

Data File : VW008983.D
Acq On : 05 Mar 2019 01:57
Operator : SY/VA
Sample : K1715-03
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4-B-S

Quant Time: Mar 05 06:34:32 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	339573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	524337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186554	58.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.14%	
35) Dibromofluoromethane	7.88	113	159750	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.32	98	624915	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	209432	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	

Target Compounds

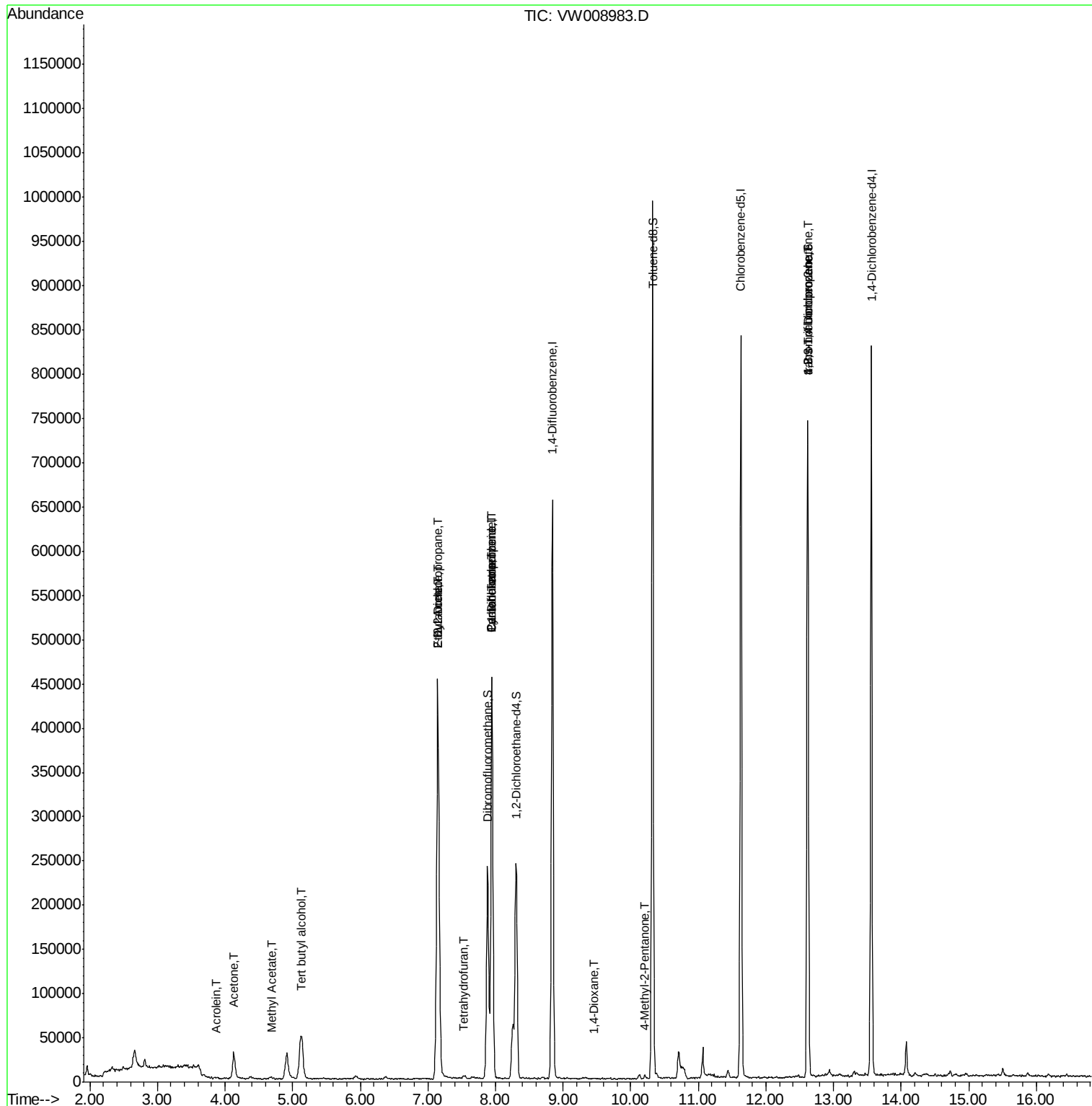
						Qvalue
11) Tert butyl alcohol	5.13	59	47624	167.962	ug/l #	74
13) Acrolein	3.87	56	323	20.774	ug/l	89
16) Acetone	4.13	43	49425	66.951	ug/l	99
18) Methyl Acetate	4.68	43	3371	1.925	ug/l	98
25) 2-Butanone	7.16	43	31971	30.977	ug/l #	77
26) 2,2-Dichloropropane	7.15	77	29419	5.463	ug/l #	54
29) Tetrahydrofuran	7.53	42	2583	3.927	ug/l	94
31) Cyclohexane	7.95	56	8152	1.358	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	27137	5.317	ug/l #	50
37) Ethyl Acetate	7.16	43	31971	13.470	ug/l #	23
38) Carbon Tetrachloride	7.95	117	32752	6.085	ug/l #	15
49) 1,4-Dioxane	9.44	88	68	2.217	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	2738	1.138	ug/l #	83
76) 1,2,3-Trichloropropane	12.62	75	110255	64.745	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	110255	157.400	ug/l #	6

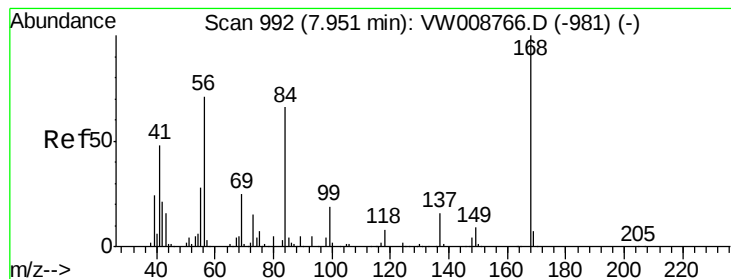
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

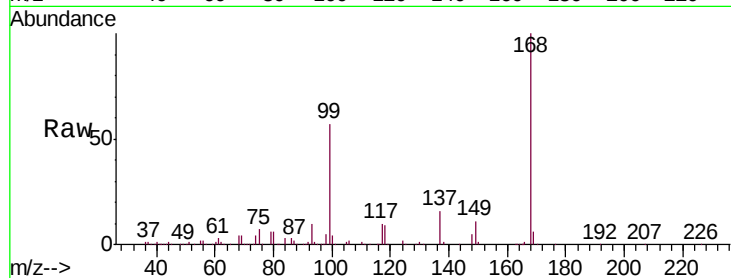
TP-4-B-S

Tgt Ion:168 Resp: 339573

Ion Ratio Lower Upper

168 100

99 57.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

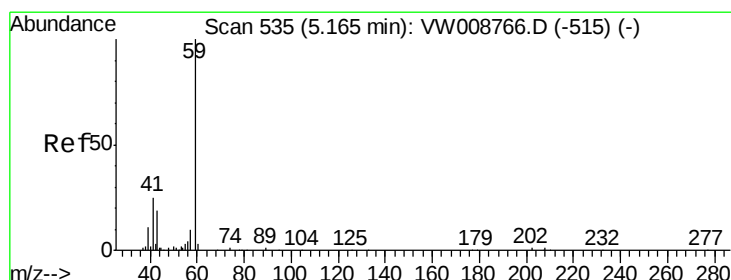
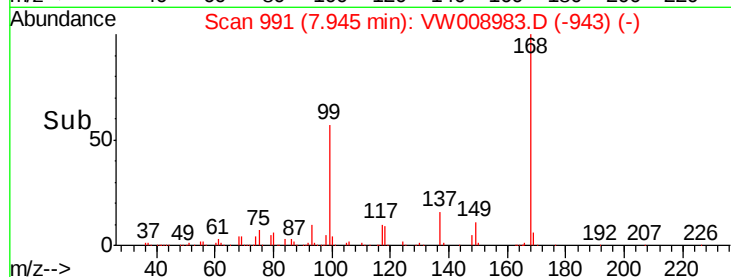
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 167.962 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW008983.D

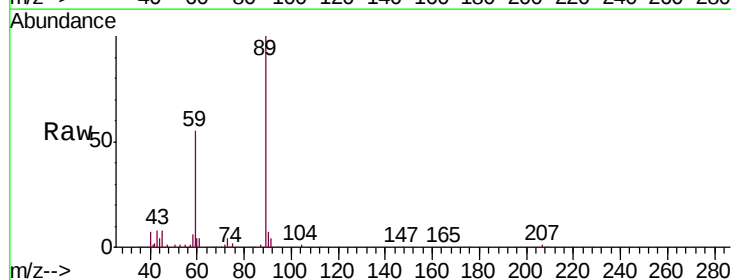
Acq: 05 Mar 2019 01:57

Tgt Ion: 59 Resp: 47624

Ion Ratio Lower Upper

59 100

57 1.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

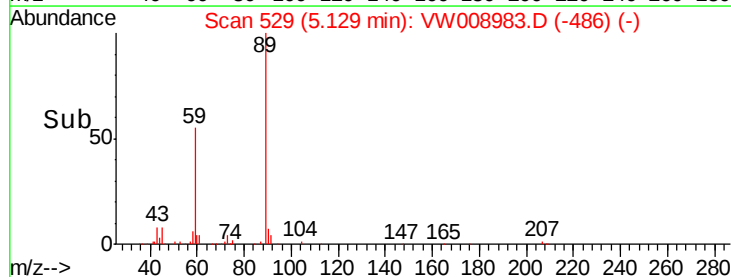
5.13

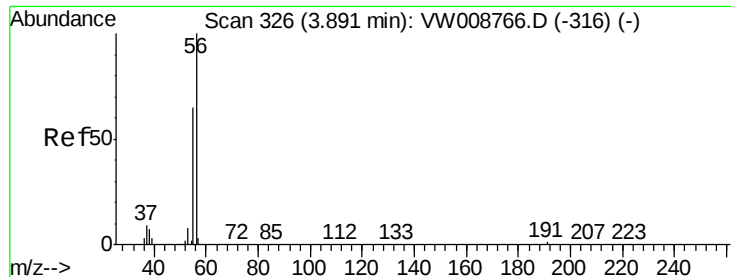
10000

5000

0

Time-->





#13

Acrolein

Concen: 20.774 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

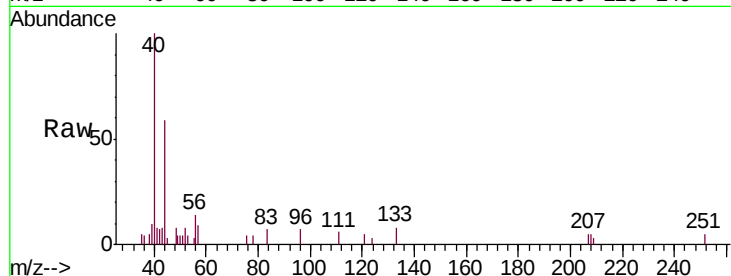
TP-4-B-S

Tgt Ion: 56 Resp: 323

Ion Ratio Lower Upper

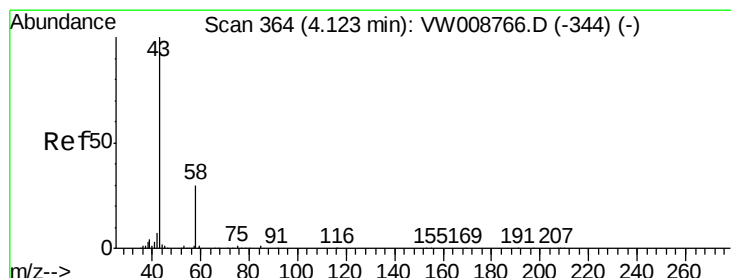
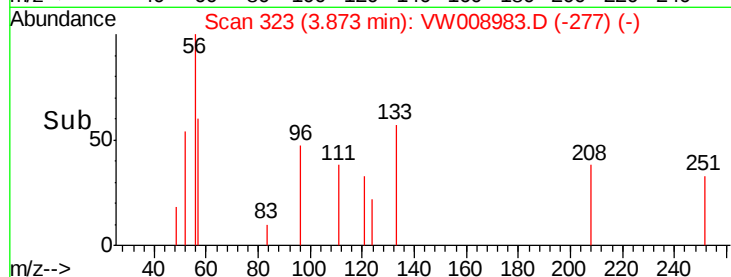
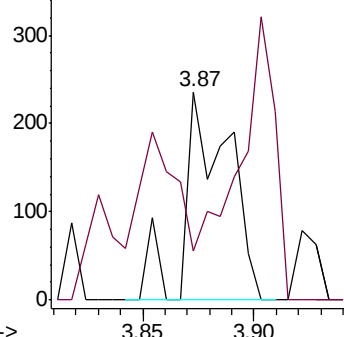
56 100

55 61.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 66.951 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008983.D

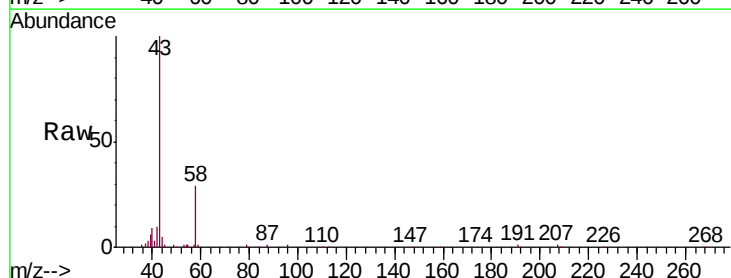
Acq: 05 Mar 2019 01:57

Tgt Ion: 43 Resp: 49425

Ion Ratio Lower Upper

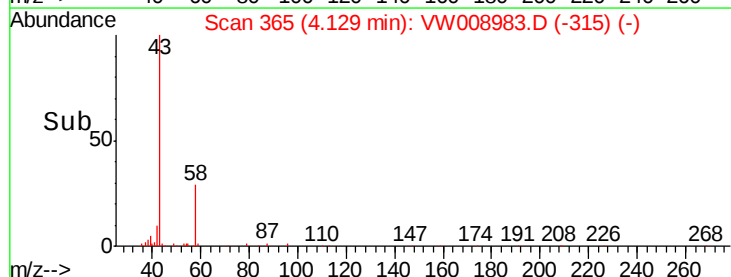
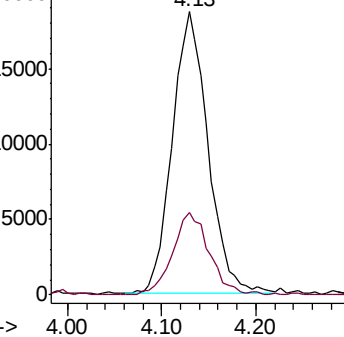
43 100

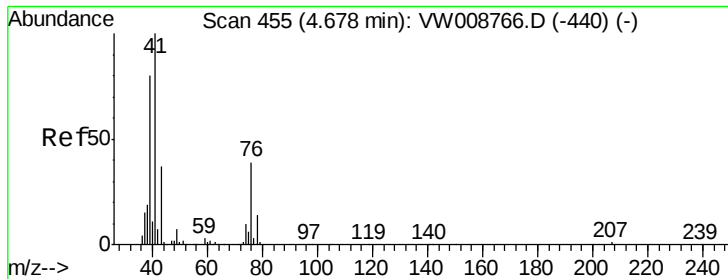
58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

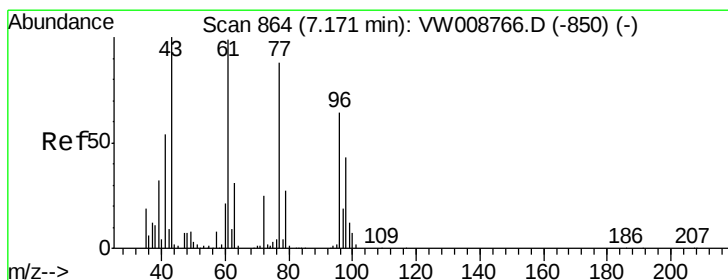
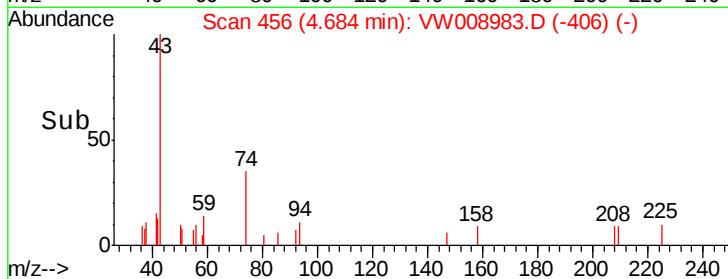
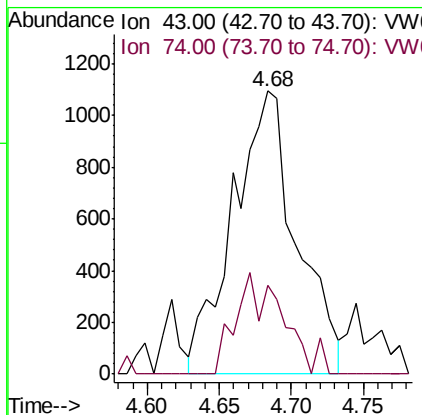
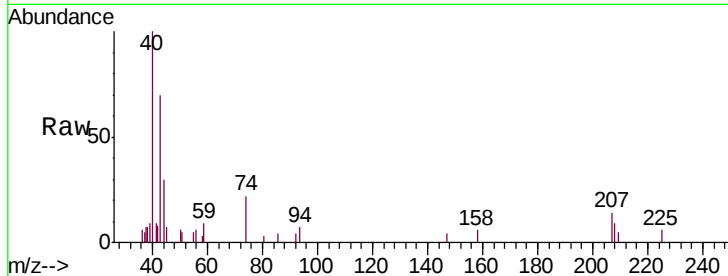




#18
Methyl Acetate
Concen: 1.925 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008983.D
Acq: 05 Mar 2019 01:57

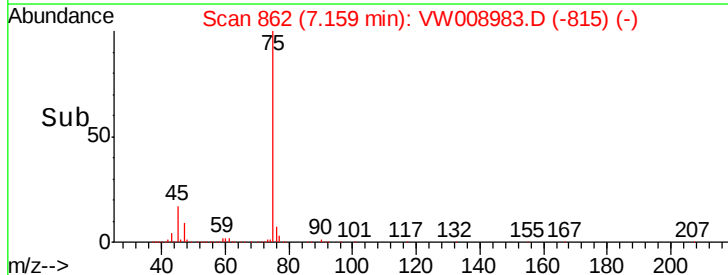
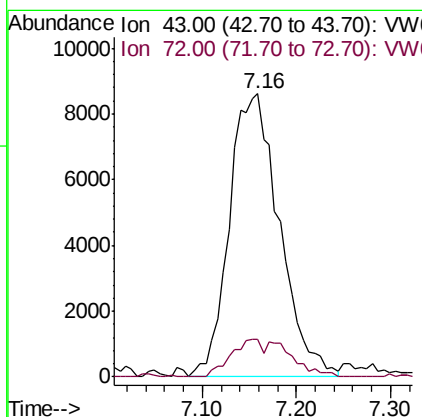
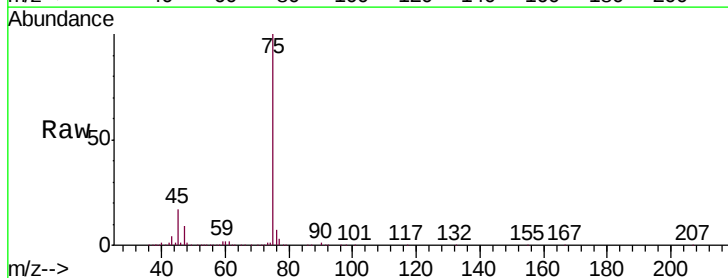
Instrument :
MSVOA_W
ClientSampled :
TP-4-B-S

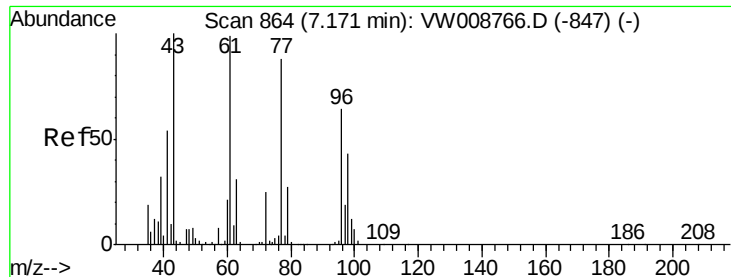
Tgt Ion: 43 Resp: 3371
Ion Ratio Lower Upper
43 100
74 25.2 19.4 29.2



#25
2-Butanone
Concen: 30.977 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008983.D
Acq: 05 Mar 2019 01:57

Tgt Ion: 43 Resp: 31971
Ion Ratio Lower Upper
43 100
72 13.2 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 5.463 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

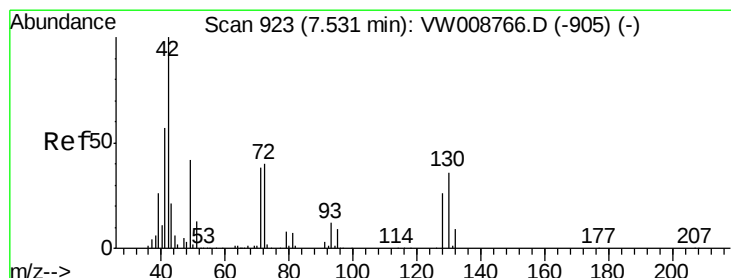
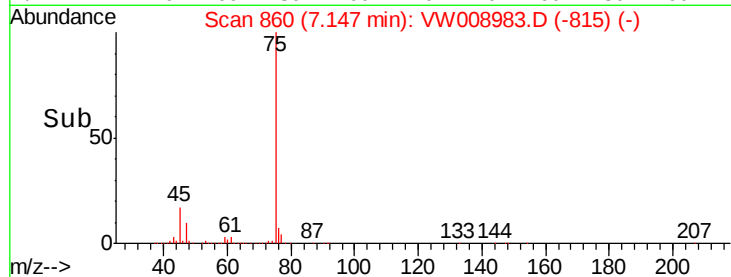
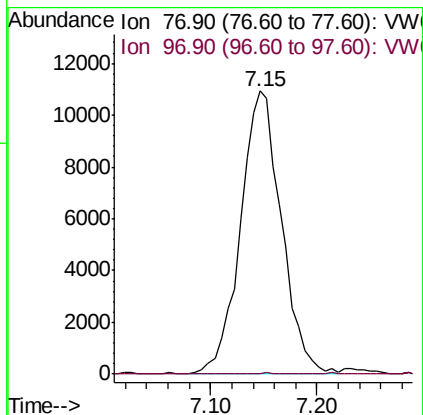
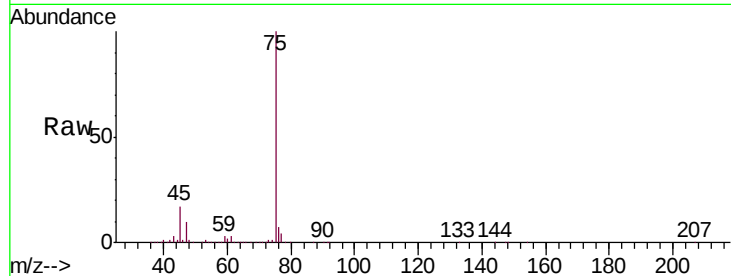
TP-4-B-S

Tgt Ion: 77 Resp: 29419

Ion Ratio Lower Upper

77 100

97 0.1 11.0 33.0#



#29

Tetrahydrofuran

Concen: 3.927 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

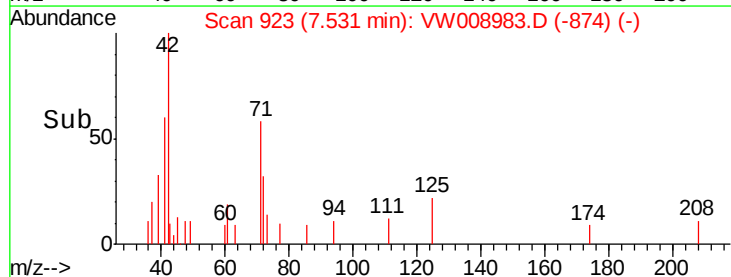
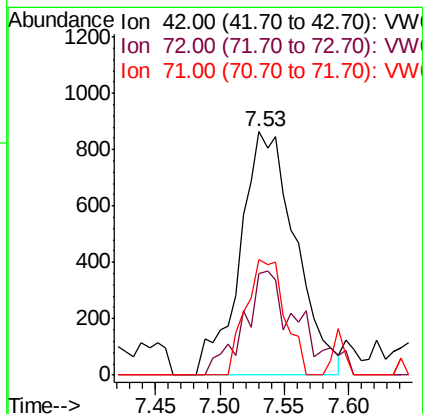
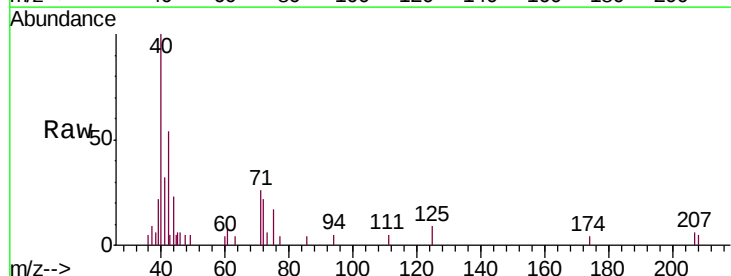
Tgt Ion: 42 Resp: 2583

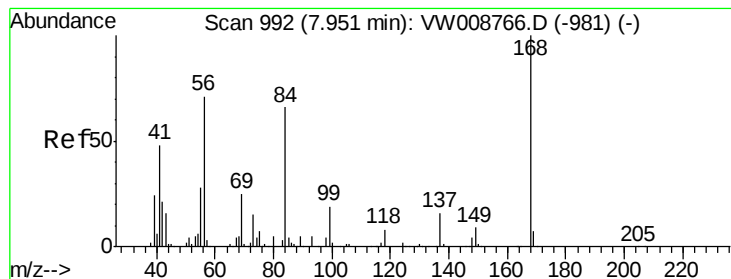
Ion Ratio Lower Upper

42 100

72 38.7 32.7 49.1

71 33.4 31.3 46.9





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-S

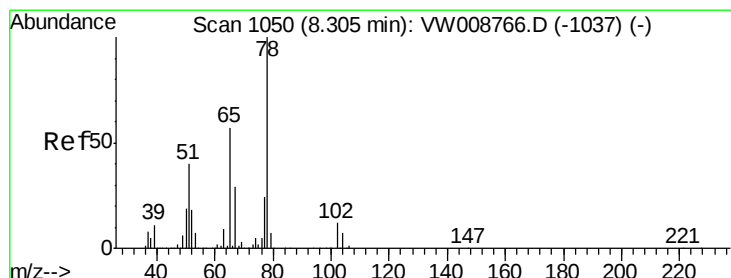
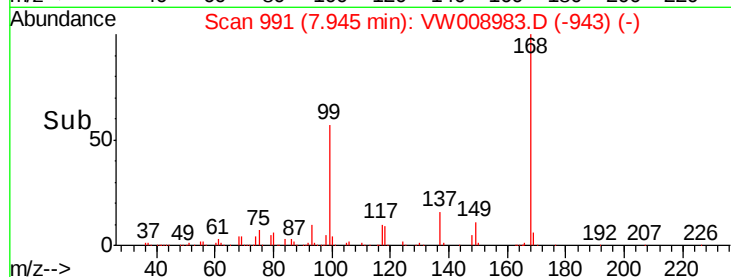
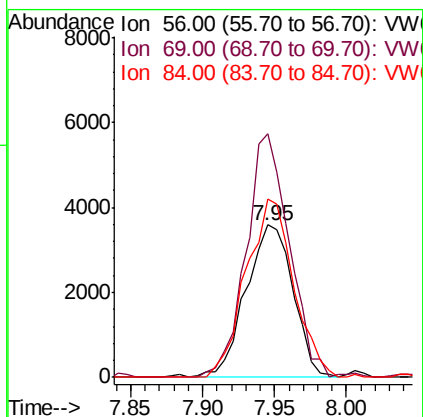
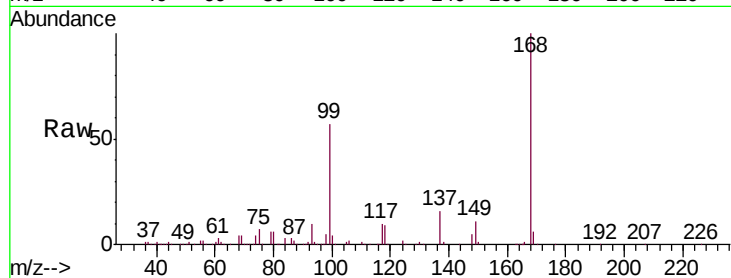
Tgt Ion: 56 Resp: 8152

Ion Ratio Lower Upper

56 100

69 160.0 28.2 42.4#

84 117.2 74.1 111.1#



#33

1,2-Dichloroethane-d4

Concen: 58.575 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008983.D

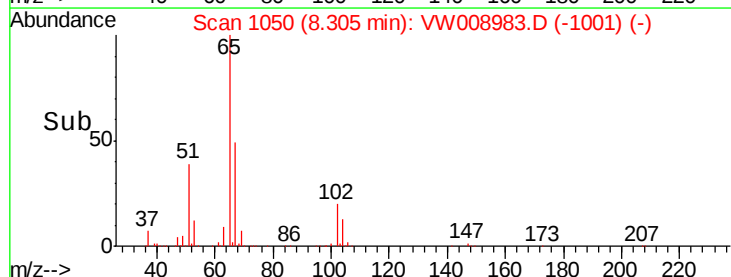
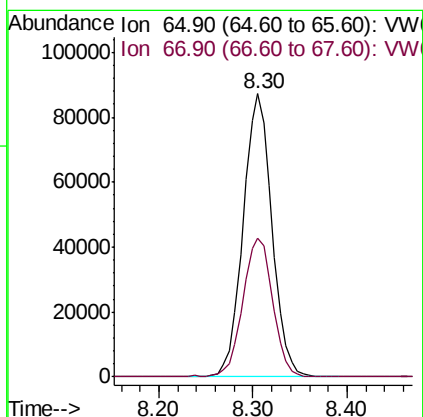
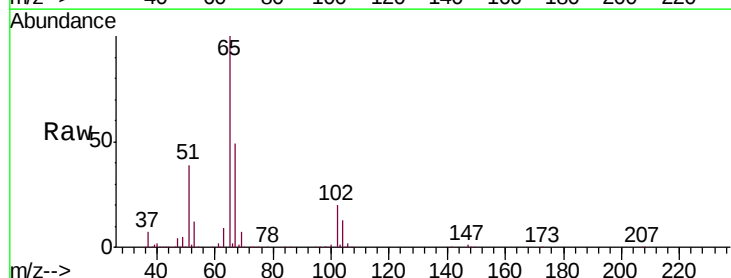
Acq: 05 Mar 2019 01:57

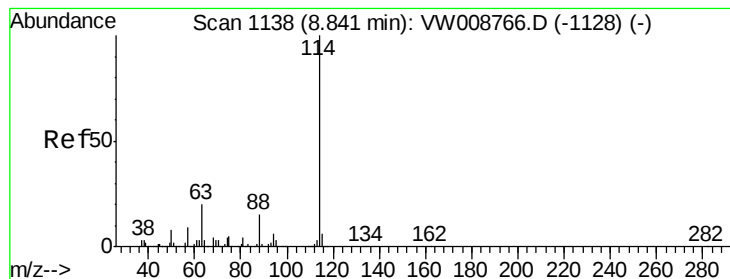
Tgt Ion: 65 Resp: 186554

Ion Ratio Lower Upper

65 100

67 51.1 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: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-S

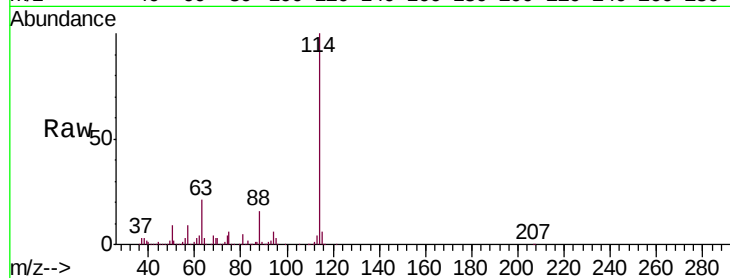
Tgt Ion:114 Resp: 524337

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

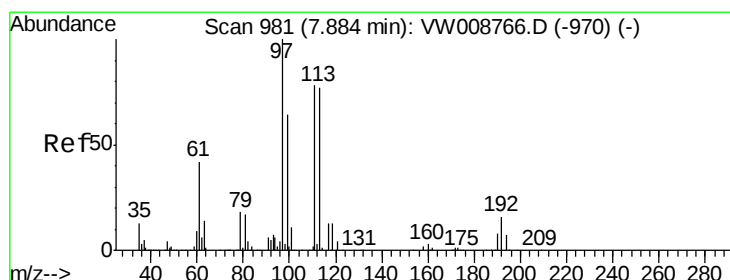
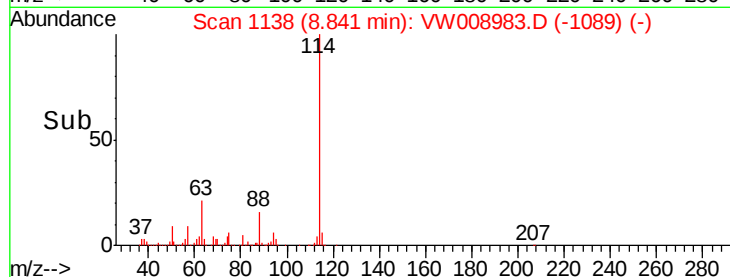
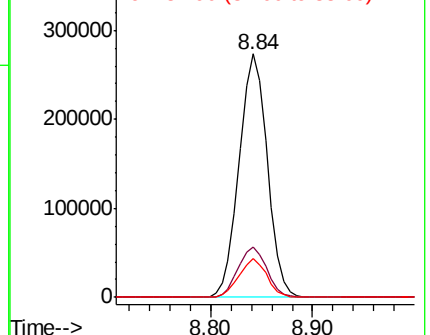
88 15.9 0.0 30.4



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: 50.744 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

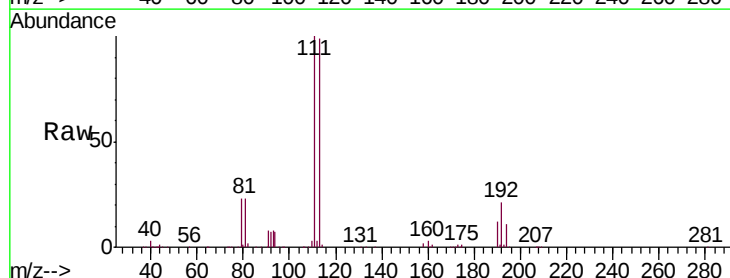
Tgt Ion:113 Resp: 159750

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

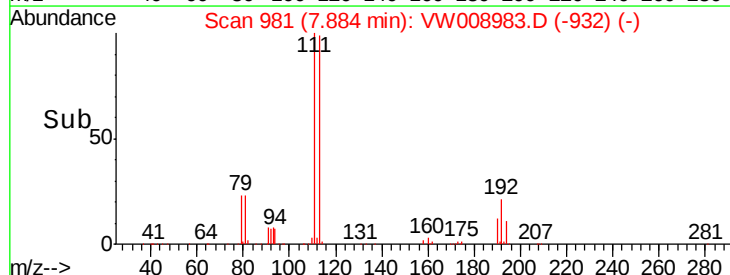
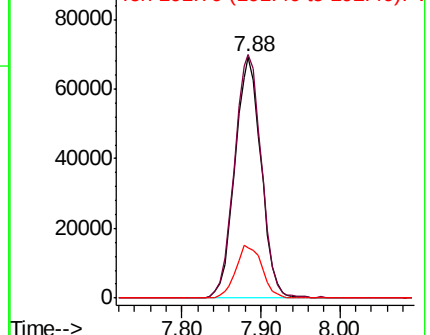
192 22.2 17.1 25.7

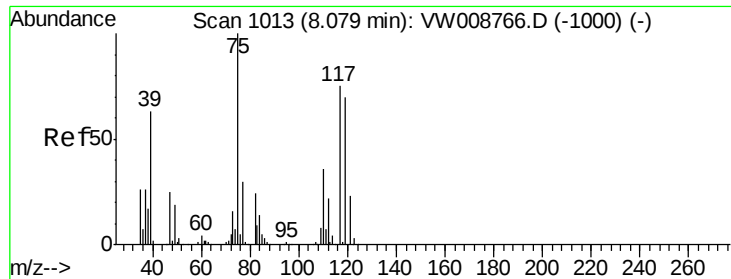


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

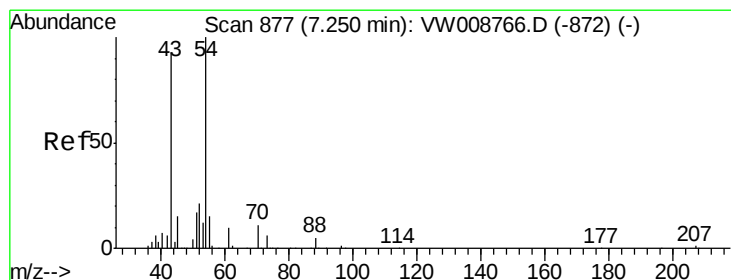
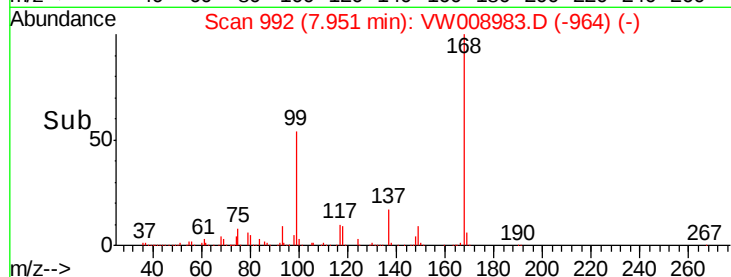
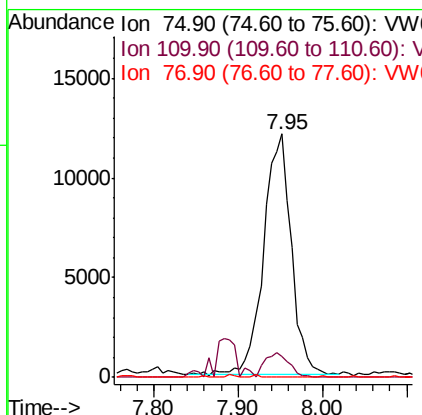
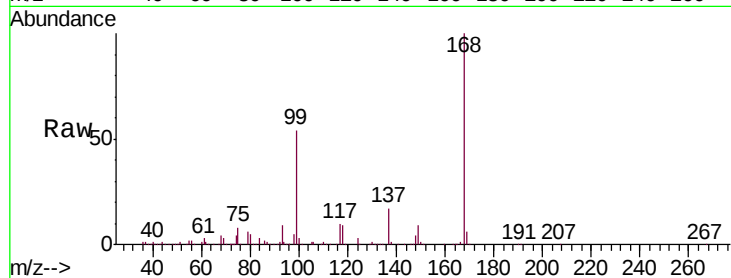




#36
 1,1-Dichloropropene
 Concen: 5.317 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008983.D
 Acq: 05 Mar 2019 01:57

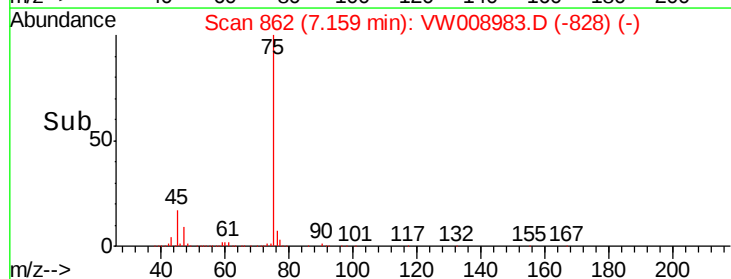
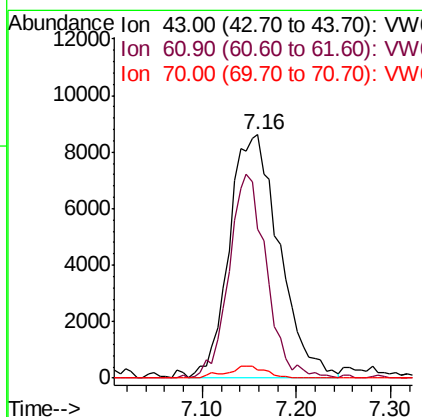
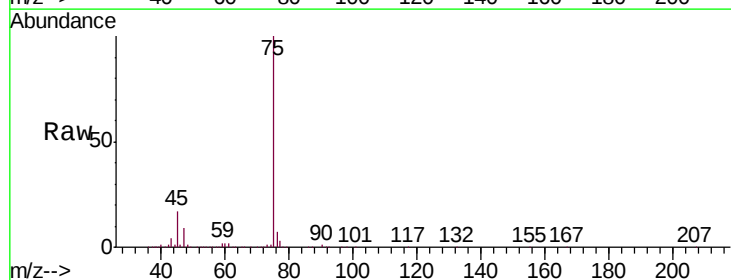
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4-B-S

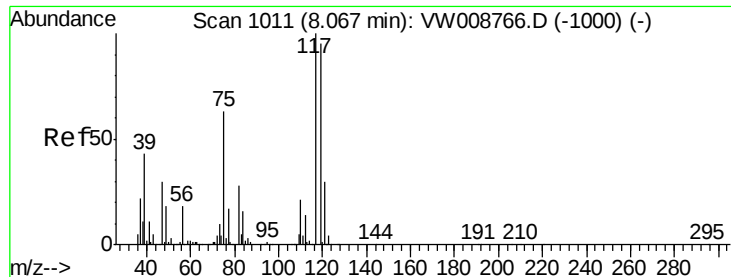
Tgt Ion: 75 Resp: 27137
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.5 52.6#
 77 0.0 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 13.470 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.09 min
 Lab File: VW008983.D
 Acq: 05 Mar 2019 01:57

Tgt Ion: 43 Resp: 31971
 Ion Ratio Lower Upper
 43 100
 61 62.5 9.8 14.8#
 70 3.9 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.085 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-S

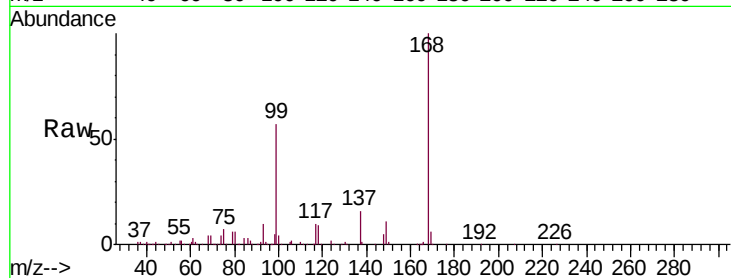
Tgt Ion:117 Resp: 32752

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

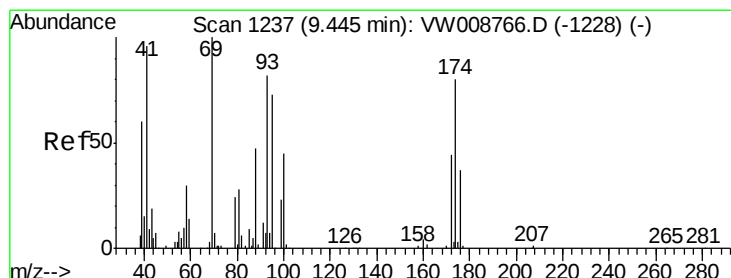
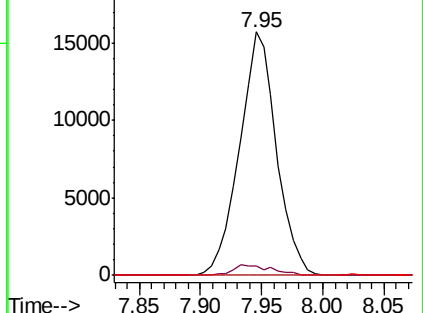
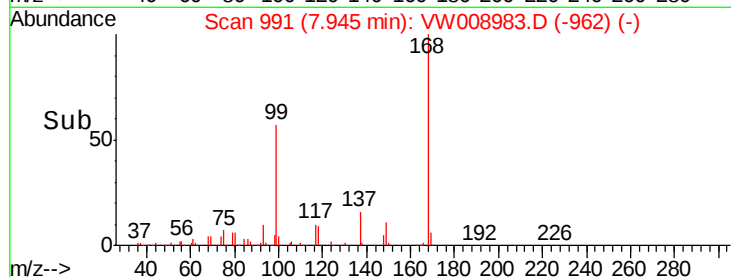
121 0.0 24.0 36.0#



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: 2.217 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

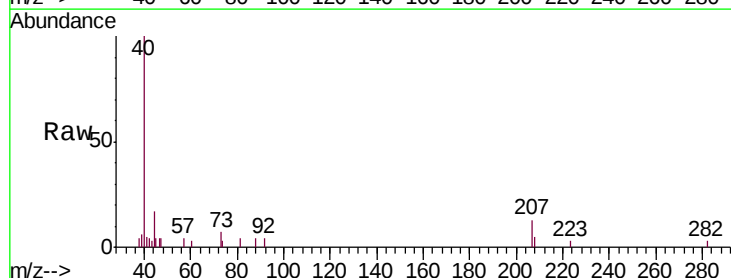
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 304.4 29.0 43.4#

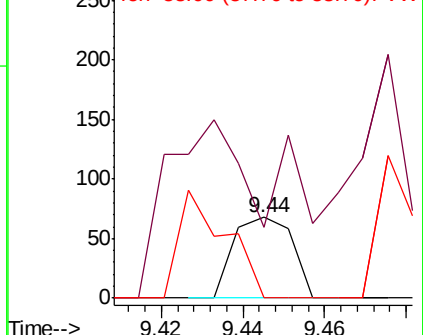
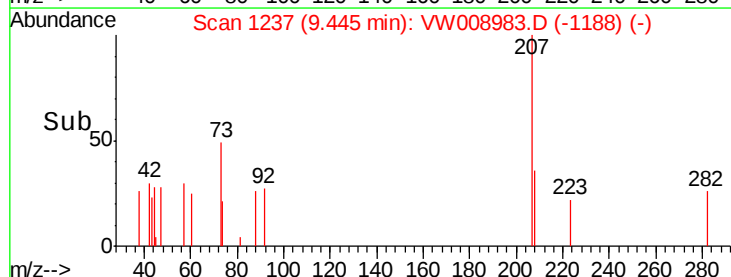
58 105.9 52.0 78.0#

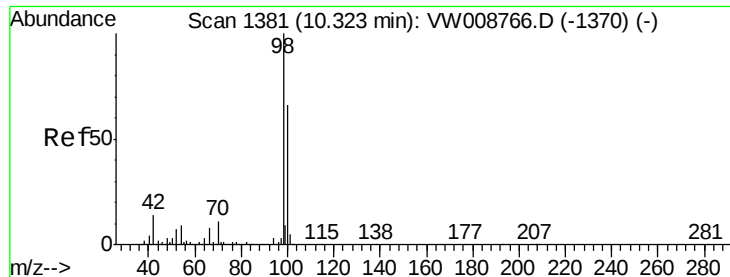


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 51.421 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

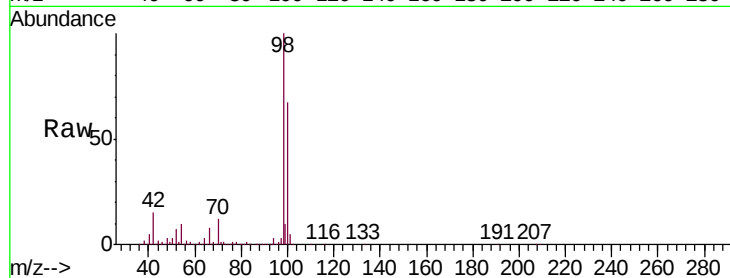
TP-4-B-S

Tgt Ion: 98 Resp: 624915

Ion Ratio Lower Upper

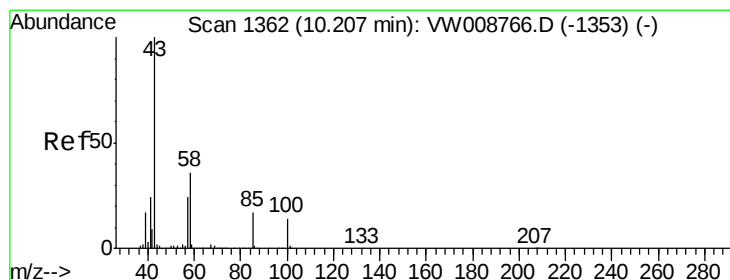
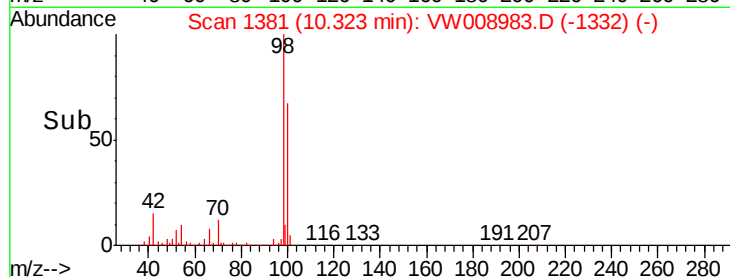
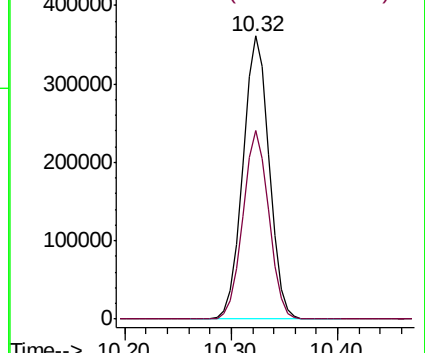
98 100

100 65.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.138 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008983.D

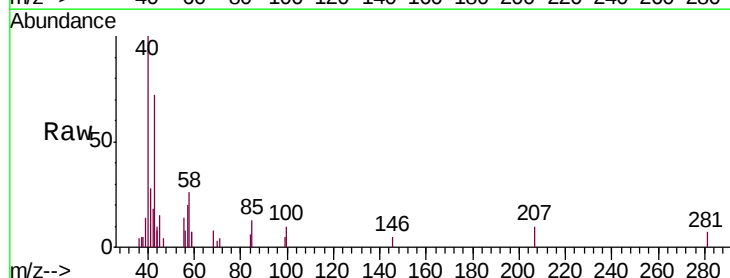
Acq: 05 Mar 2019 01:57

Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

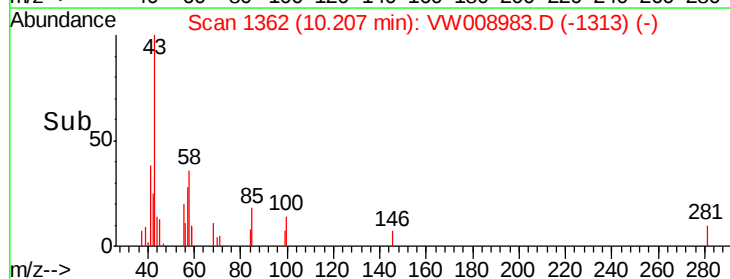
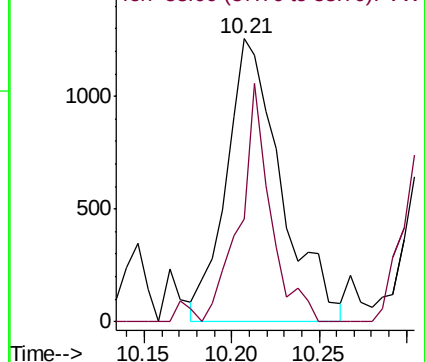
43 100

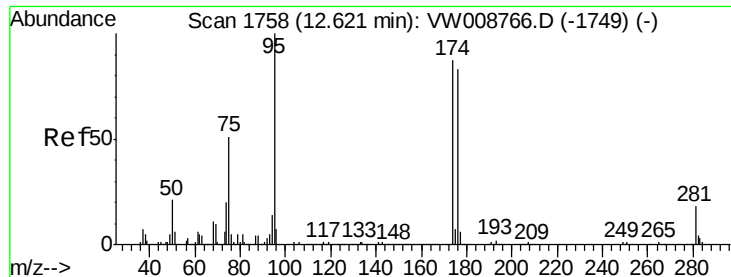
58 46.6 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 44.013 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-S

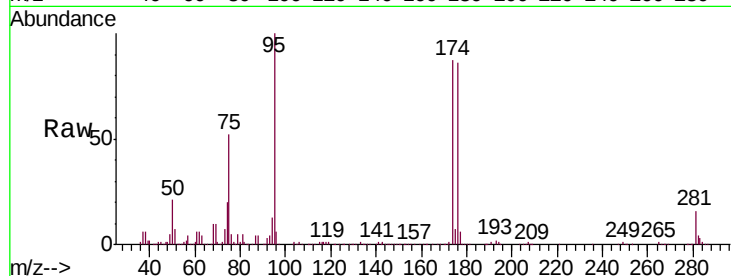
Tgt Ion: 95 Resp: 209432

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.2

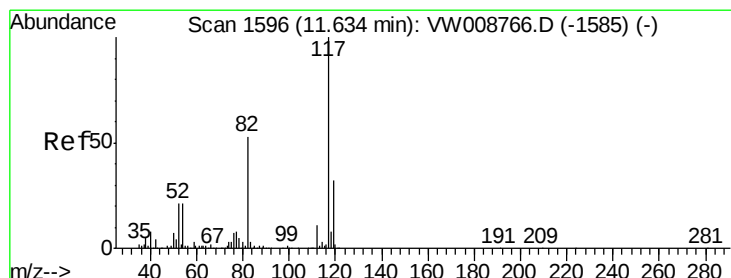
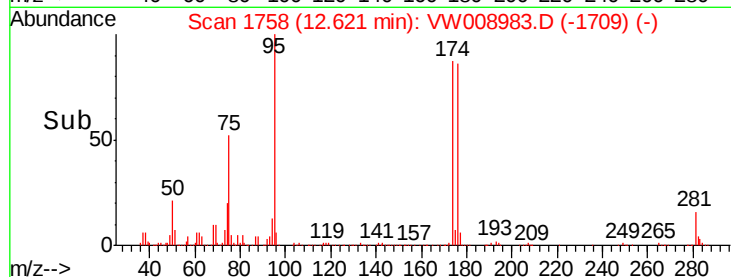
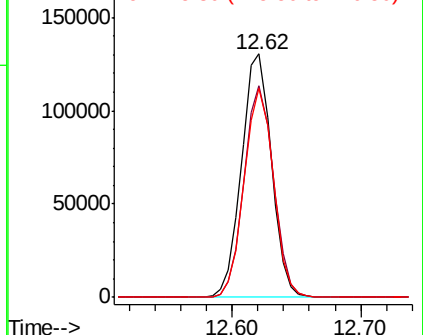
176 83.9 0.0 163.6



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: VW008983.D

Acq: 05 Mar 2019 01:57

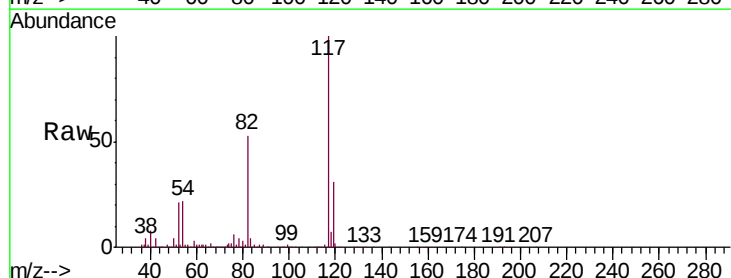
Tgt Ion: 117 Resp: 464170

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

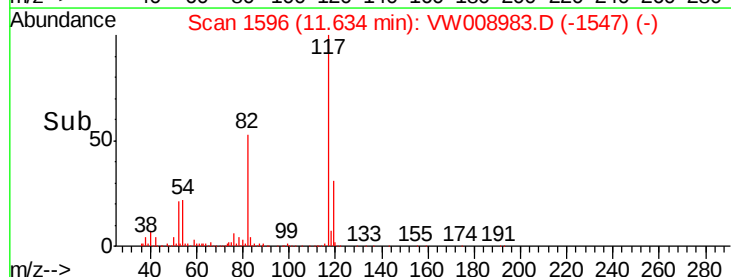
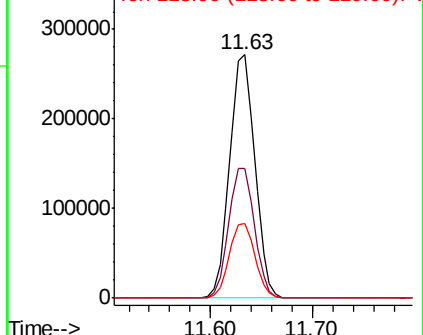
119 30.9 25.9 38.9

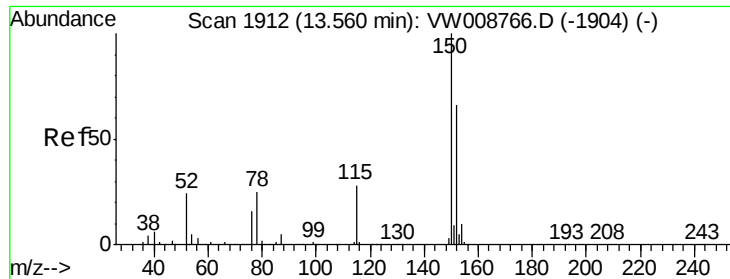


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampled :

TP-4-B-S

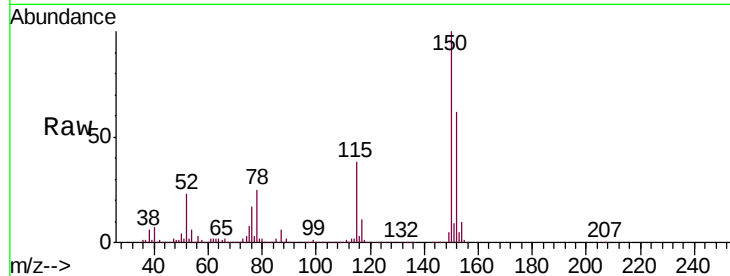
Tgt Ion:152 Resp: 206255

Ion Ratio Lower Upper

152 100

115 58.0 28.6 85.8

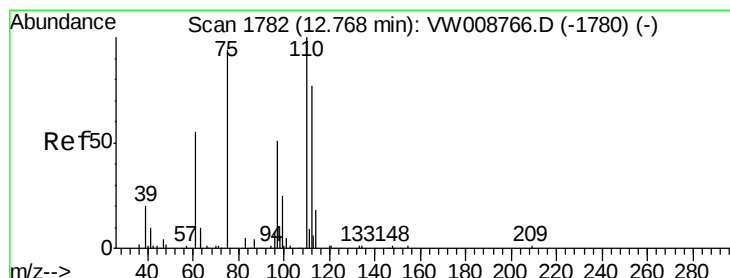
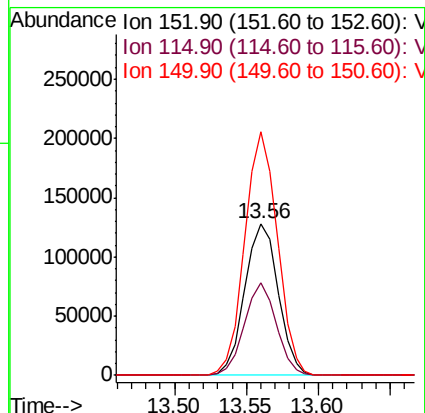
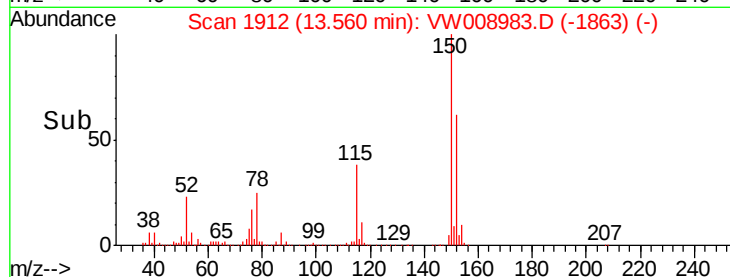
150 156.2 0.0 348.0



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: 64.745 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008983.D

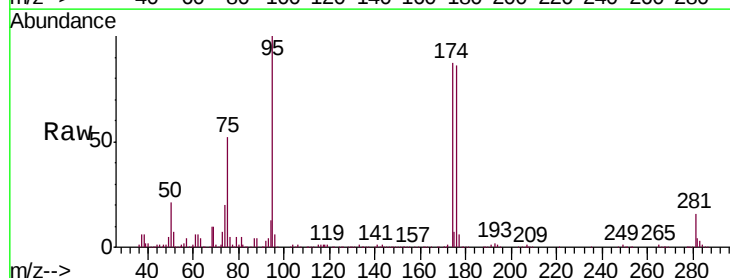
Acq: 05 Mar 2019 01:57

Tgt Ion: 75 Resp: 110255

Ion Ratio Lower Upper

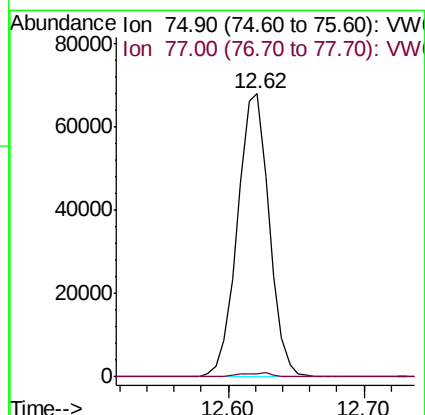
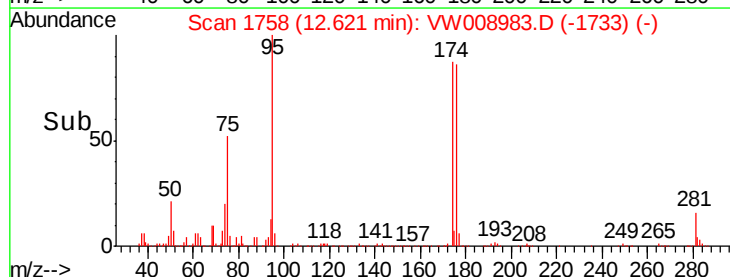
75 100

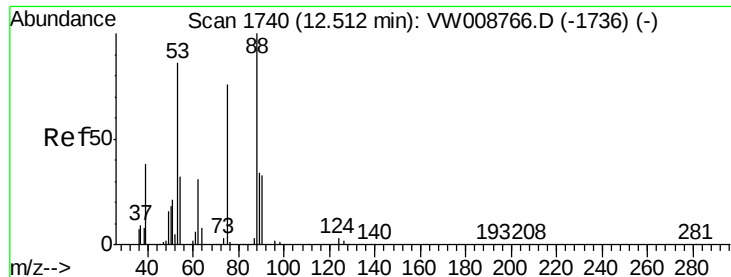
77 1.5 0.0 0.0#



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: 157.400 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008983.D

Acq: 05 Mar 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

TP-4-B-S

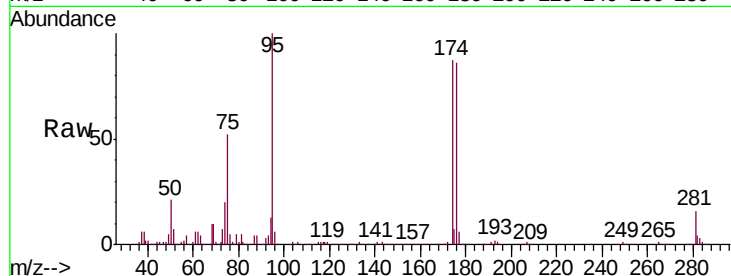
Tgt Ion: 75 Resp: 110255

Ion Ratio Lower Upper

75 100

53 0.5 88.2 132.2#

89 0.2 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

