

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009163.D
 Acq On : 13 Mar 2019 18:43
 Operator : SY/VA
 Sample : K1873-01RE
 Misc : 3.95G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:23:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	450513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	206455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	180913	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
35) Dibromofluoromethane	7.88	113	152284	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.32	98	601153	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.62	95	206924	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	

Target Compounds

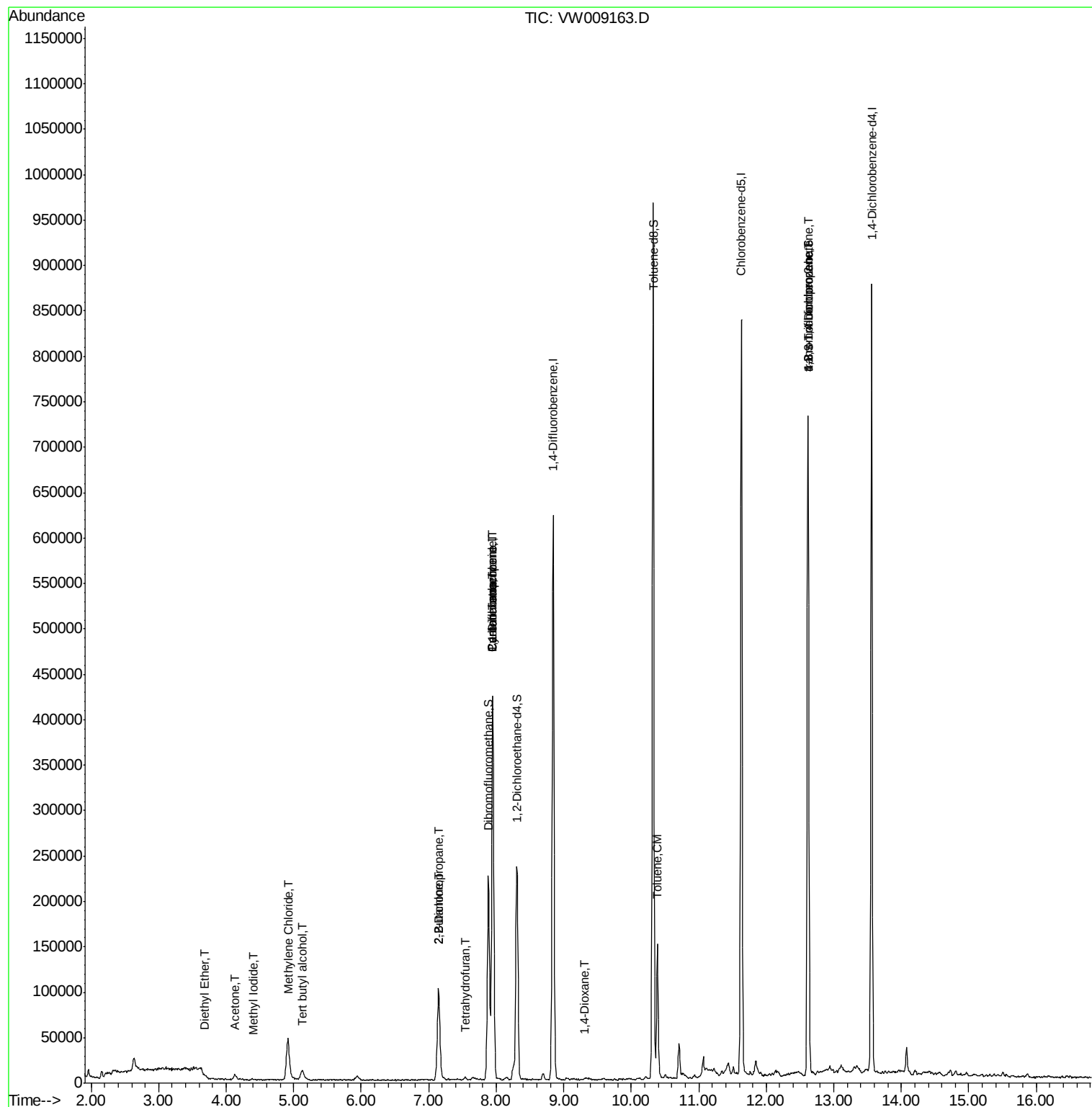
						Qvalue
8) Diethyl Ether	3.68	74	2197	1.365	ug/l	82
10) Methyl Iodide	4.40	142	22	3.193	ug/l #	40
11) Tert butyl alcohol	5.13	59	10948	45.125	ug/l #	72
16) Acetone	4.13	43	10797	15.112	ug/l	90
20) Methylene Chloride	4.91	84	34204	5.329	ug/l	97
25) 2-Butanone	7.14	43	6018	6.095	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	6970	1.333	ug/l #	54
29) Tetrahydrofuran	7.54	42	2326	3.738	ug/l	94
31) Cyclohexane	7.95	56	8791	1.489	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	25635	4.874	ug/l #	50
38) Carbon Tetrachloride	7.95	117	31868	5.868	ug/l #	18
49) 1,4-Dioxane	9.29	88	42	1.527	ug/l #	1
52) Toluene	10.39	92	60731	6.379	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	112970	69.257	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	112970	154.910	ug/l #	5

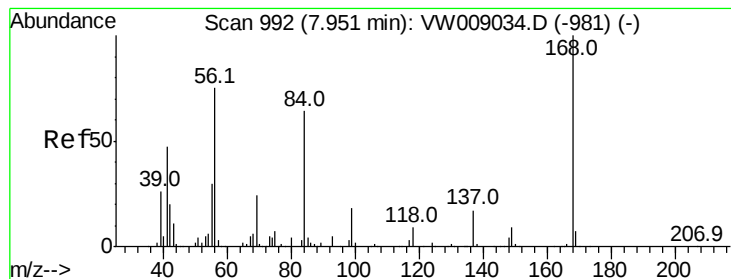
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 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: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

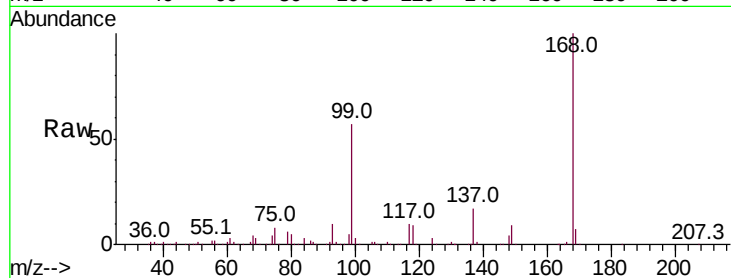
ClientSampled :

Tot Ion:168 Resp: 314686

Ion Ratio Lower Upper

168 100

99 56.9 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

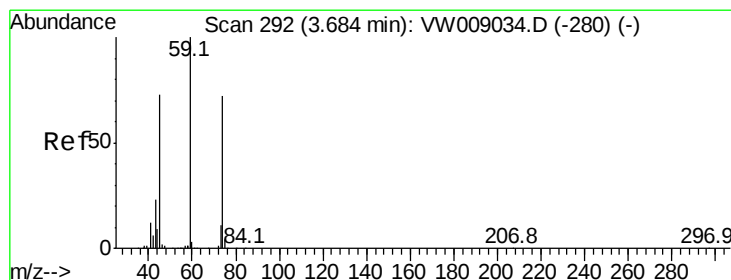
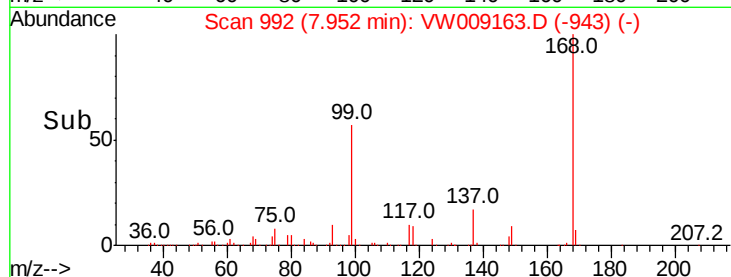
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.365 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009163.D

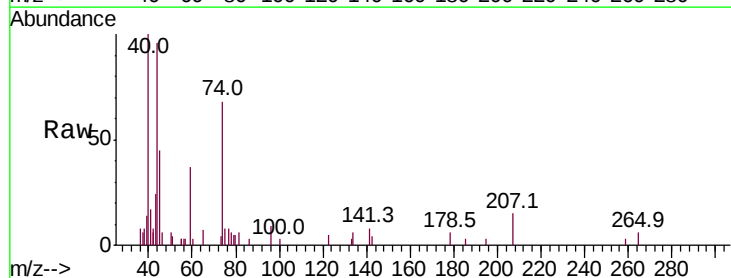
Acq: 13 Mar 2019 18:43

Tgt Ion: 74 Resp: 2197

Ion Ratio Lower Upper

74 100

45 86.2 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

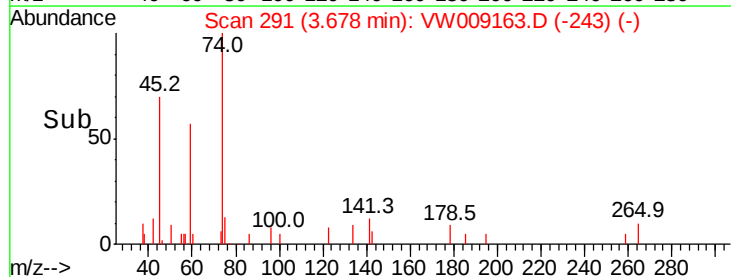
3.68

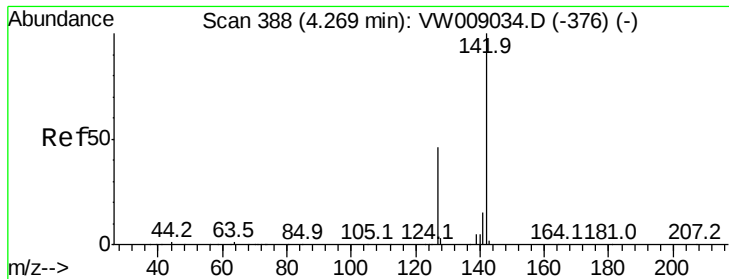
1000

500

0

Time-->

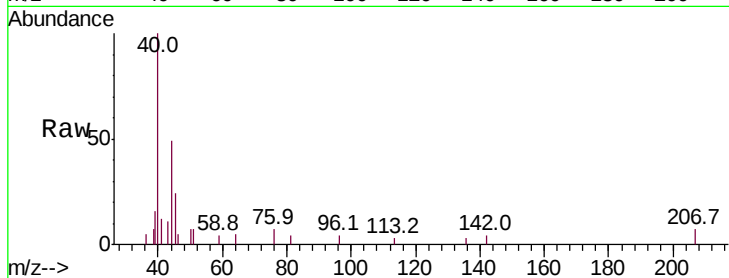




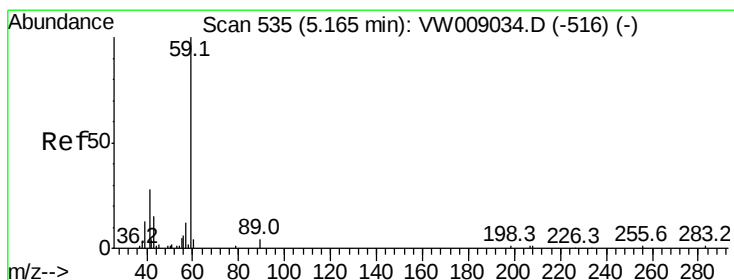
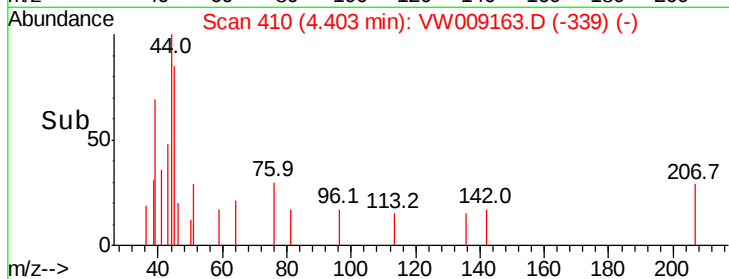
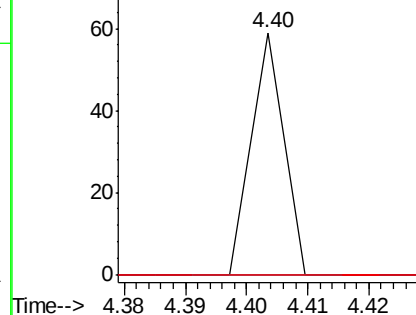
#10
Methyl Iodide
Concen: 3.193 ug/l
RT: 4.40 min Scan# 410
Delta R.T. 0.13 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.8 17.8#

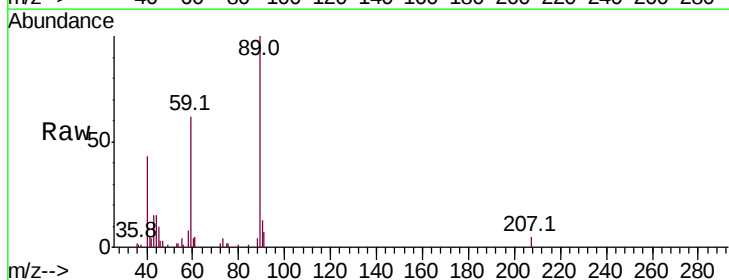


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

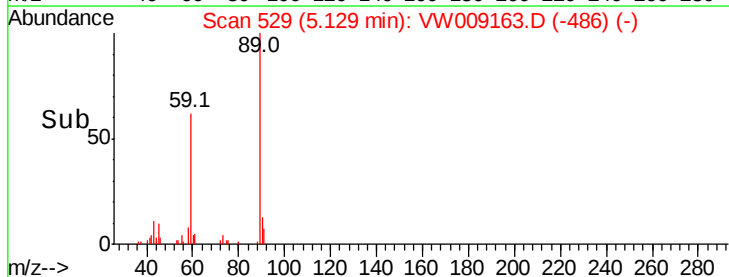
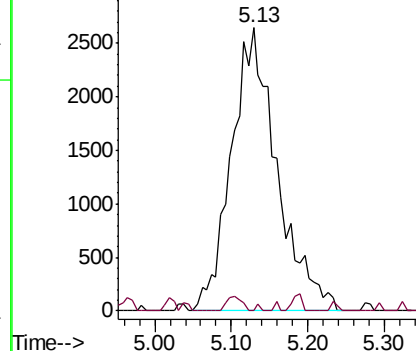


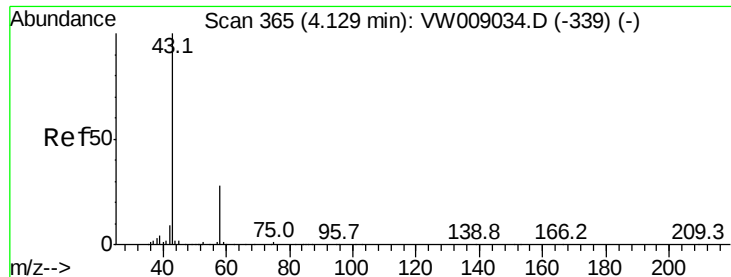
#11
Tert butyl alcohol
Concen: 45.125 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

Tgt Ion: 59 Resp: 10948
Ion Ratio Lower Upper
59 100
57 0.2 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 15.112 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

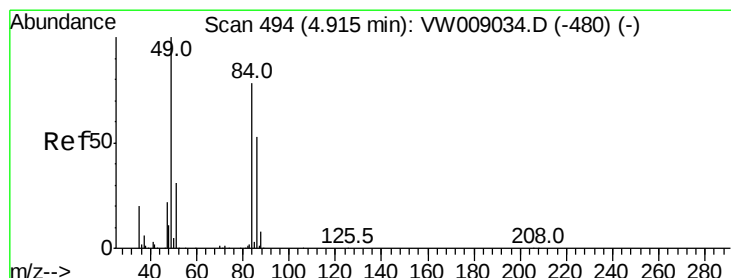
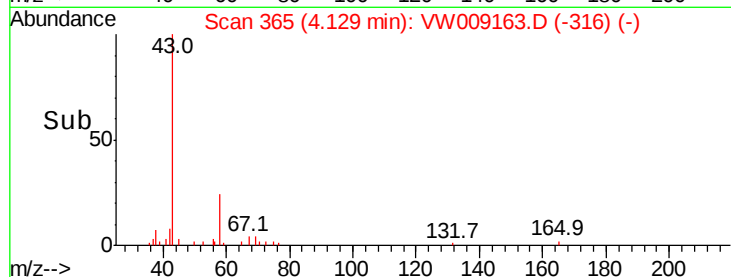
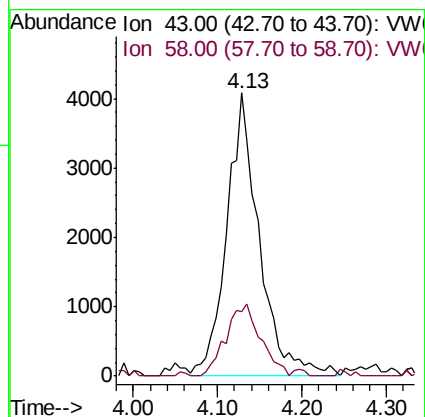
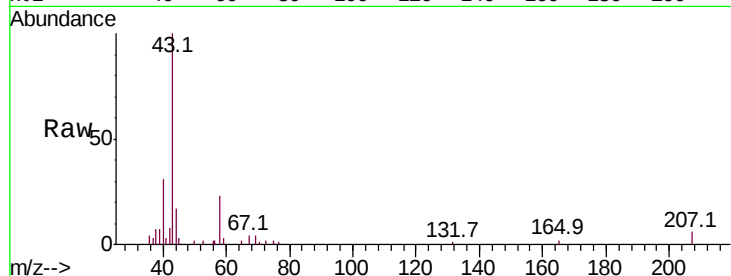
ClientSampleId :

Tot Ion: 43 Resp: 10797

Ion Ratio Lower Upper

43 100

58 23.0 22.5 33.7



#20

Methylene Chloride

Concen: 5.329 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Tgt Ion: 84 Resp: 34204

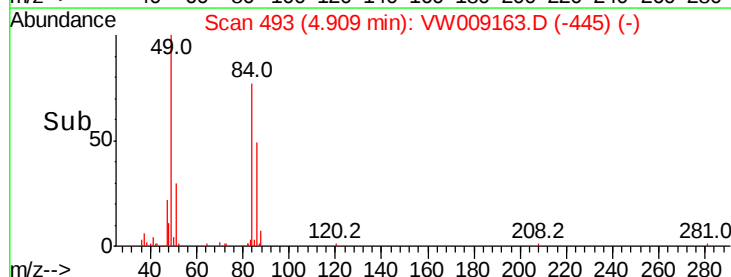
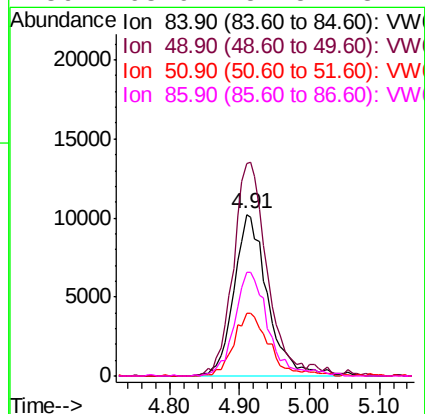
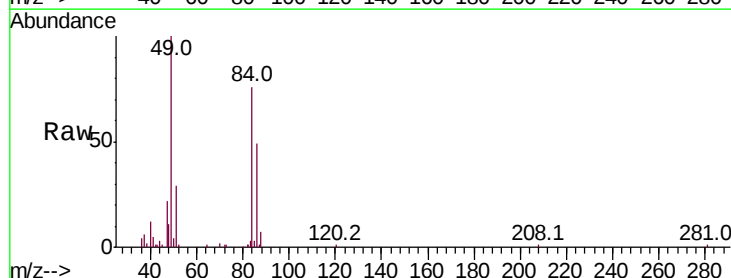
Ion Ratio Lower Upper

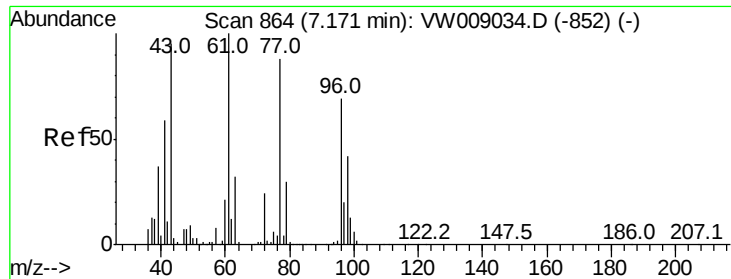
84 100

49 130.2 102.4 153.6

51 38.6 31.6 47.4

86 63.9 54.5 81.7





#25

2-Butanone

Concen: 6.095 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

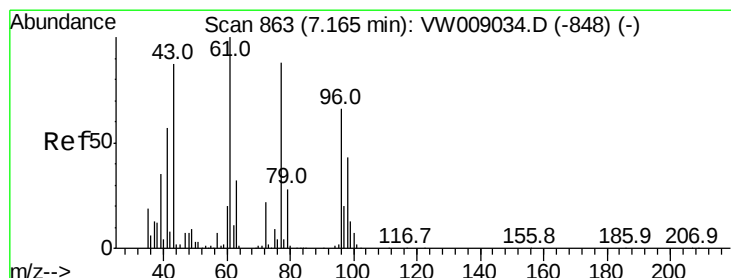
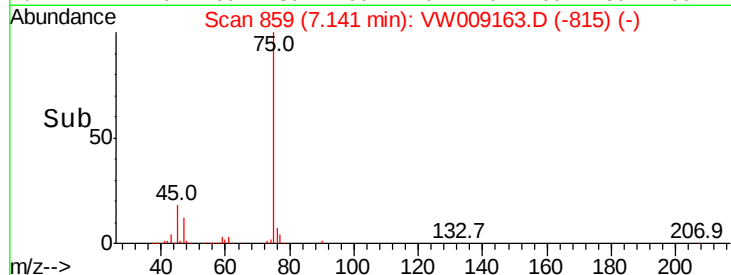
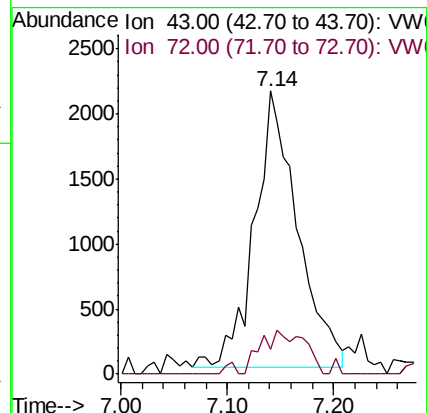
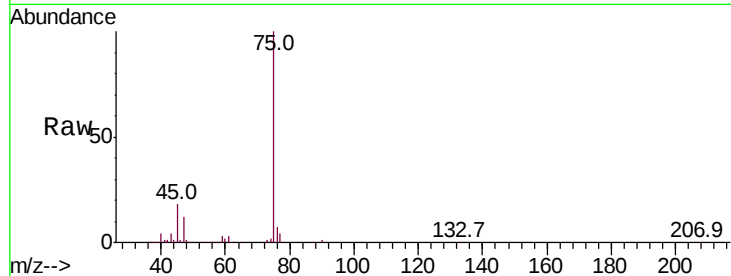
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 6018

Ion Ratio Lower Upper

43 100

72 8.9 20.0 30.0#



#26

2,2-Dichloropropane

Concen: 1.333 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009163.D

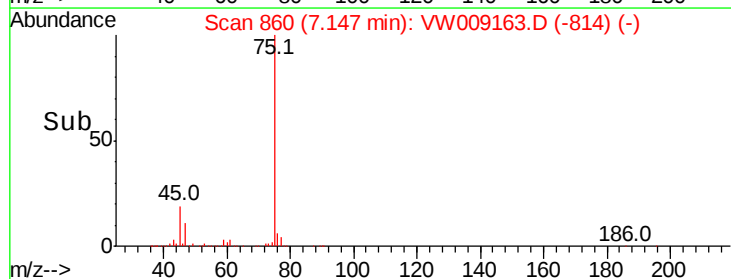
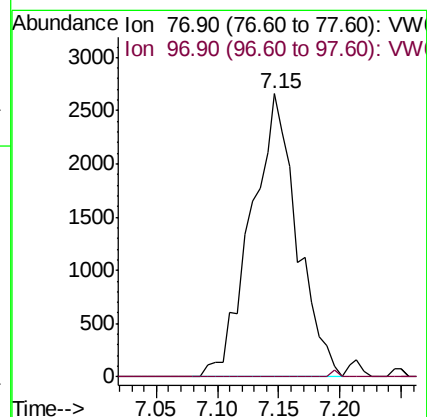
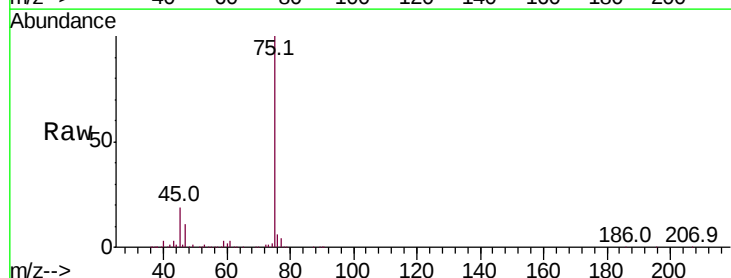
Acq: 13 Mar 2019 18:43

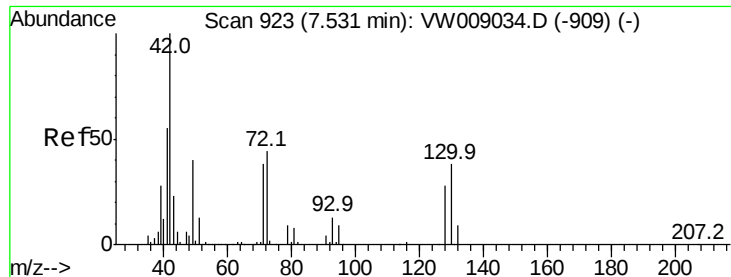
Tgt Ion: 77 Resp: 6970

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

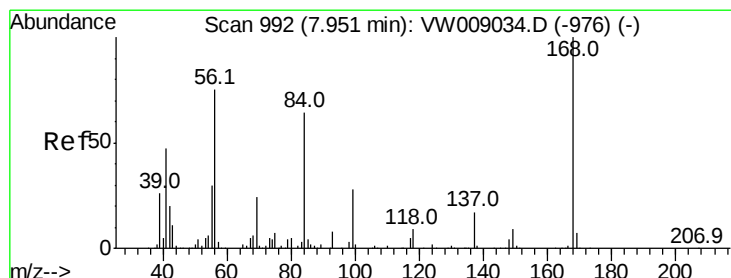
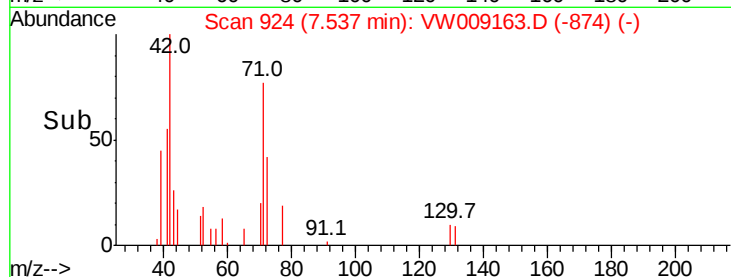
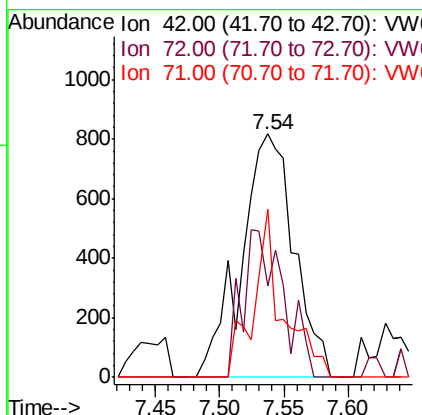
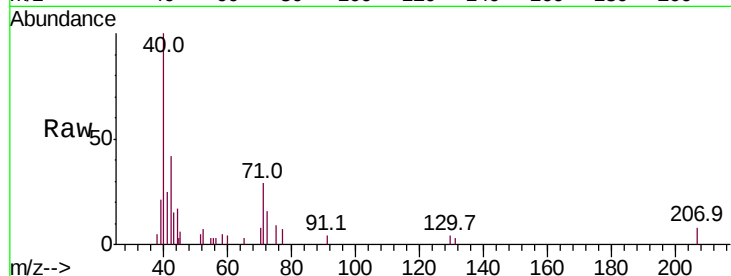




#29
Tetrahydrofuran
Concen: 3.738 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

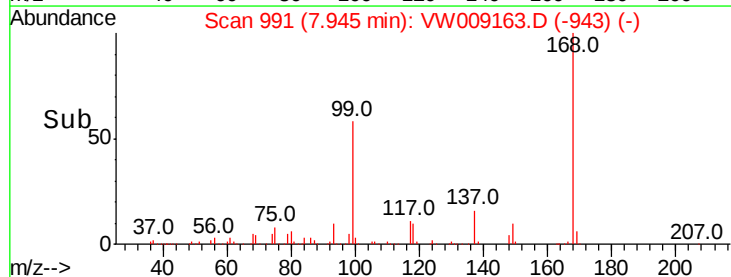
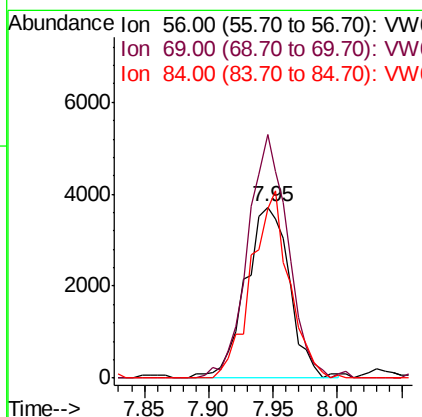
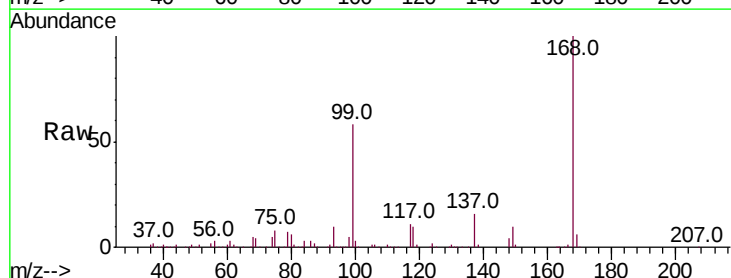
Instrument :
MSVOA_W
ClientSampled :

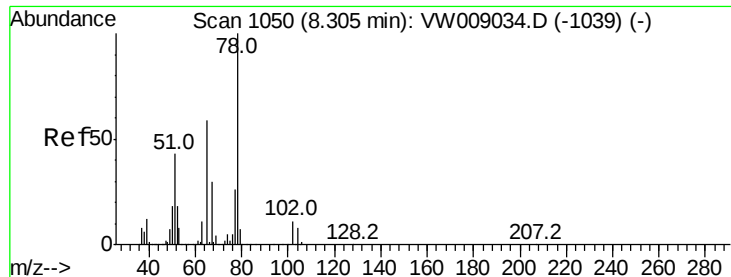
Tot Ion: 42 Resp: 2326
Ion Ratio Lower Upper
42 100
72 46.6 32.2 48.4
71 37.6 30.7 46.1



#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

Tgt Ion: 56 Resp: 8791
Ion Ratio Lower Upper
56 100
69 142.6 25.5 38.3#
84 99.4 68.6 103.0





#33

1,2-Dichloroethane-d4

Concen: 57.142 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

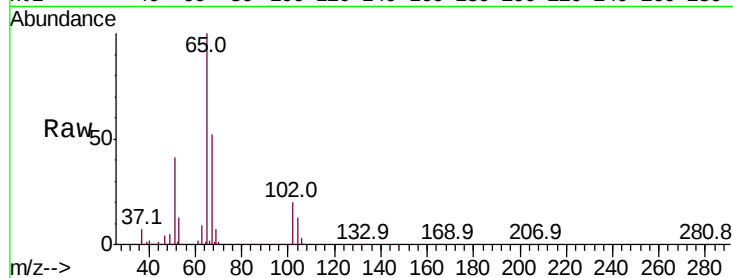
ClientSampleId :

Tot Ion: 65 Resp: 180913

Ion Ratio Lower Upper

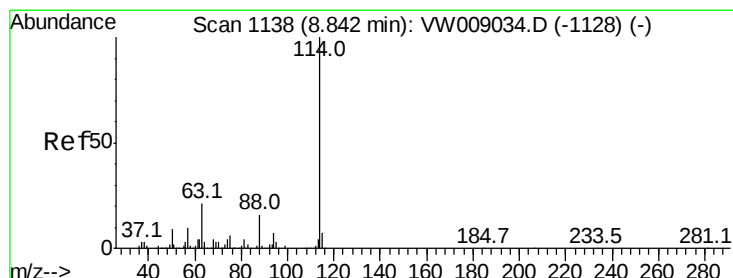
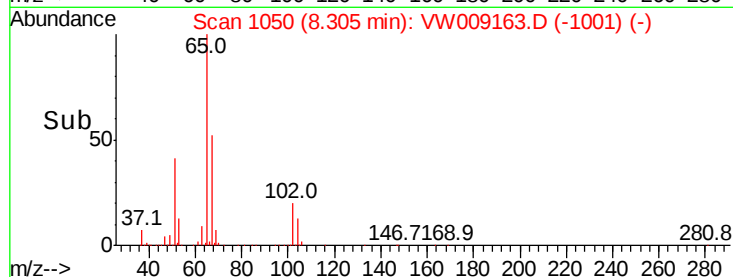
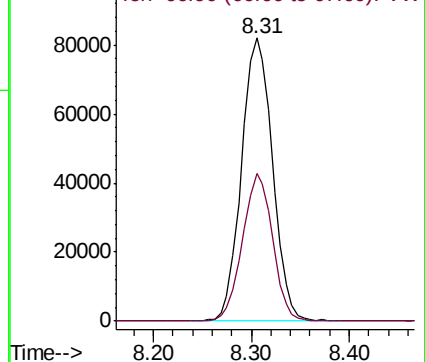
65 100

67 50.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

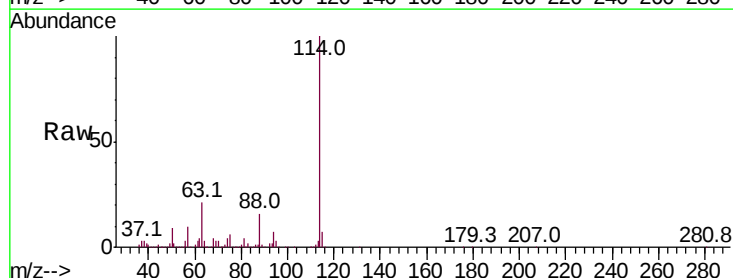
Tgt Ion: 114 Resp: 502965

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.2

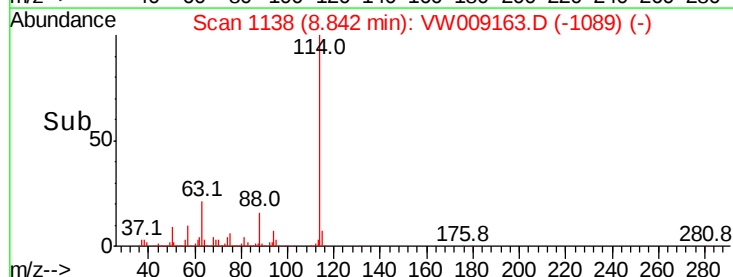
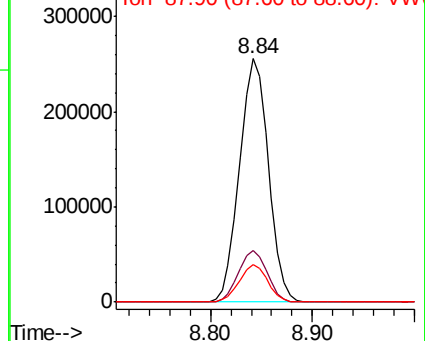
88 15.6 0.0 31.2

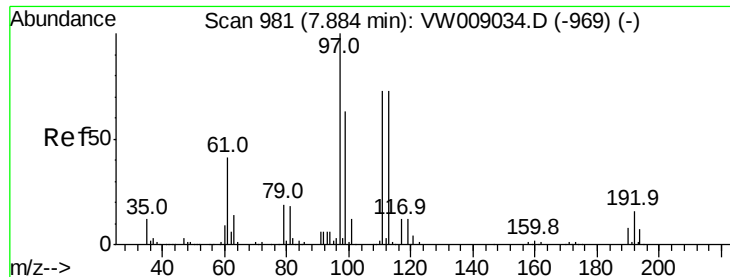


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

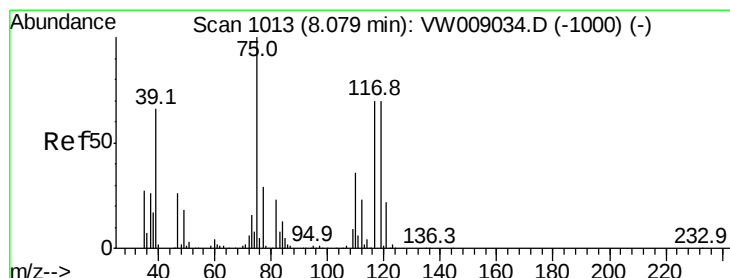
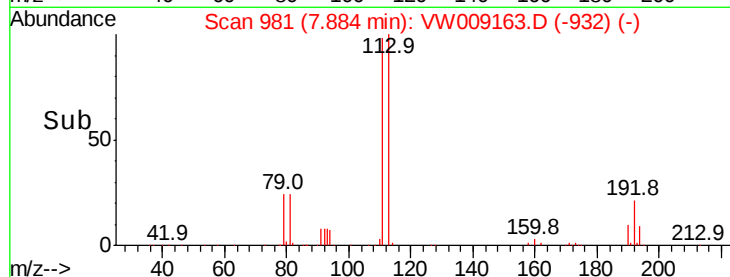
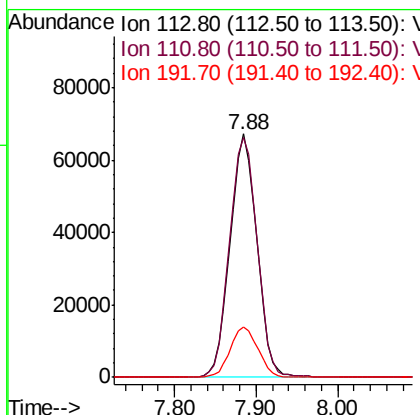
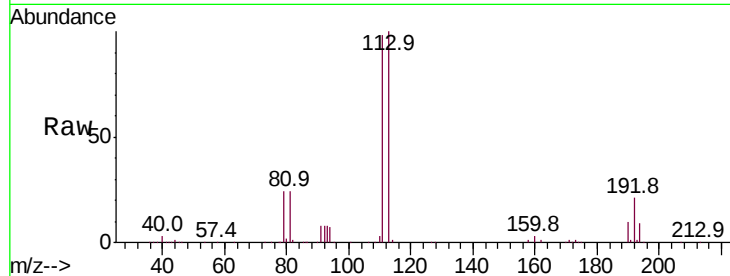




#35
 Dibromofluoromethane
 Concen: 50.287 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009163.D
 Acq: 13 Mar 2019 18:43

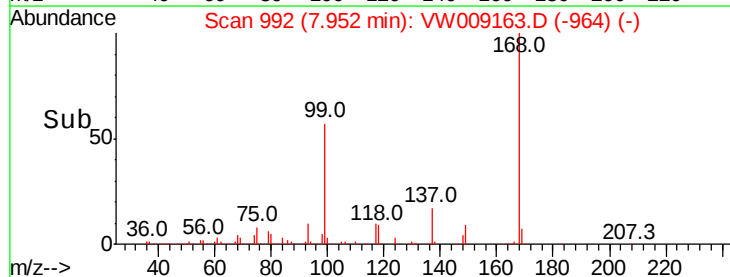
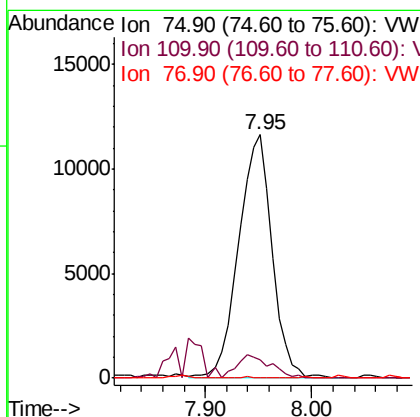
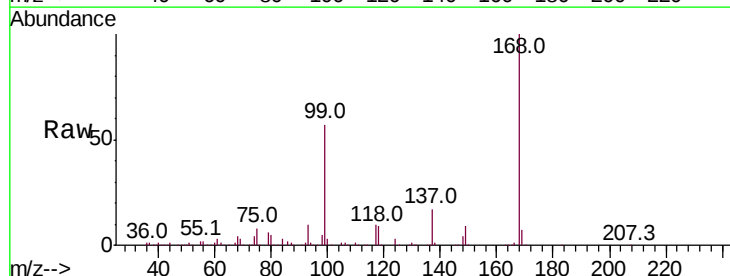
Instrument :
 MSVOA_W
 ClientSampleId :

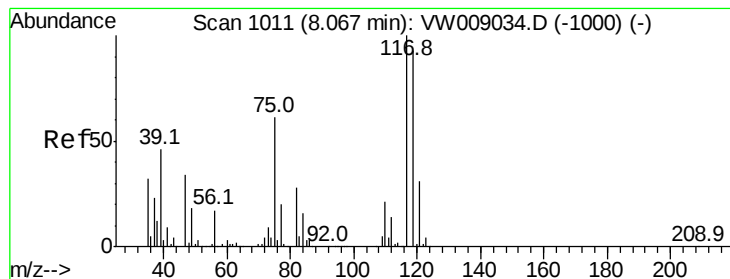
Tot Ion:113 Resp: 152284
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.0 121.4
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009163.D
 Acq: 13 Mar 2019 18:43

Tgt Ion: 75 Resp: 25635
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.9#
 77 0.1 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

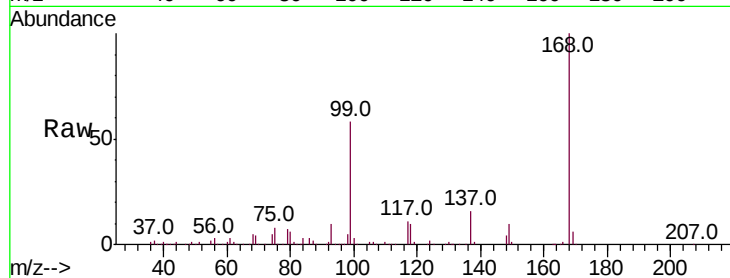
Tot Ion:117 Resp: 31868

Ion Ratio Lower Upper

117 100

119 6.5 74.6 112.0#

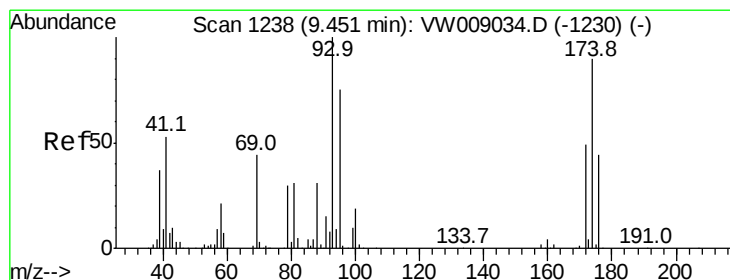
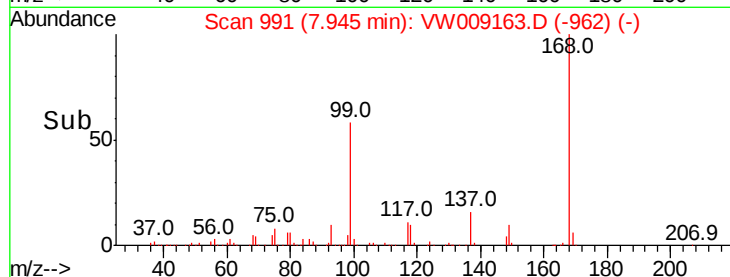
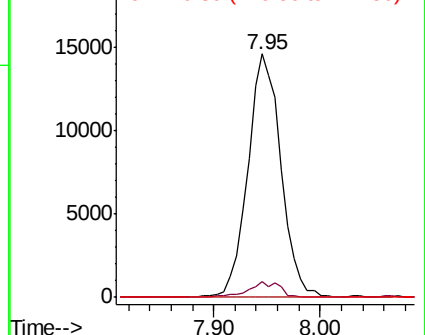
121 0.0 24.7 37.1#



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: 1.527 ug/l

RT: 9.29 min Scan# 1212

Delta R.T. -0.16 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

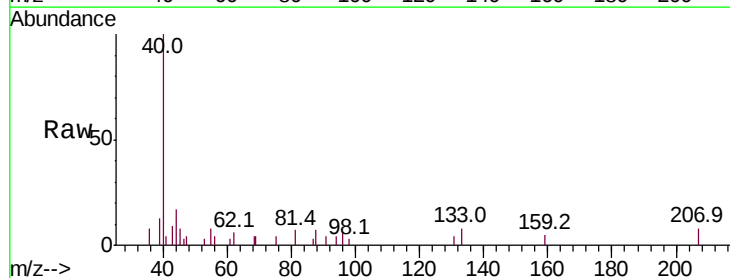
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 633.3 29.0 43.4#

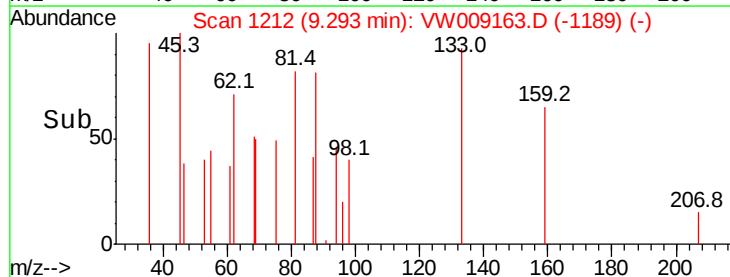
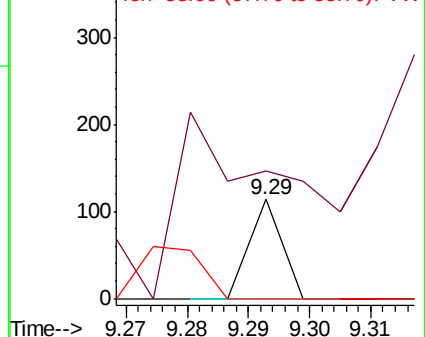
58 100.0 59.2 88.8#

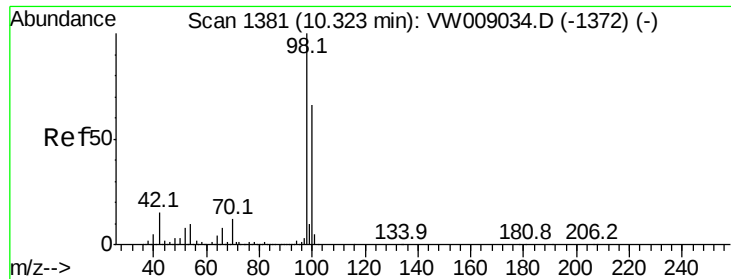


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.333 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

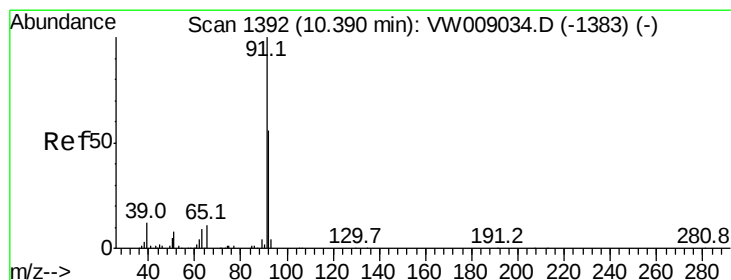
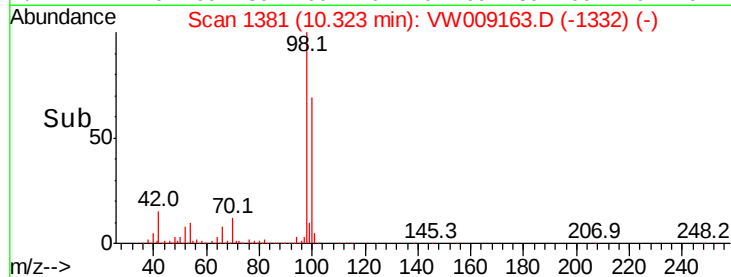
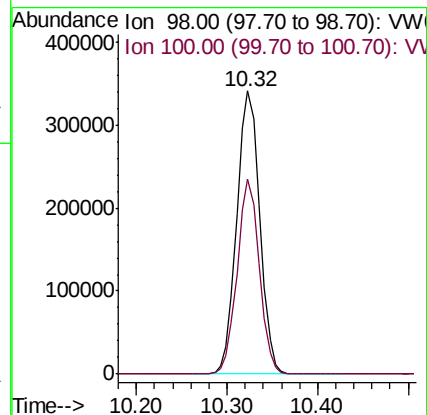
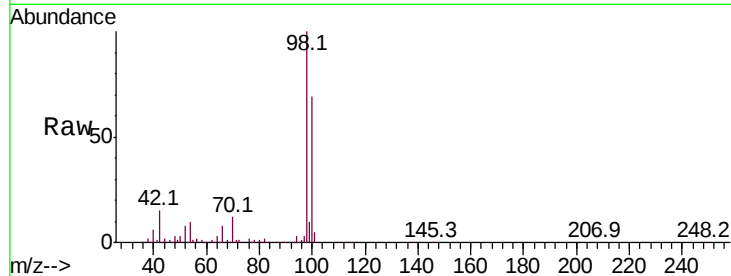
ClientSampleId :

Tot Ion: 98 Resp: 601153

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9



#52

Toluene

Concen: 6.379 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009163.D

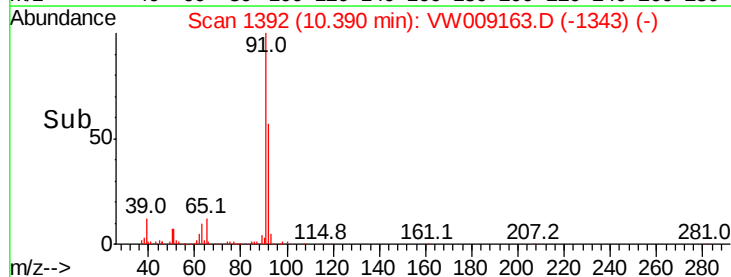
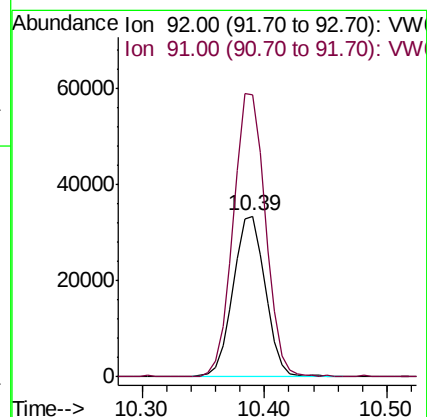
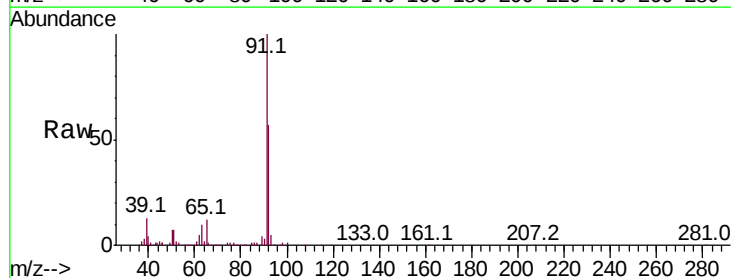
Acq: 13 Mar 2019 18:43

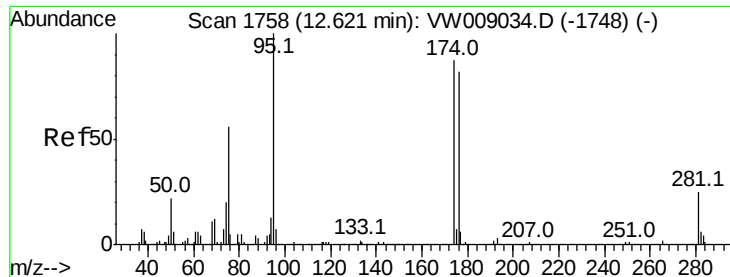
Tgt Ion: 92 Resp: 60731

Ion Ratio Lower Upper

92 100

91 175.3 139.9 209.9

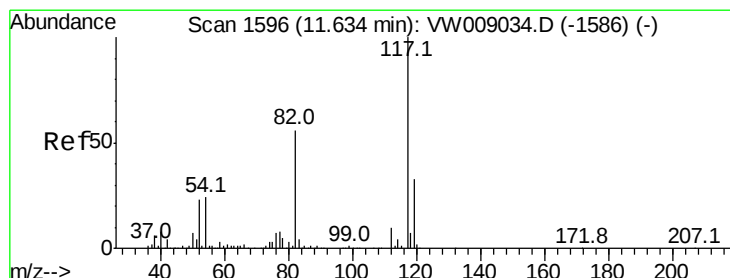
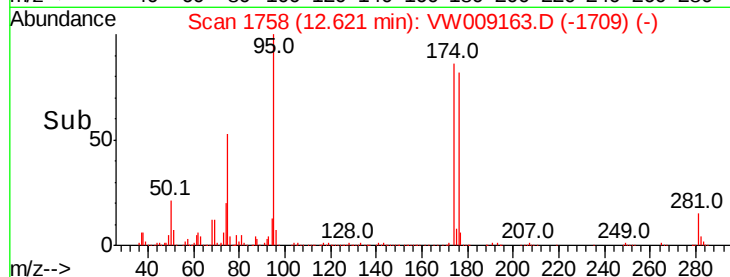
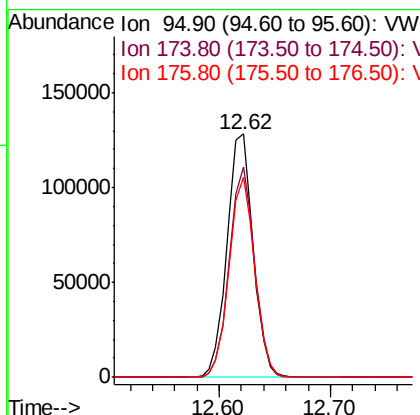
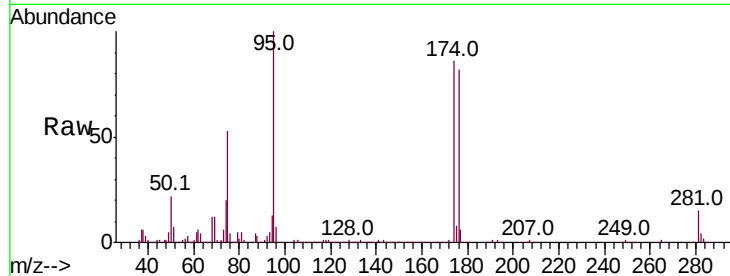




#62
4-Bromofluorobenzene
Concen: 42.262 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

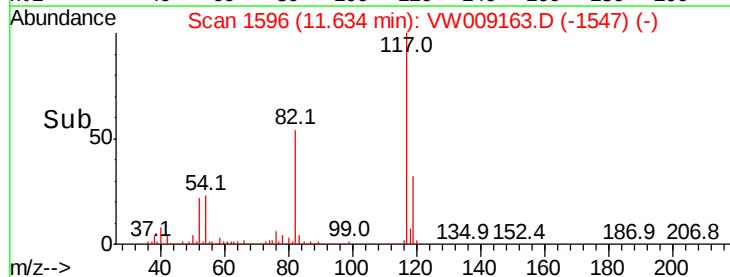
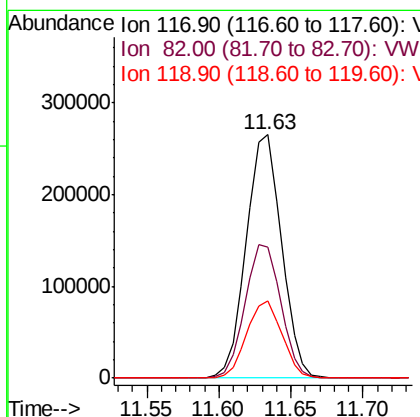
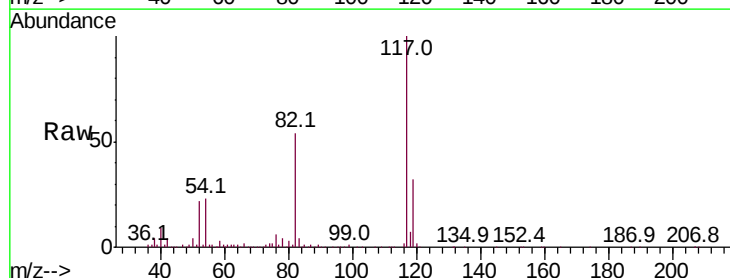
Instrument :
MSVOA_W
ClientSampleId :

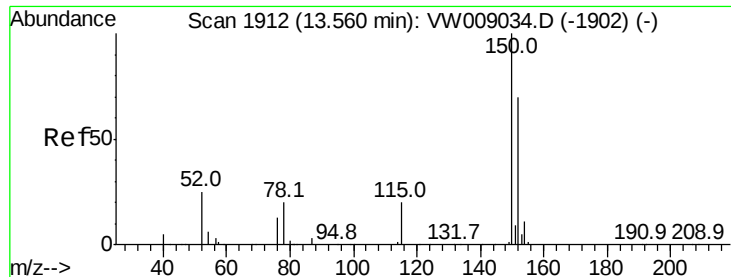
Tot Ion: 95 Resp: 206924
Ion Ratio Lower Upper
95 100
174 84.6 0.0 167.0
176 81.1 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009163.D
Acq: 13 Mar 2019 18:43

Tgt Ion: 117 Resp: 450513
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.6
119 31.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

ClientSampled :

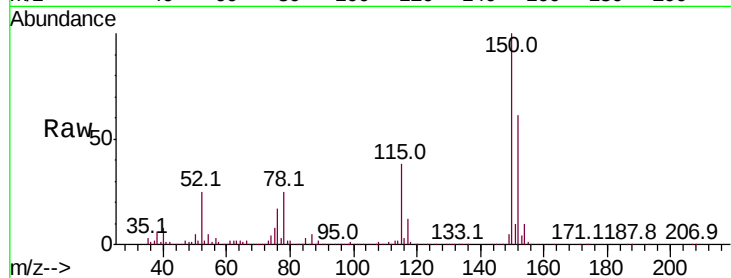
Tot Ion:152 Resp: 206455

Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.7

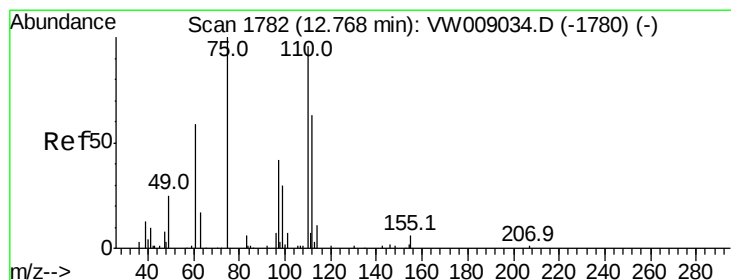
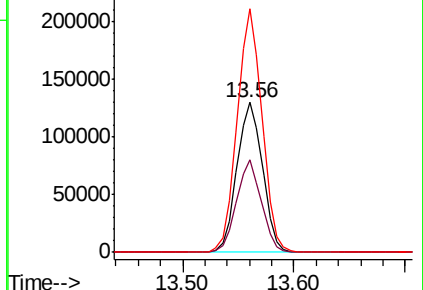
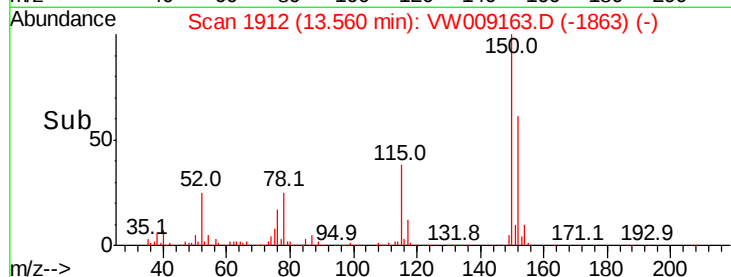
150 157.8 0.0 349.2



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: 69.257 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009163.D

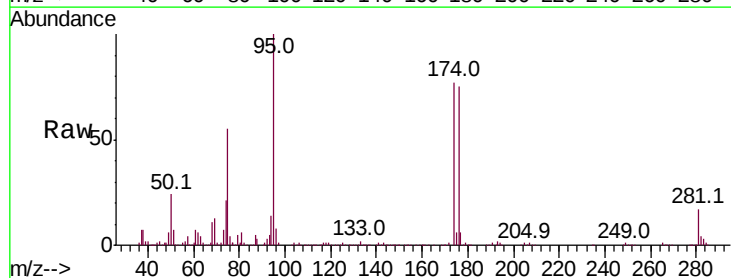
Acq: 13 Mar 2019 18:43

Tgt Ion: 75 Resp: 112970

Ion Ratio Lower Upper

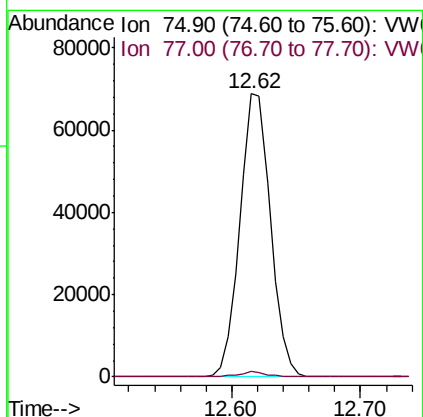
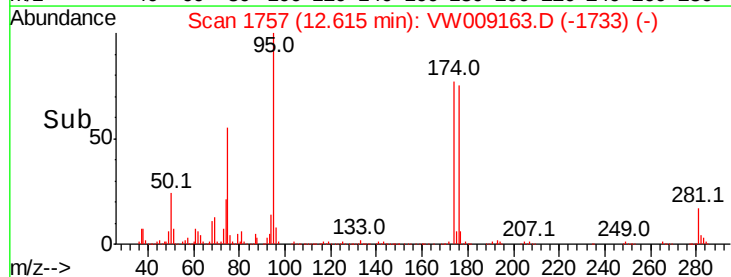
75 100

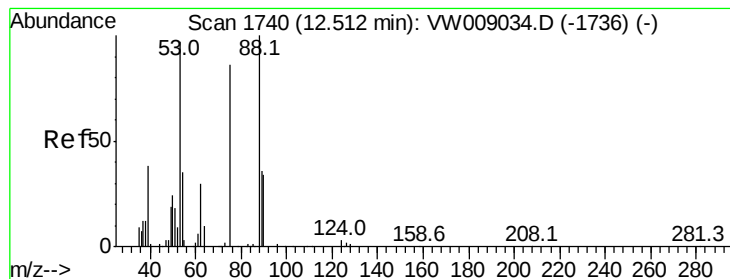
77 2.1 186.7 560.0#



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: 154.910 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009163.D

Acq: 13 Mar 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

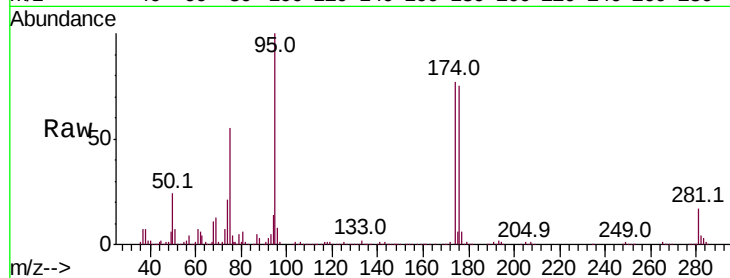
Tot Ion: 75 Resp: 112970

Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.2 37.5 56.3#



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

