

Data File : VW008732.D
Acq On : 18 Feb 2019 16:52
Operator : SY/VA
Sample : K1525-07RE
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-14-DRE

Quant Time: Feb 19 03:31:31 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	370322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	560924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	492389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199745	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	7.88	113	178281	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.32	98	665033	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.62	95	230439	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

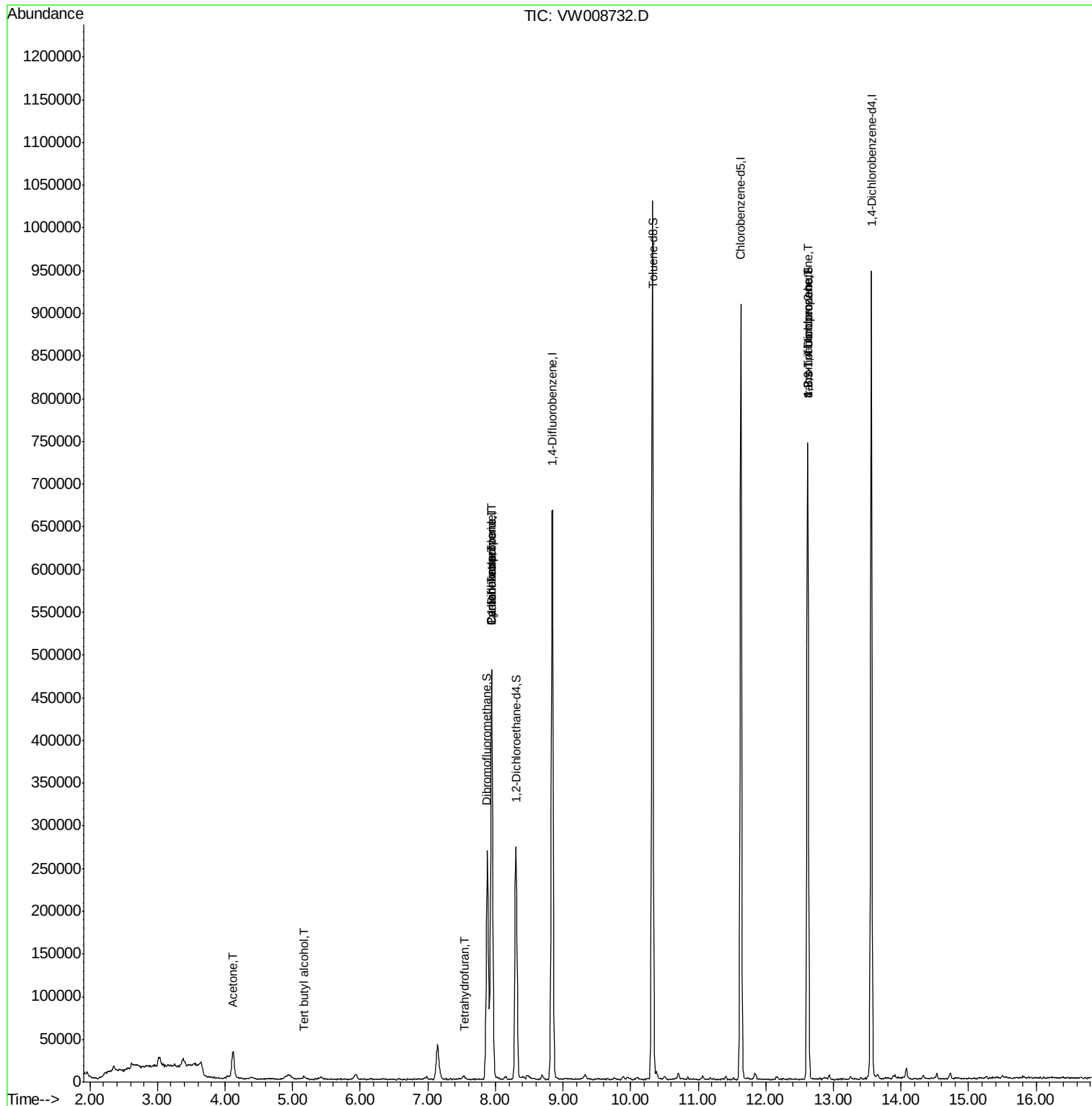
						Qvalue
11) Tert butyl alcohol	5.16	59	3394	11.018	ug/l #	72
16) Acetone	4.12	43	57848	66.030	ug/l	97
20) Methylene Chloride	4.91	84	1350	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	2727	3.344	ug/l	95
31) Cyclohexane	7.95	56	9548	1.356	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	28214	5.007	ug/l #	50
38) Carbon Tetrachloride	7.94	117	36260	6.471	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	120787	50.980	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	120787	109.257	ug/l #	6

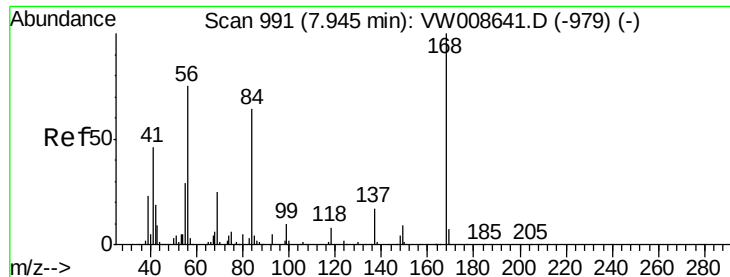
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW008732.D
Acq On : 18 Feb 2019 16:52
Operator : SY/VA
Sample : K1525-07RE
Misc : 5.17G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-14-DRE

Quant Time: Feb 19 03:31:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

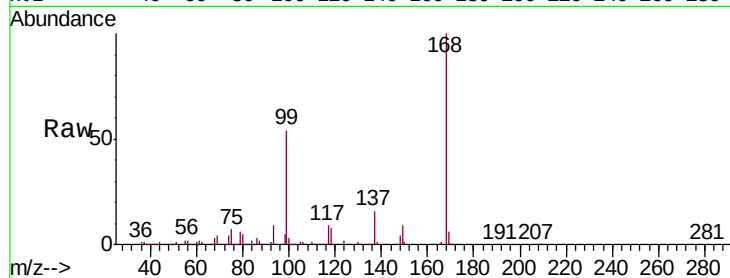
M-14-DRE

Tgt Ion:168 Resp: 370322

Ion Ratio Lower Upper

168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

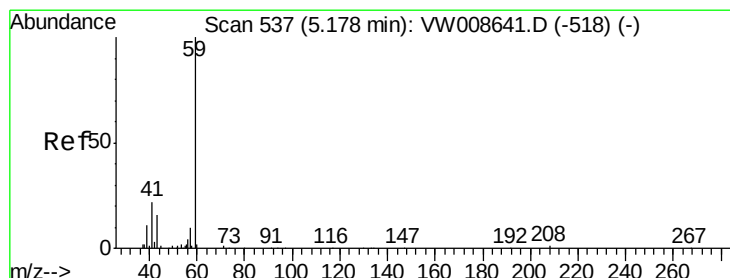
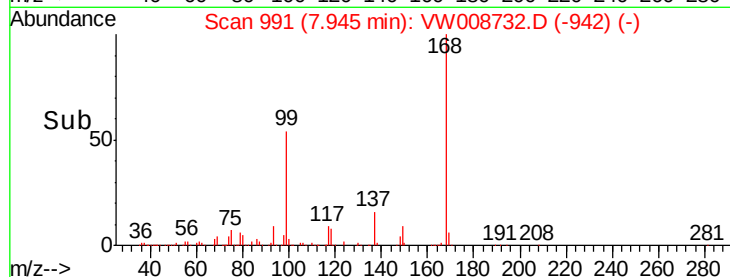
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.018 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW008732.D

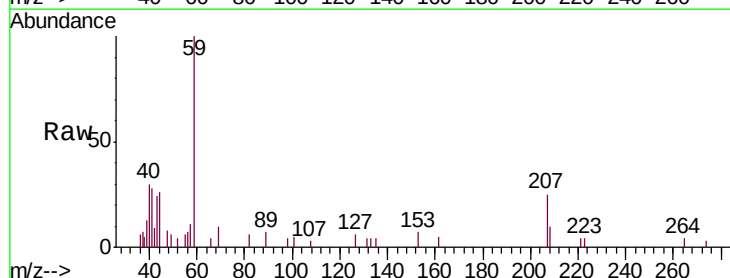
Acq: 18 Feb 2019 16:52

Tgt Ion: 59 Resp: 3394

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

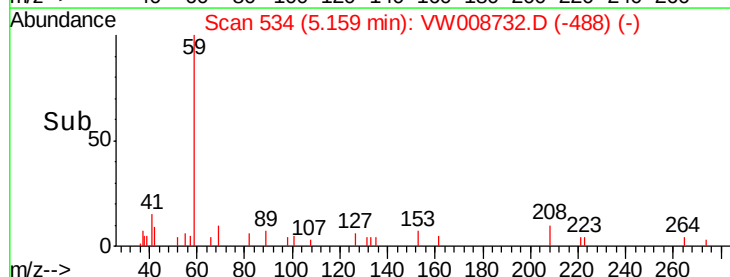
1500

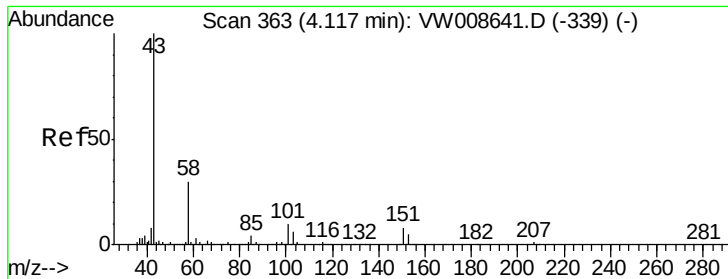
1000

500

0

Time-->





#16

Acetone

Concen: 66.030 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

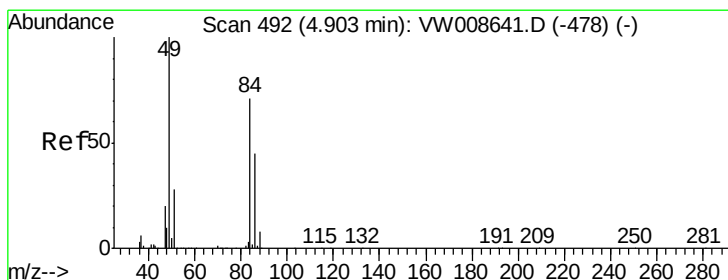
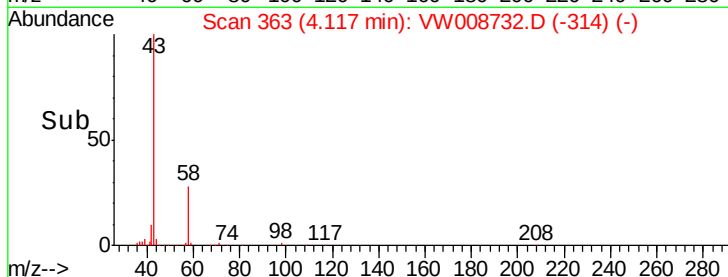
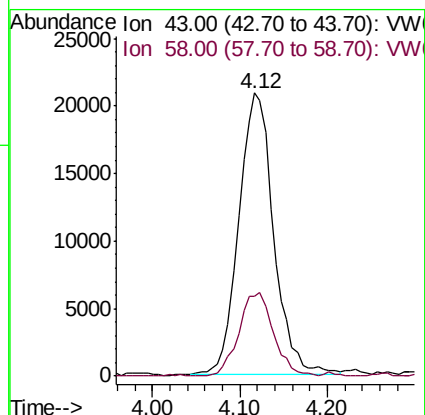
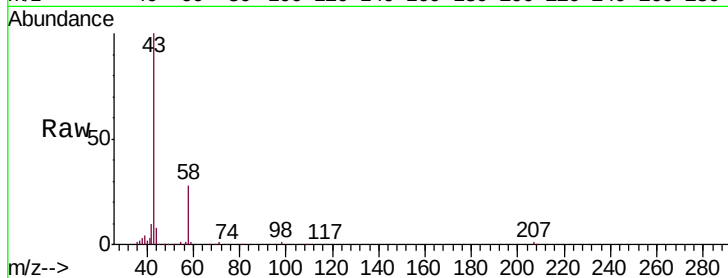
M-14-DRE

Tgt Ion: 43 Resp: 57848

Ion Ratio Lower Upper

43 100

58 28.4 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Tgt Ion: 84 Resp: 1350

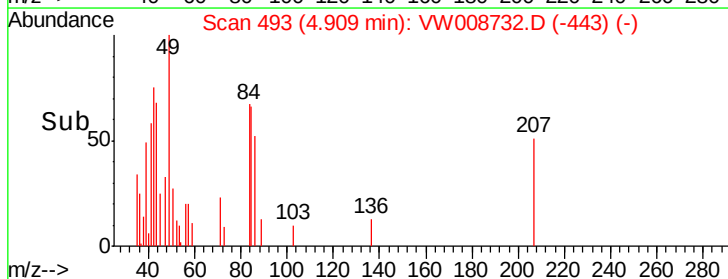
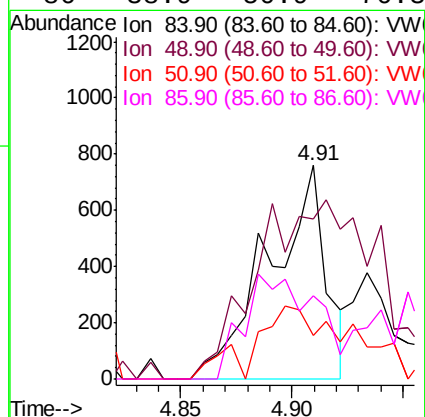
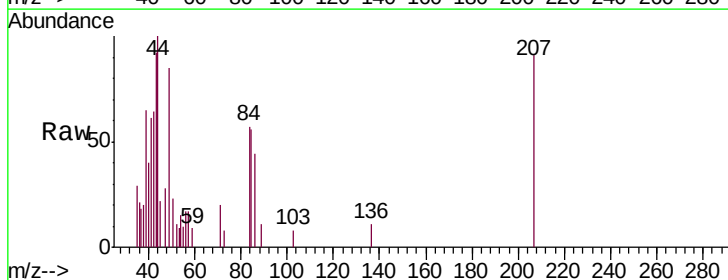
Ion Ratio Lower Upper

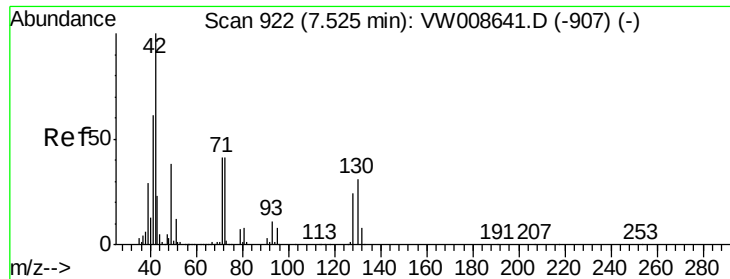
84 100

49 75.1 113.3 169.9#

51 20.4 32.1 48.1#

86 38.9 50.9 76.3#





#29

Tetrahydrofuran

Concen: 3.344 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampled :

M-14-DRE

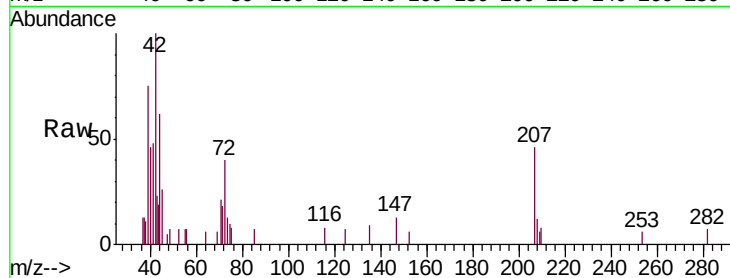
Tgt Ion: 42 Resp: 2727

Ion Ratio Lower Upper

42 100

72 35.3 32.2 48.2

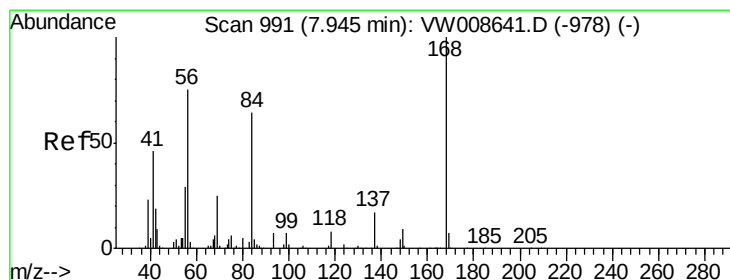
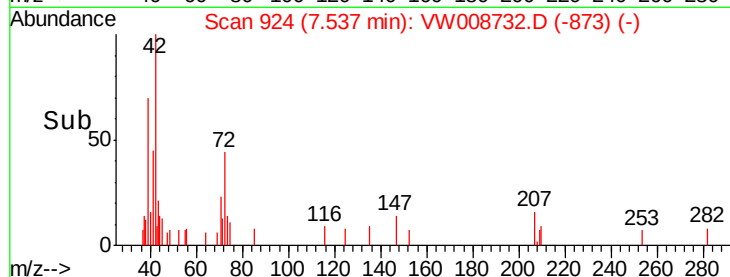
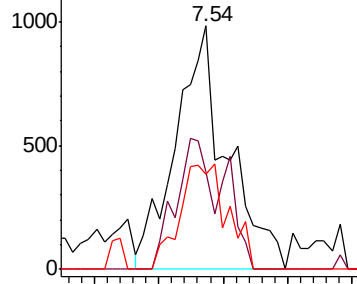
71 40.2 31.0 46.6



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



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

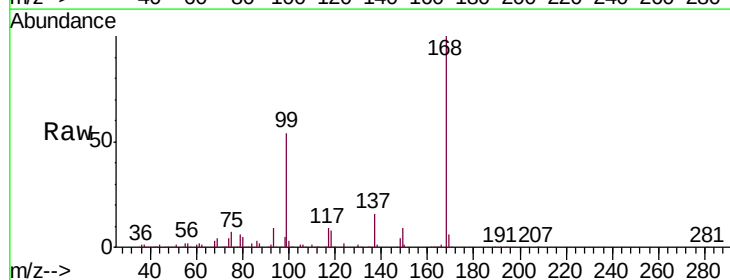
Tgt Ion: 56 Resp: 9548

Ion Ratio Lower Upper

56 100

69 160.4 26.4 39.6#

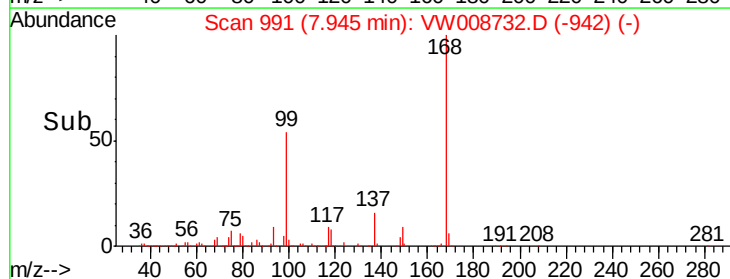
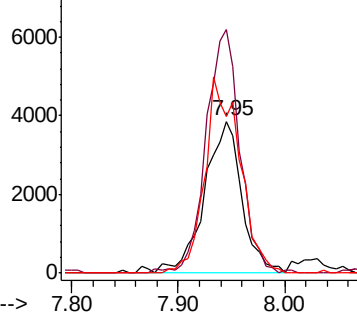
84 103.5 67.4 101.2#

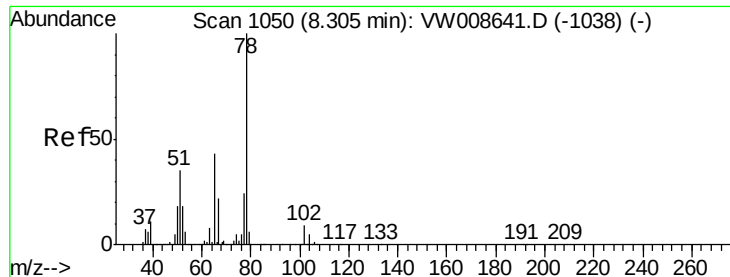


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

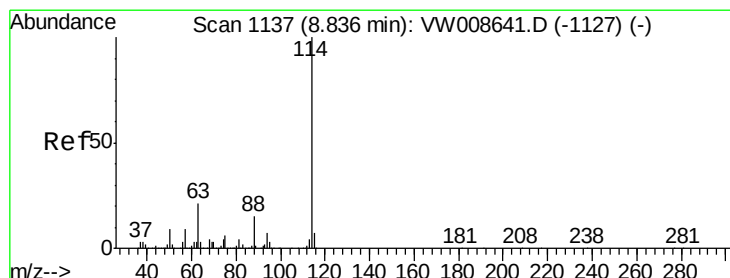
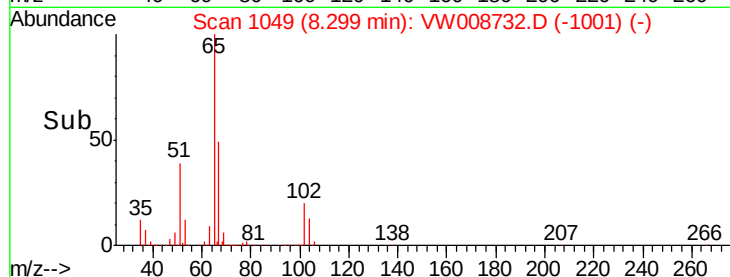
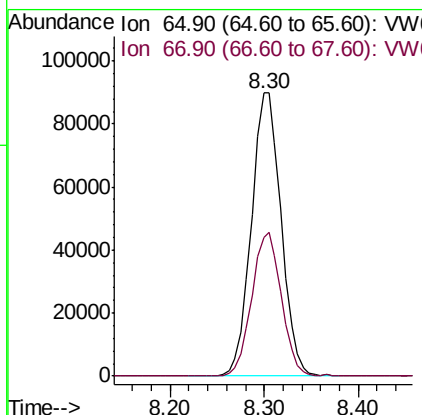
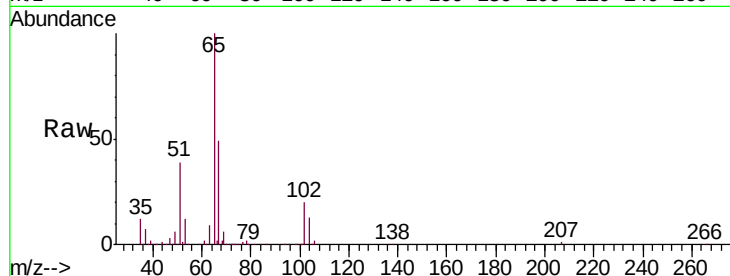




#33
 1,2-Dichloroethane-d4
 Concen: 51.882 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008732.D
 Acq: 18 Feb 2019 16:52

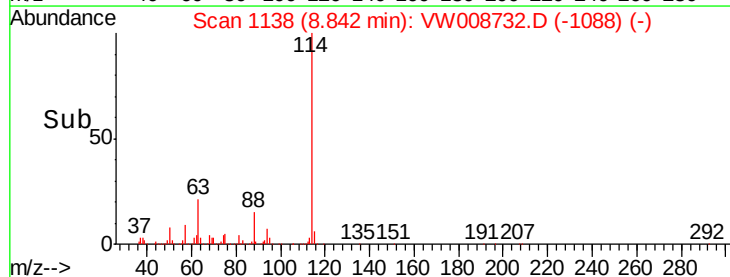
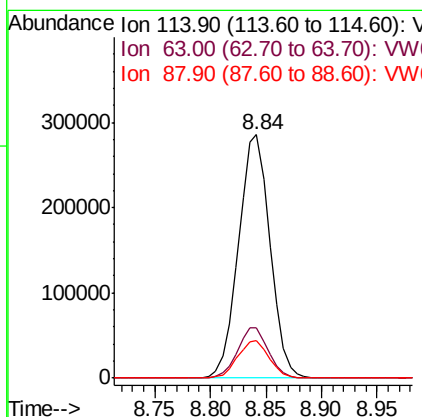
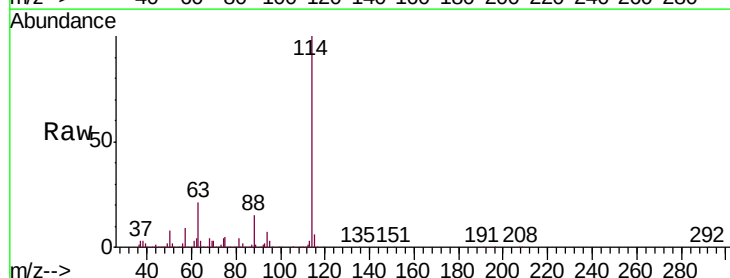
Instrument :
 MSVOA_W
 ClientSampleId :
 M-14-DRE

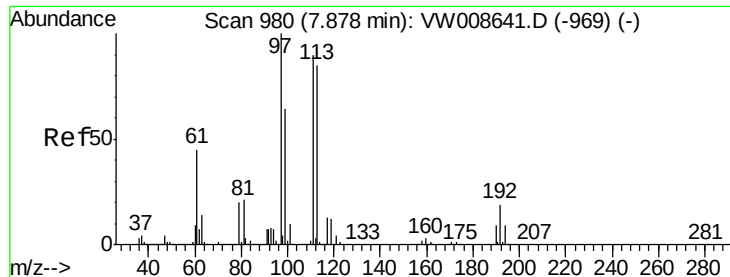
Tgt Ion: 65 Resp: 199745
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008732.D
 Acq: 18 Feb 2019 16:52

Tgt Ion: 114 Resp: 560924
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 15.5 0.0 29.6

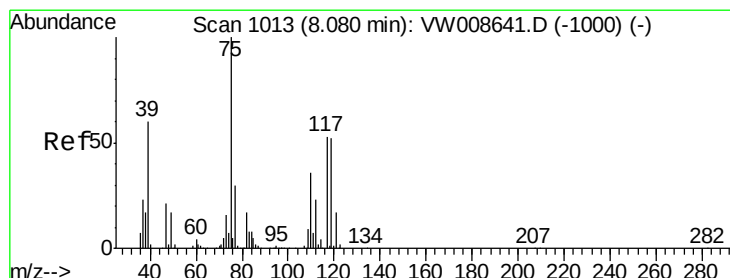
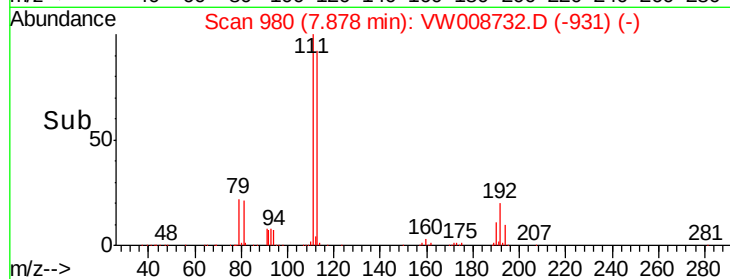
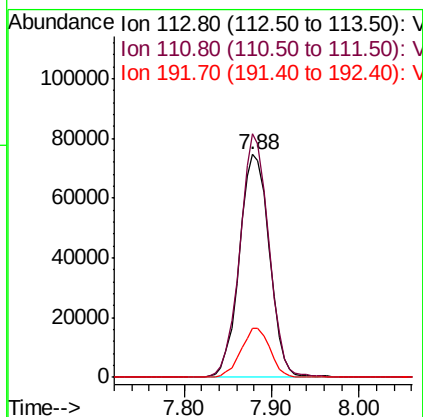
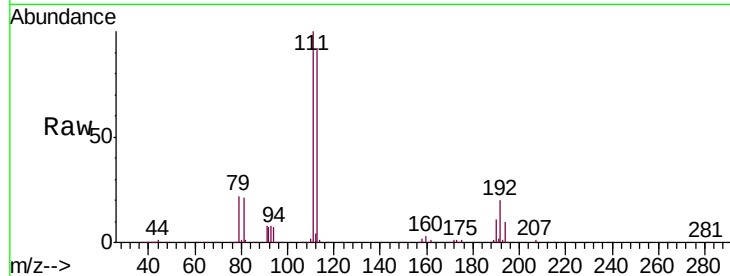




#35
 Dibromofluoromethane
 Concen: 51.186 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008732.D
 Acq: 18 Feb 2019 16:52

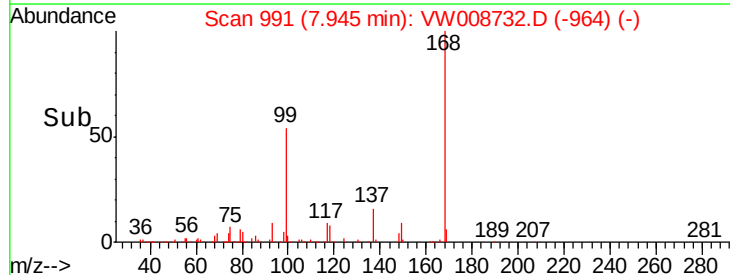
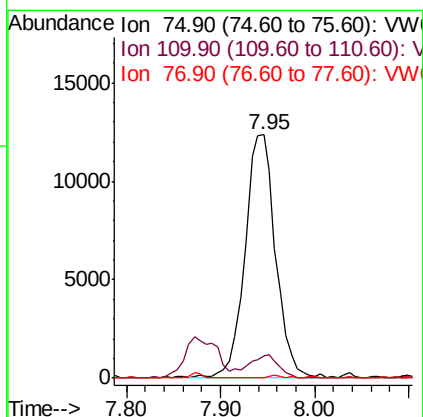
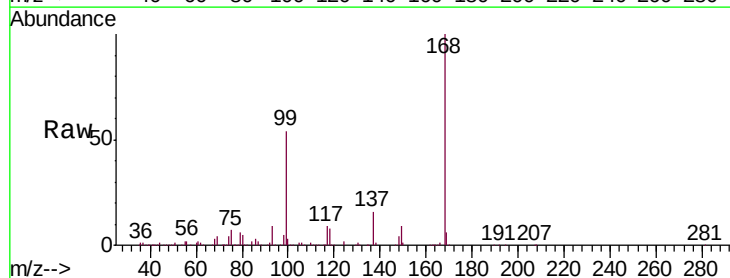
Instrument :
 MSVOA_W
 ClientSampleId :
 M-14-DRE

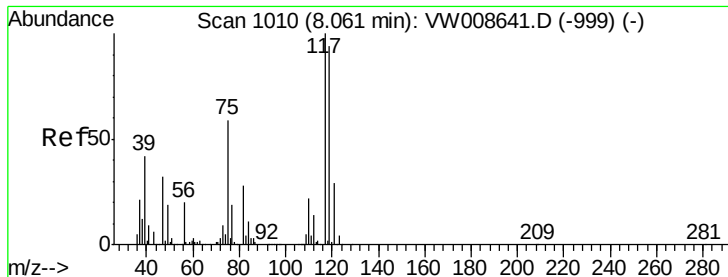
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	84.0	126.0
192	21.3	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008732.D
 Acq: 18 Feb 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.3#
77	0.7	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.471 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.12 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

M-14-DRE

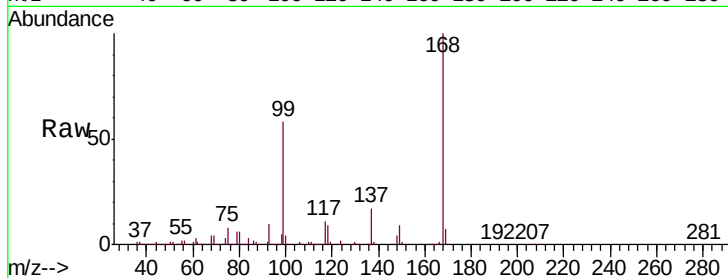
Tgt Ion:117 Resp: 36260

Ion Ratio Lower Upper

117 100

119 5.3 75.1 112.7#

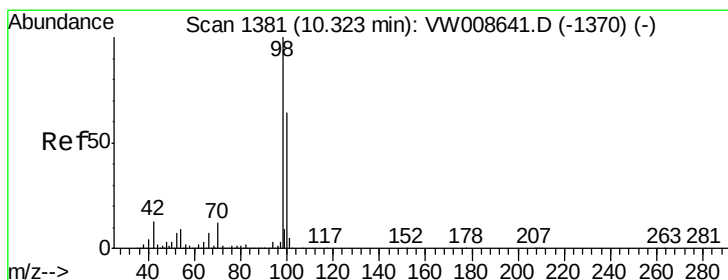
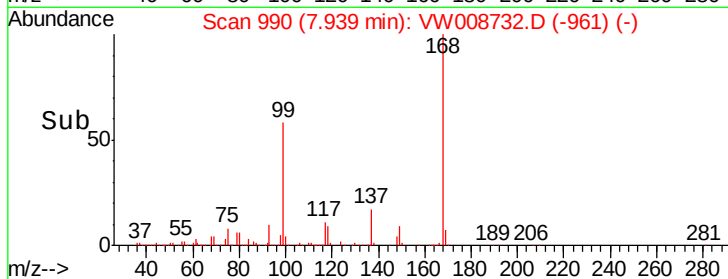
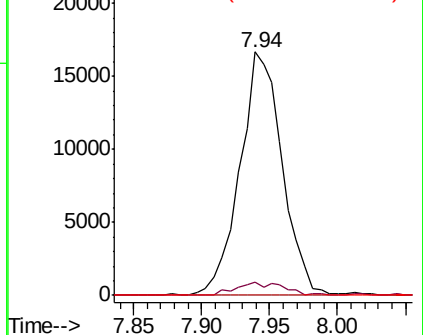
121 0.0 23.5 35.3#



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: 49.531 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008732.D

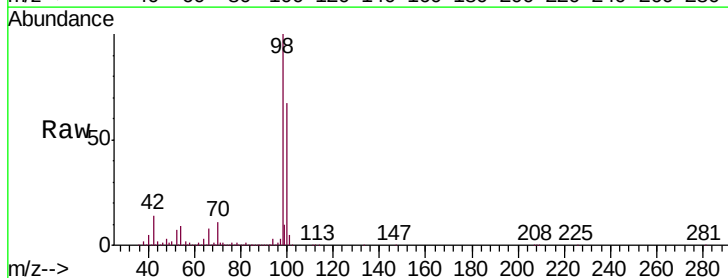
Acq: 18 Feb 2019 16:52

Tgt Ion: 98 Resp: 665033

Ion Ratio Lower Upper

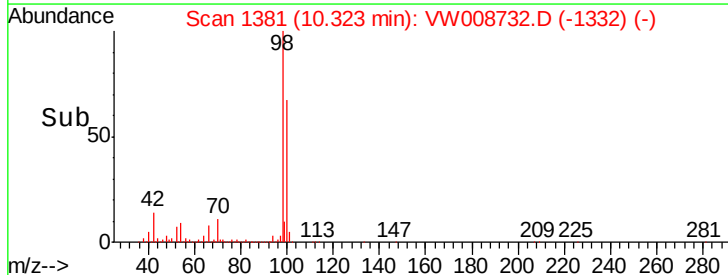
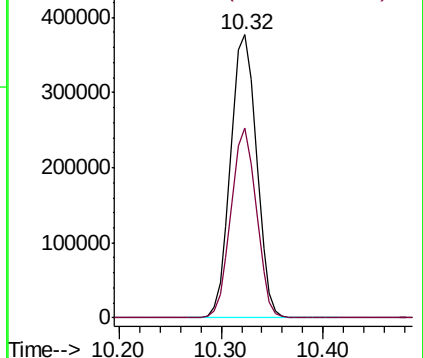
98 100

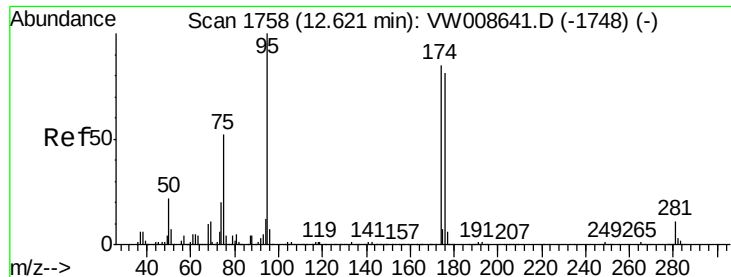
100 65.3 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.566 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

M-14-DRE

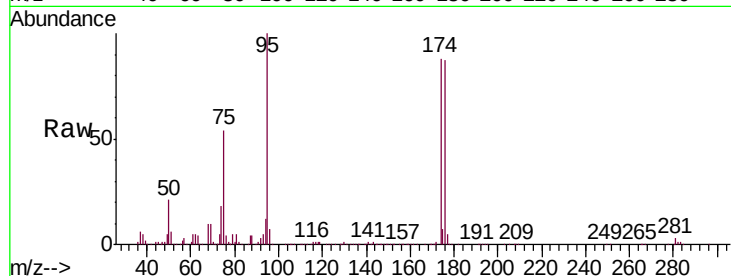
Tgt Ion: 95 Resp: 230439

Ion Ratio Lower Upper

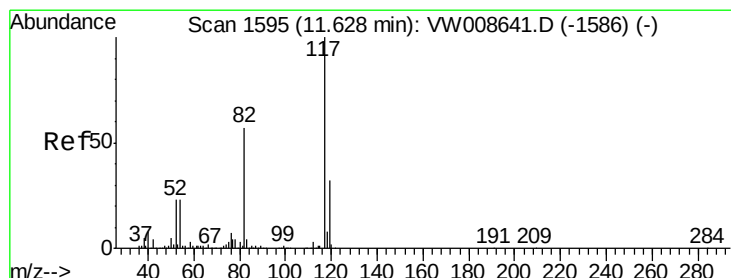
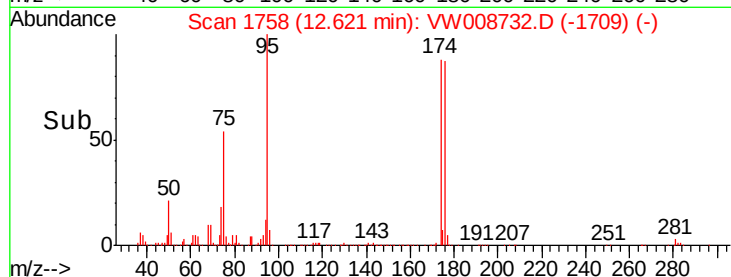
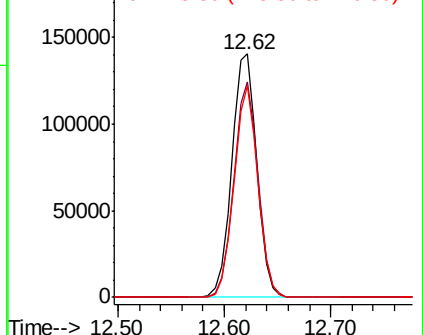
95 100

174 86.2 0.0 163.2

176 82.8 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: VW008732.D

Acq: 18 Feb 2019 16:52

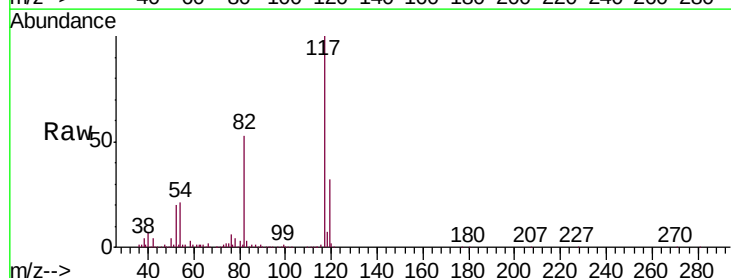
Tgt Ion: 117 Resp: 492389

Ion Ratio Lower Upper

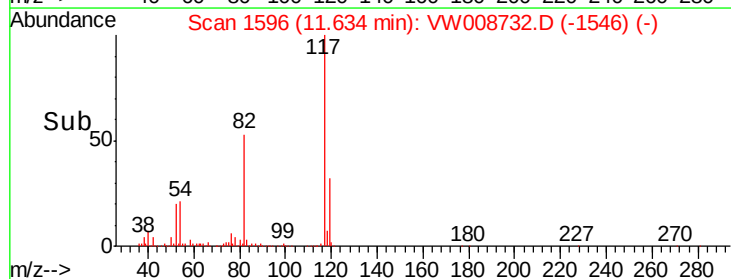
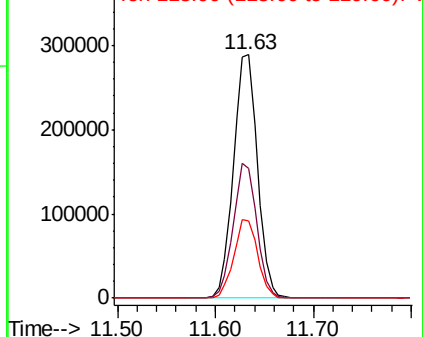
117 100

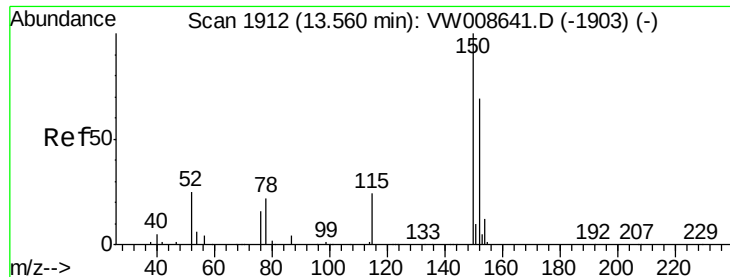
82 53.4 45.6 68.4

119 31.8 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: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

M-14-DRE

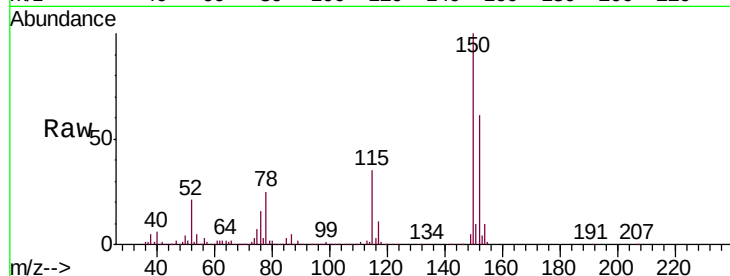
Tgt Ion: 152 Resp: 239940

Ion Ratio Lower Upper

152 100

115 57.1 29.3 87.8

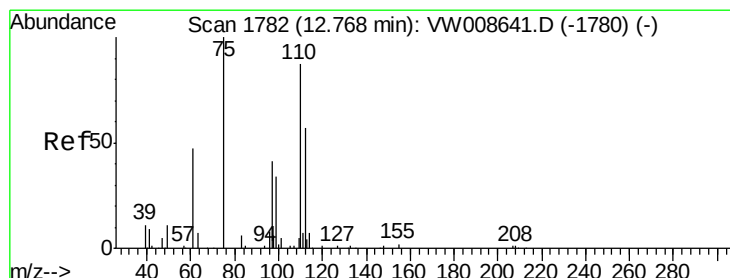
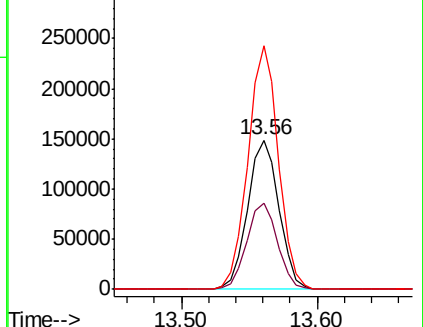
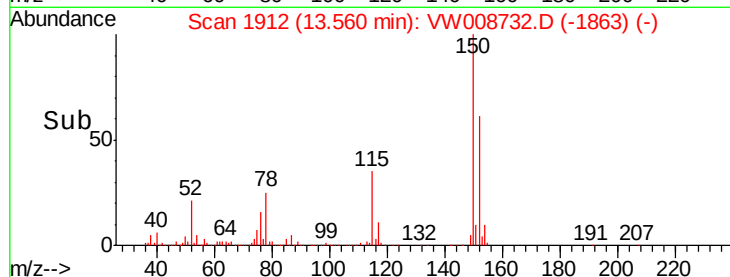
150 158.4 0.0 352.8



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: 50.980 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008732.D

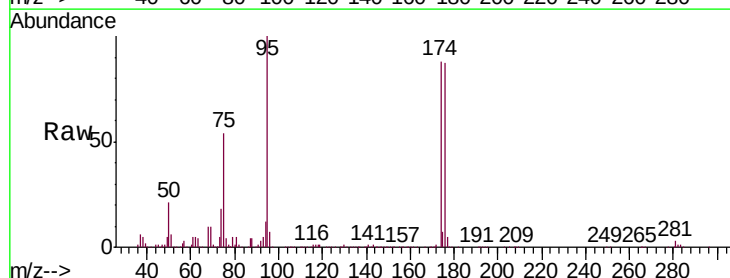
Acq: 18 Feb 2019 16:52

Tgt Ion: 75 Resp: 120787

Ion Ratio Lower Upper

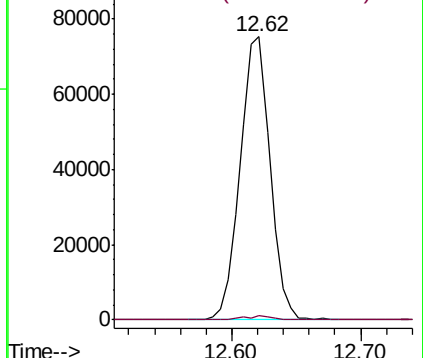
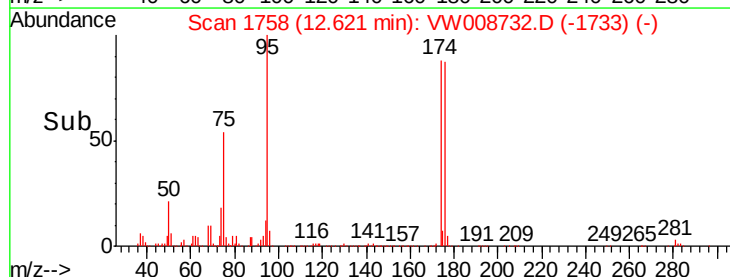
75 100

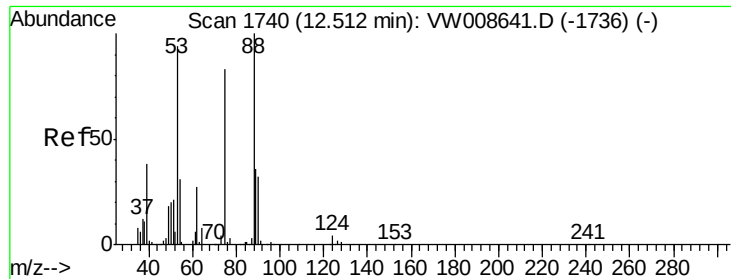
77 1.3 0.0 0.0#



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: 109.257 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008732.D

Acq: 18 Feb 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

M-14-DRE

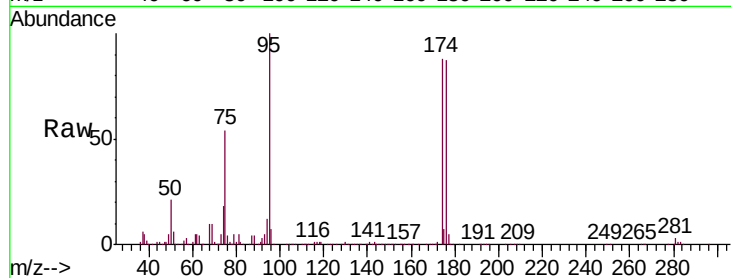
Tgt Ion: 75 Resp: 120787

Ion Ratio Lower Upper

75 100

53 0.2 87.4 131.0#

89 0.0 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

