

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008856.D
 Acq On : 27 Feb 2019 15:55
 Operator : SY/VA
 Sample : K1620-05RE
 Misc : 5.73G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:02:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220403	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	195250	58.55	ug/l	0.00
Spiked Amount			Recovery	=	117.10%	
35) Dibromofluoromethane	7.88	113	165512	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.32	98	647612	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	221647	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

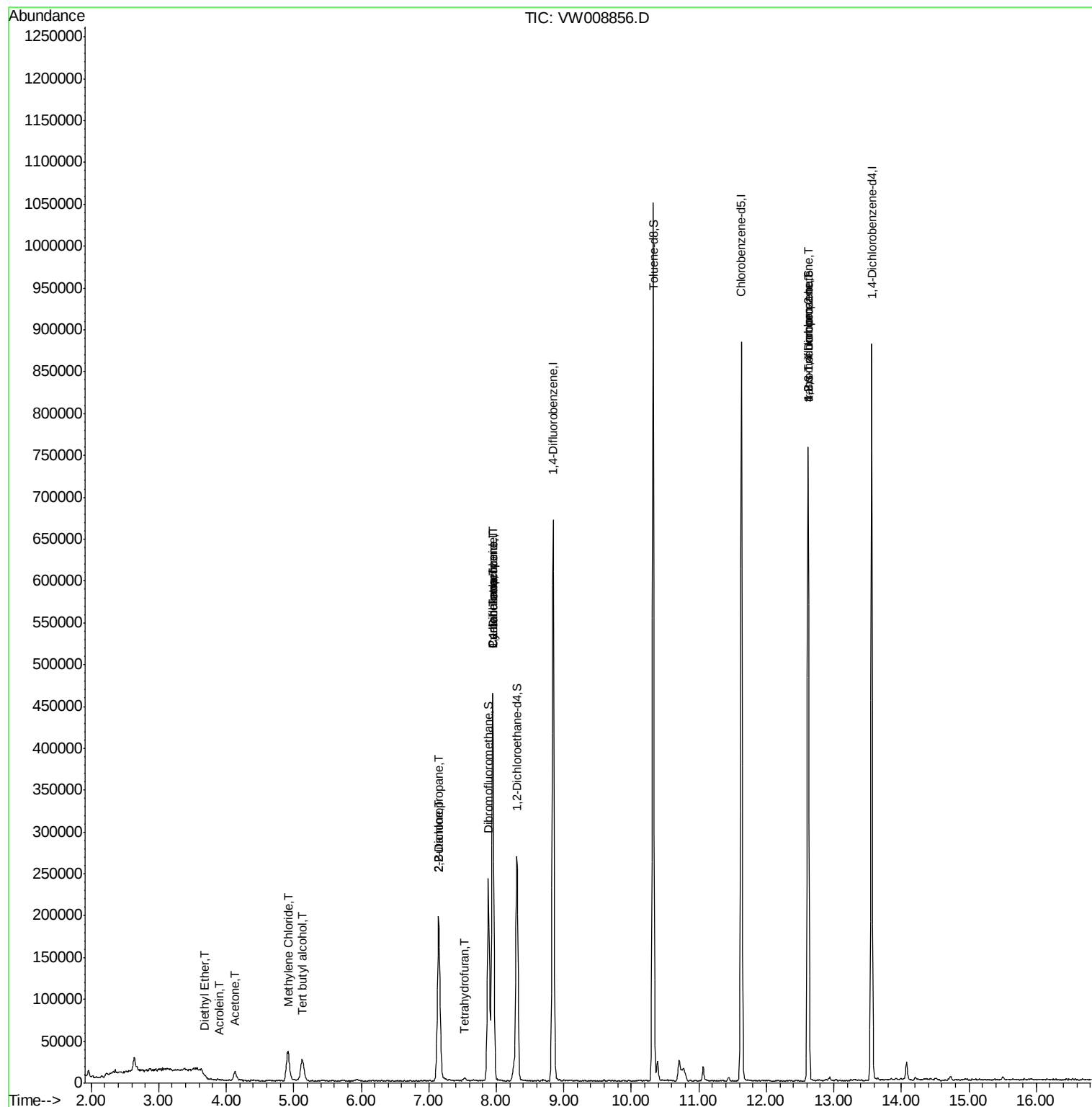
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2032	1.106	ug/l	64
11) Tert butyl alcohol	5.12	59	23150	77.973	ug/l #	74
13) Acrolein	3.90	56	29	19.865	ug/l #	14
16) Acetone	4.14	43	19303	24.971	ug/l	100
20) Methylene Chloride	4.92	84	26943	2.190	ug/l	92
25) 2-Butanone	7.14	43	11110	10.280	ug/l #	72
26) 2,2-Dichloropropane	7.14	77	13614	2.414	ug/l #	54
29) Tetrahydrofuran	7.53	42	2019	2.932	ug/l #	64
31) Cyclohexane	7.95	56	8136	1.294	ug/l #	45
36) 1,1-Dichloropropene	7.95	75	26372	4.941	ug/l #	49
38) Carbon Tetrachloride	7.95	117	34290	6.091	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	115559	63.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	115559	154.382	ug/l #	6

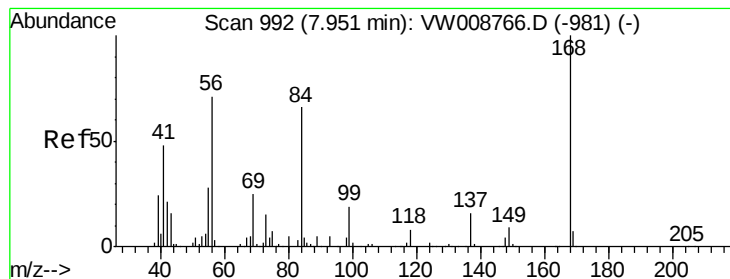
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Instrument :

MSVOA_W

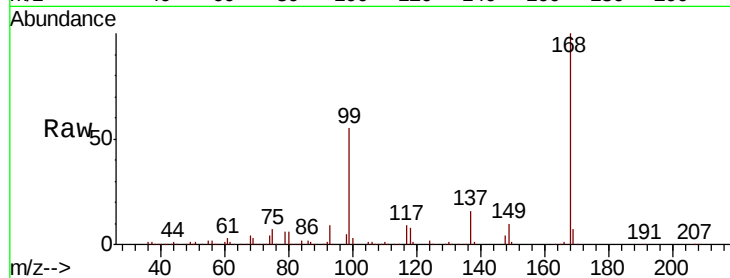
ClientSampleId :

Tot Ion:168 Resp: 355568

Ion Ratio Lower Upper

168 100

99 55.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

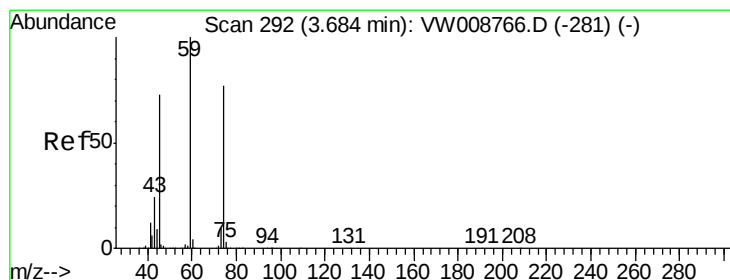
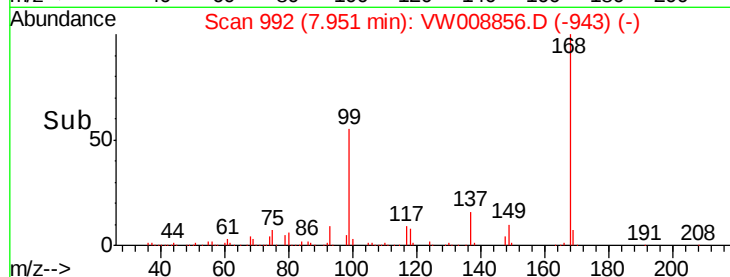
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.106 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW008856.D

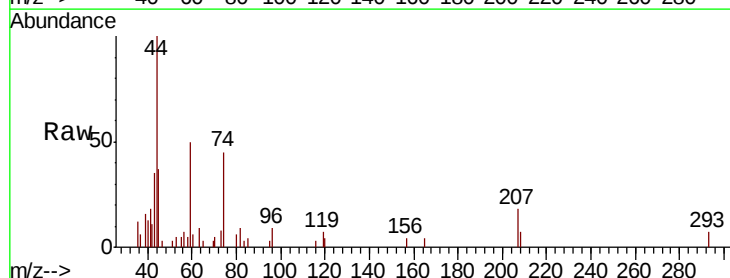
Acq: 27 Feb 2019 15:55

Tgt Ion: 74 Resp: 2032

Ion Ratio Lower Upper

74 100

45 137.0 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

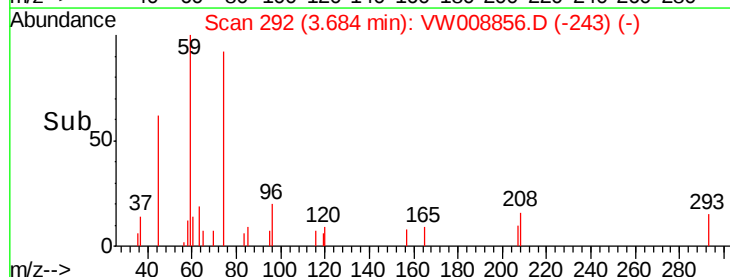
600

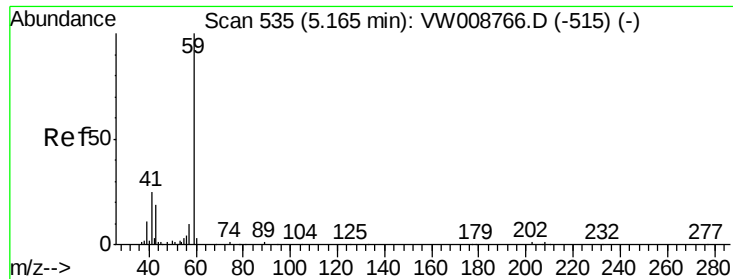
400

200

0

Time--> 3.60 3.65 3.70 3.75



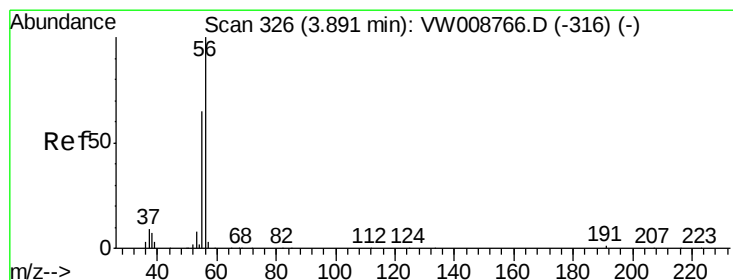
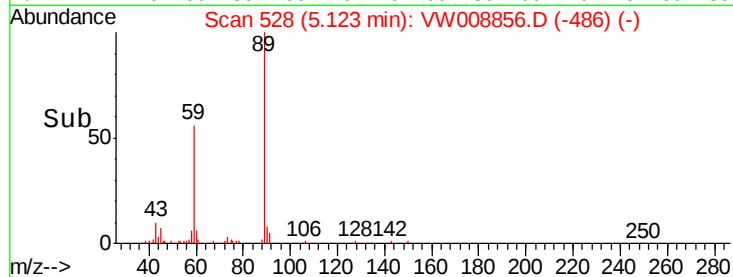
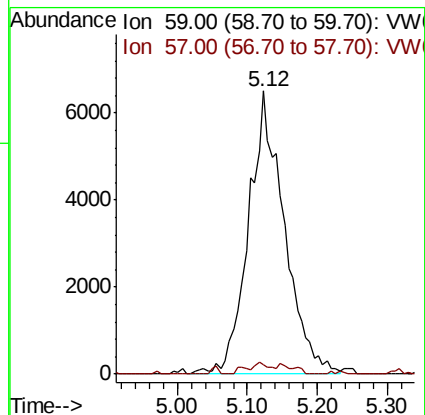
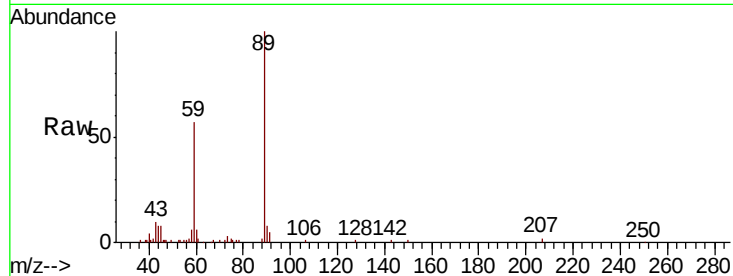


#11

Tert butyl alcohol
 Concen: 77.973 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW008856.D
 Acq: 27 Feb 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :

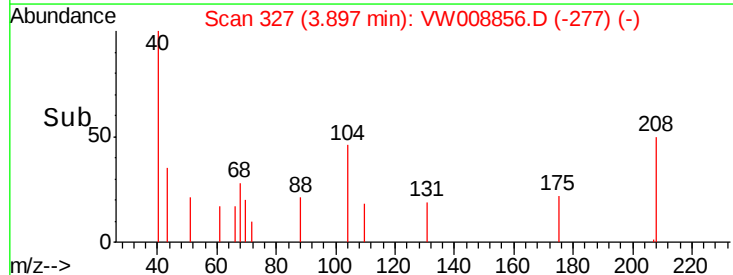
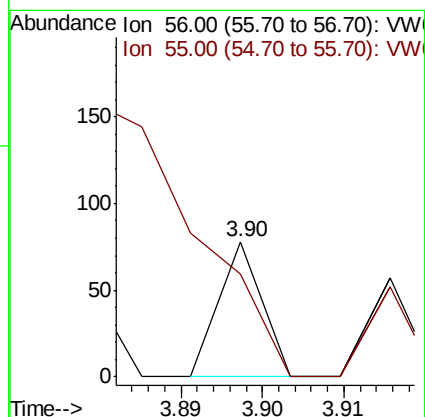
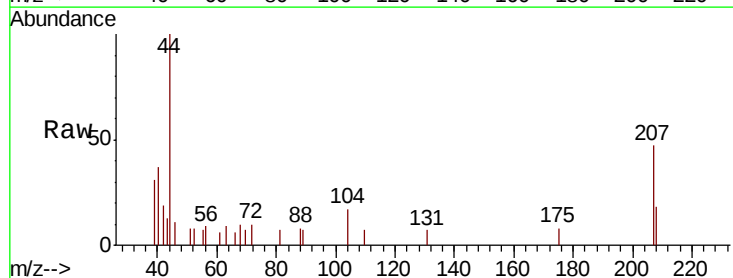
Tot Ion: 59 Resp: 23150
 Ion Ratio Lower Upper
 59 100
 57 1.8 9.3 13.9#

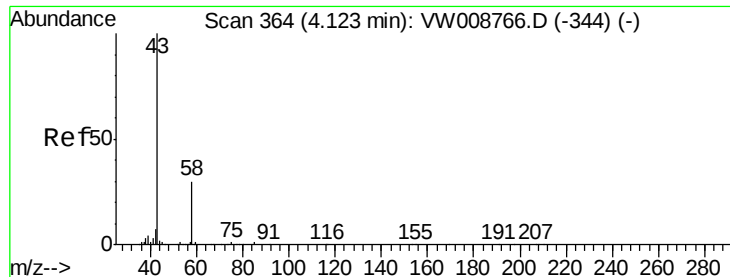


#13

Acrolein
 Concen: 19.865 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW008856.D
 Acq: 27 Feb 2019 15:55

Tgt Ion: 56 Resp: 29
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 24.971 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Instrument :

MSVOA_W

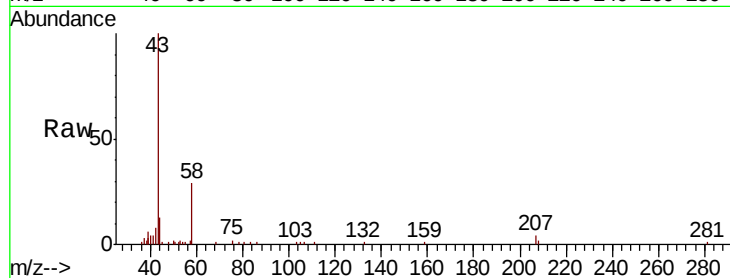
ClientSampleId :

Tot Ion: 43 Resp: 19303

Ion Ratio Lower Upper

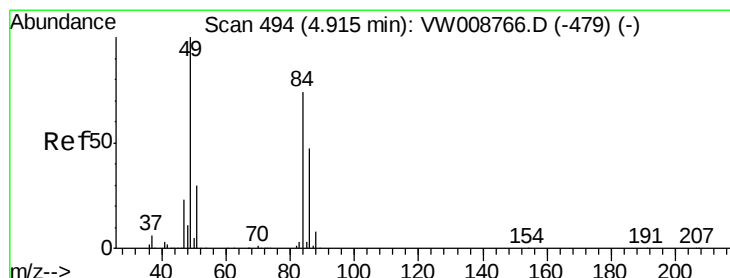
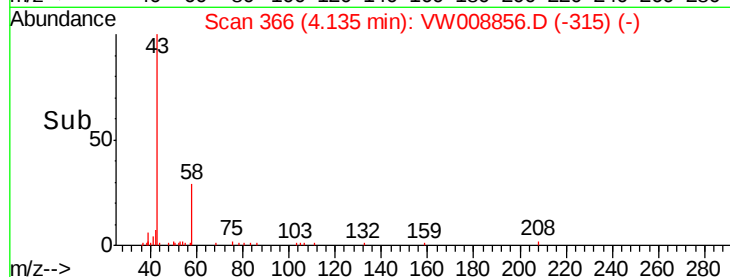
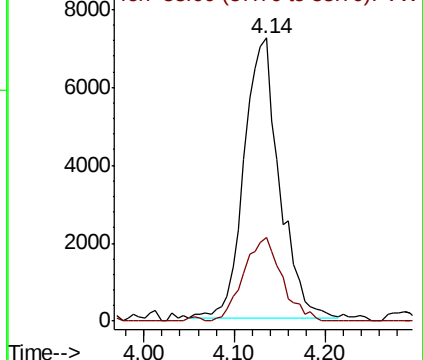
43 100

58 29.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.190 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Tgt Ion: 84 Resp: 26943

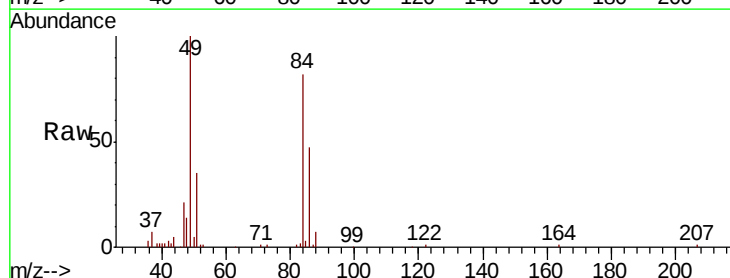
Ion Ratio Lower Upper

84 100

49 122.5 108.2 162.2

51 43.3 32.7 49.1

86 57.6 50.3 75.5

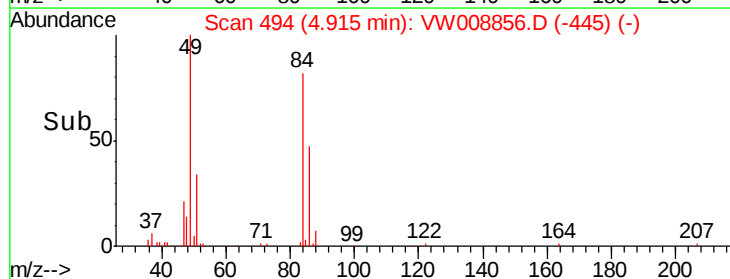
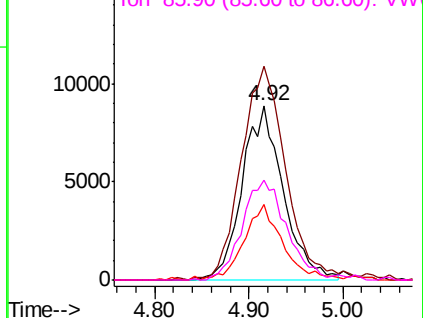


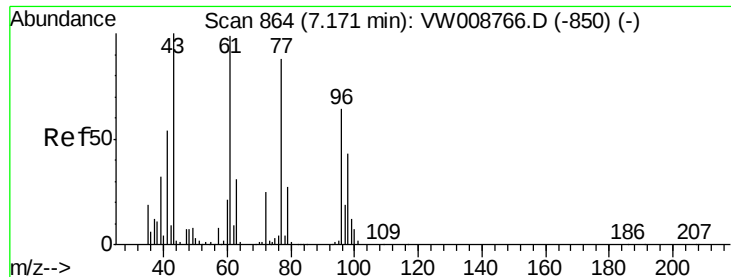
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

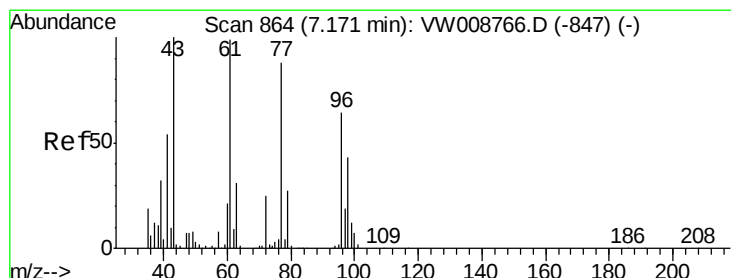
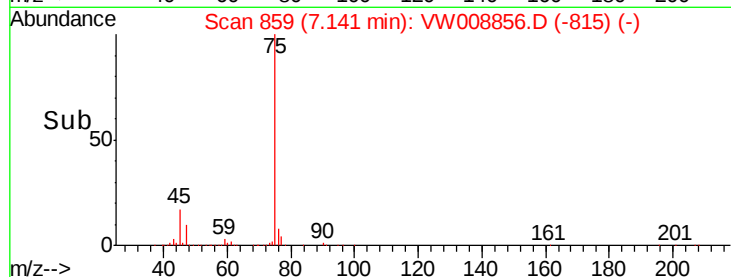
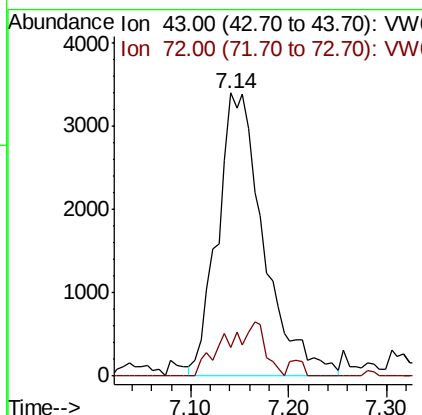
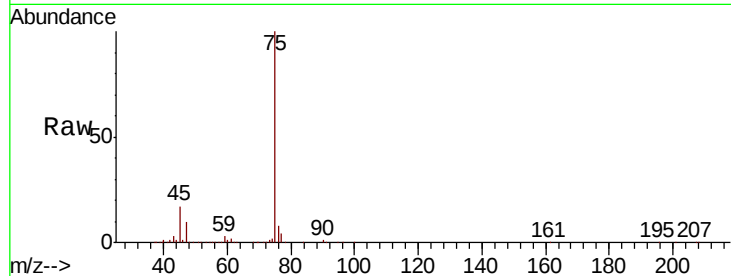




#25
2-Butanone
Concen: 10.280 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

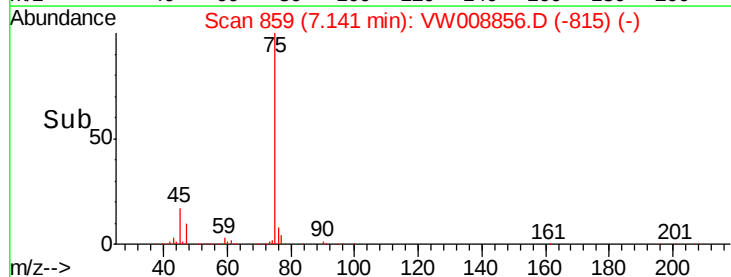
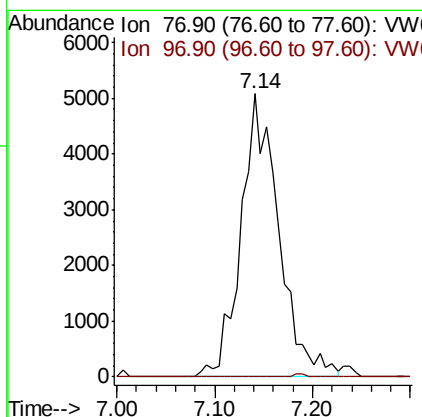
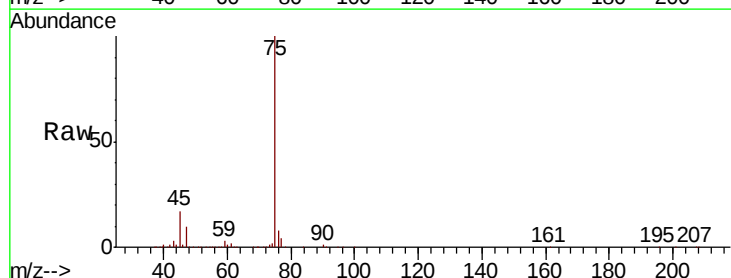
Instrument :
MSVOA_W
ClientSampleId :

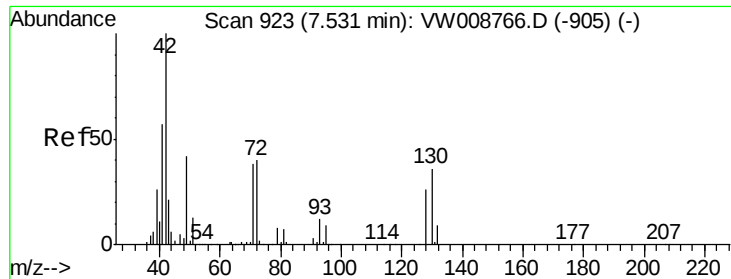
Tot Ion: 43 Resp: 11110
Ion Ratio Lower Upper
43 100
72 10.5 19.7 29.5#



#26
2,2-Dichloropropane
Concen: 2.414 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

Tgt Ion: 77 Resp: 13614
Ion Ratio Lower Upper
77 100
97 0.0 11.0 33.0#

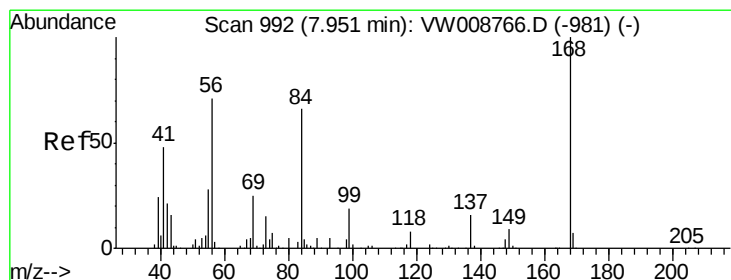
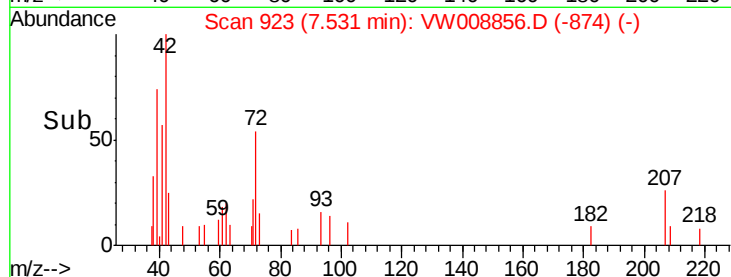
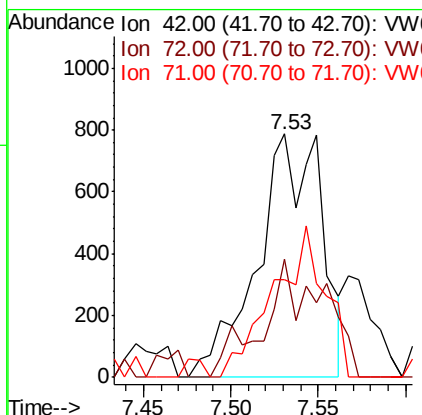
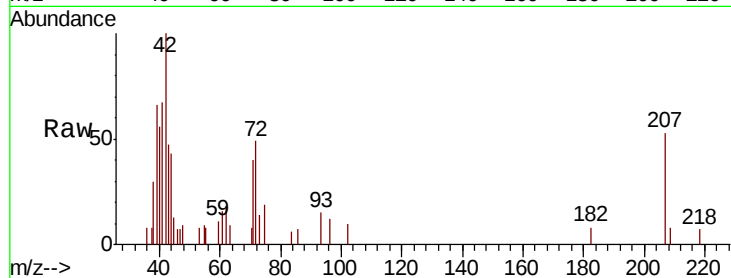




#29
Tetrahydrofuran
Concen: 2.932 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

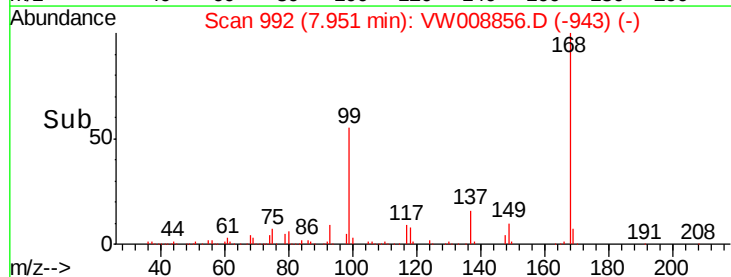
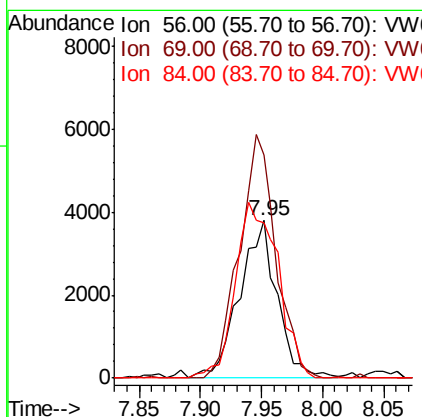
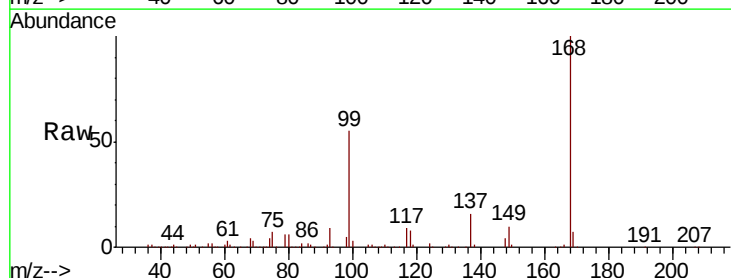
Instrument :
MSVOA_W
ClientSampled :

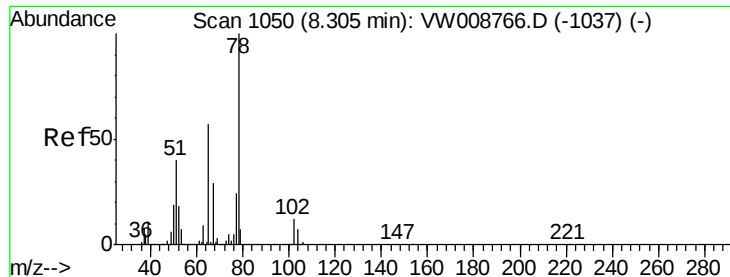
Tot Ion: 42 Resp: 2019
Ion Ratio Lower Upper
42 100
72 8.0 32.7 49.1#
71 50.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

Tgt Ion: 56 Resp: 8136
Ion Ratio Lower Upper
56 100
69 141.4 28.2 42.4#
84 98.6 74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 58.547 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Instrument :

MSVOA_W

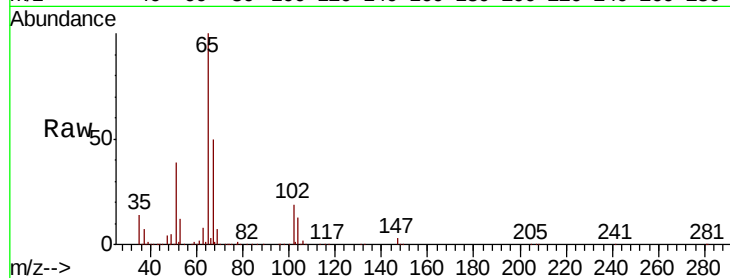
ClientSampleId :

Tot Ion: 65 Resp: 195250

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

100000

80000

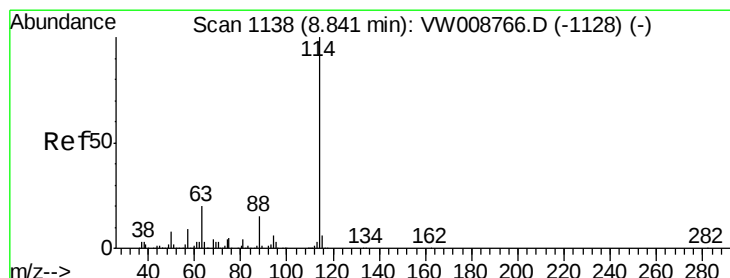
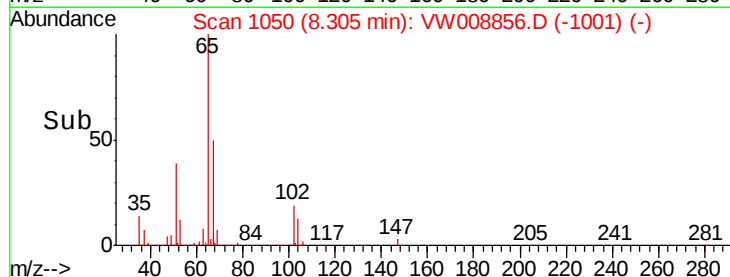
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

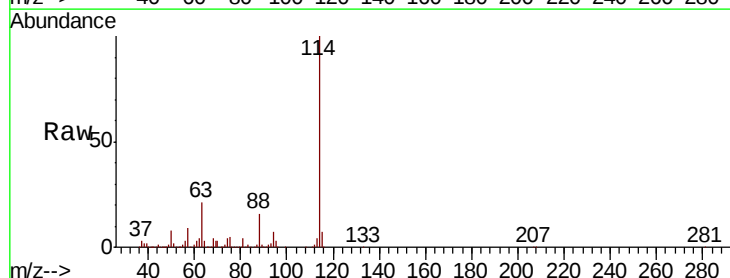
Tgt Ion: 114 Resp: 548347

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 15.6 0.0 30.4



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

8.84

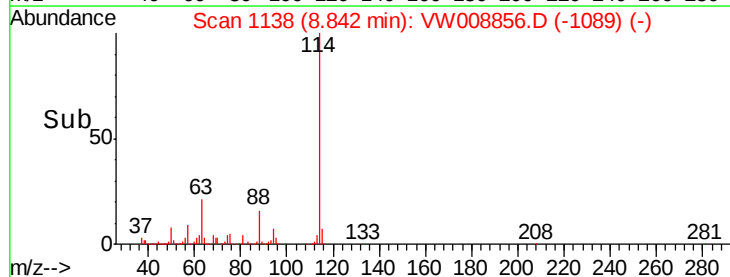
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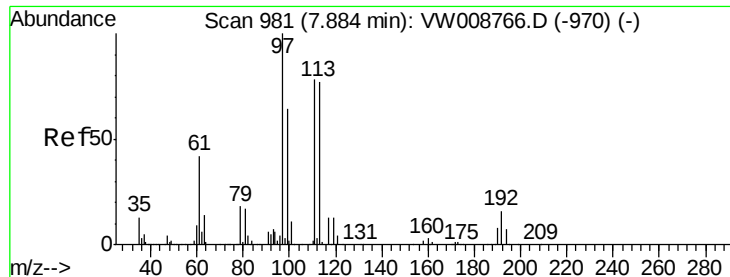
200000

100000

0

Time-->

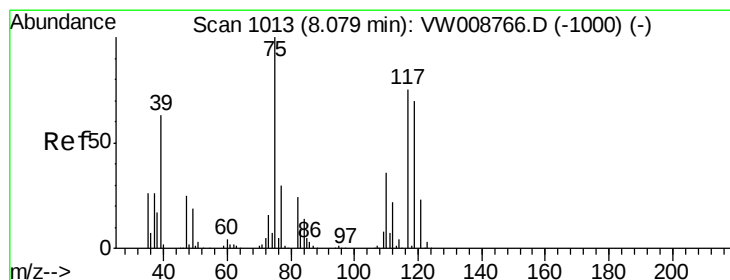
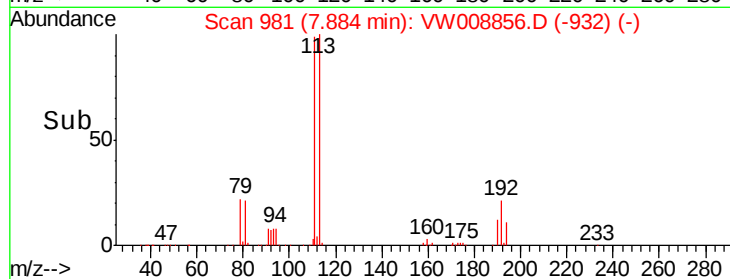
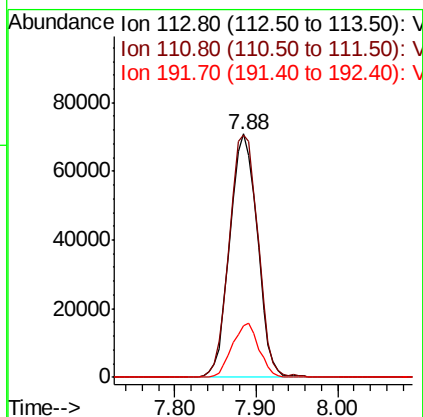
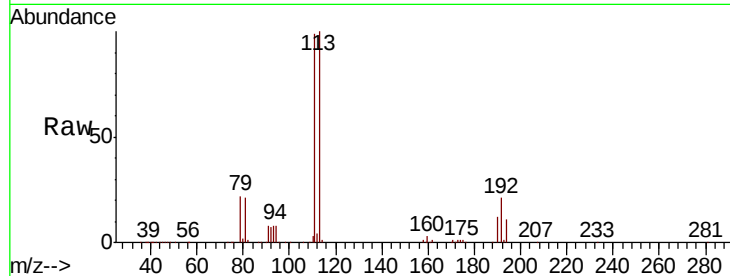




#35
 Dibromofluoromethane
 Concen: 50.272 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008856.D
 Acq: 27 Feb 2019 15:55

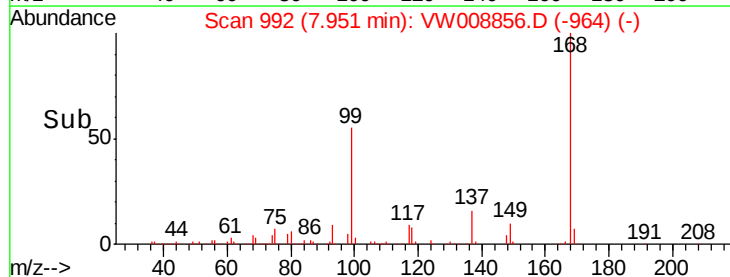
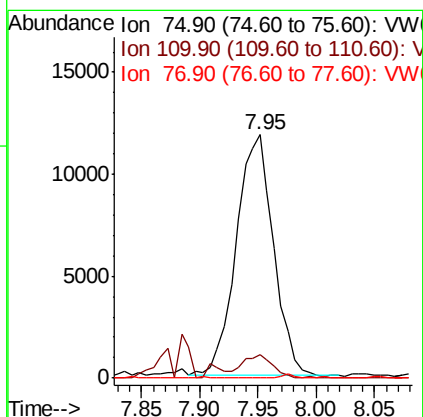
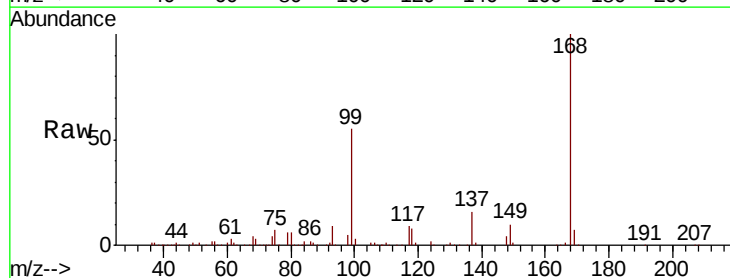
Instrument :
 MSVOA_W
 ClientSampleId :

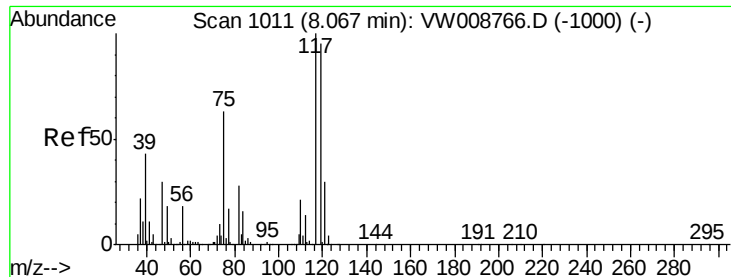
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	21.6	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008856.D
 Acq: 27 Feb 2019 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.5	52.6#
77	0.0	24.5	36.7#

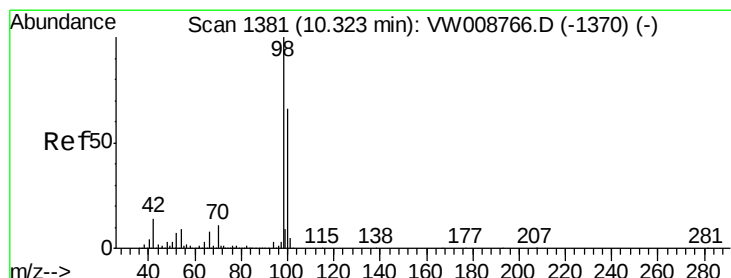
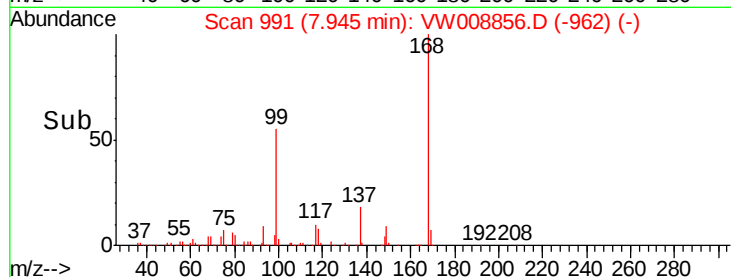
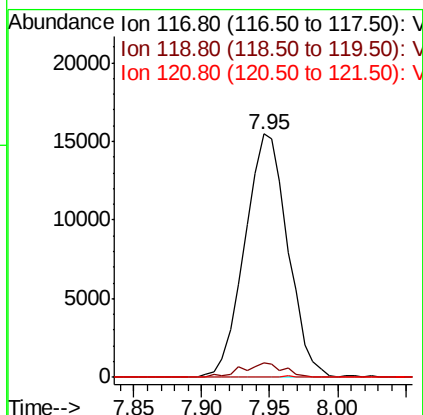
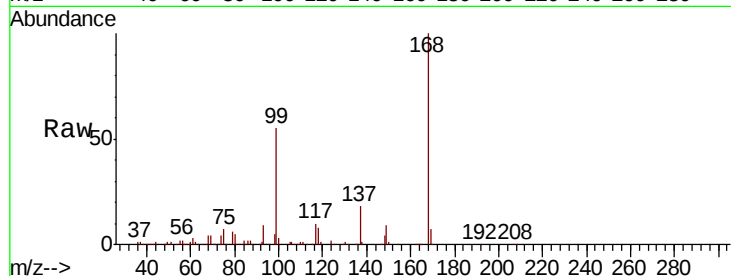




#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

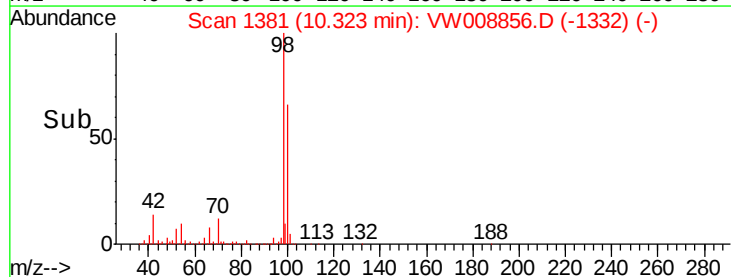
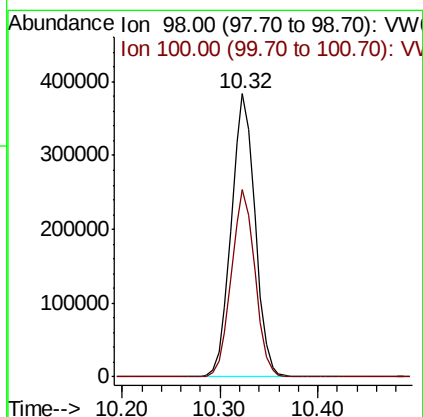
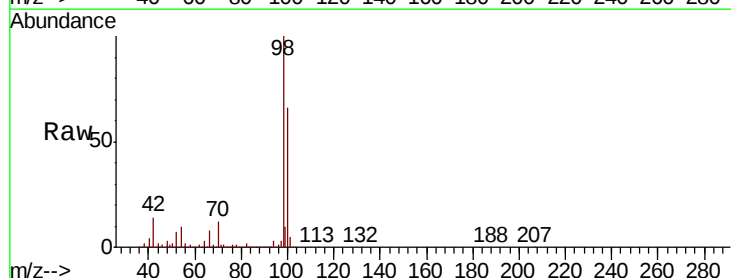
Instrument :
MSVOA_W
ClientSampleId :

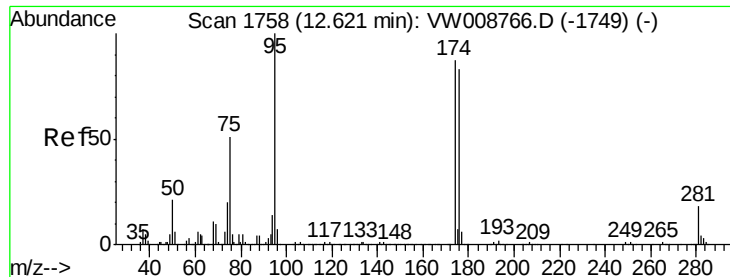
Tot Ion:117 Resp: 34290
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.955 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

Tgt Ion: 98 Resp: 647612
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

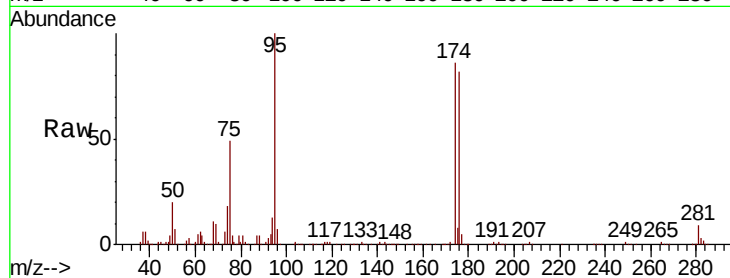




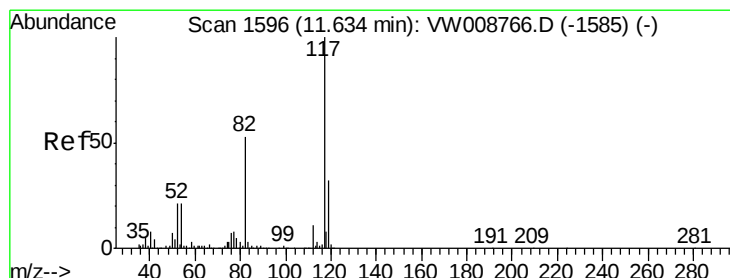
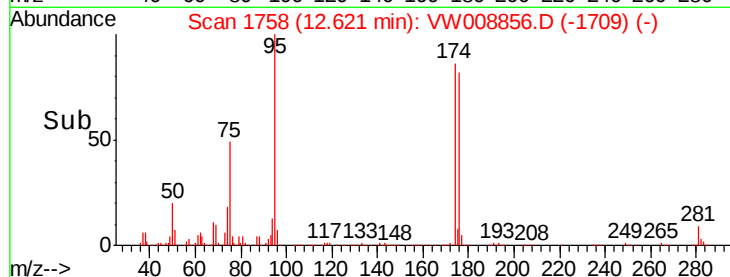
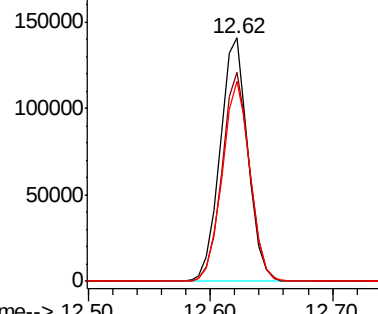
#62
4-Bromofluorobenzene
Concen: 44.541 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 95 Resp: 221647
Ion Ratio Lower Upper
95 100
174 85.5 0.0 169.2
176 82.4 0.0 163.6

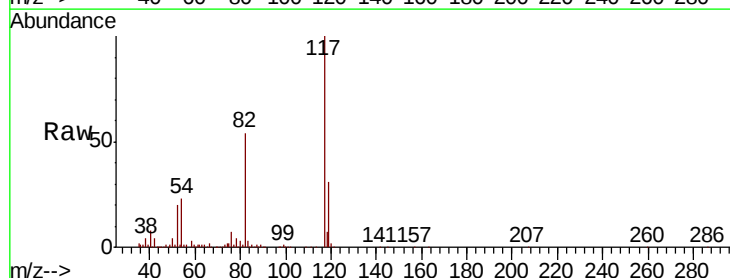


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

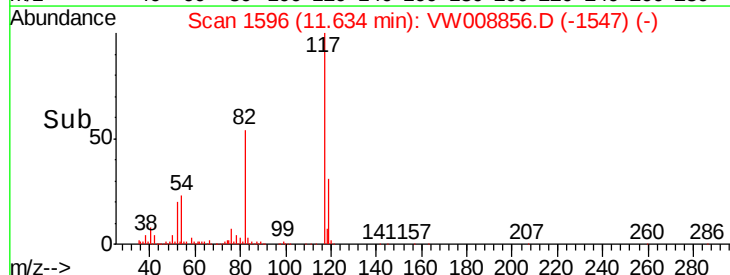
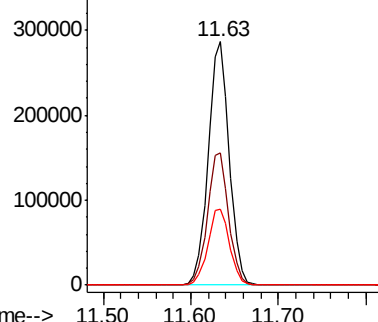


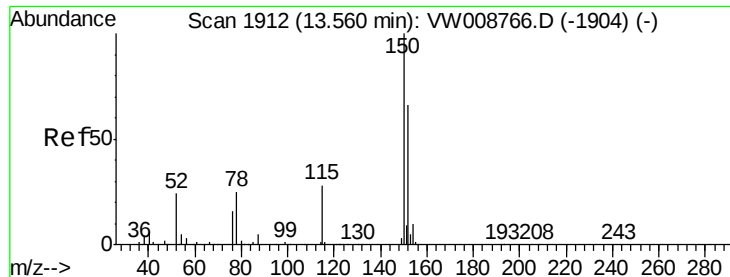
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008856.D
Acq: 27 Feb 2019 15:55

Tgt Ion: 117 Resp: 480240
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 31.2 25.9 38.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

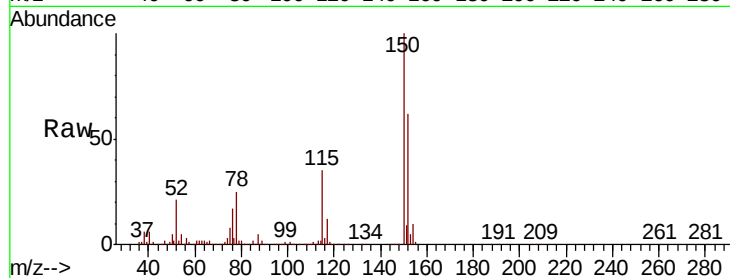
Tot Ion:152 Resp: 220403

Ion Ratio Lower Upper

152 100

115 57.8 28.6 85.8

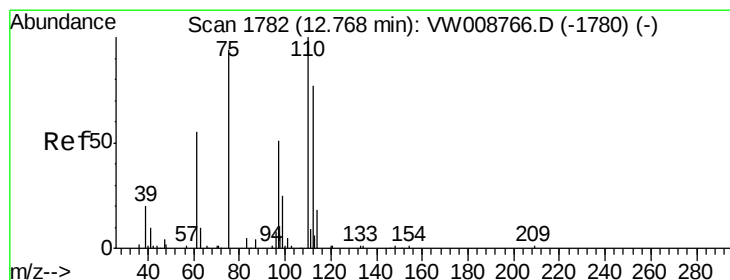
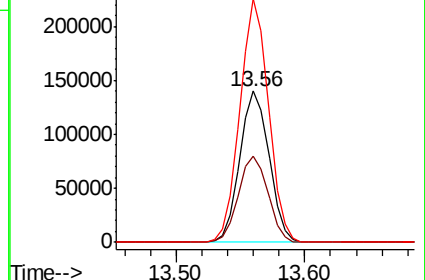
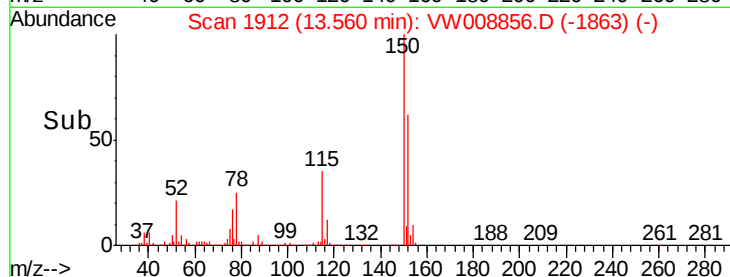
150 157.3 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 63.504 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008856.D

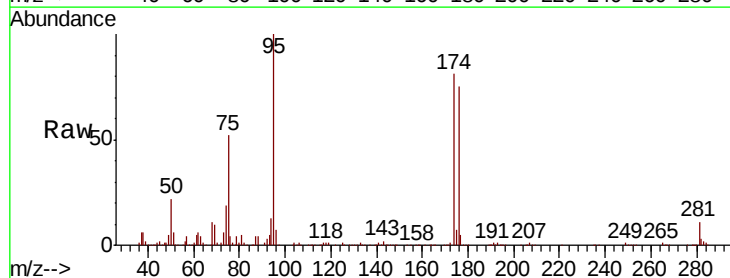
Acq: 27 Feb 2019 15:55

Tgt Ion: 75 Resp: 115559

Ion Ratio Lower Upper

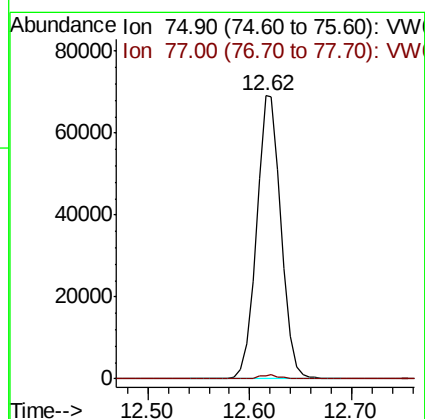
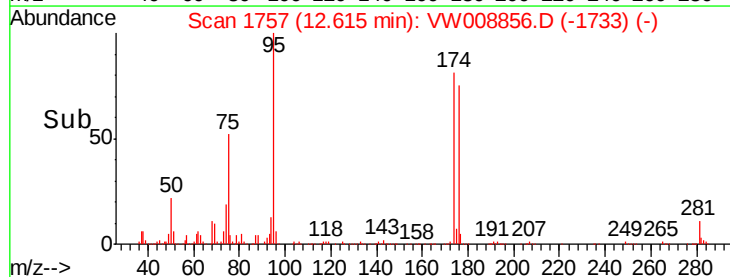
75 100

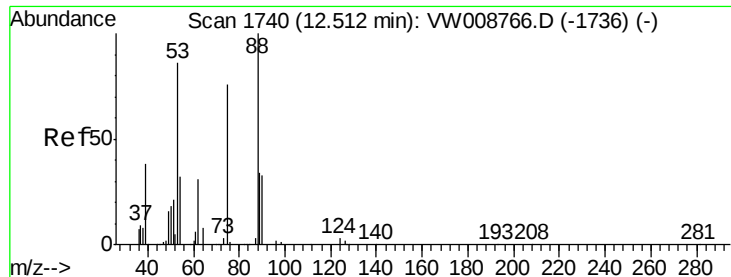
77 1.3 0.0 0.0#



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: 154.382 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008856.D

Acq: 27 Feb 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

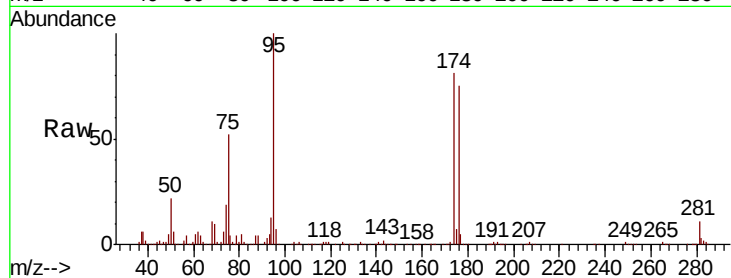
Tot Ion: 75 Resp: 115559

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.1 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

