

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008883.D
 Acq On : 28 Feb 2019 13:20
 Operator : SY/VA
 Sample : K1650-03
 Misc : 6.41G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(24-25)

Quant Time: Mar 01 05:59:47 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	292800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189888	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	158992	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	7.88	113	132822	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	10.32	98	526633	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	182074	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

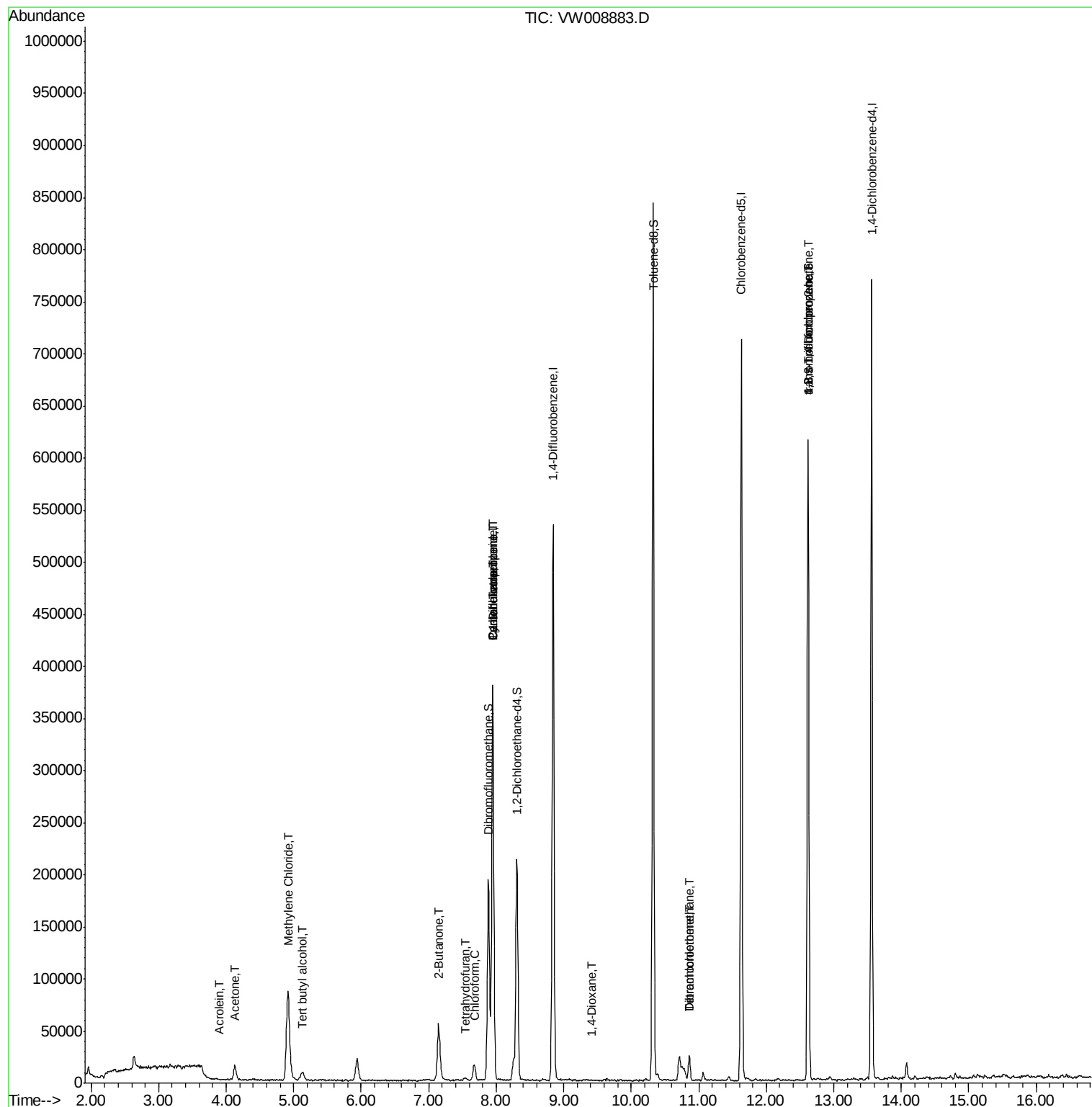
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	7530	30.799	ug/l #	71
13) Acrolein	3.90	56	35	19.905	ug/l #	1
16) Acetone	4.13	43	24445	38.403	ug/l #	88
20) Methylene Chloride	4.92	84	69514	19.001	ug/l	96
25) 2-Butanone	7.14	43	4145	4.658	ug/l #	63
29) Tetrahydrofuran	7.54	42	2242	3.953	ug/l #	69
30) Chloroform	7.68	83	12791	2.438	ug/l	99
31) Cyclohexane	7.95	56	6302	1.217	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21906	5.037	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28696	6.256	ug/l #	16
49) 1,4-Dioxane	9.43	88	28	1.071	ug/l #	1
60) Dibromochloromethane	10.86	129	4200	1.556	ug/l #	10
64) Tetrachloroethene	10.86	164	4922	1.755	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	96309	61.430	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96309	149.342	ug/l #	6

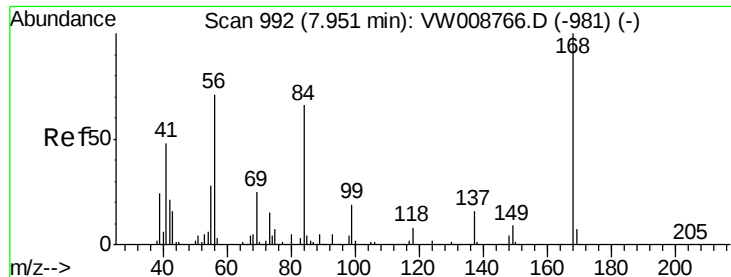
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

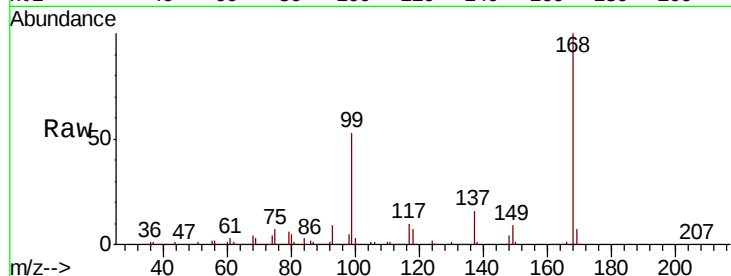
B-1(24-25)

Tot Ion:168 Resp: 292800

Ion Ratio Lower Upper

168 100

99 53.4 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

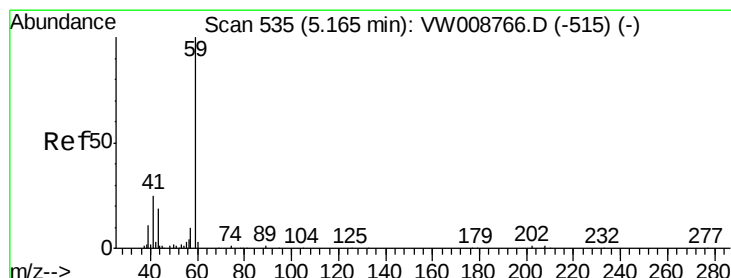
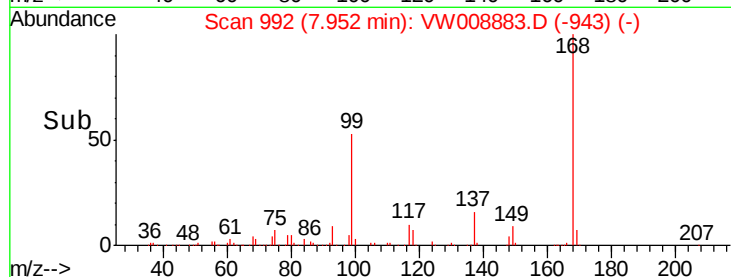
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 30.799 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW008883.D

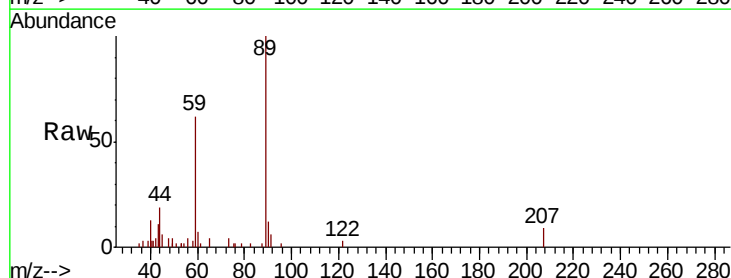
Acq: 28 Feb 2019 13:20

Tgt Ion: 59 Resp: 7530

Ion Ratio Lower Upper

59 100

57 0.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

2000

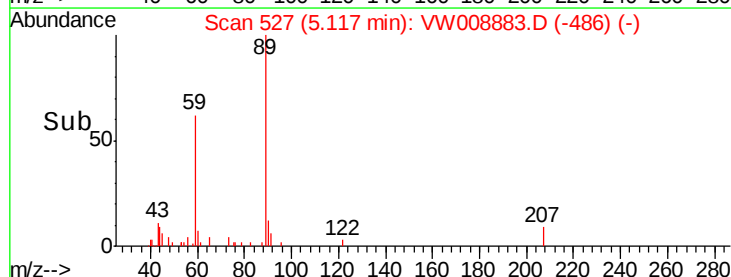
1500

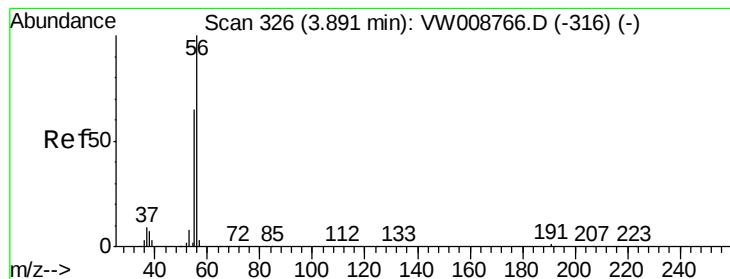
1000

500

0

Time-->





#13

Acrolein

Concen: 19.905 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

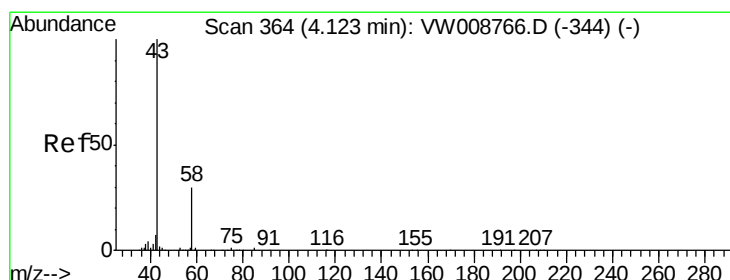
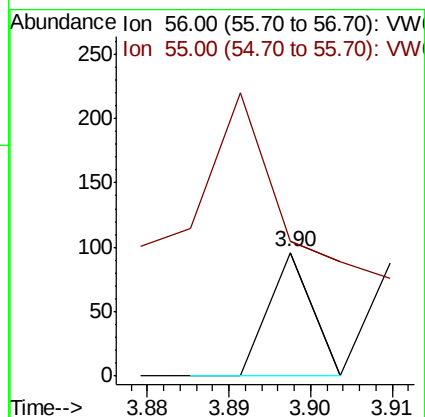
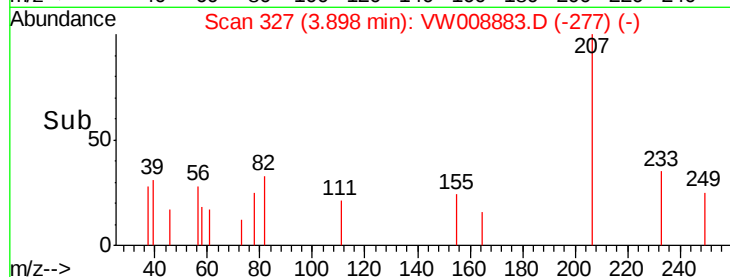
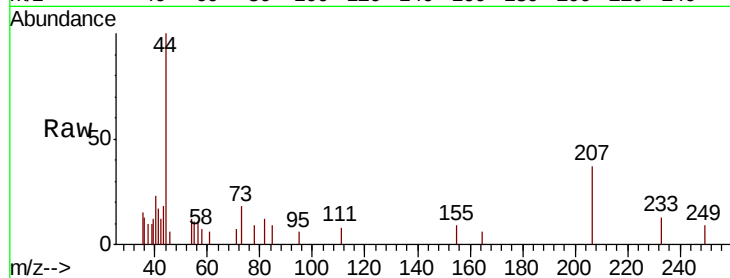
B-1(24-25)

Tot Ion: 56 Resp: 35

Ion Ratio Lower Upper

56 100

55 980.0 56.9 85.3#



#16

Acetone

Concen: 38.403 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008883.D

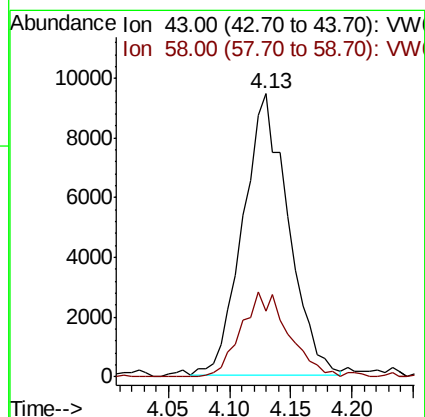
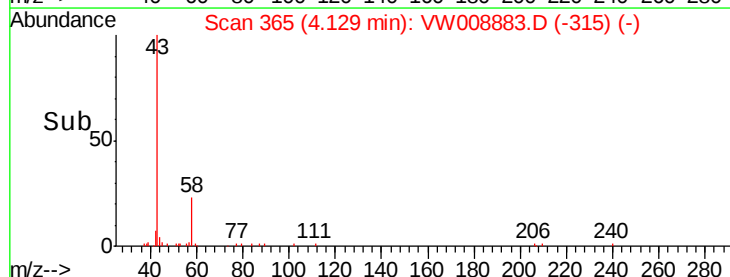
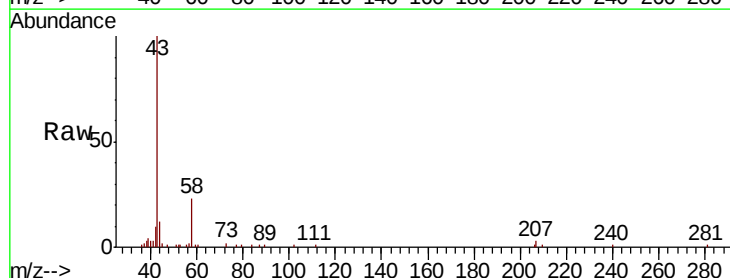
Acq: 28 Feb 2019 13:20

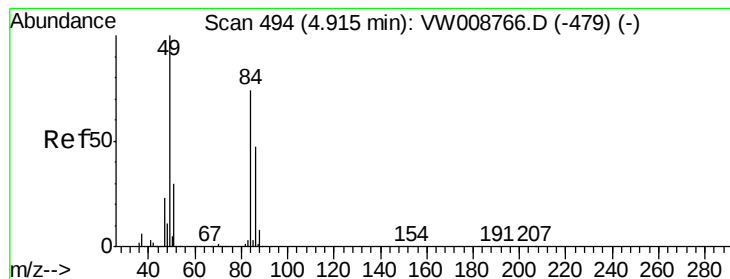
Tgt Ion: 43 Resp: 24445

Ion Ratio Lower Upper

43 100

58 23.4 23.8 35.6#





#20

Methylene Chloride

Concen: 19.001 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

Tot Ion: 84 Resp: 69514

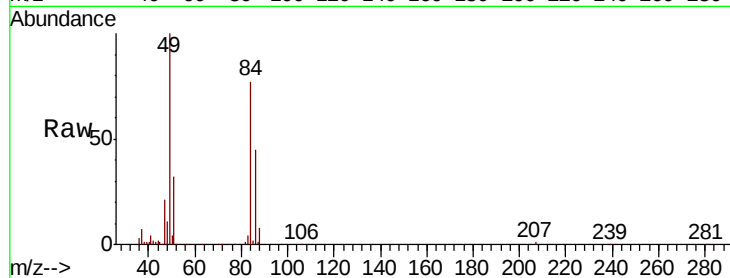
Ion Ratio Lower Upper

84 100

49 130.2 108.2 162.2

51 41.2 32.7 49.1

86 58.5 50.3 75.5

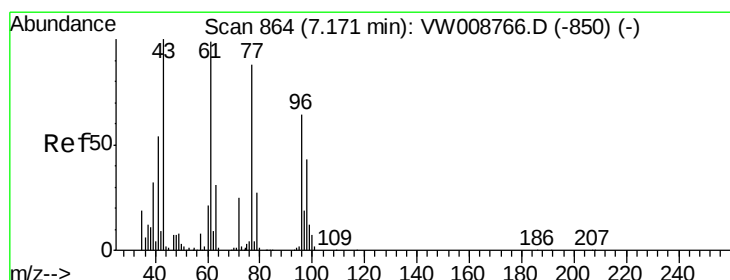
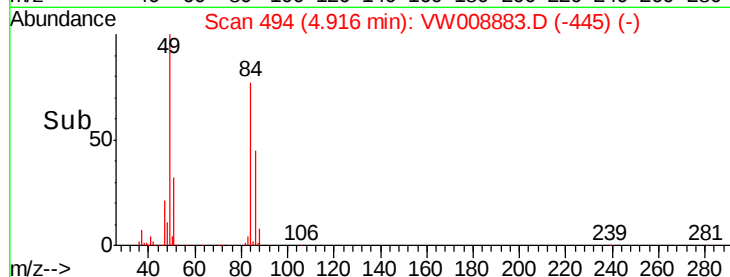
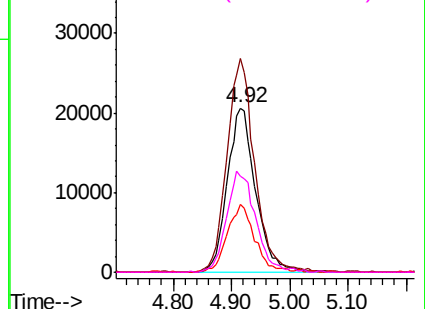


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 4.658 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008883.D

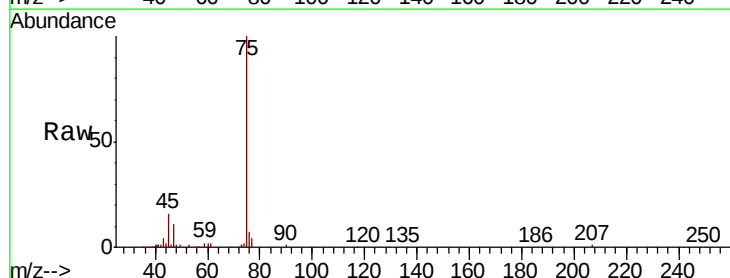
Acq: 28 Feb 2019 13:20

Tgt Ion: 43 Resp: 4145

Ion Ratio Lower Upper

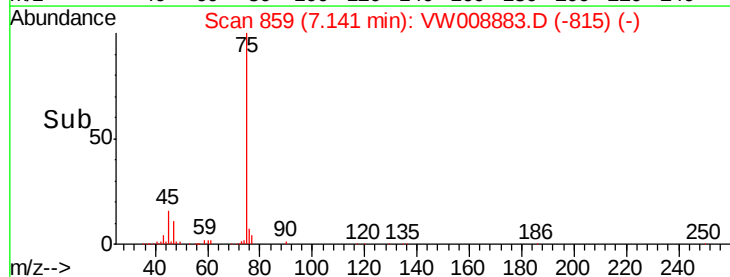
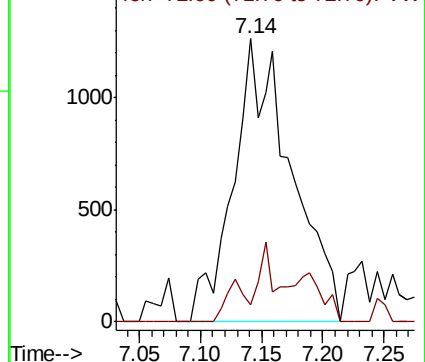
43 100

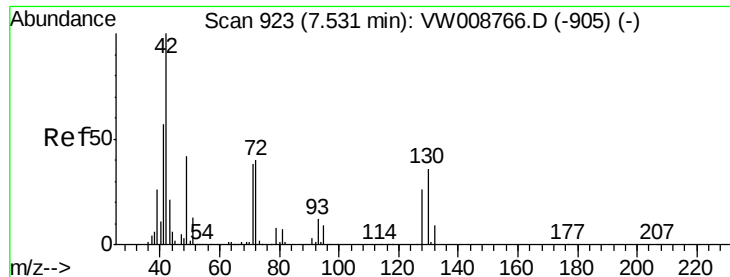
72 6.2 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 3.953 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

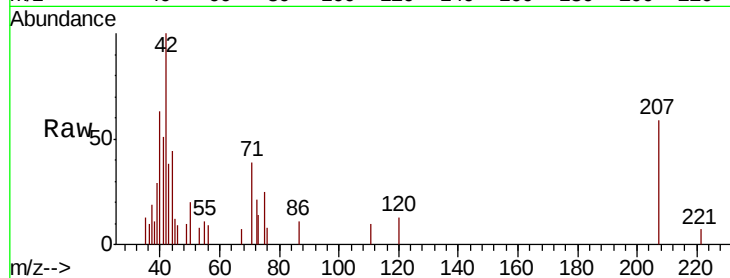
Tot Ion: 42 Resp: 2242

Ion Ratio Lower Upper

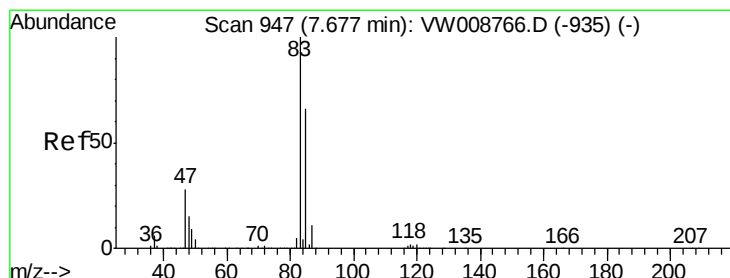
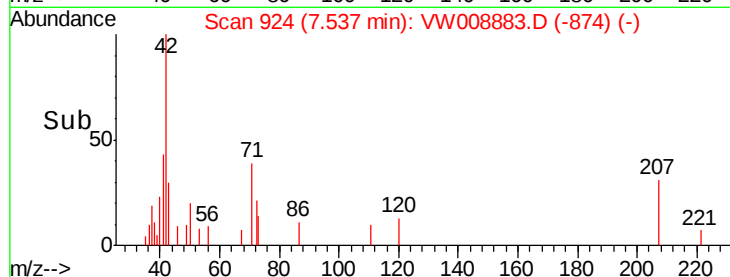
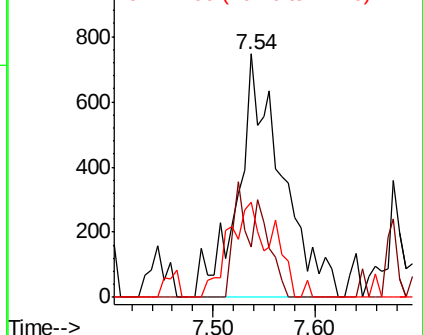
42 100

72 13.9 32.7 49.1#

71 27.4 31.3 46.9#



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



#30

Chloroform

Concen: 2.438 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008883.D

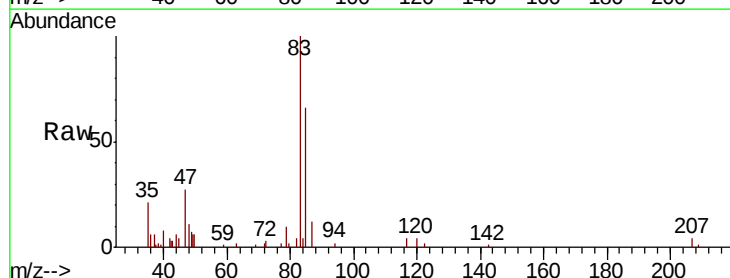
Acq: 28 Feb 2019 13:20

Tgt Ion: 83 Resp: 12791

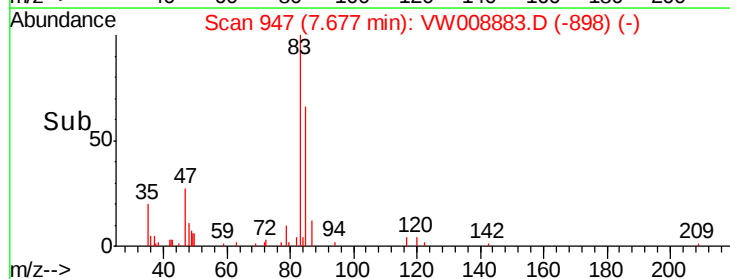
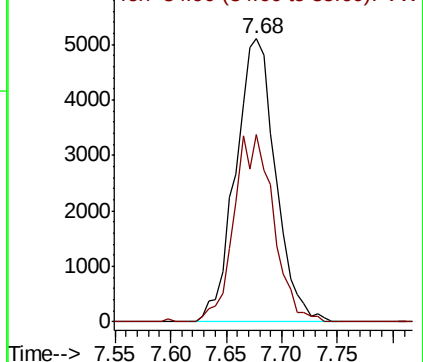
Ion Ratio Lower Upper

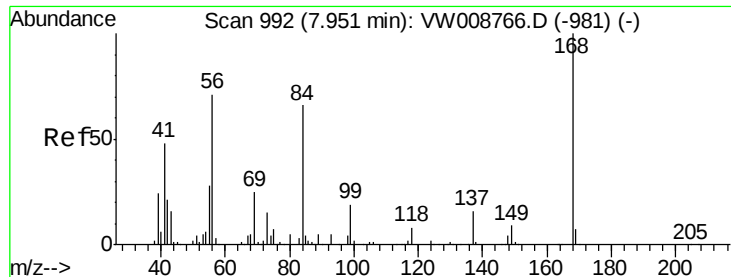
83 100

85 66.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

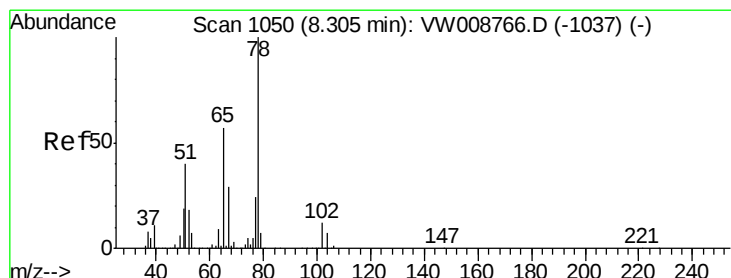
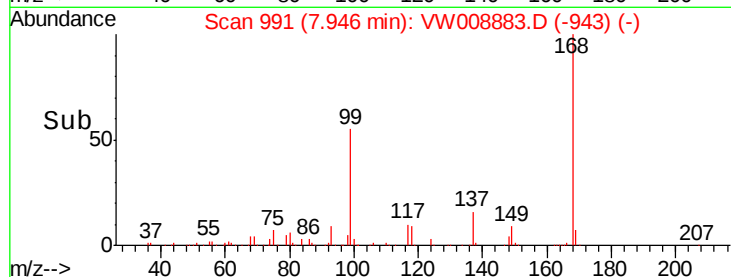
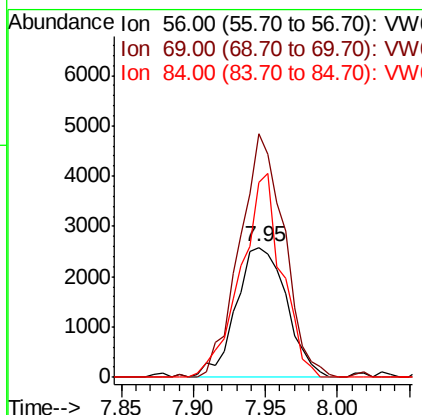
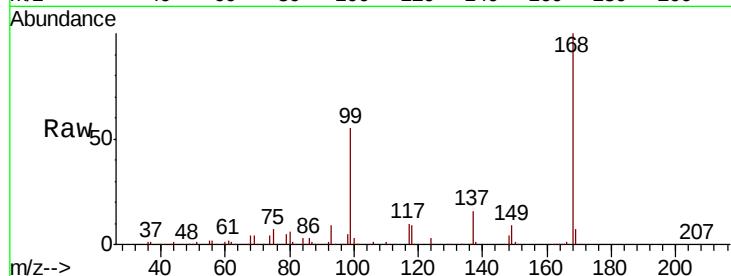




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

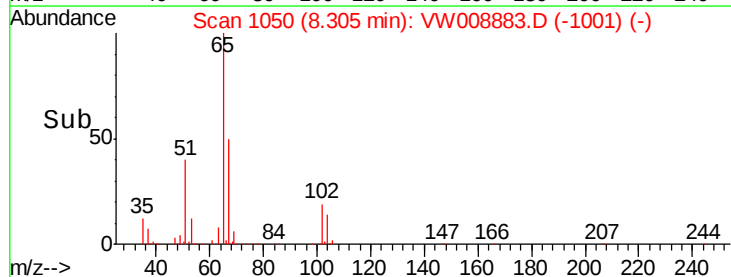
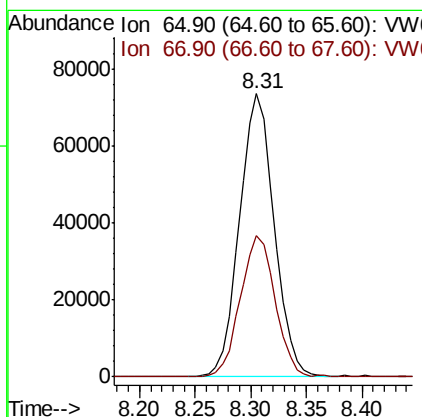
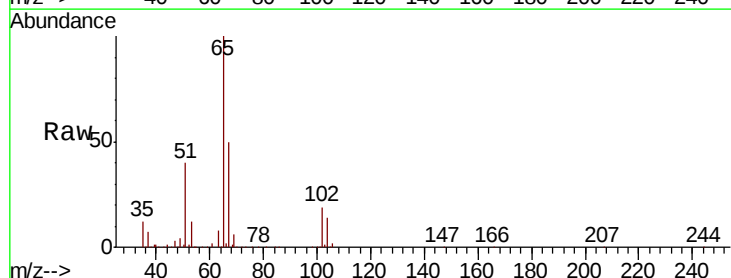
Instrument :
MSVOA_W
ClientSampleId :
B-1(24-25)

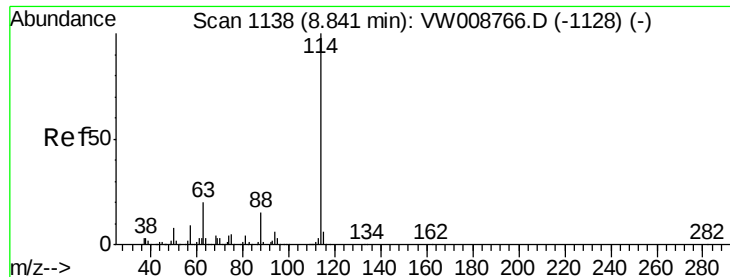
Tot Ion: 56 Resp: 6302
Ion Ratio Lower Upper
56 100
69 187.0 28.2 42.4#
84 150.1 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 57.895 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

Tgt Ion: 65 Resp: 158992
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.4

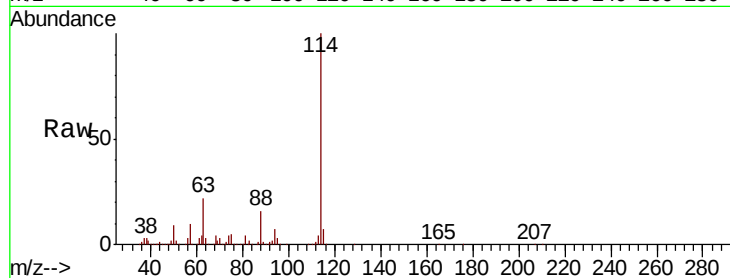




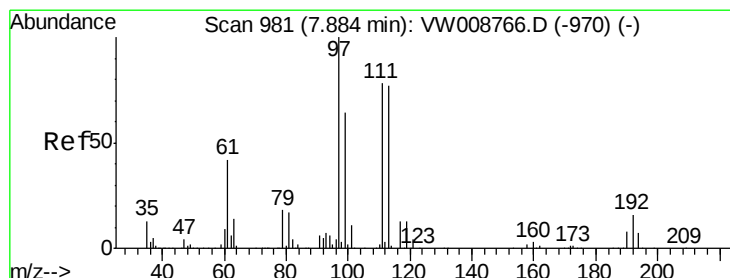
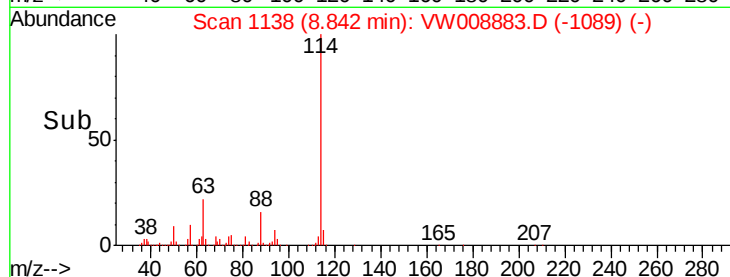
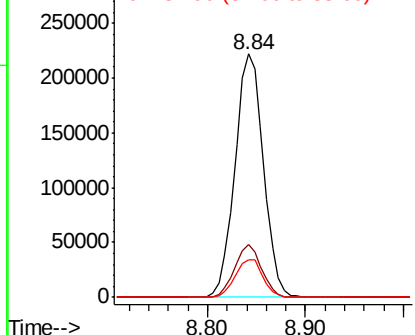
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

Instrument :
MSVOA_W
ClientSampleId :
B-1(24-25)

Tot Ion:114 Resp: 446786
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 15.7 0.0 30.4

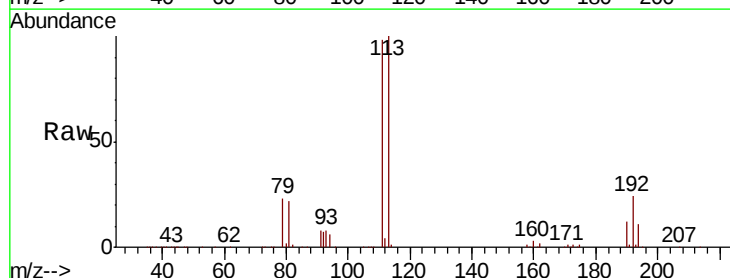


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

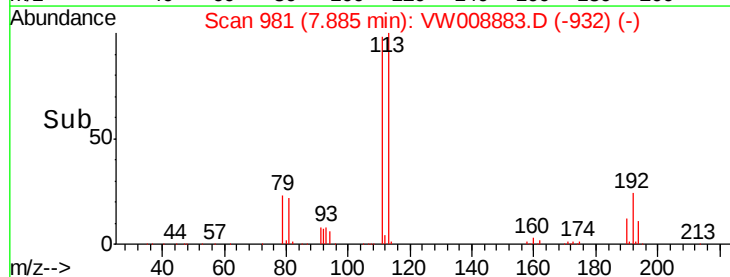
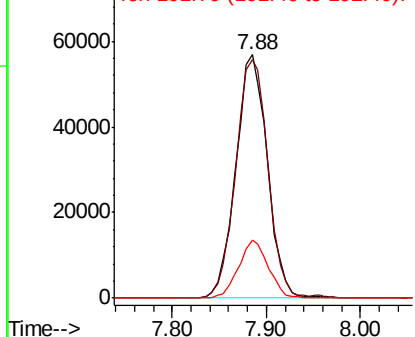


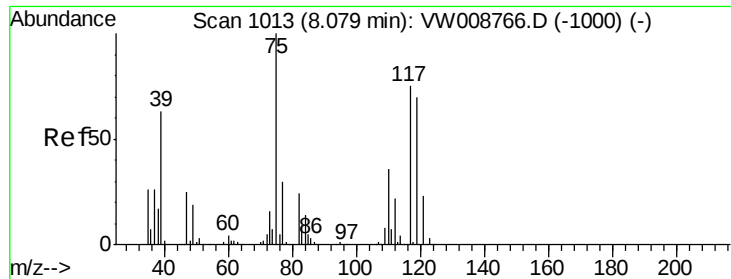
#35
Dibromofluoromethane
Concen: 49.513 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

Tgt Ion:113 Resp: 132822
Ion Ratio Lower Upper
113 100
111 99.9 81.9 122.9
192 22.4 17.1 25.7



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: 5.037 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

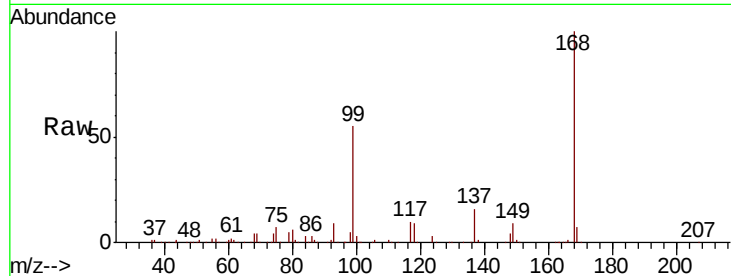
Tot Ion: 75 Resp: 21906

Ion Ratio Lower Upper

75 100

110 10.4 17.5 52.6#

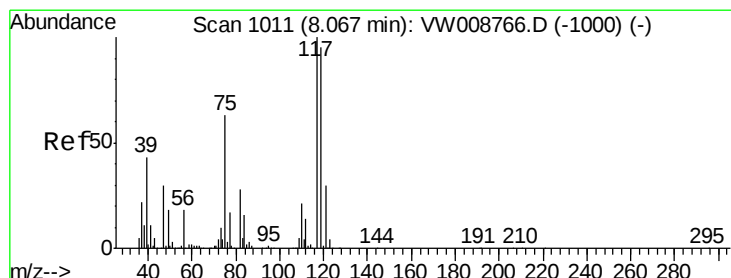
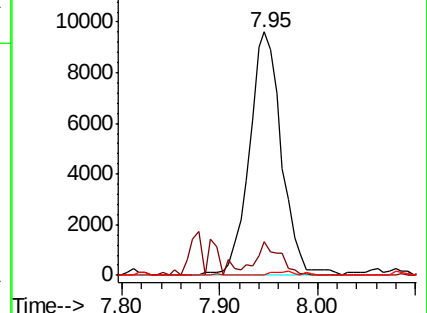
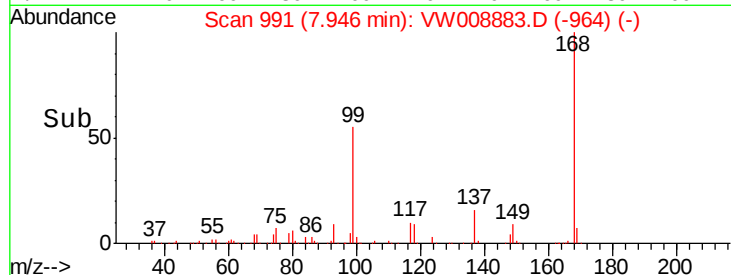
77 0.0 24.5 36.7#



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: 6.256 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

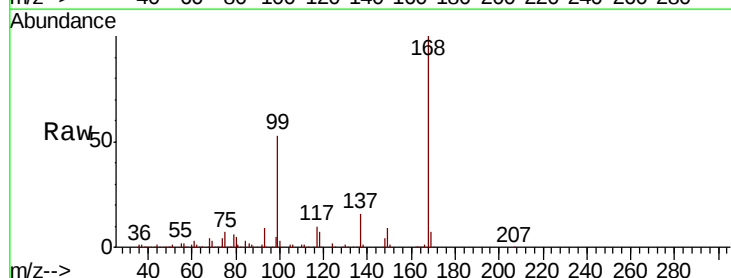
Tgt Ion: 117 Resp: 28696

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

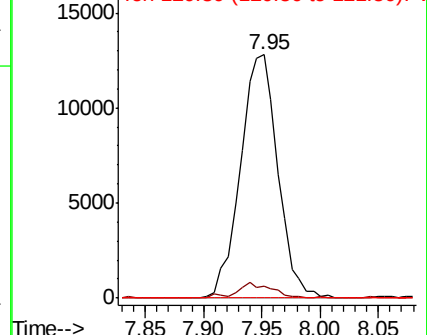
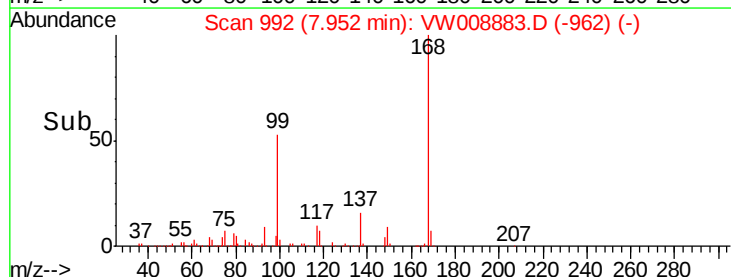
121 0.0 24.0 36.0#

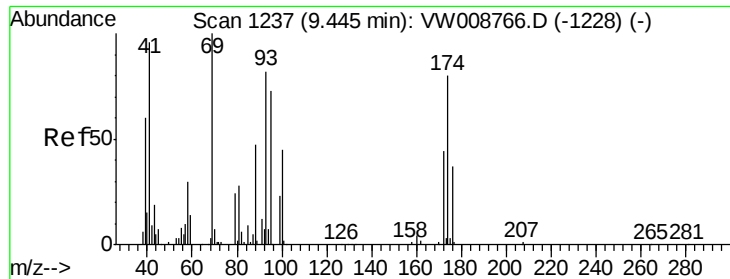


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.071 ug/l

RT: 9.43 min Scan# 1234

Delta R.T. -0.02 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

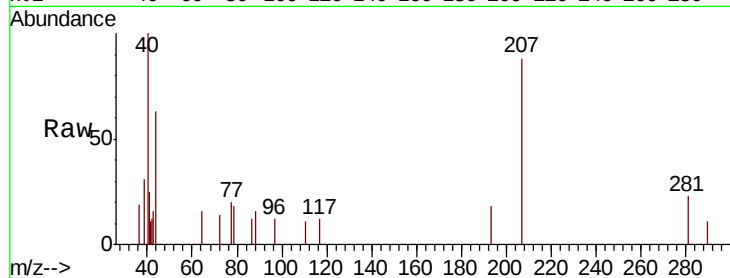
Tot Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 1003.6 29.0 43.4#

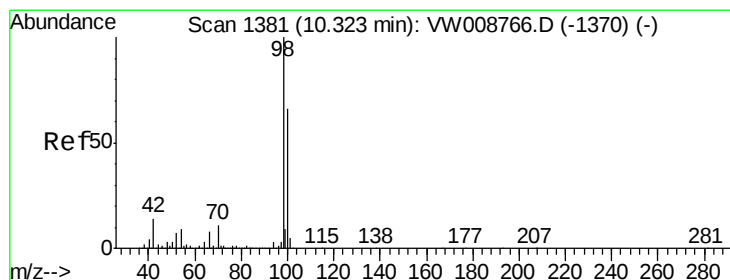
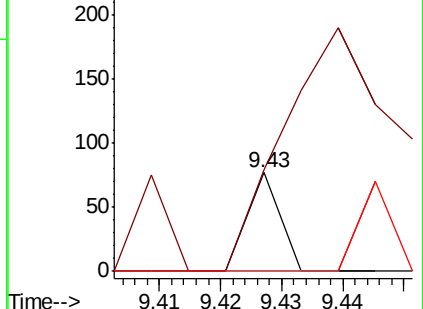
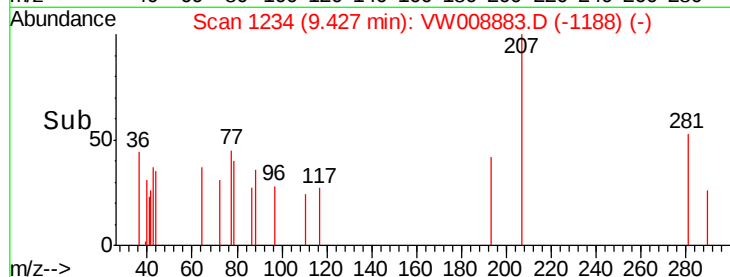
58 92.9 52.0 78.0#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.856 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008883.D

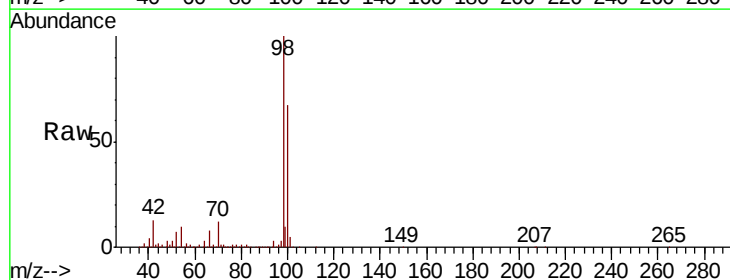
Acq: 28 Feb 2019 13:20

Tgt Ion: 98 Resp: 526633

Ion Ratio Lower Upper

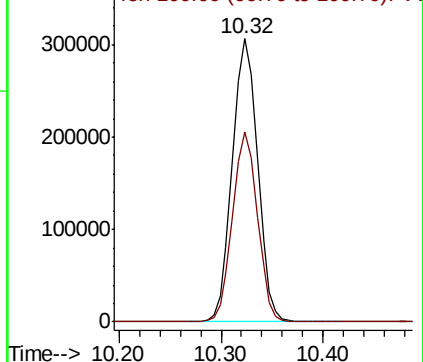
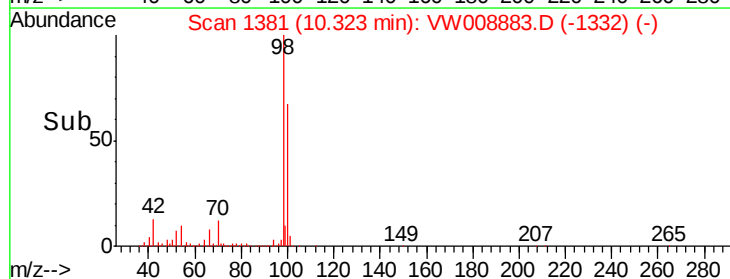
98 100

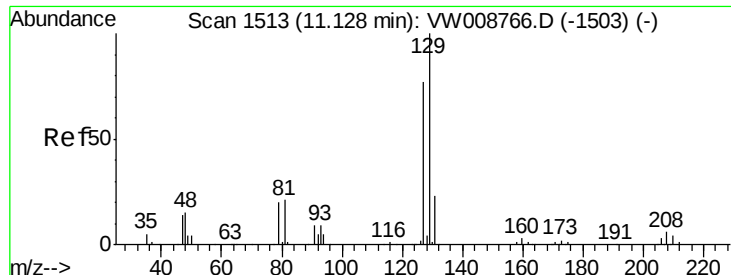
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

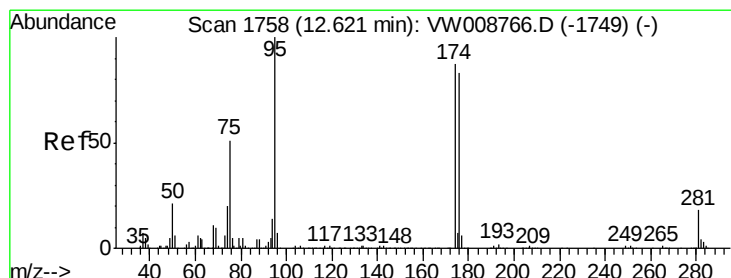
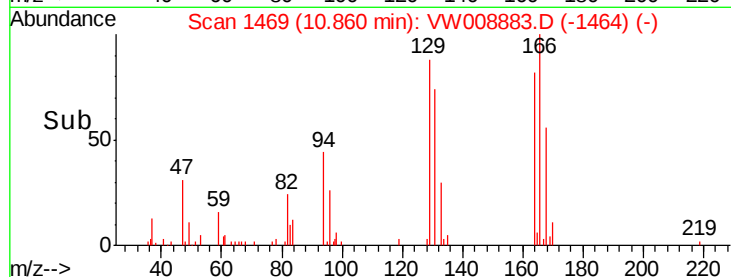
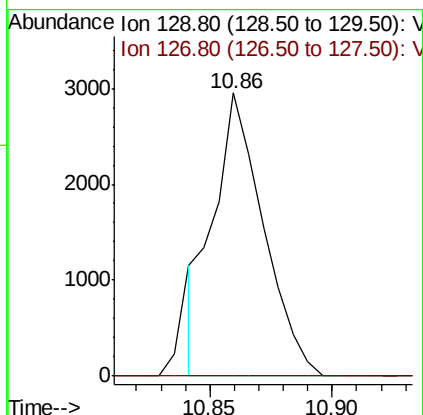
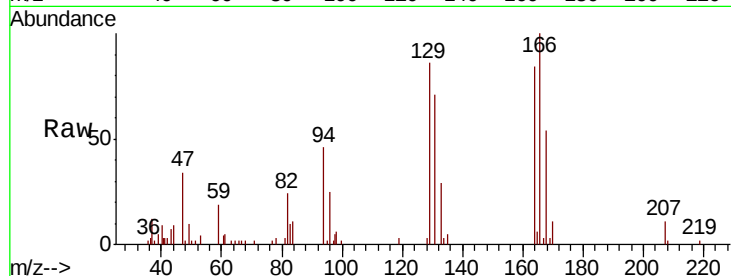




#60
 Dibromochloromethane
 Concen: 1.556 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW008883.D
 Acq: 28 Feb 2019 13:20

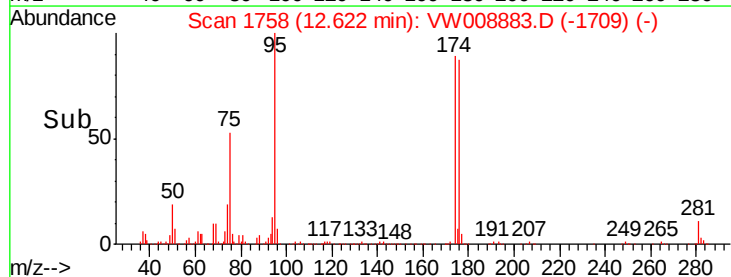
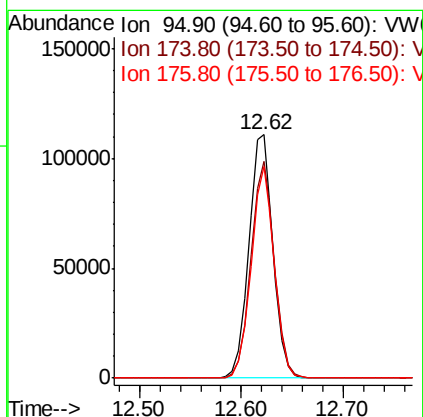
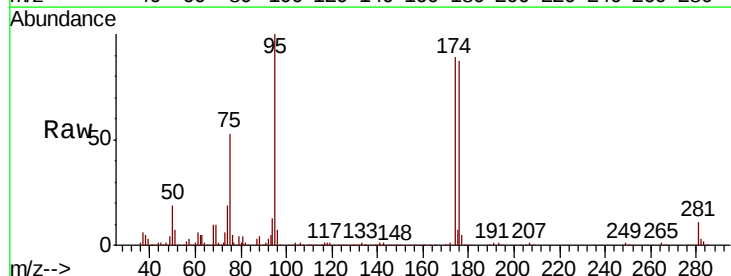
Instrument :
 MSVOA_W
 ClientSampleId :
 B-1(24-25)

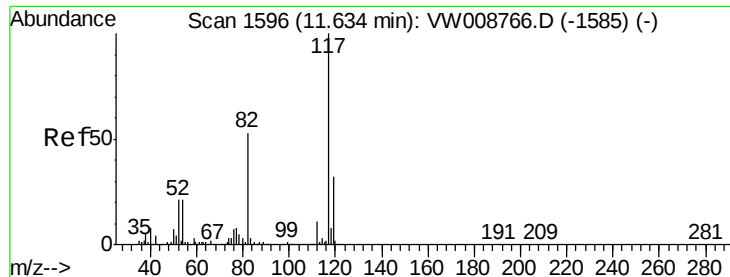
Tot Ion:129 Resp: 4200
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 44.906 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008883.D
 Acq: 28 Feb 2019 13:20

Tgt Ion: 95 Resp: 182074
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 169.2
 176 83.6 0.0 163.6

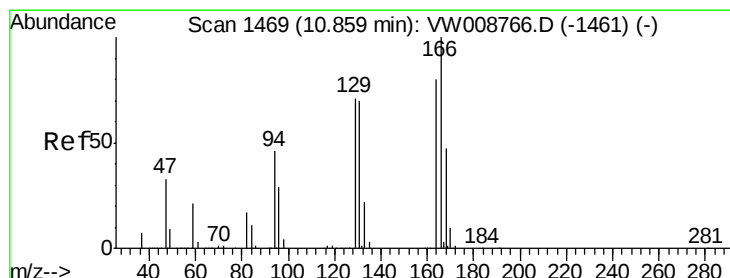
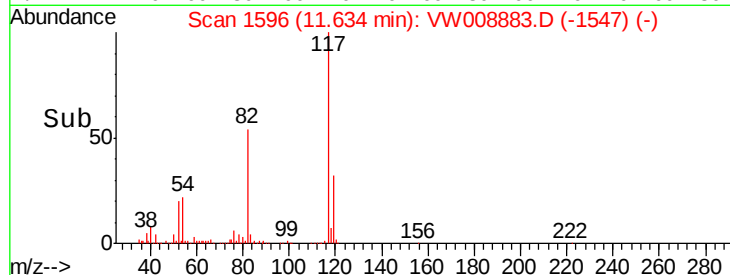
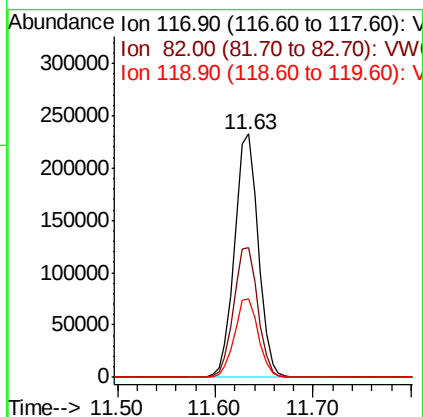
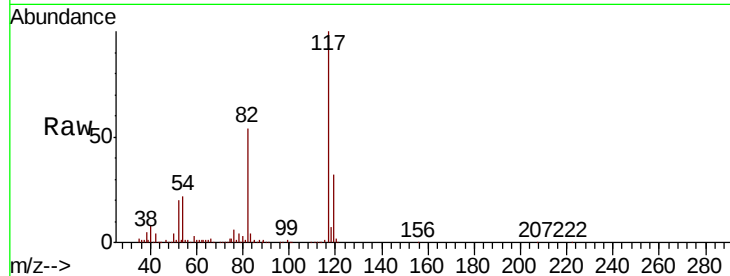




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

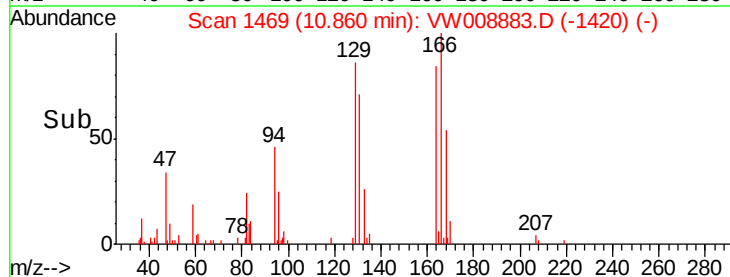
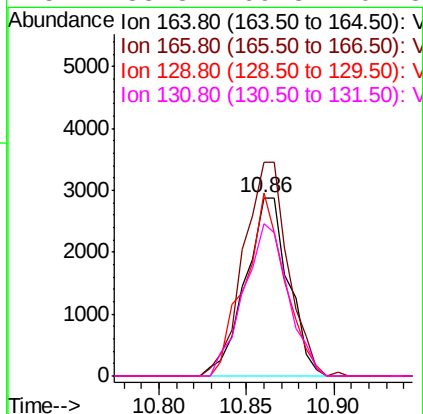
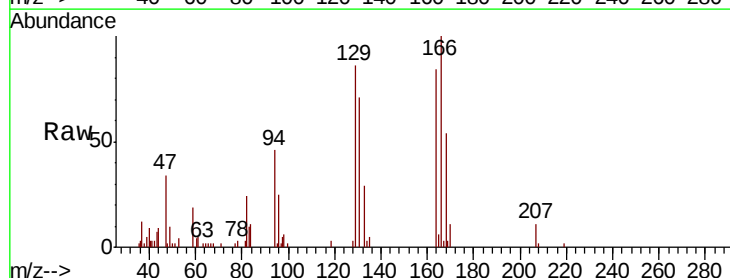
Instrument :
MSVOA_W
ClientSampleId :
B-1(24-25)

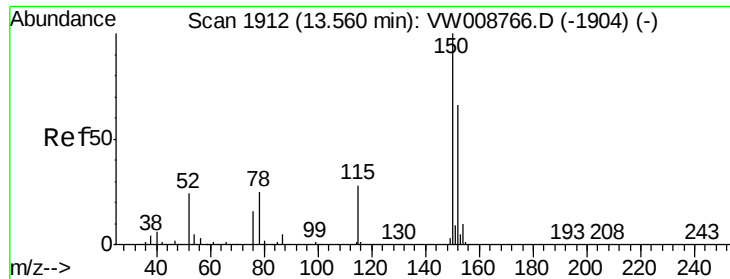
Tot Ion:117 Resp: 391744
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 32.1 25.9 38.9



#64
Tetrachloroethene
Concen: 1.755 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008883.D
Acq: 28 Feb 2019 13:20

Tgt Ion:164 Resp: 4922
Ion Ratio Lower Upper
164 100
166 119.6 99.5 149.3
129 102.3 71.1 106.7
131 85.3 69.8 104.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

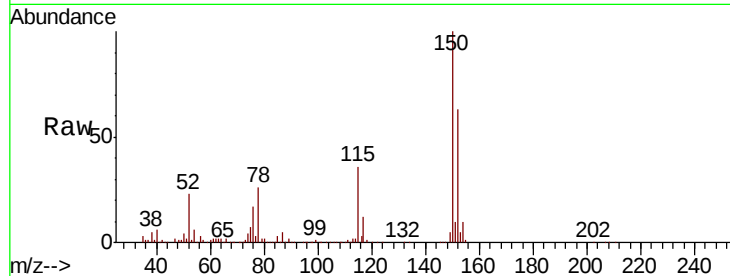
Tot Ion:152 Resp: 189888

Ion Ratio Lower Upper

152 100

115 56.2 28.6 85.8

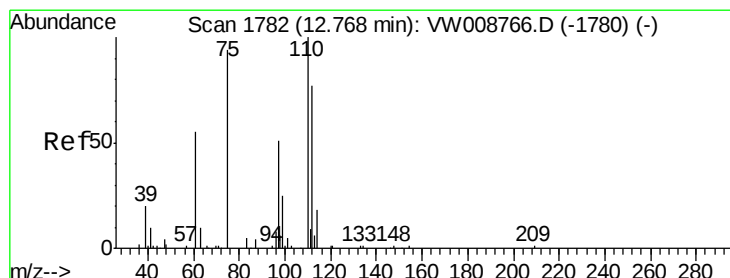
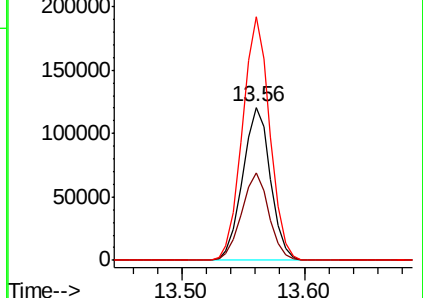
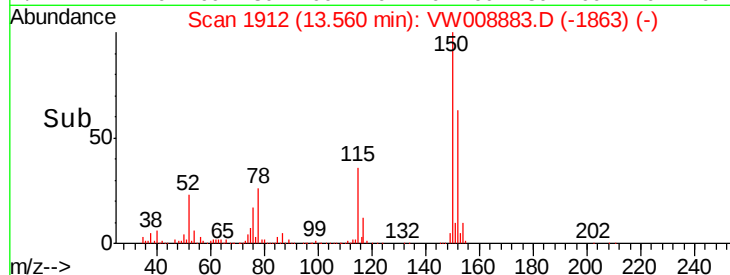
150 156.5 0.0 348.0



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: 61.430 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008883.D

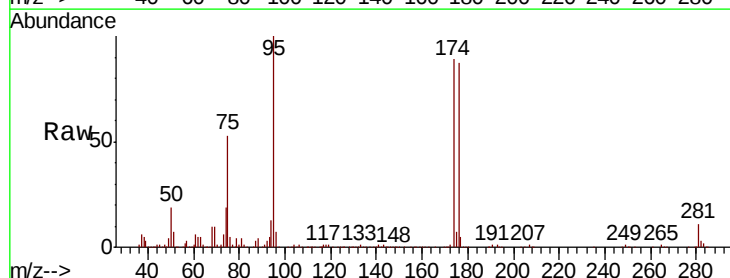
Acq: 28 Feb 2019 13:20

Tgt Ion: 75 Resp: 96309

Ion Ratio Lower Upper

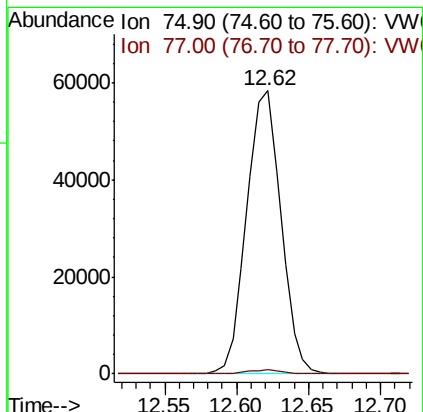
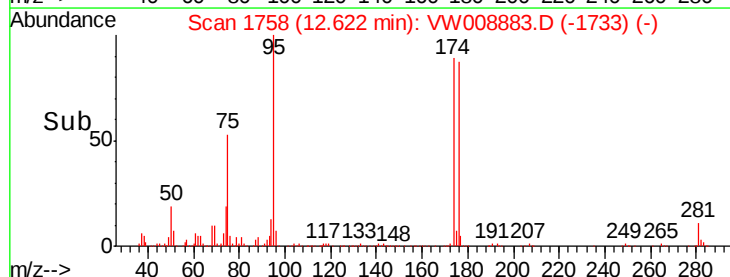
75 100

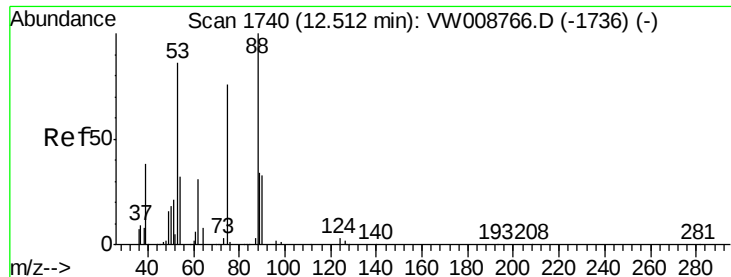
77 1.4 0.0 0.0#



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: 149.342 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008883.D

Acq: 28 Feb 2019 13:20

Instrument :

MSVOA_W

ClientSampleId :

B-1(24-25)

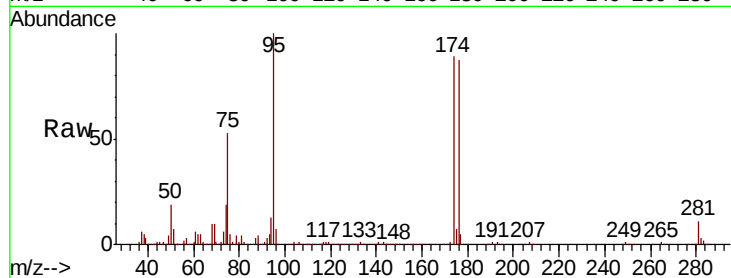
Tot Ion: 75 Resp: 96309

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 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

