

Data File : VW008731.D
Acq On : 18 Feb 2019 16:26
Operator : SY/VA
Sample : K1525-03RE
Misc : 5.19G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-14-SRE

Quant Time: Feb 19 03:31:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	562593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	495114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	238291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	203732	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.88	113	180340	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	668333	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.62	95	229046	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

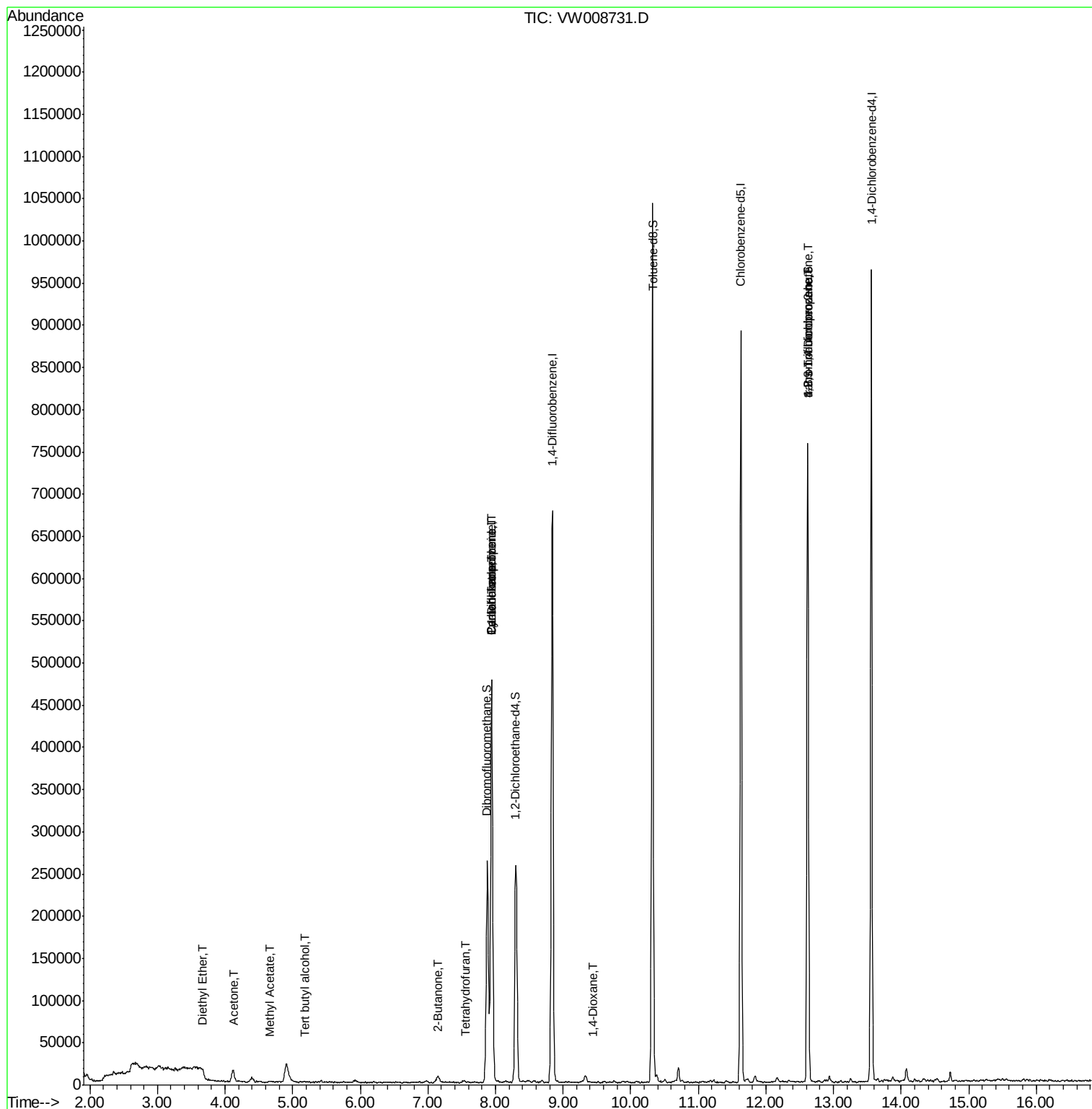
						Qvalue
8) Diethyl Ether	3.67	74	5219	2.495	ug/l	92
11) Tert butyl alcohol	5.17	59	627	2.031	ug/l #	60
16) Acetone	4.12	43	24489	27.896	ug/l	96
18) Methyl Acetate	4.67	43	2628	1.310	ug/l #	77
20) Methylene Chloride	4.90	84	17782	Below Cal	#	85
25) 2-Butanone	7.15	43	1367	1.103	ug/l #	65
29) Tetrahydrofuran	7.56	42	2422	2.964	ug/l #	53
31) Cyclohexane	7.95	56	9411	1.334	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	27279	4.826	ug/l #	49
38) Carbon Tetrachloride	7.95	117	35041	6.235	ug/l #	16
49) 1,4-Dioxane	9.44	88	66	1.965	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	119297	50.700	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	119297	108.670	ug/l #	7

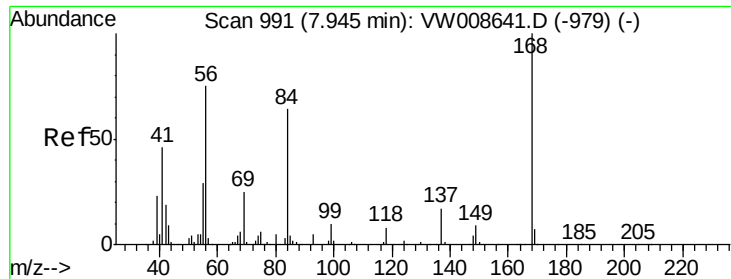
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

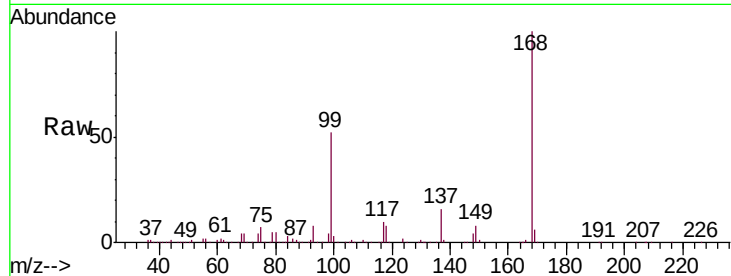
M-14-SRE

Tgt Ion:168 Resp: 371066

Ion Ratio Lower Upper

168 100

99 52.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

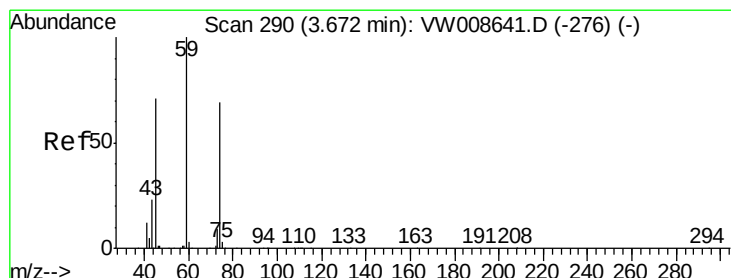
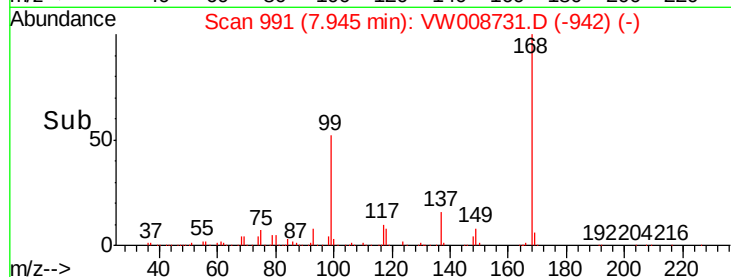
100000

50000

0

7.80 7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.495 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW008731.D

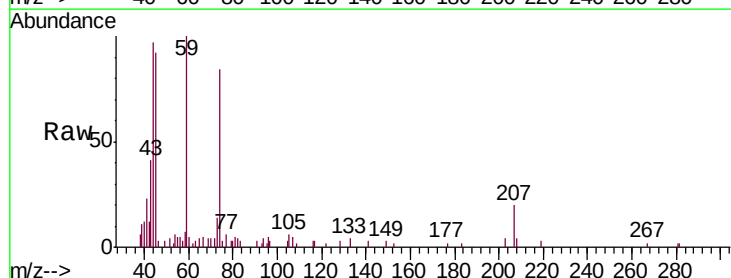
Acq: 18 Feb 2019 16:26

Tgt Ion: 74 Resp: 5219

Ion Ratio Lower Upper

74 100

45 92.5 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3000

2500

2000

1500

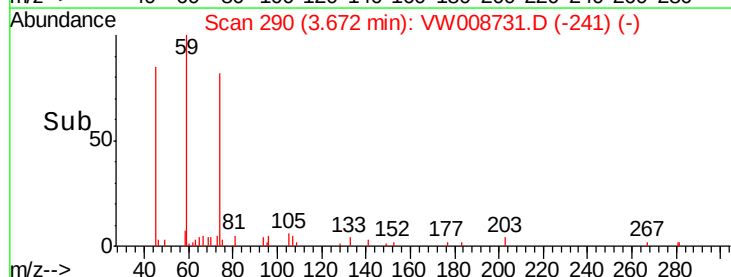
1000

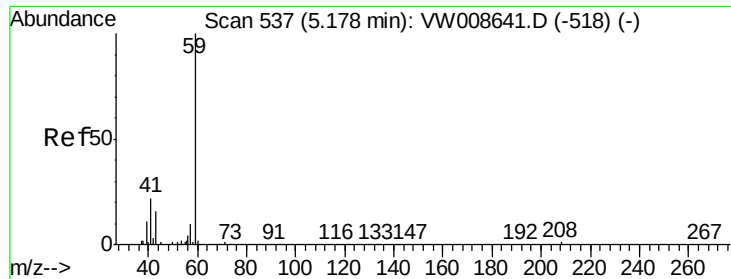
500

0

3.60 3.65 3.70 3.75

Time-->

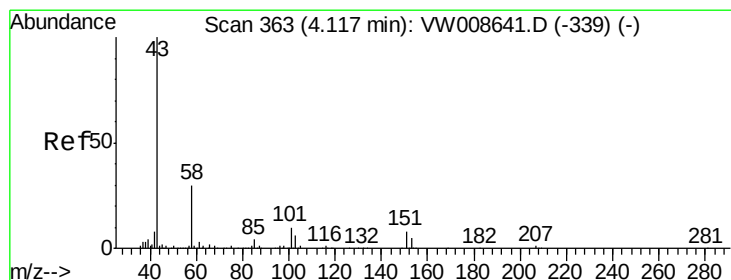
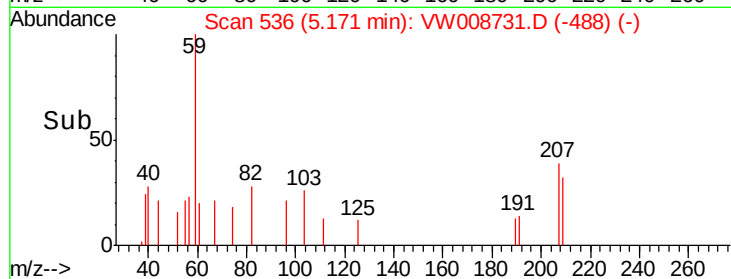
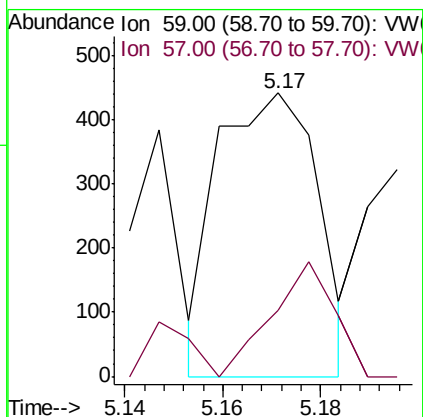
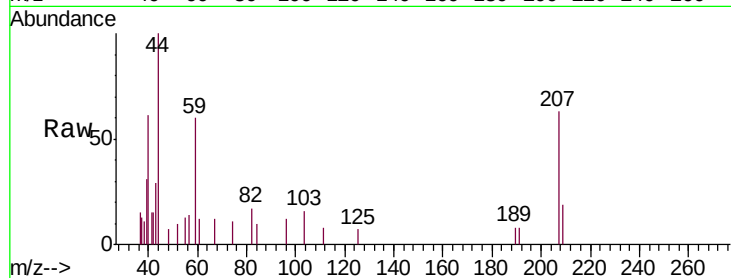




#11
Tert butyl alcohol
Concen: 2.031 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

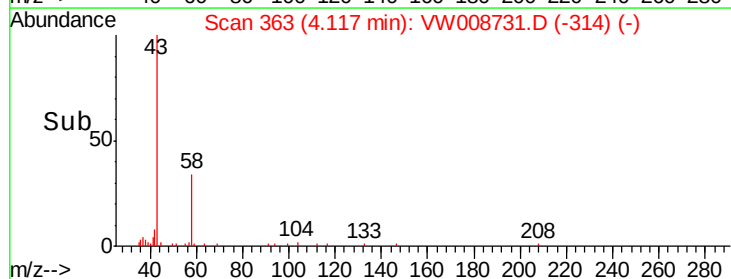
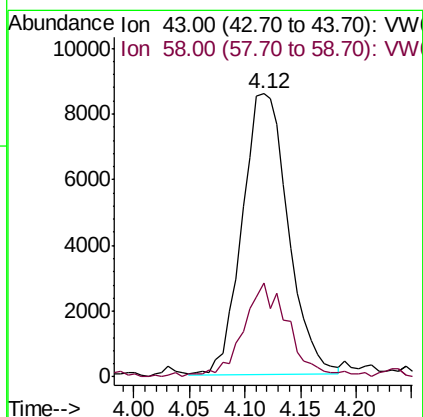
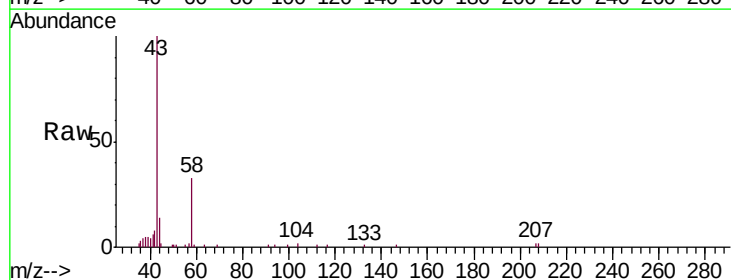
Instrument :
MSVOA_W
ClientSampleId :
M-14-SRE

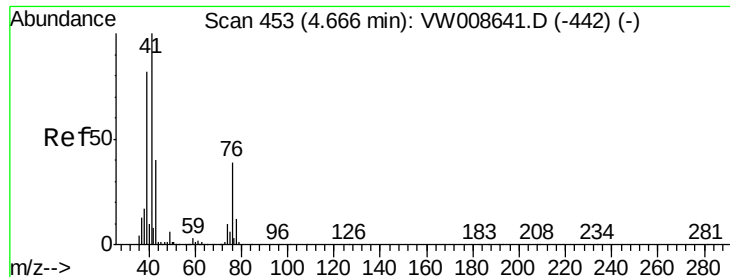
Tgt Ion: 59 Resp: 627
Ion Ratio Lower Upper
59 100
57 25.4 8.3 12.5#



#16
Acetone
Concen: 27.896 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Tgt Ion: 43 Resp: 24489
Ion Ratio Lower Upper
43 100
58 32.5 24.1 36.1

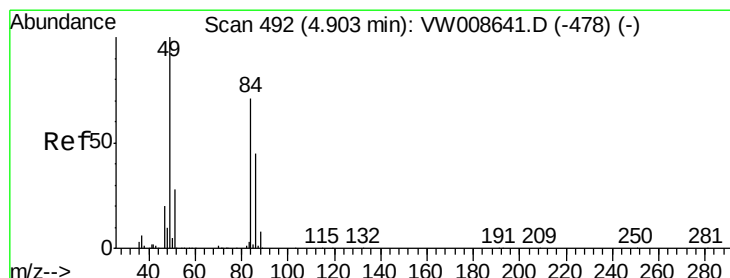
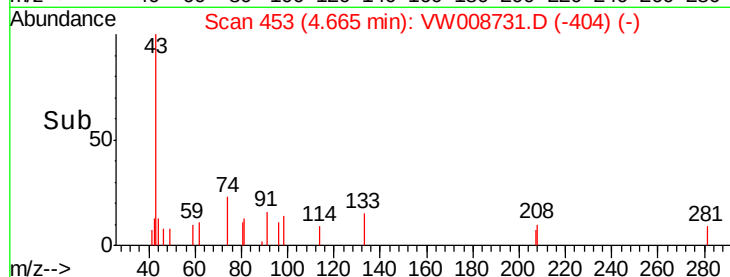
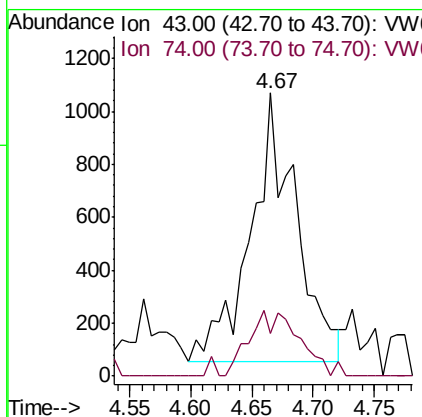
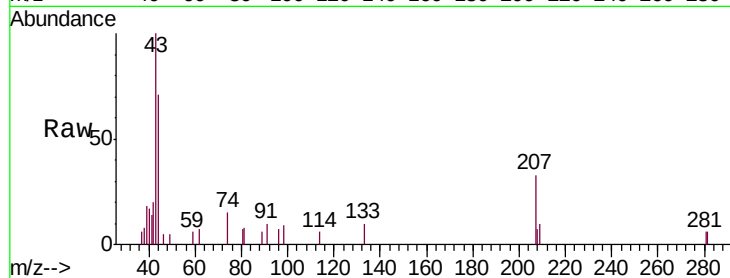




#18
Methyl Acetate
Concen: 1.310 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

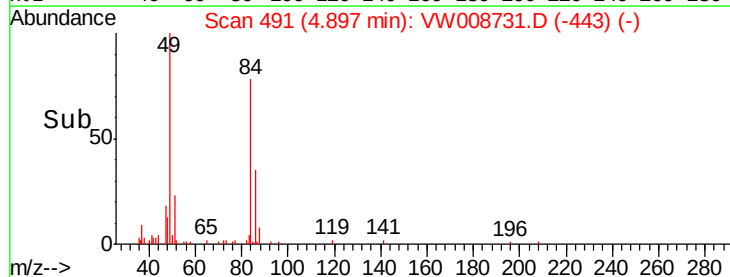
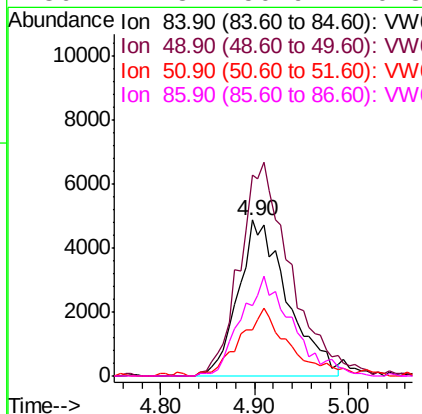
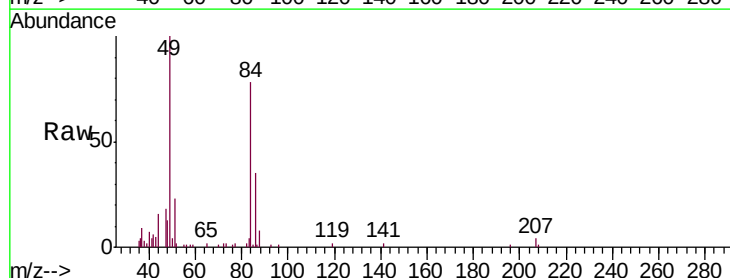
Instrument :
MSVOA_W
ClientSampleId :
M-14-SRE

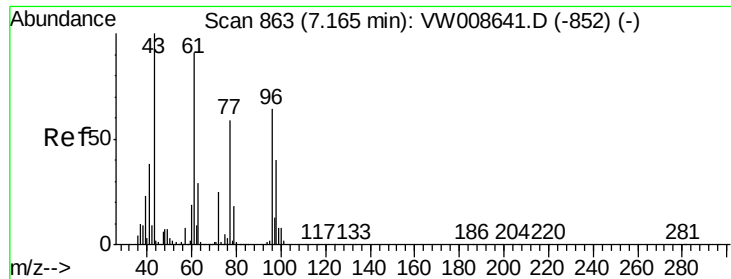
Tgt Ion: 43 Resp: 2628
Ion Ratio Lower Upper
43 100
74 12.4 19.0 28.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Tgt Ion: 84 Resp: 17782
Ion Ratio Lower Upper
84 100
49 128.9 113.3 169.9
51 29.4 32.1 48.1#
86 44.8 50.9 76.3#





#25

2-Butanone

Concen: 1.103 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

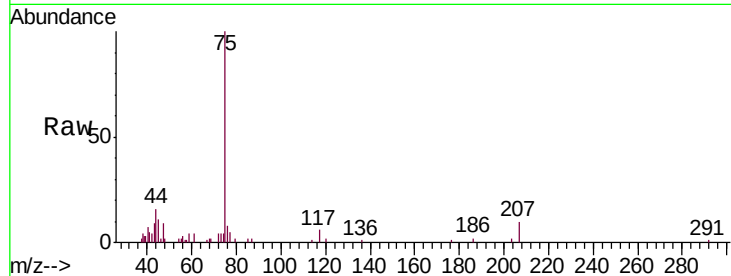
M-14-SRE

Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

72 42.3 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

400

300

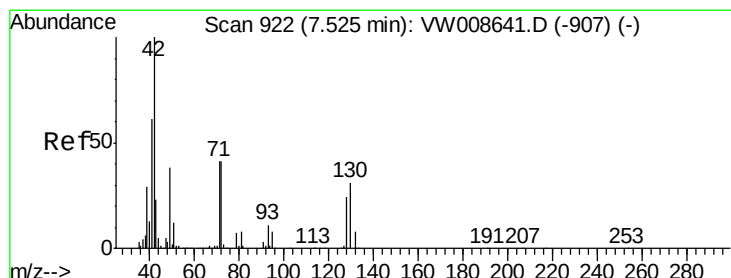
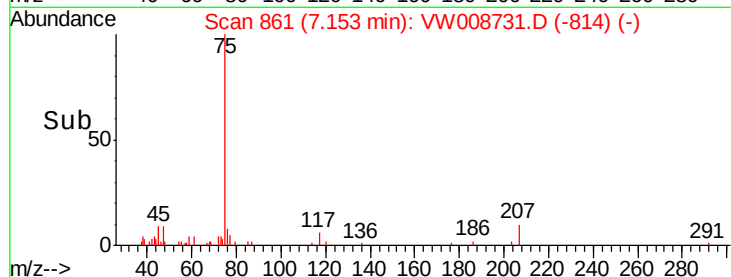
200

100

0

7.10 7.15 7.20

Time-->



#29

Tetrahydrofuran

Concen: 2.964 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.03 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

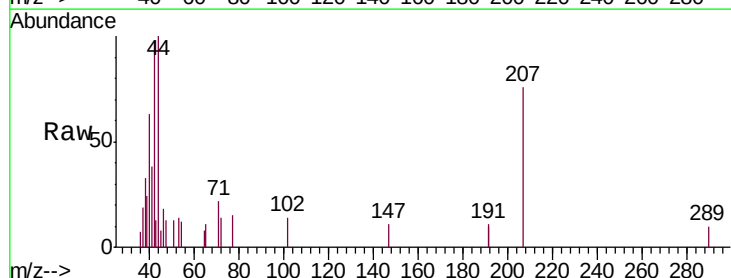
Tgt Ion: 42 Resp: 2422

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.2#

71 21.6 31.0 46.6#



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

800

600

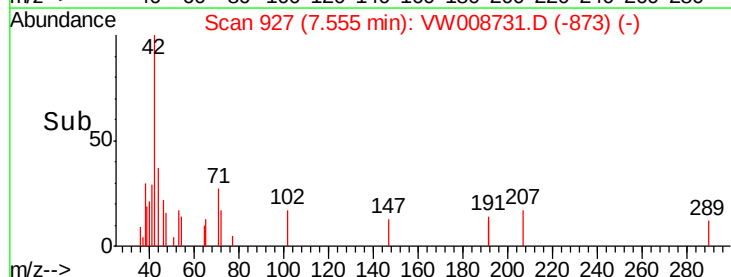
400

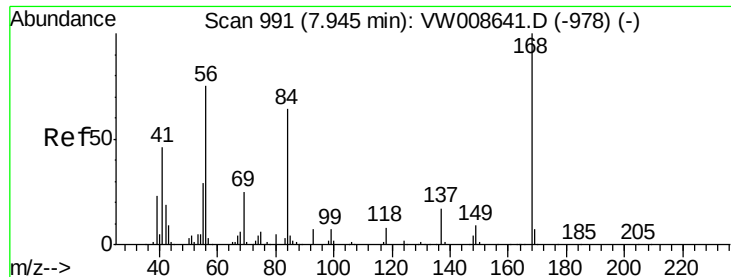
200

0

7.45 7.50 7.55 7.60 7.65

Time-->

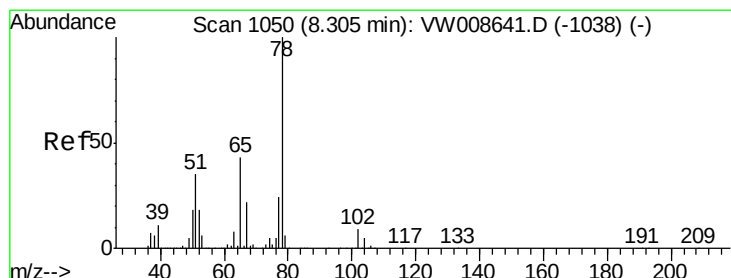
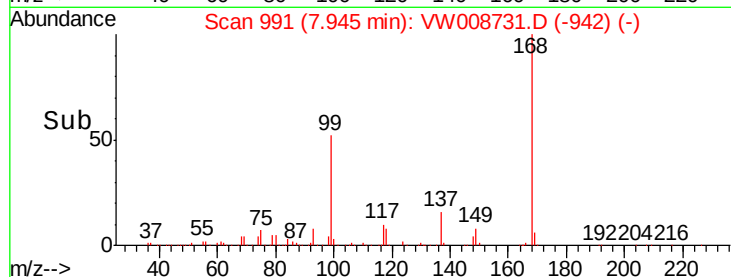
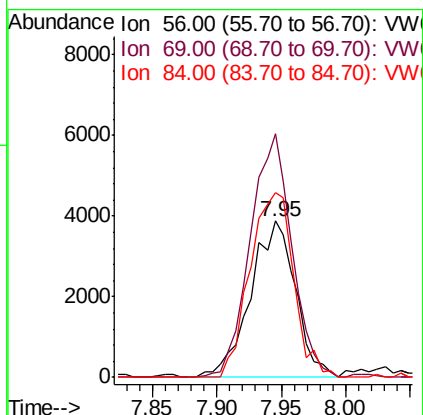
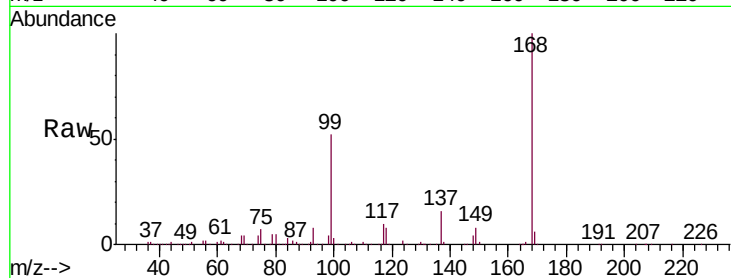




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

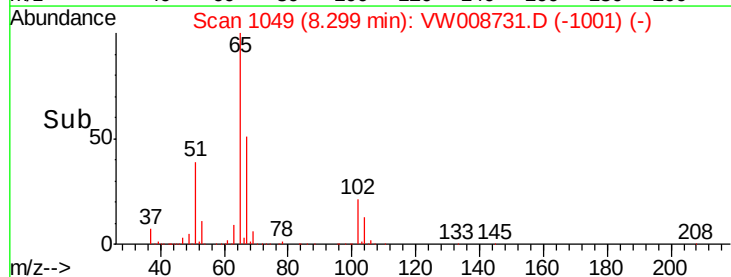
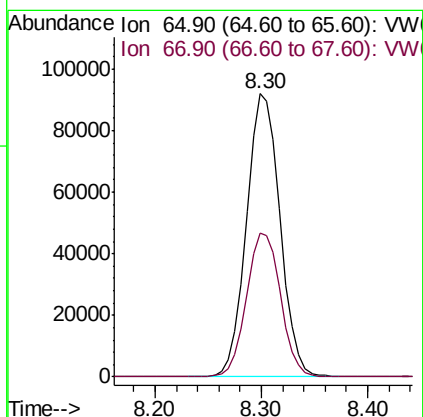
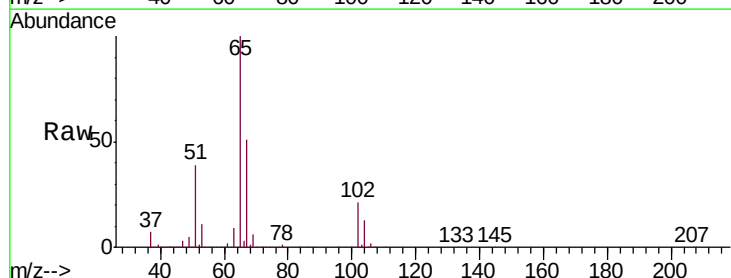
Instrument :
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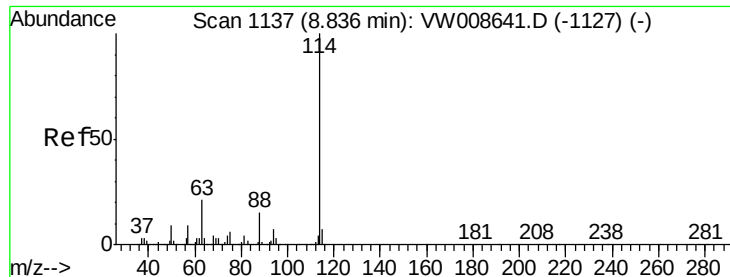
Tgt Ion: 56 Resp: 9411
Ion Ratio Lower Upper
56 100
69 156.1 26.4 39.6#
84 118.5 67.4 101.2#



#33
1,2-Dichloroethane-d4
Concen: 52.811 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Tgt Ion: 65 Resp: 203732
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

M-14-SRE

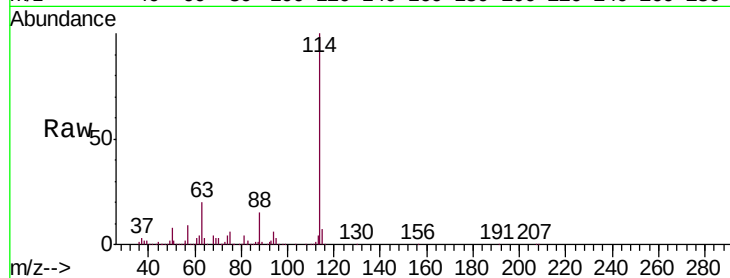
Tgt Ion:114 Resp: 562593

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

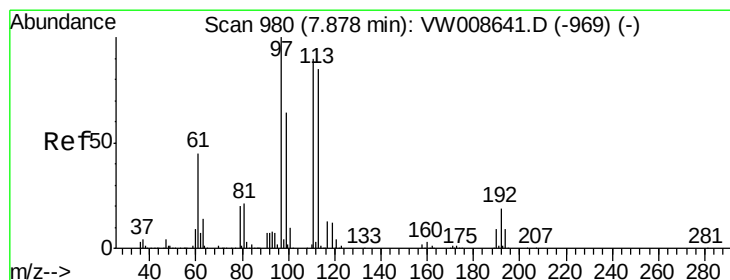
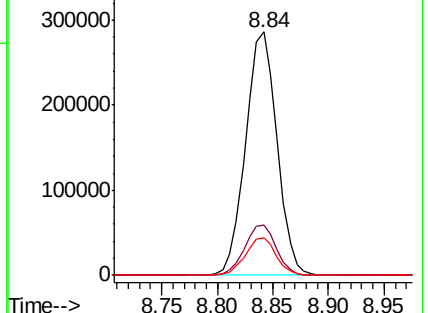
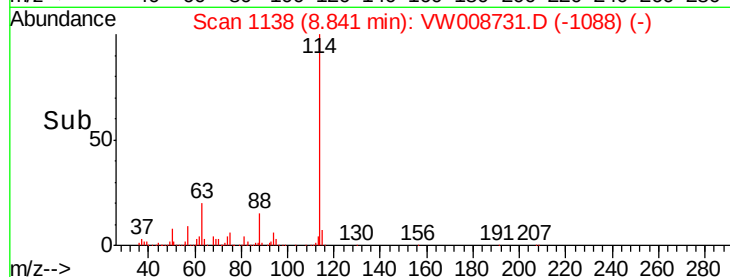
88 15.4 0.0 29.6



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: 51.624 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

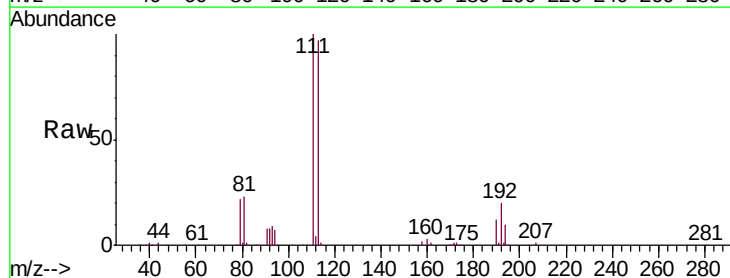
Tgt Ion:113 Resp: 180340

Ion Ratio Lower Upper

113 100

111 101.1 84.0 126.0

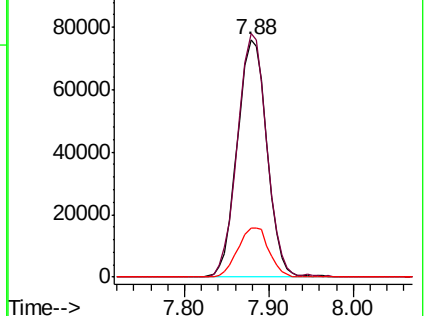
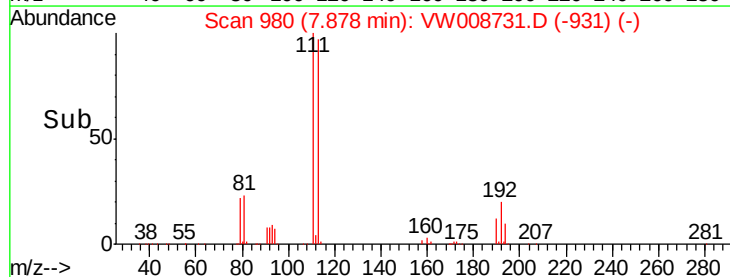
192 21.7 17.4 26.2

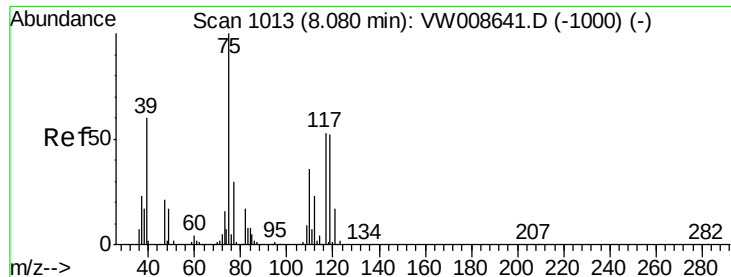


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

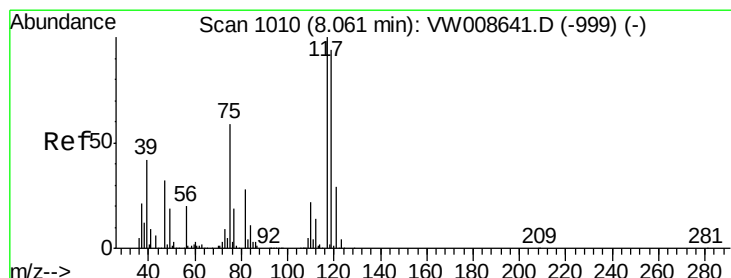
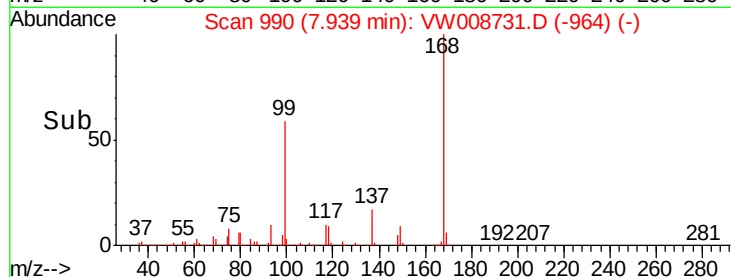
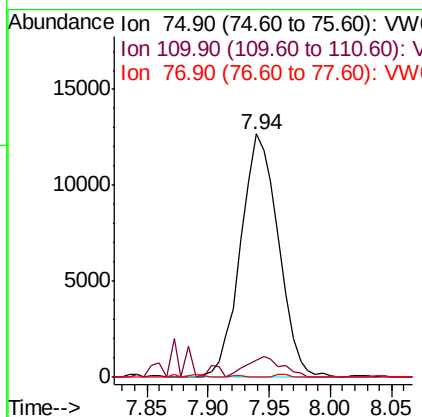
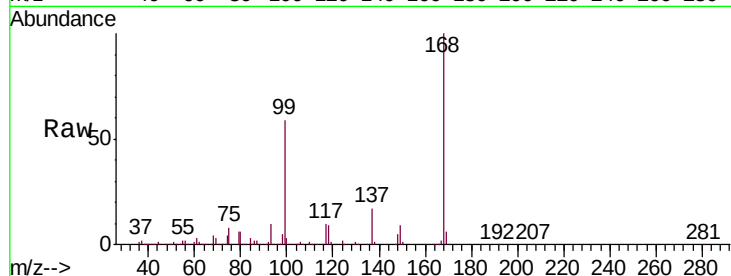




#36
 1,1-Dichloropropene
 Concen: 4.826 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008731.D
 Acq: 18 Feb 2019 16:26

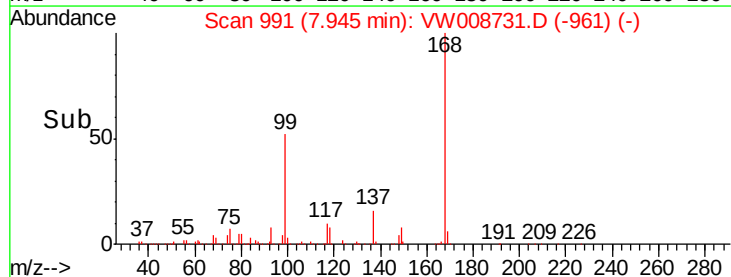
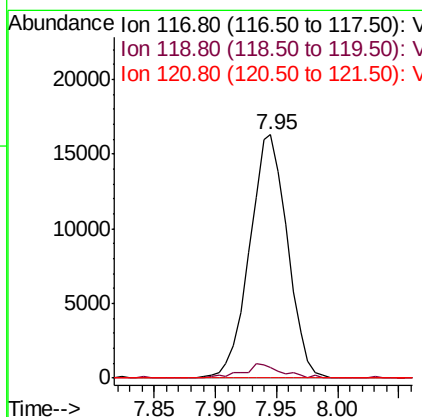
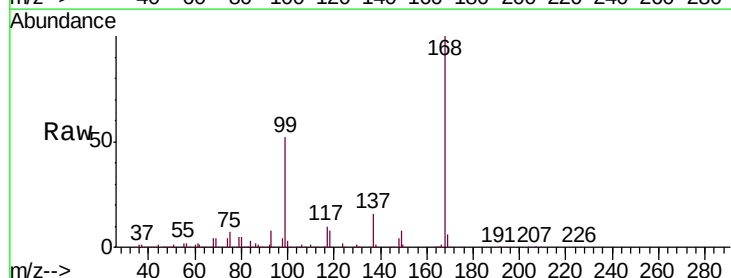
Instrument :
 MSVOA_W
 ClientSampleId :
 M-14-SRE

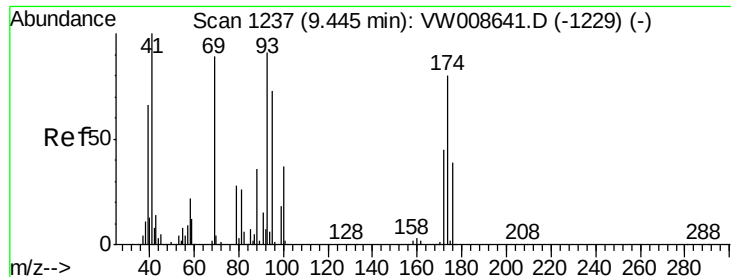
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.235 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008731.D
 Acq: 18 Feb 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.1	112.7#
121	0.0	23.5	35.3#

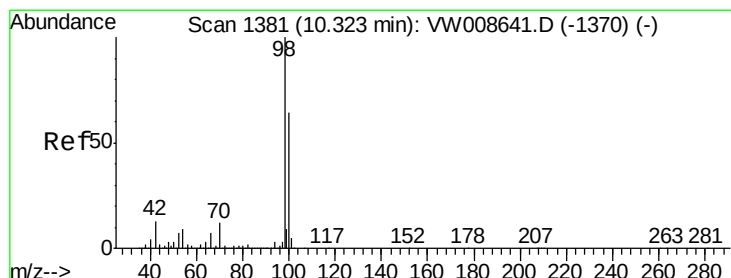
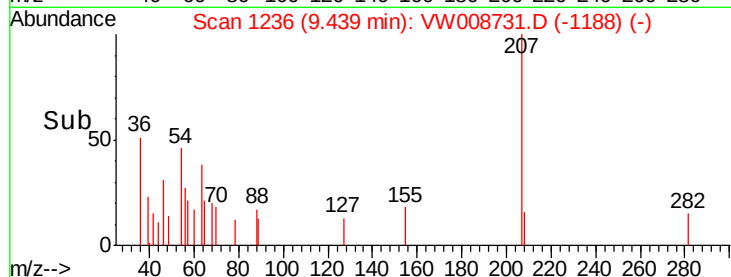
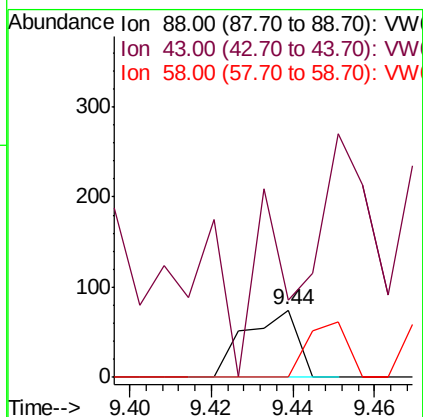
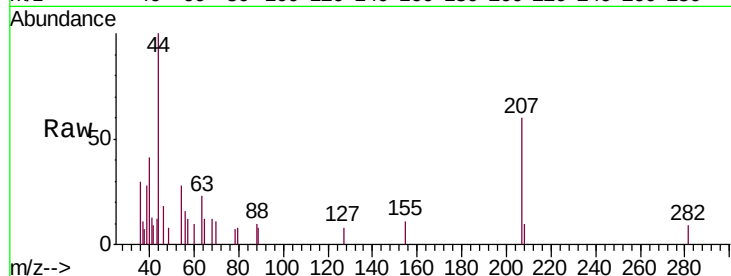




#49
1,4-Dioxane
Concen: 1.965 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

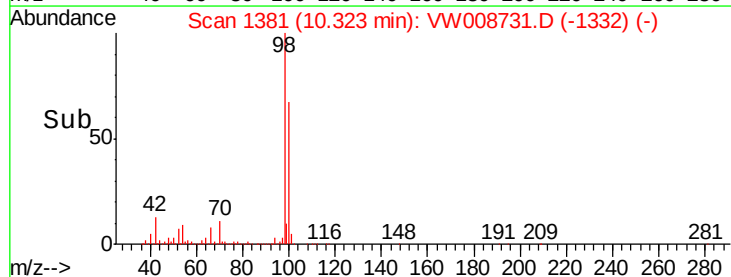
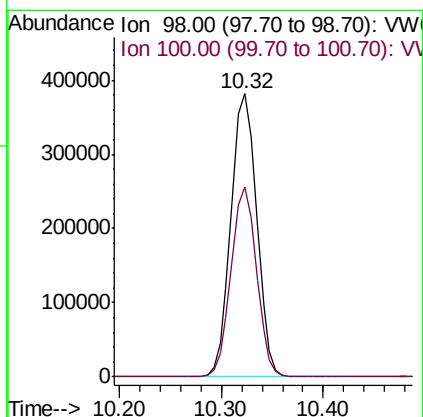
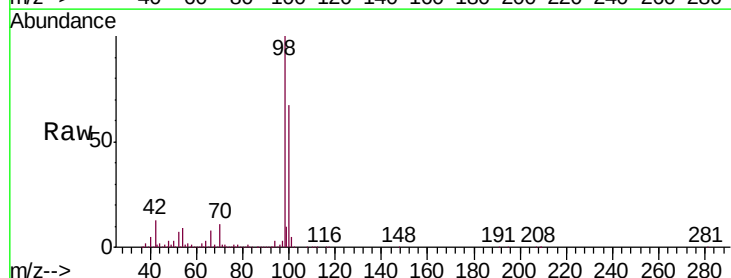
Instrument :
MSVOA_W
ClientSampleId :
M-14-SRE

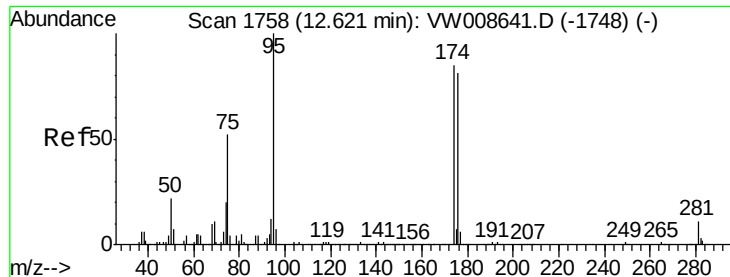
Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 545.5 31.0 46.6#
58 62.1 57.0 85.6



#50
Toluene-d8
Concen: 49.629 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Tgt Ion: 98 Resp: 668333
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.156 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

M-14-SRE

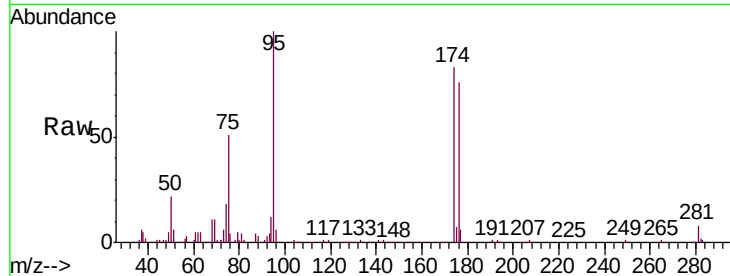
Tgt Ion: 95 Resp: 229046

Ion Ratio Lower Upper

95 100

174 87.7 0.0 163.2

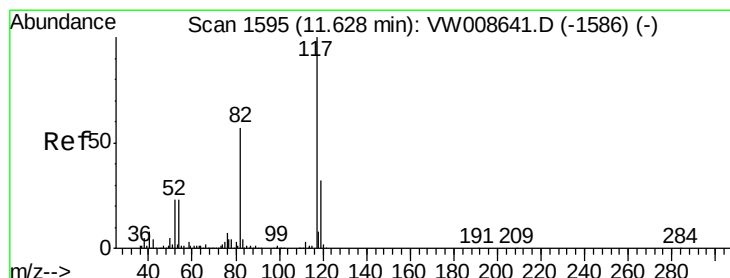
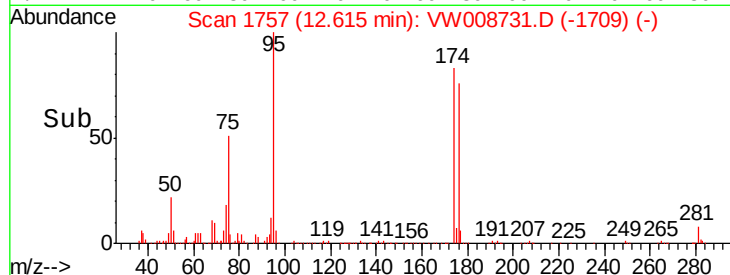
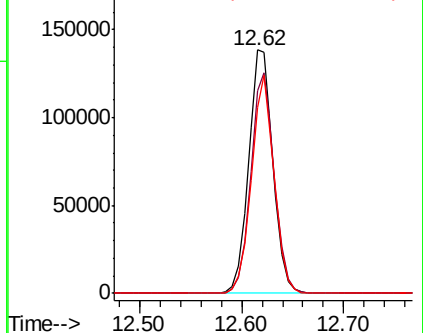
176 84.0 0.0 158.0



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. 0.01 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

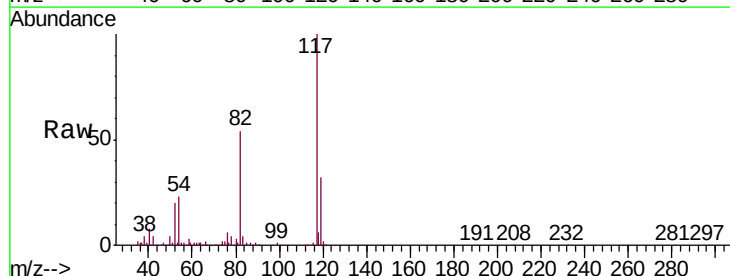
Tgt Ion: 117 Resp: 495114

Ion Ratio Lower Upper

117 100

82 54.0 45.6 68.4

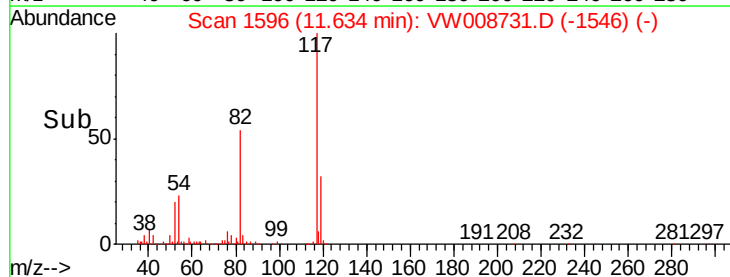
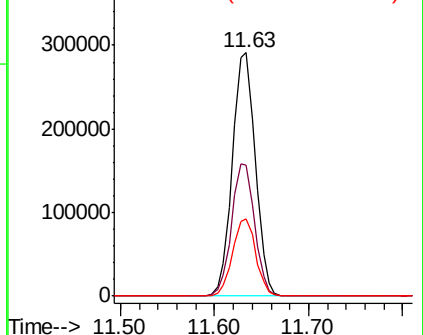
119 31.6 25.7 38.5

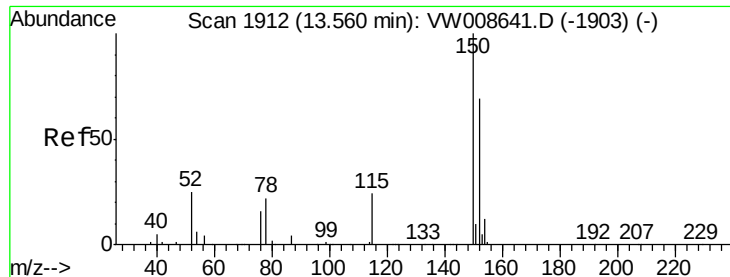


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



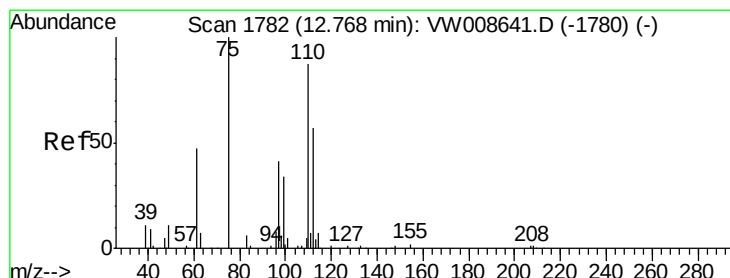
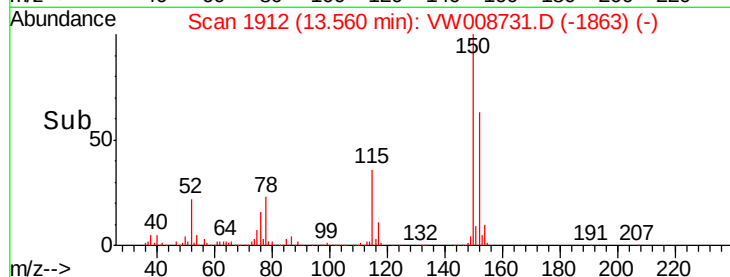
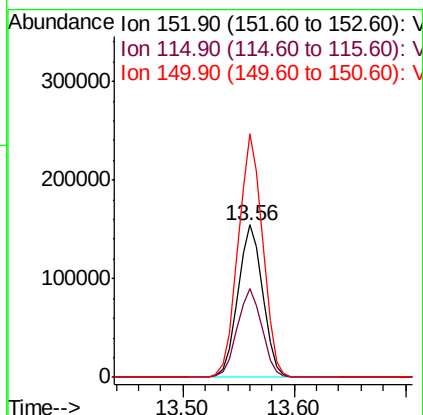
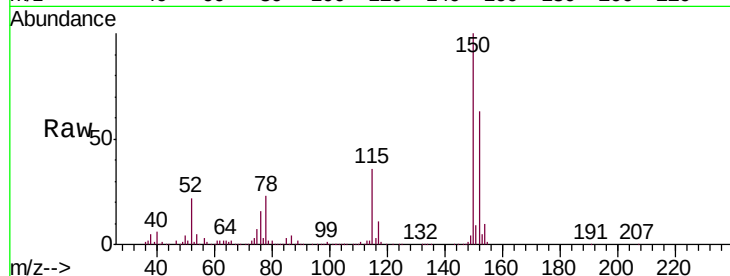


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Instrument :
MSVOA_W
ClientSampleId :
M-14-SRE

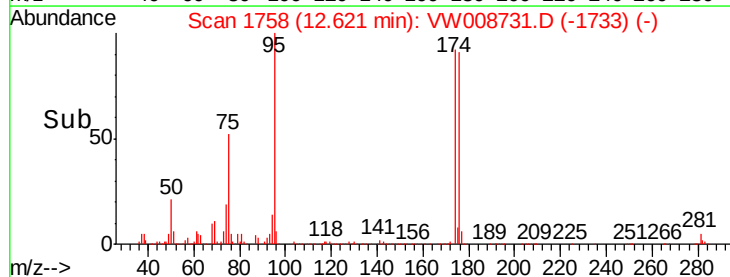
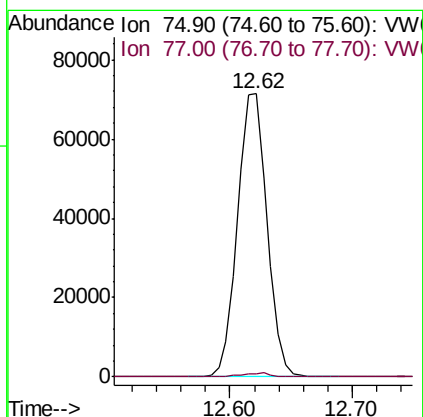
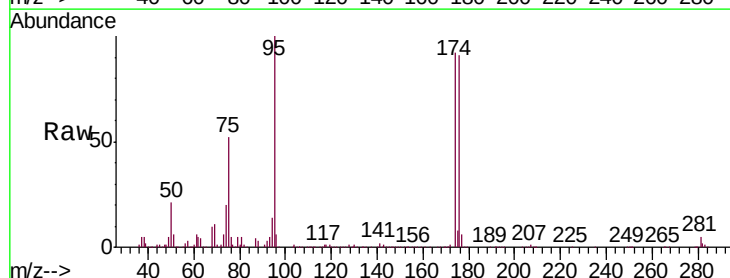
Tgt Ion: 152 Resp: 238291
Ion Ratio Lower Upper
152 100
115 58.0 29.3 87.8
150 157.5 0.0 352.8

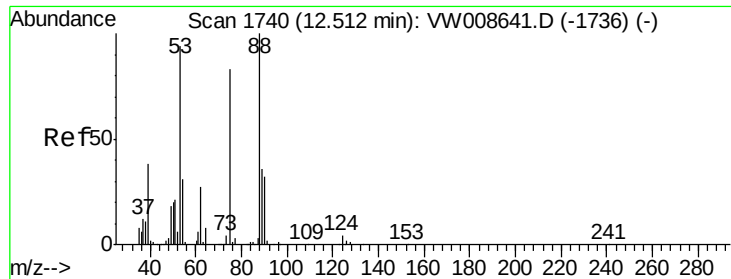


#76

1,2,3-Trichloropropane
Concen: 50.700 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW008731.D
Acq: 18 Feb 2019 16:26

Tgt Ion: 75 Resp: 119297
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.670 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008731.D

Acq: 18 Feb 2019 16:26

Instrument :

MSVOA_W

ClientSampleId :

M-14-SRE

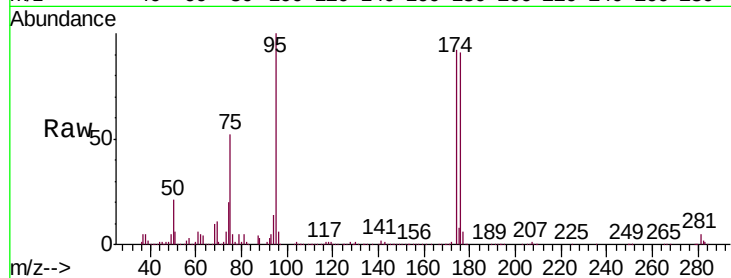
Tgt Ion: 75 Resp: 119297

Ion Ratio Lower Upper

75 100

53 0.3 87.4 131.0#

89 0.1 37.0 55.4#



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

