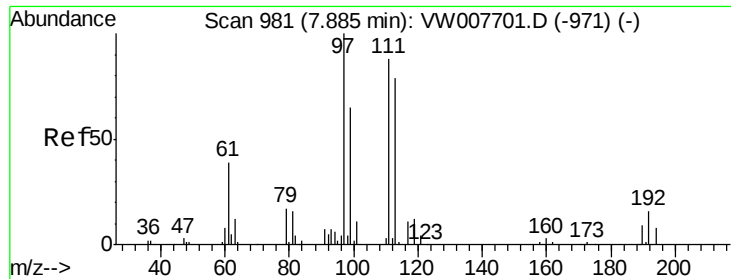
Tot Ion: 65 Resp: 29583
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Tgt Ion: 114 Resp: 77723
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 15.5 0.0 32.6

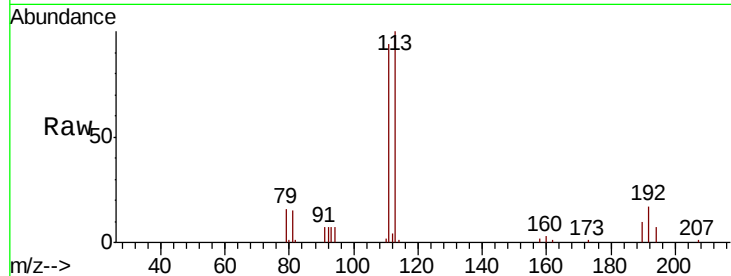




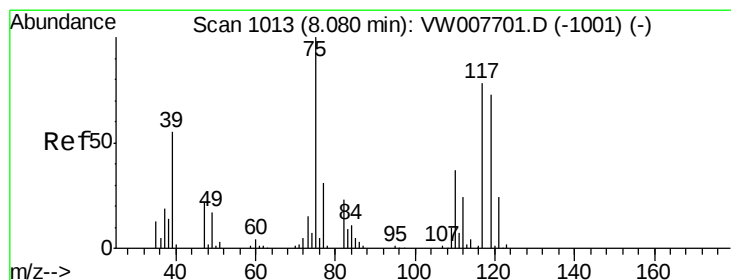
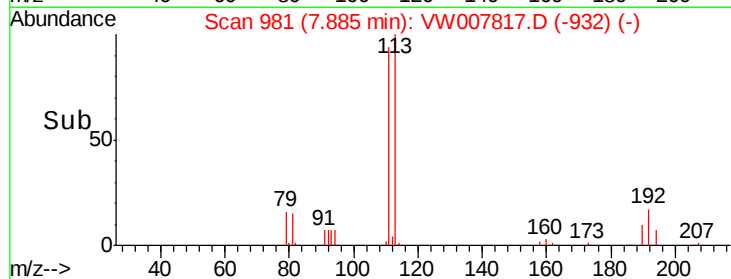
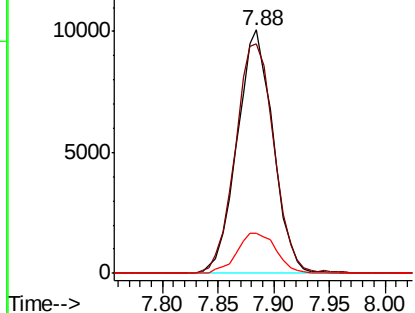
#35
 Dibromofluoromethane
 Concen: 47.580 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 22560
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 17.9 15.5 23.3

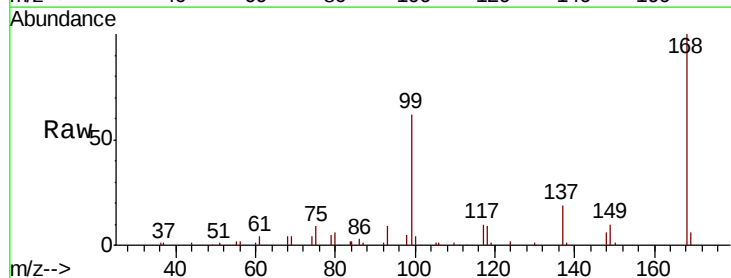


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

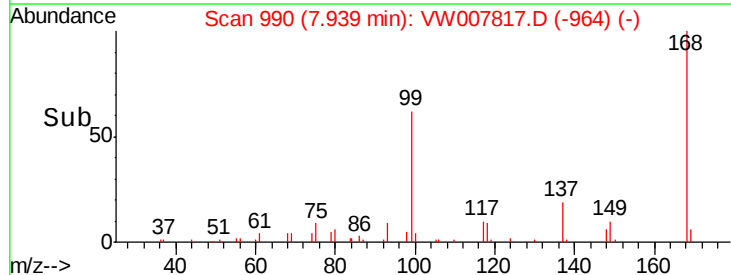
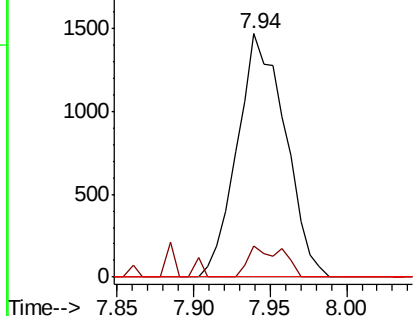


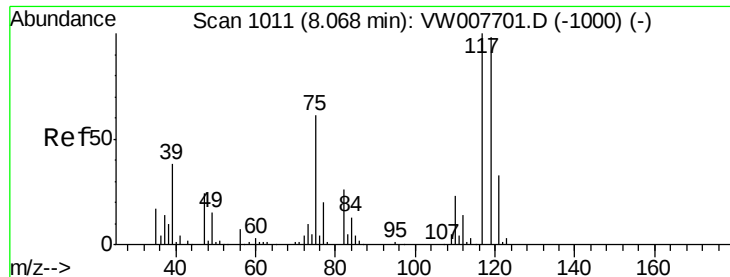
#36
 1,1-Dichloropropene
 Concen: 4.270 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Tgt Ion: 75 Resp: 3203
 Ion Ratio Lower Upper
 75 100
 110 9.0 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

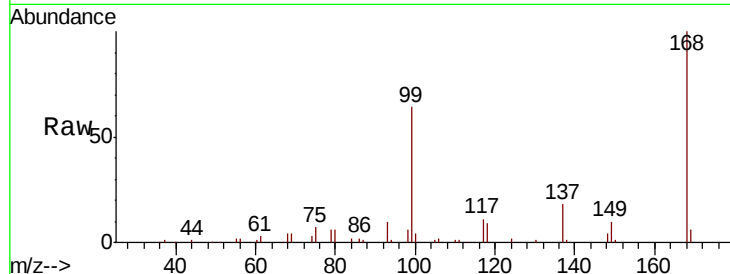




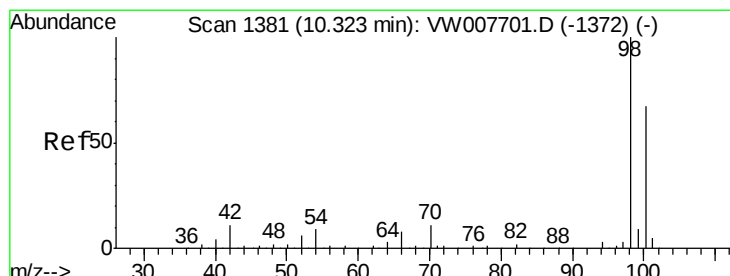
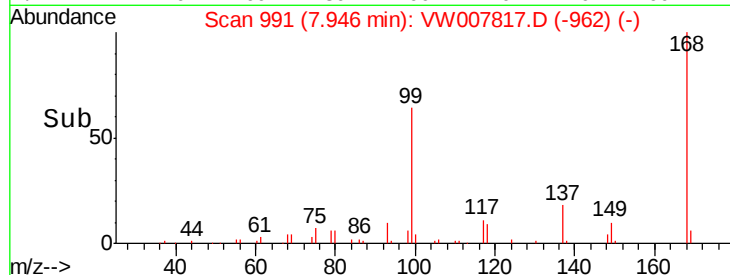
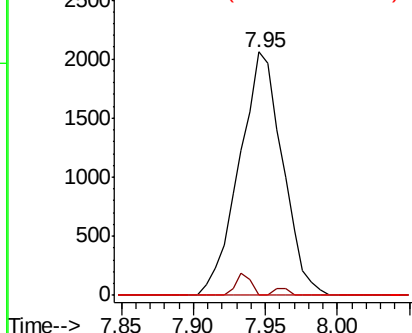
#38
Carbon Tetrachloride
Concen: 4.851 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 4286
Ion Ratio Lower Upper
117 100
119 0.0 78.2 117.2#
121 0.0 26.1 39.1#

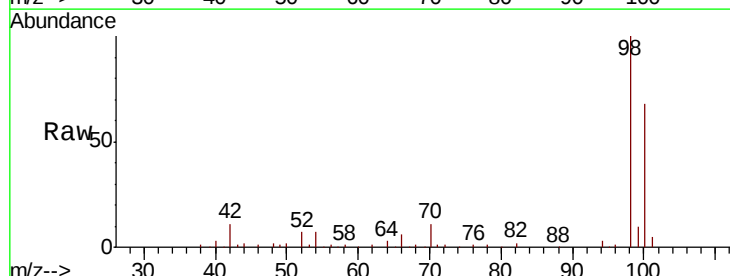


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

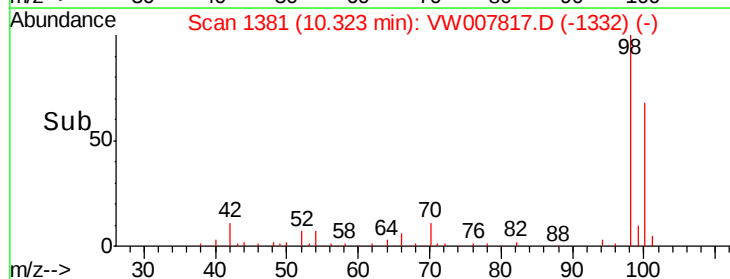
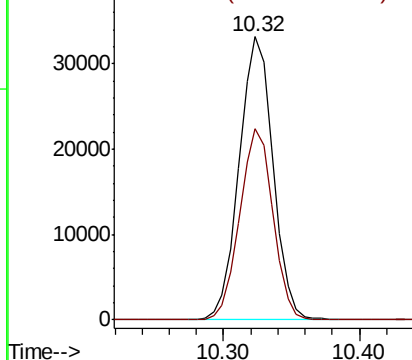


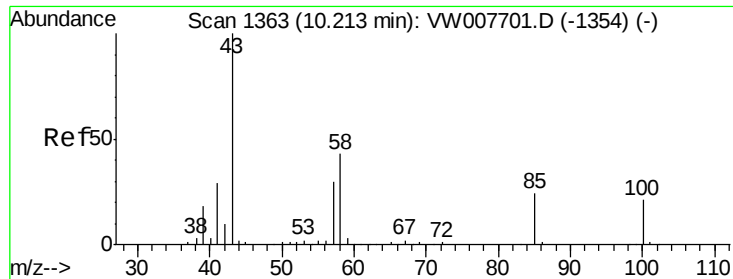
#50
Toluene-d8
Concen: 32.235 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

Tgt Ion: 98 Resp: 57619
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.979 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007817.D

Acq: 22 Dec 2018 01:02

Instrument :

MSVOA_W

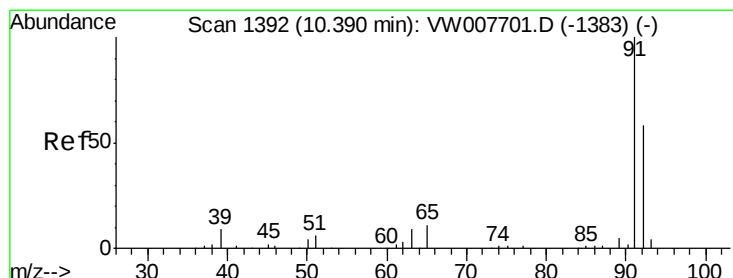
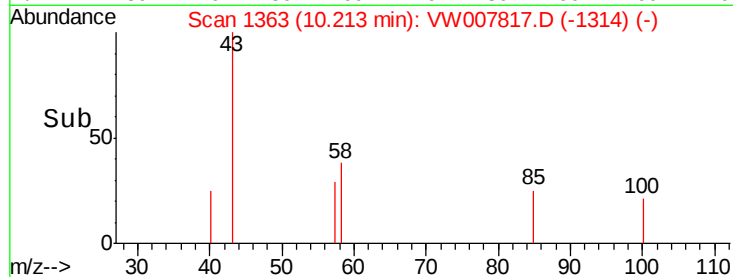
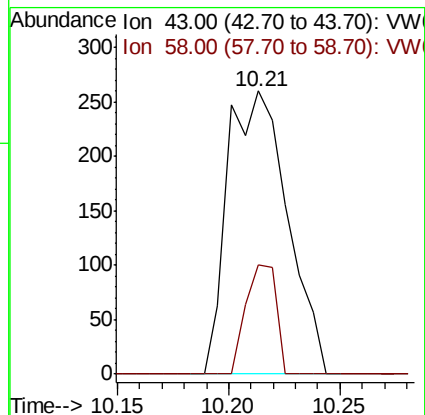
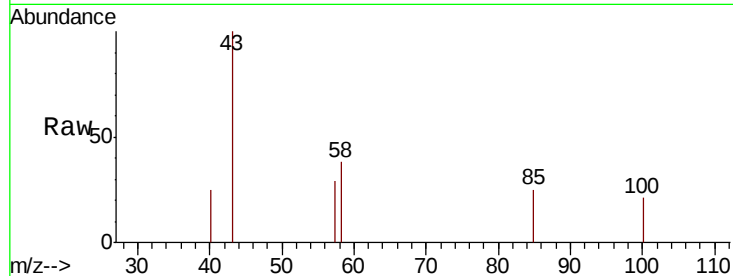
ClientSampleId :

Tot Ion: 43 Resp: 485

Ion Ratio Lower Upper

43 100

58 19.8 33.2 49.8#



#52

Toluene

Concen: 1.357 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007817.D

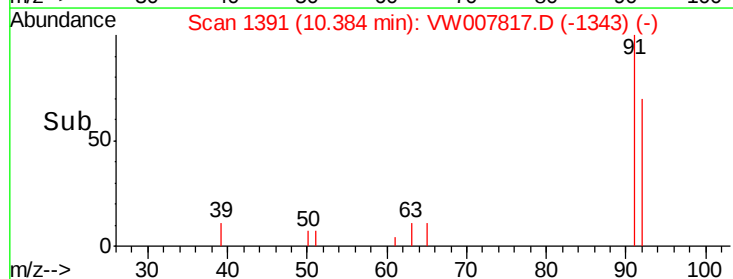
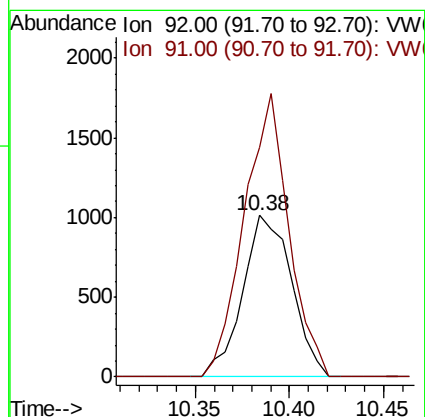
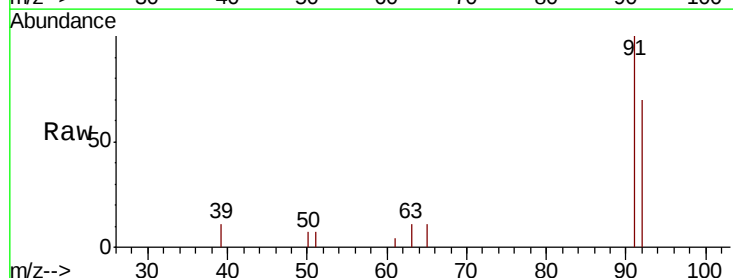
Acq: 22 Dec 2018 01:02

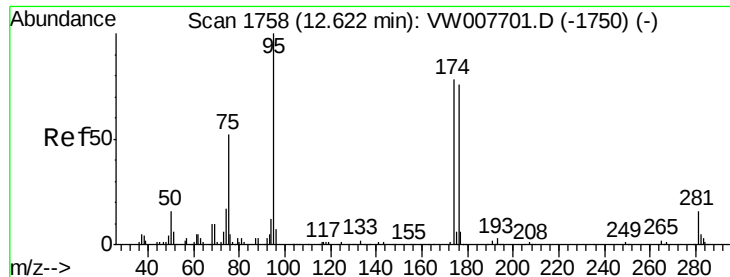
Tgt Ion: 92 Resp: 1822

Ion Ratio Lower Upper

92 100

91 160.1 137.0 205.4





#62

4-Bromofluorobenzene

Concen: 23.712 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007817.D

Acq: 22 Dec 2018 01:02

Instrument :

MSVOA_W

ClientSampleId :

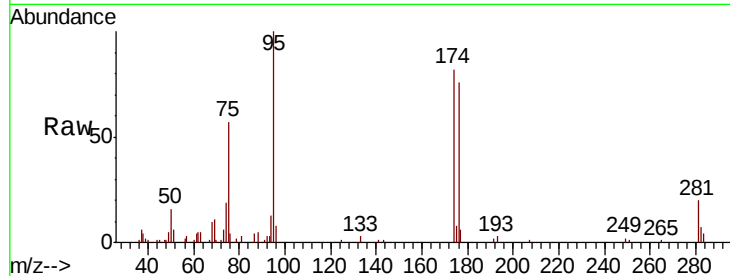
Tot Ion: 95 Resp: 16374

Ion Ratio Lower Upper

95 100

174 76.8 0.0 152.2

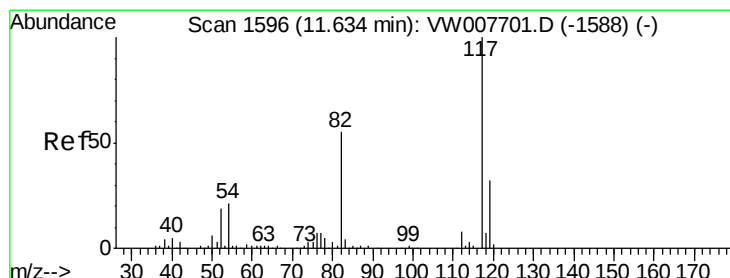
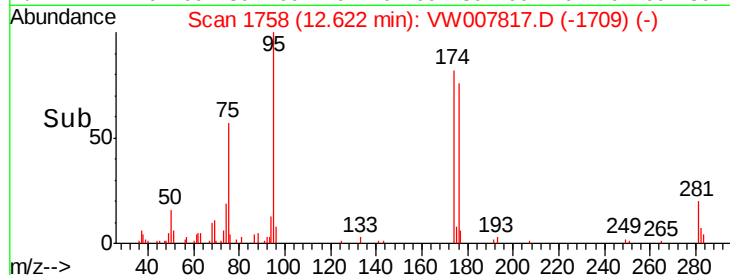
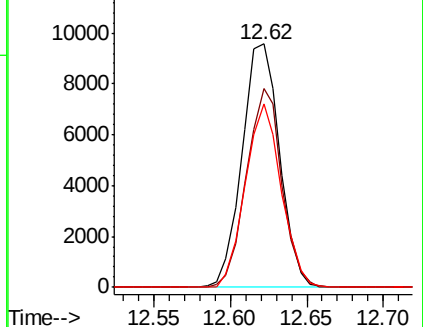
176 71.9 0.0 146.8



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: VW007817.D

Acq: 22 Dec 2018 01:02

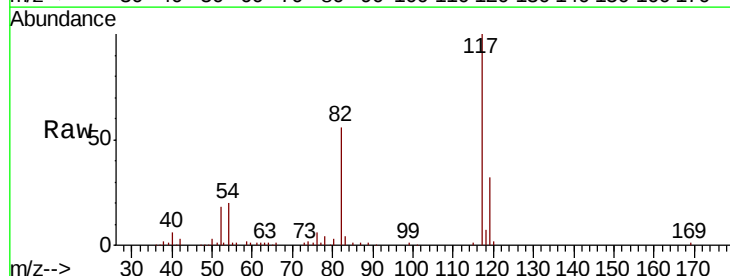
Tgt Ion: 117 Resp: 52957

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

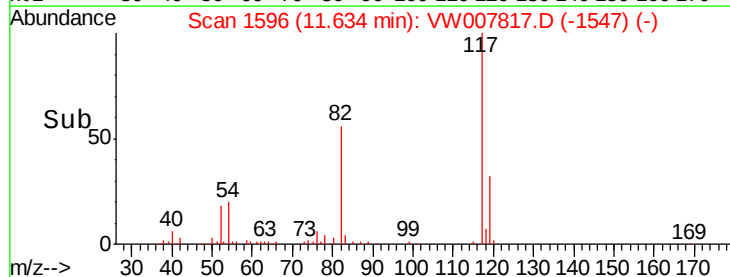
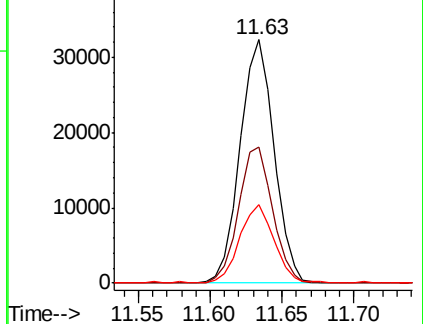
119 32.1 25.7 38.5

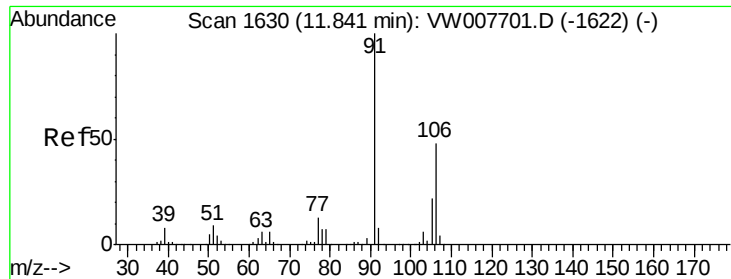


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

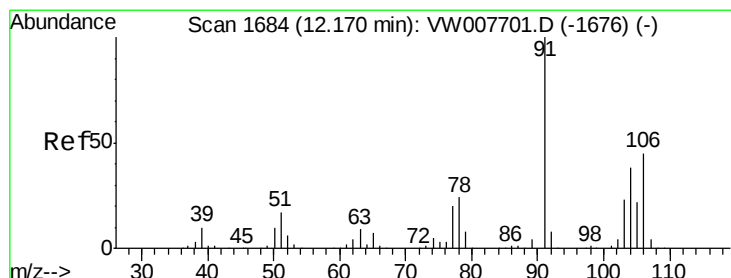
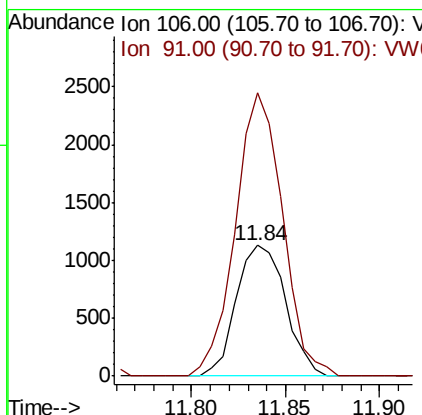
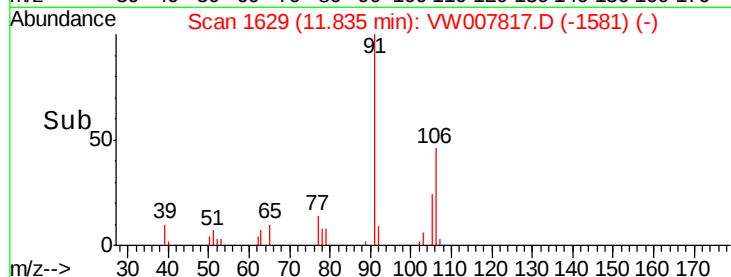
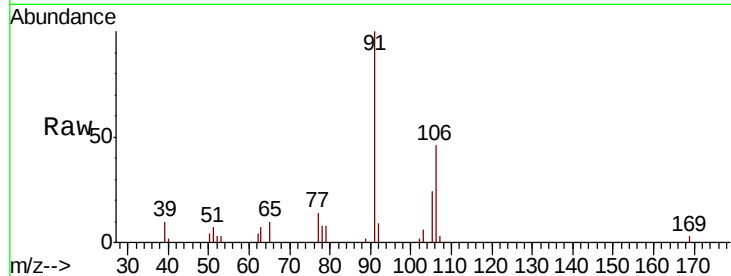




#68
m/p-Xylenes
Concen: 2.675 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

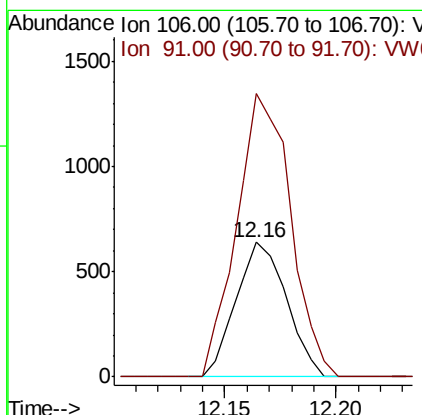
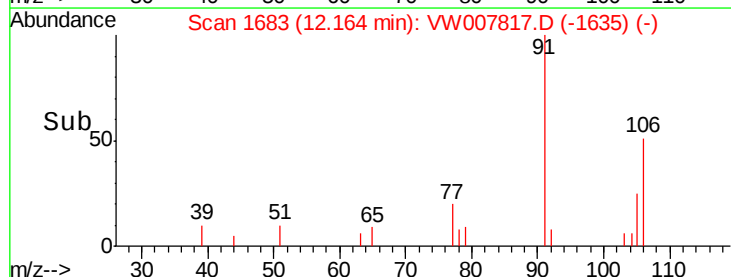
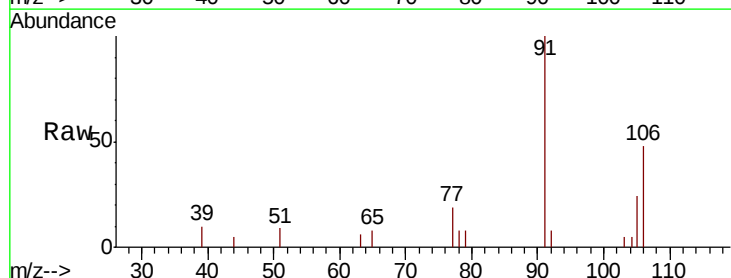
Instrument :
MSVOA_W
ClientSampled :

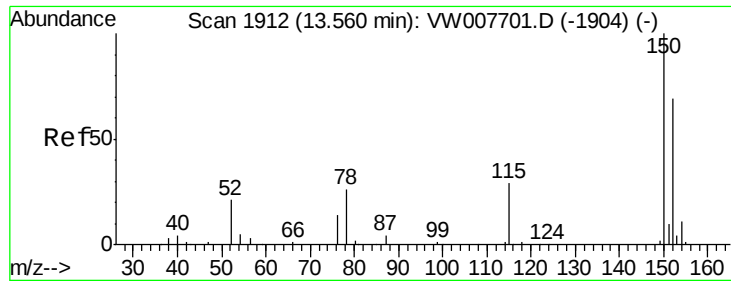
Tot Ion:106 Resp: 2041
Ion Ratio Lower Upper
106 100
91 208.1 165.2 247.8



#69
o-Xylene
Concen: 1.408 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

Tgt Ion:106 Resp: 1007
Ion Ratio Lower Upper
106 100
91 224.9 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007817.D

Acq: 22 Dec 2018 01:02

Instrument :

MSVOA_W

ClientSampleId :

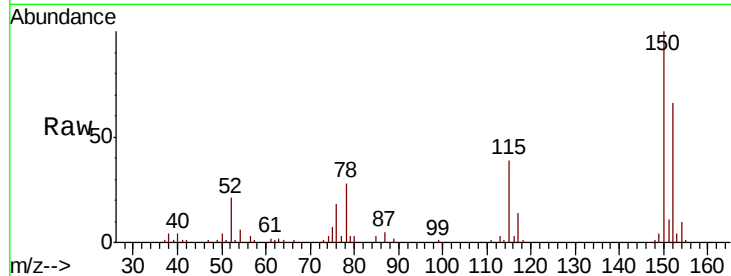
Tot Ion:152 Resp: 14484

Ion Ratio Lower Upper

152 100

115 61.2 31.8 95.4

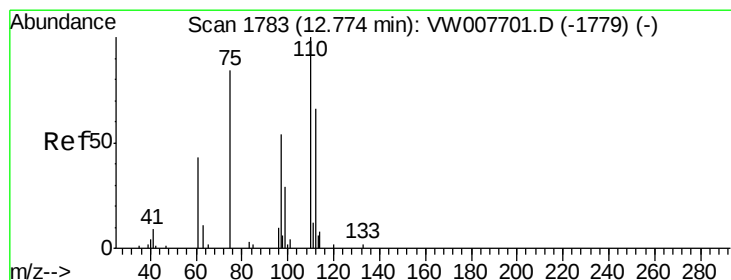
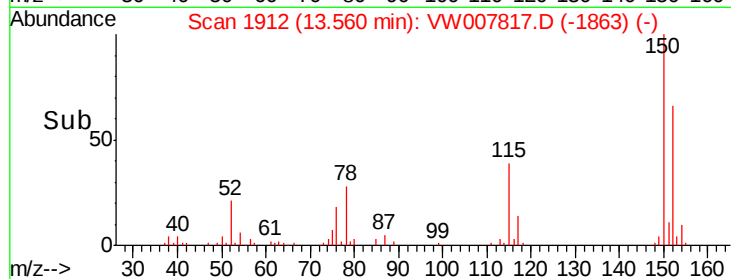
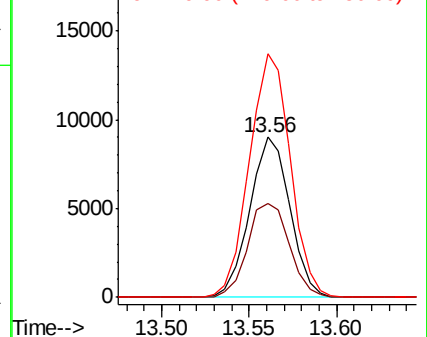
150 154.6 0.0 350.8



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: 75.035 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007817.D

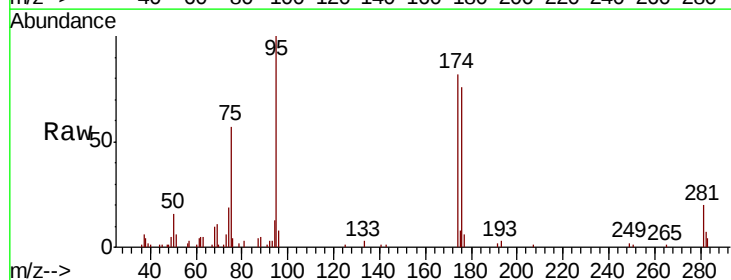
Acq: 22 Dec 2018 01:02

Tgt Ion: 75 Resp: 8400

Ion Ratio Lower Upper

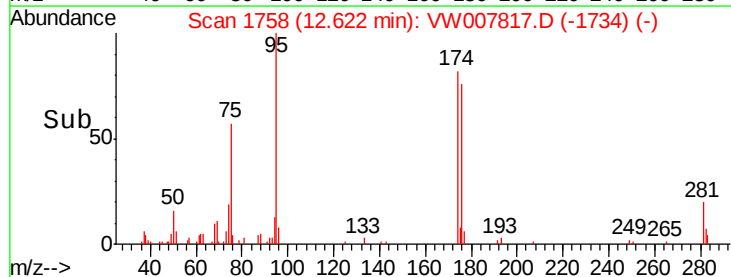
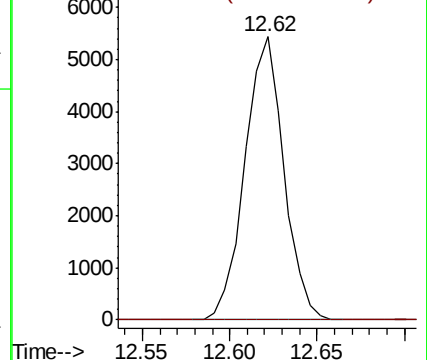
75 100

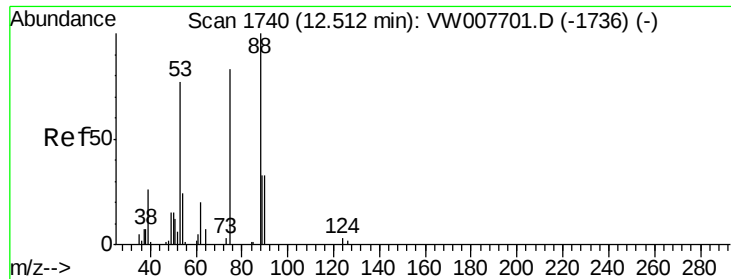
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

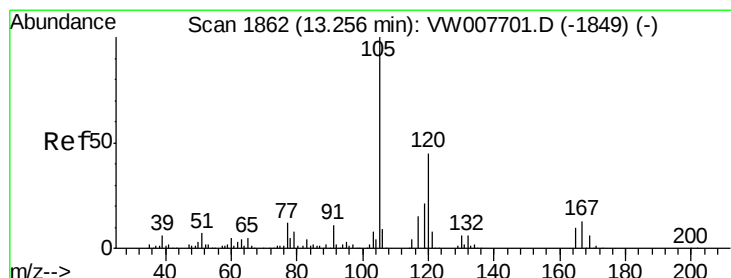
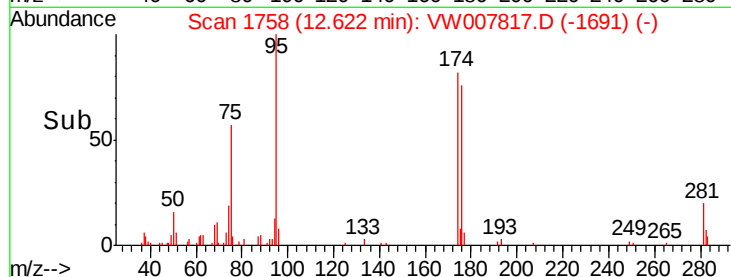
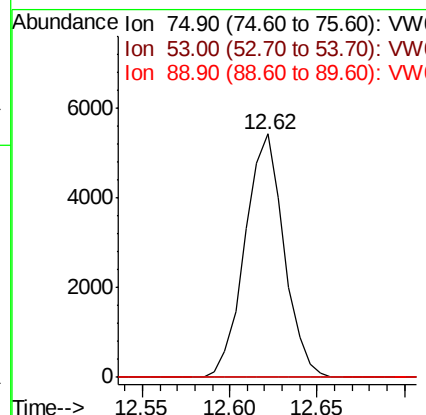
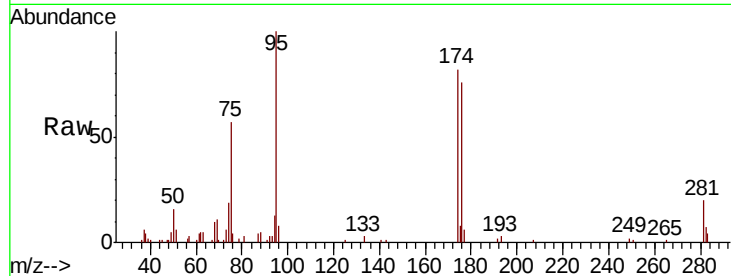




#81
trans-1,4-Dichloro-2-butene
Concen: 157.504 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

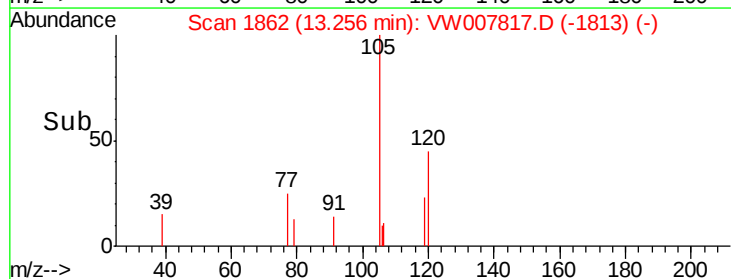
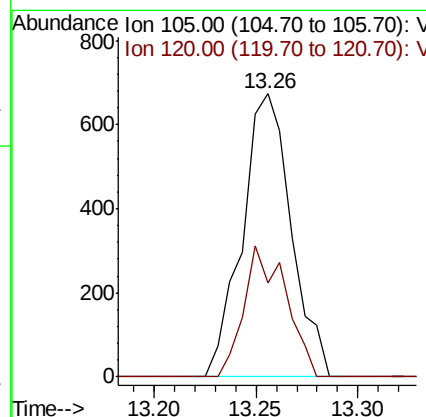
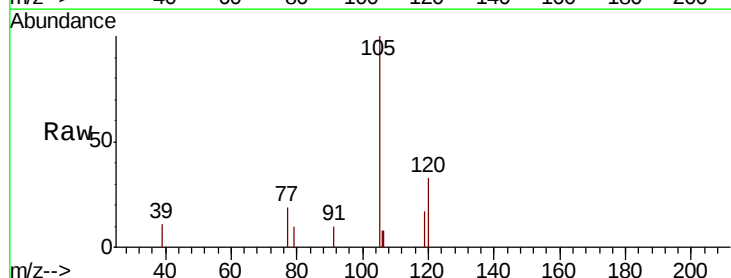
Instrument :
MSVOA_W
ClientSampleId :

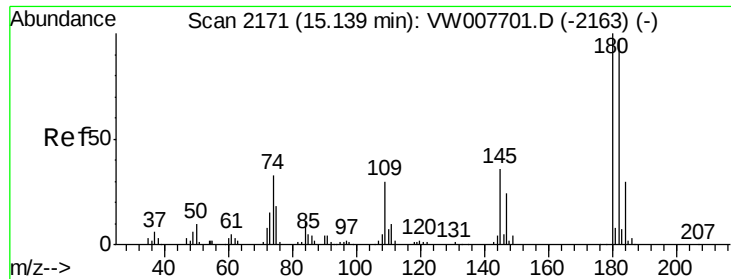
Tot Ion: 75 Resp: 8400
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.182 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007817.D
Acq: 22 Dec 2018 01:02

Tgt Ion: 105 Resp: 1126
Ion Ratio Lower Upper
105 100
120 39.4 22.0 66.0

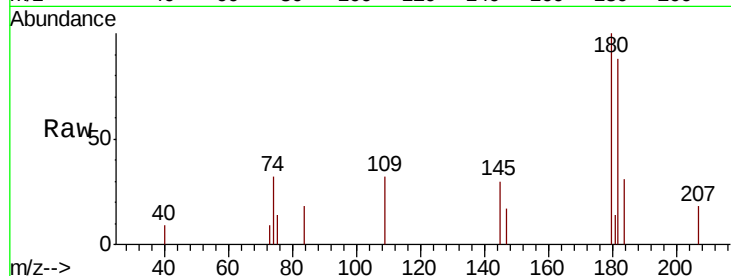




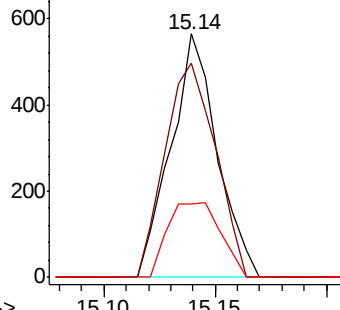
#93
 1,2,4-Trichlorobenzene
 Concen: 2.632 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Instrument :
 MSVOA_W
 ClientSampleId :

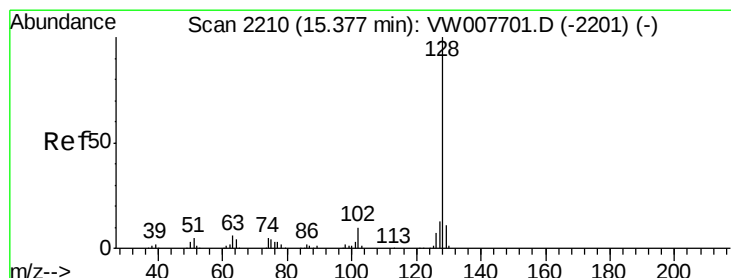
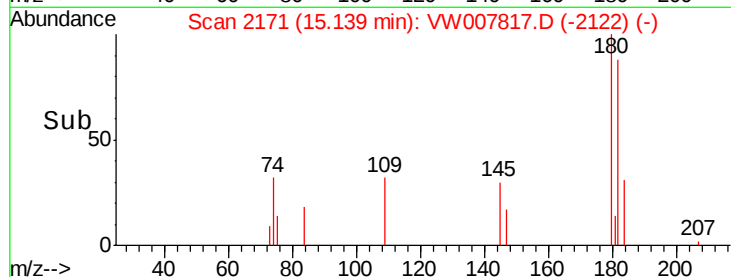
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	35.2	17.5	52.5



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

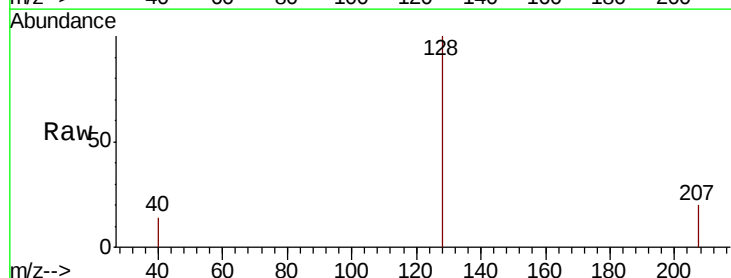


Time-->

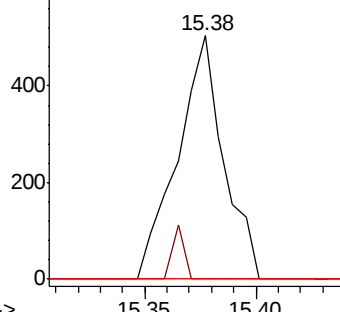


#95
 Naphthalene
 Concen: 1.268 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007817.D
 Acq: 22 Dec 2018 01:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.7	16.1#
129	0.0	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



Time-->

