

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009049.D
 Acq On : 07 Mar 2019 19:31
 Operator : SY/VA
 Sample : K1757-03
 Misc : 6.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6CD-S

Quant Time: Mar 08 05:44:09 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	292319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	457651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156258	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	166759	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.88	113	140924	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.32	98	540378	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.62	95	164528	36.93	ug/l	0.00
Spiked Amount			Recovery	=	73.86%	

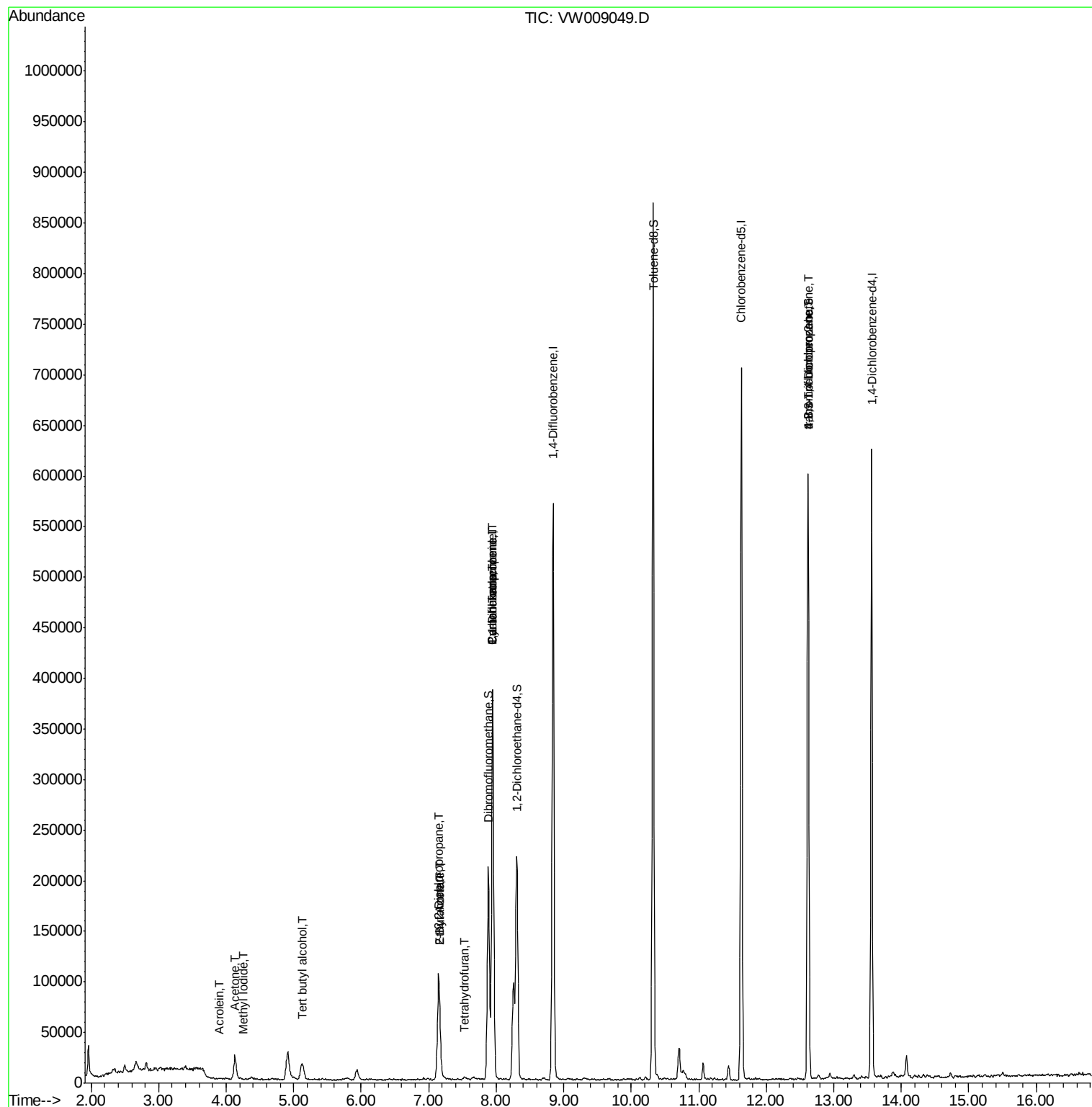
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.26	142	49	3.201	ug/l #	40
11) Tert butyl alcohol	5.13	59	14592	64.747	ug/l #	74
13) Acrolein	3.90	56	424	1.710	ug/l	98
16) Acetone	4.13	43	39300	59.217	ug/l	96
25) 2-Butanone	7.17	43	11332	12.355	ug/l	95
26) 2,2-Dichloropropane	7.14	77	7130	1.468	ug/l #	54
29) Tetrahydrofuran	7.54	42	2001	3.462	ug/l #	60
31) Cyclohexane	7.95	56	7801	1.422	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	22214	4.642	ug/l #	52
37) Ethyl Acetate	7.17	43	11332	5.042	ug/l #	71
38) Carbon Tetrachloride	7.95	117	28843	5.836	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	89006	72.095	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	89006	161.257	ug/l #	5

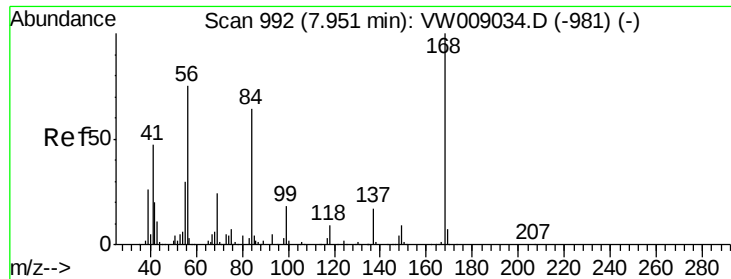
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
Data File : VW009049.D
Acq On : 07 Mar 2019 19:31
Operator : SY/VA
Sample : K1757-03
Misc : 6.98G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-6CD-S

Quant Time: Mar 08 05:44:09 2019
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: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

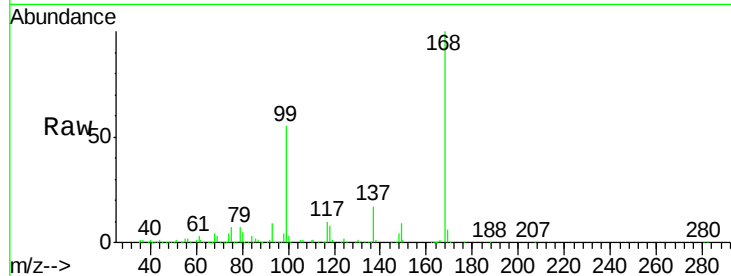
TP-6CD-S

Tgt Ion:168 Resp: 292319

Ion Ratio Lower Upper

168 100

99 55.4 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

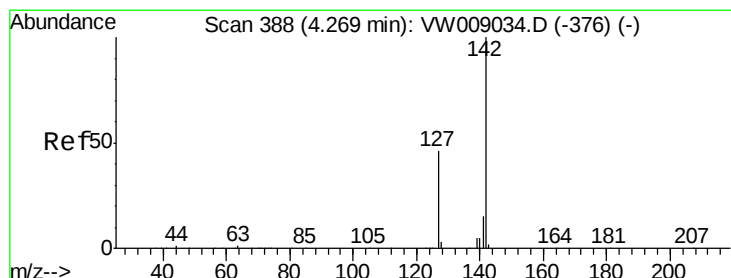
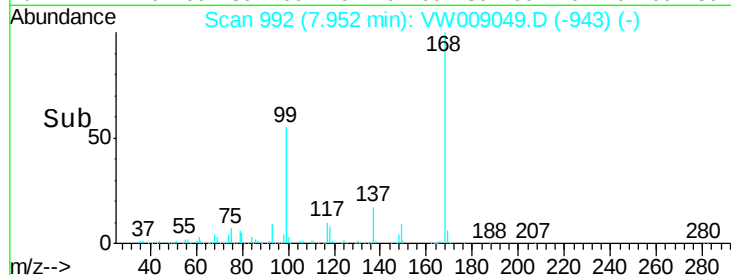
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.201 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

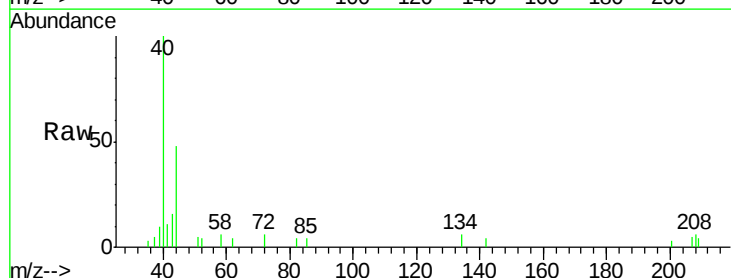
Tgt Ion:142 Resp: 49

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

4.26

80

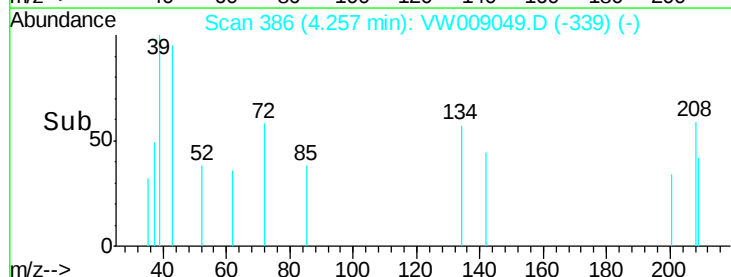
60

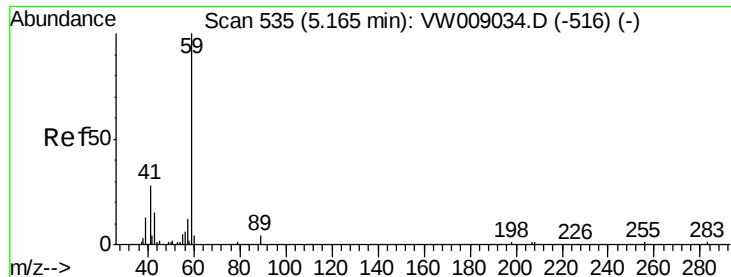
40

20

0

Time-->



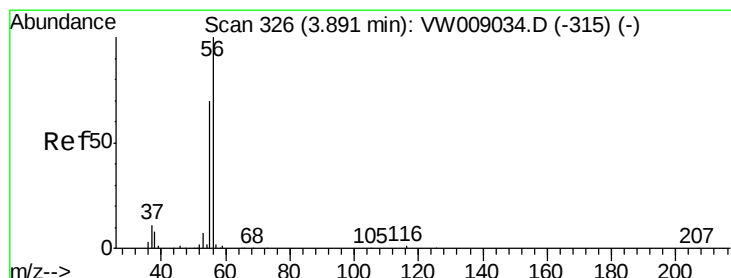
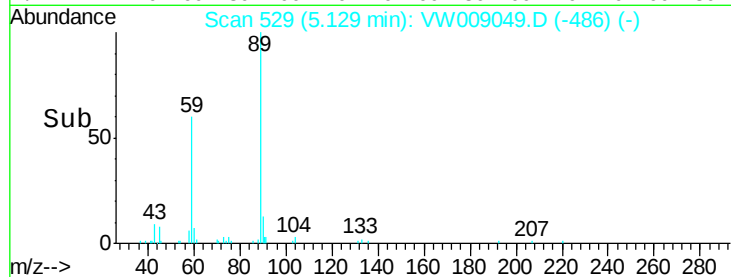
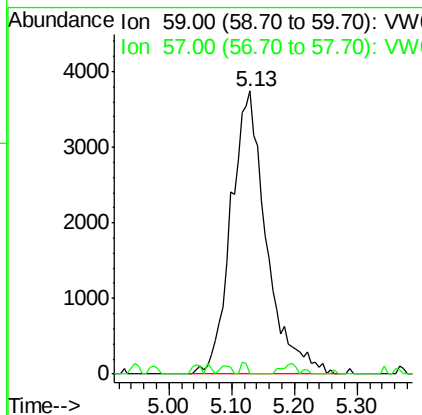
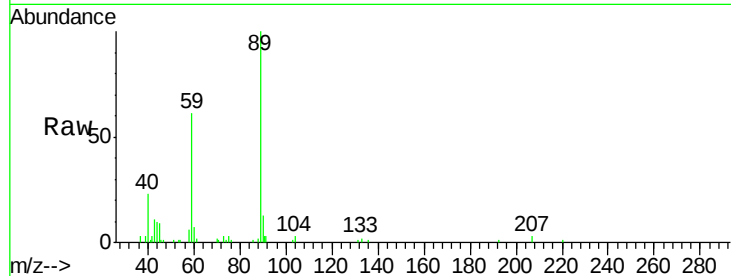


#11

Tert butyl alcohol
 Concen: 64.747 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6CD-S

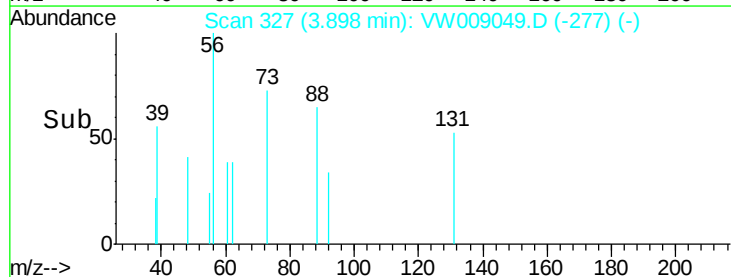
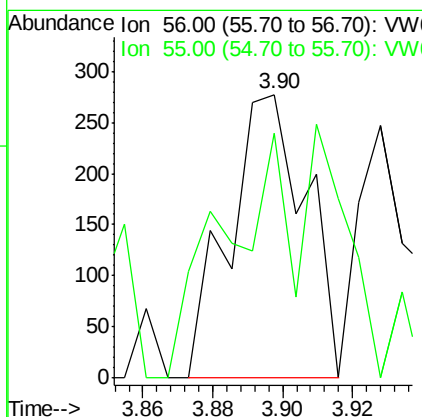
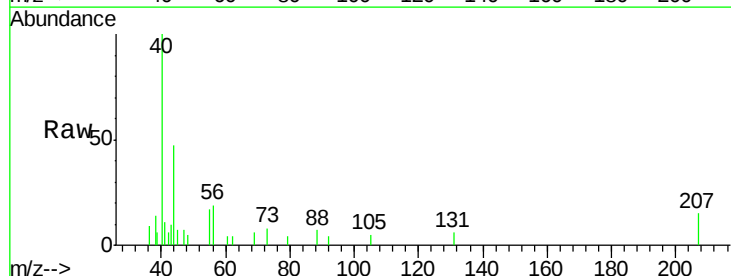
Tgt Ion: 59 Resp: 14592
 Ion Ratio Lower Upper
 59 100
 57 0.8 8.6 12.8#

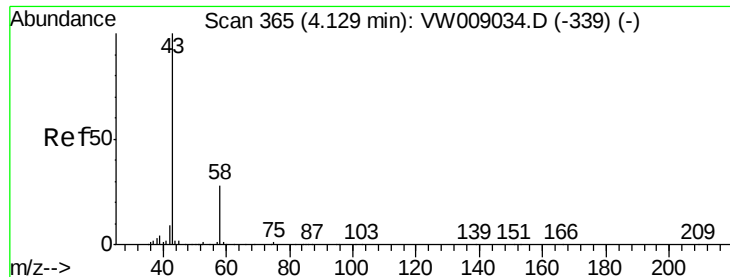


#13

Acrolein
 Concen: 1.710 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

Tgt Ion: 56 Resp: 424
 Ion Ratio Lower Upper
 56 100
 55 72.6 56.6 84.8





#16

Acetone

Concen: 59.217 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

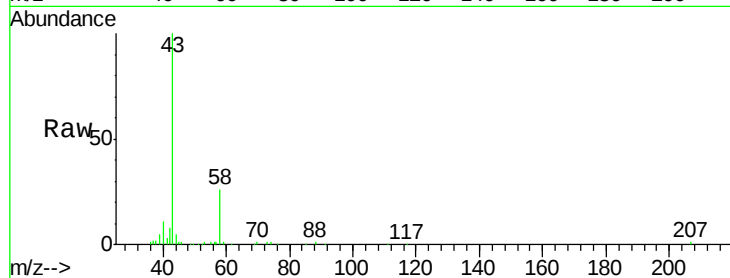
TP-6CD-S

Tgt Ion: 43 Resp: 39300

Ion Ratio Lower Upper

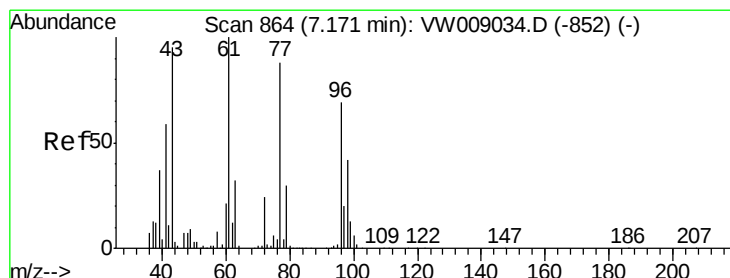
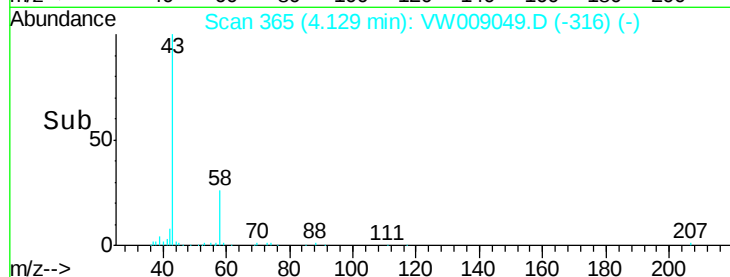
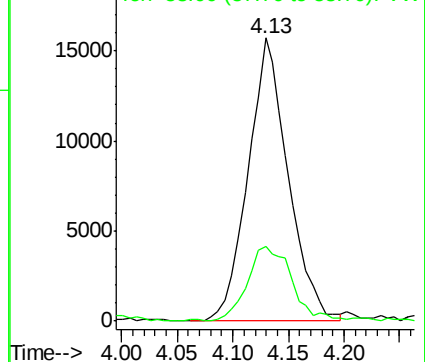
43 100

58 25.8 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 12.355 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009049.D

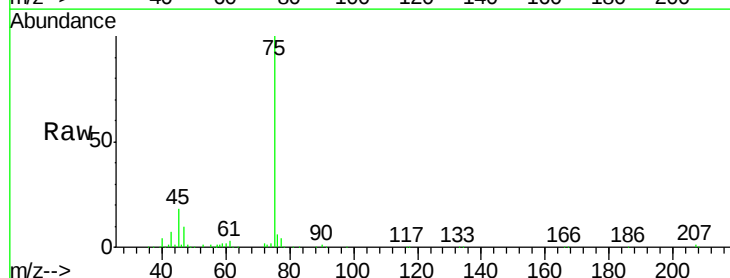
Acq: 07 Mar 2019 19:31

Tgt Ion: 43 Resp: 11332

Ion Ratio Lower Upper

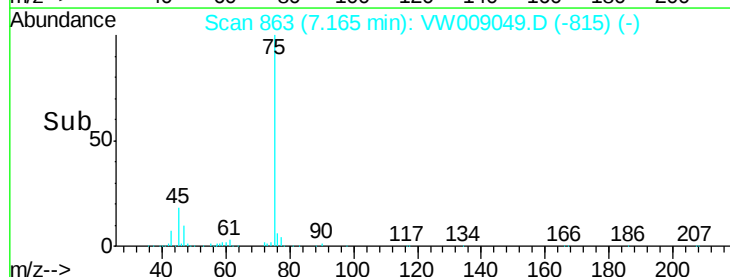
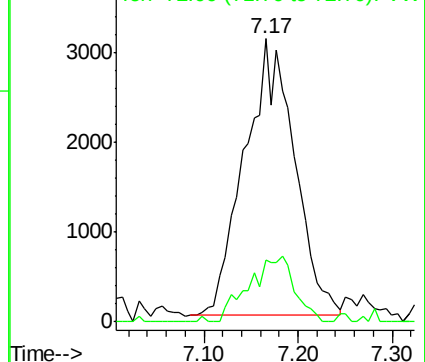
43 100

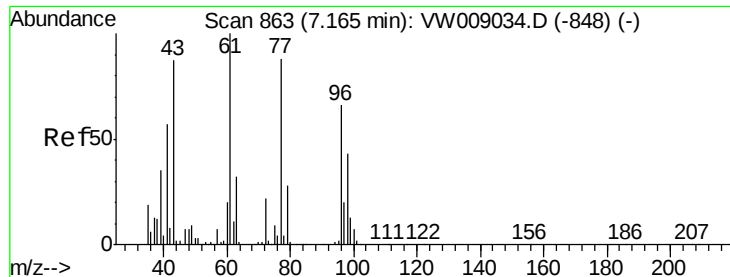
72 22.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.468 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

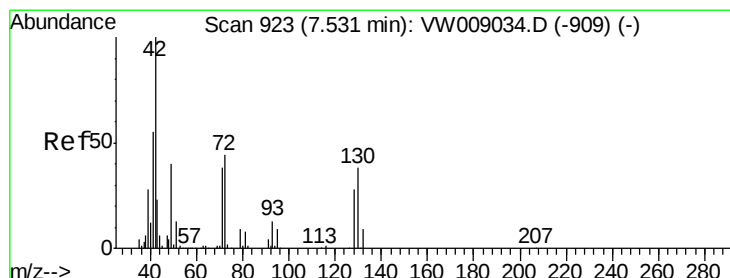
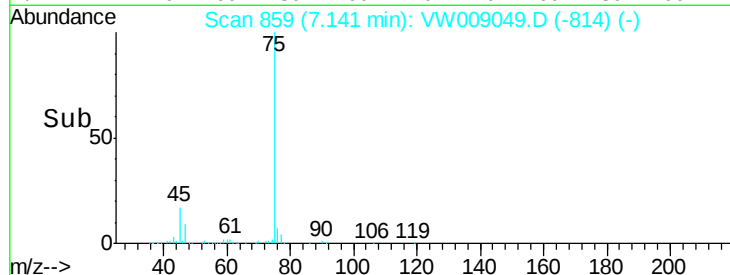
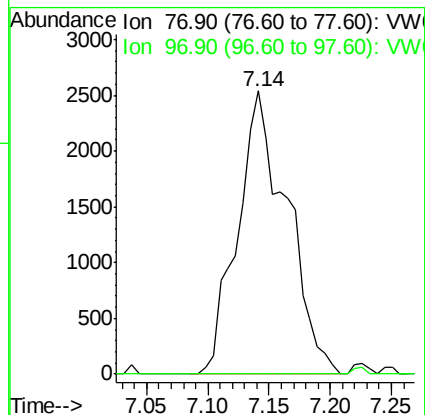
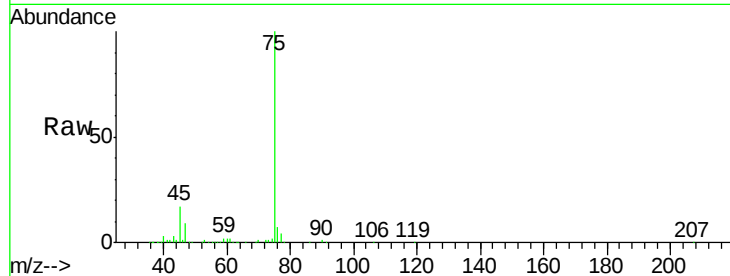
TP-6CD-S

Tgt Ion: 77 Resp: 7130

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.462 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

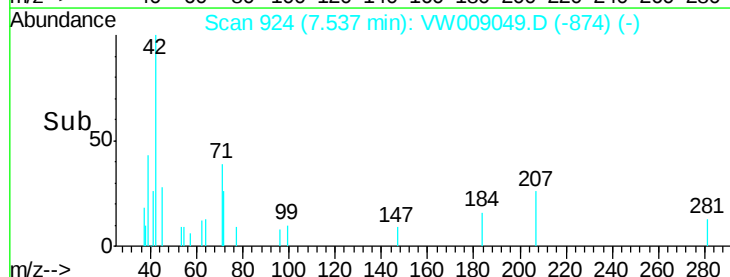
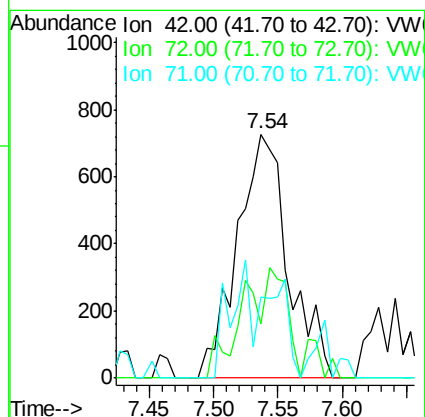
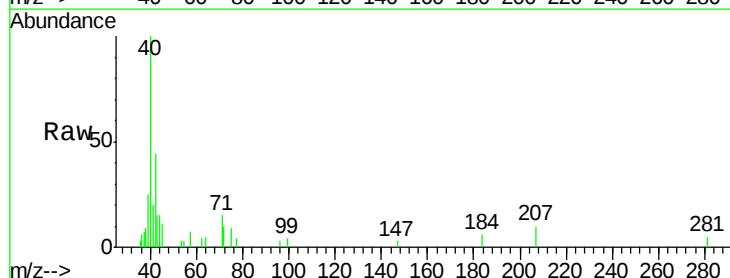
Tgt Ion: 42 Resp: 2001

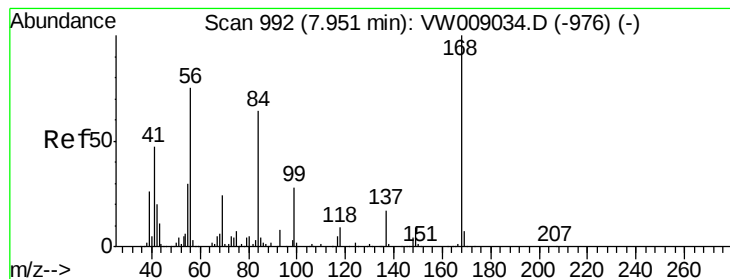
Ion Ratio Lower Upper

42 100

72 18.6 32.2 48.4#

71 10.9 30.7 46.1#





#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

TP-6CD-S

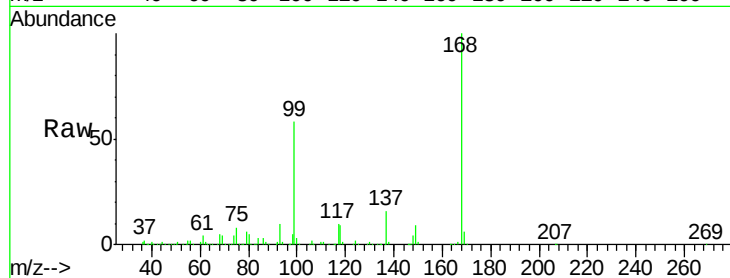
Tgt Ion: 56 Resp: 7801

Ion Ratio Lower Upper

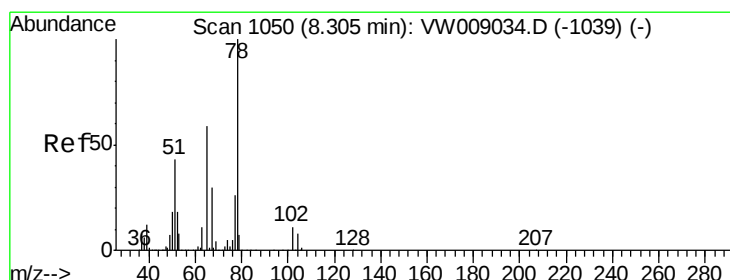
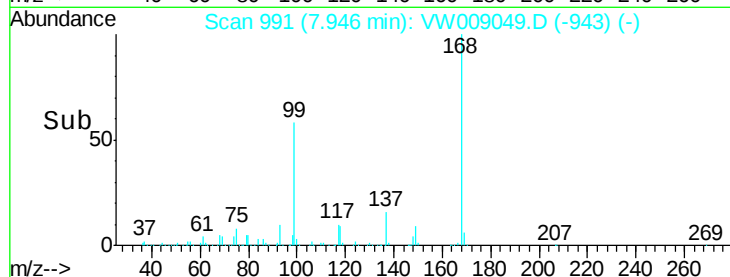
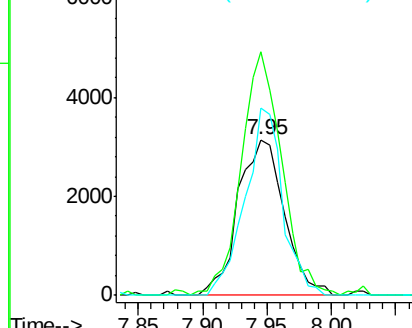
56 100

69 156.2 25.5 38.3#

84 120.1 68.6 103.0#



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: 56.701 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009049.D

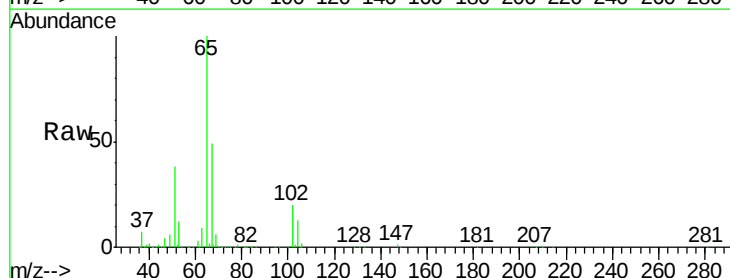
Acq: 07 Mar 2019 19:31

Tgt Ion: 65 Resp: 166759

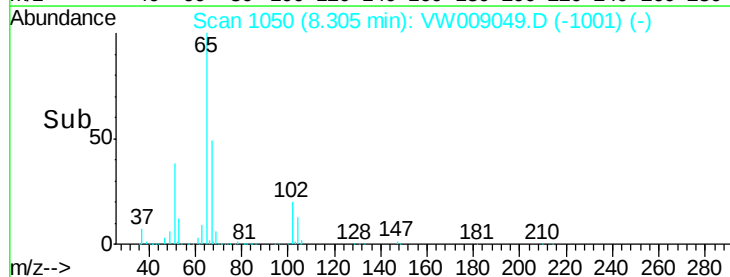
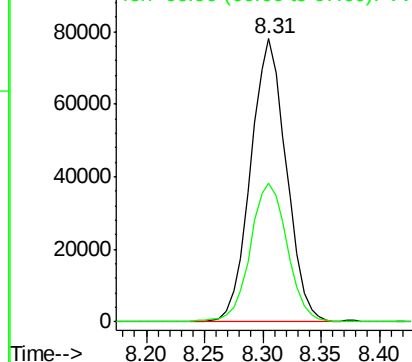
Ion Ratio Lower Upper

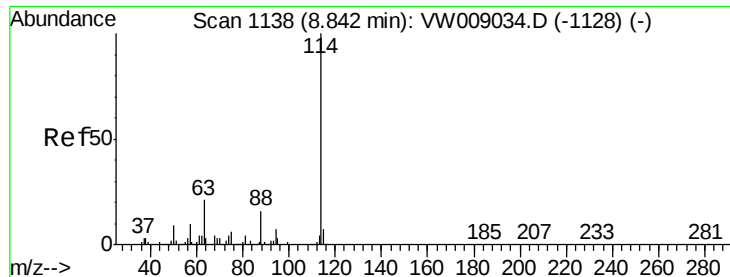
65 100

67 51.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

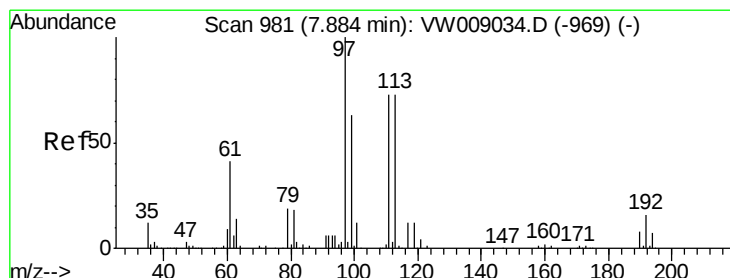
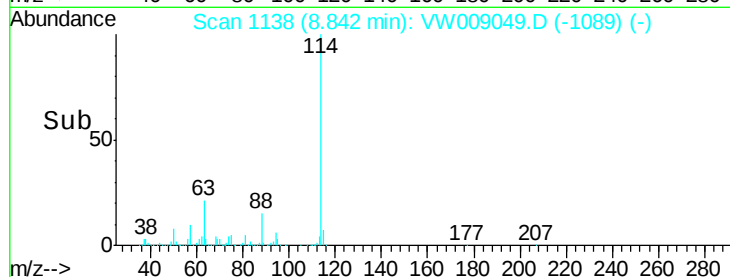
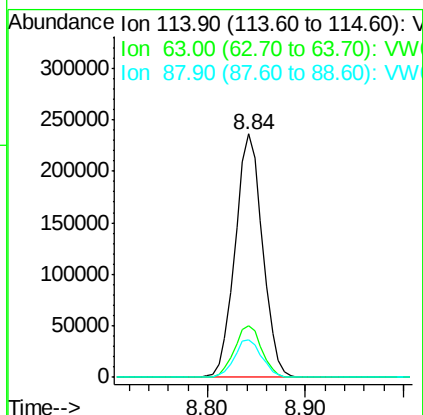
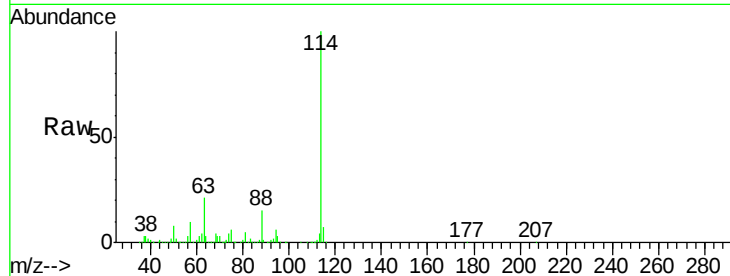




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

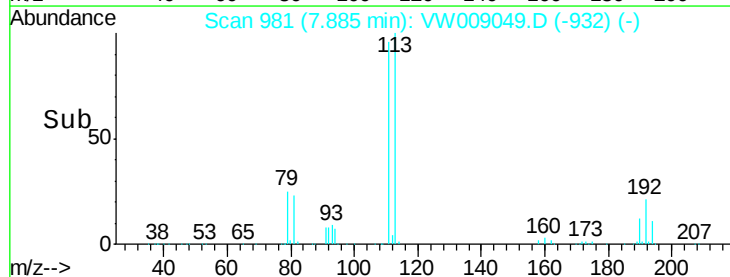
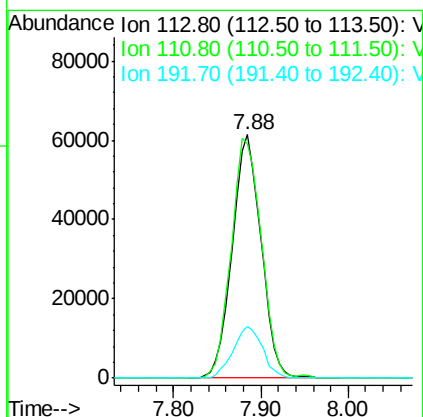
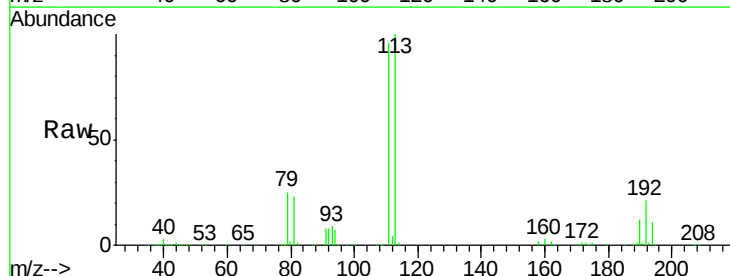
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6CD-S

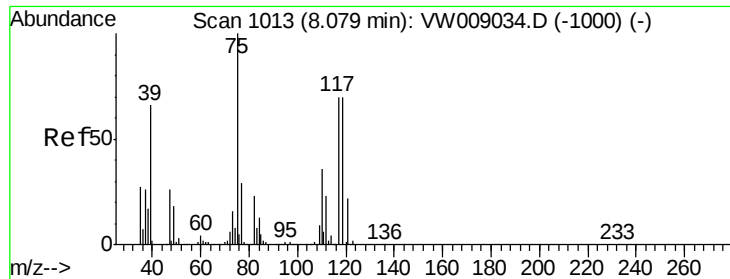
Tgt Ion:114 Resp: 457651
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 15.4 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 51.143 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

Tgt Ion:113 Resp: 140924
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.4
 192 21.6 17.1 25.7

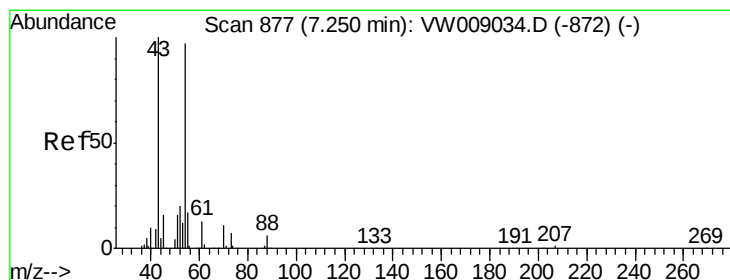
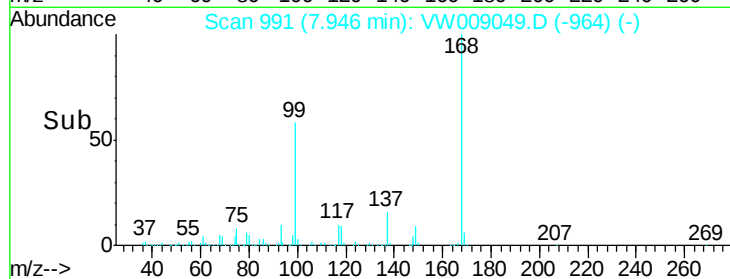
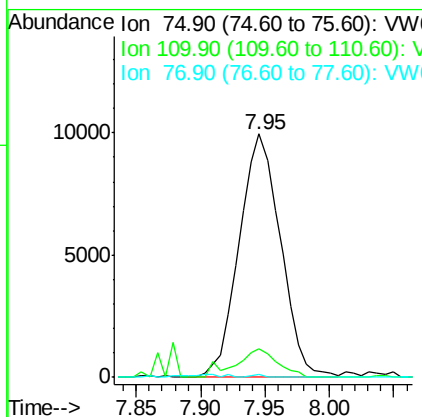
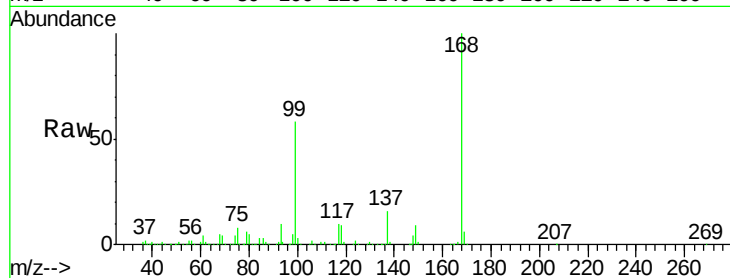




#36
 1,1-Dichloropropene
 Concen: 4.642 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

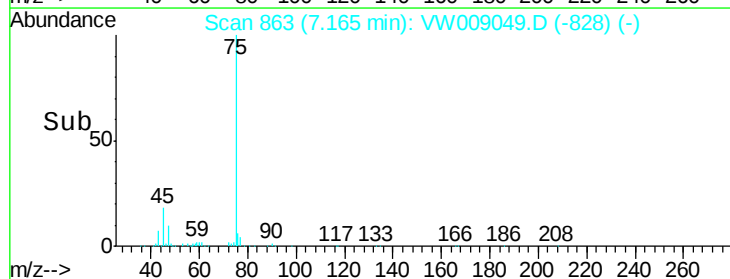
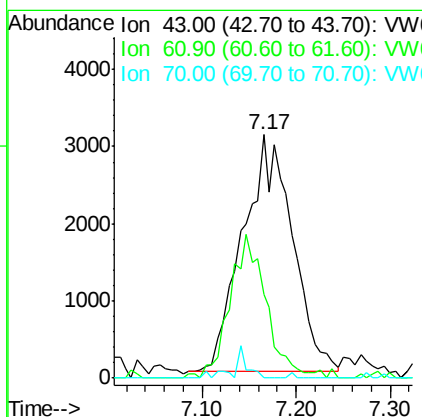
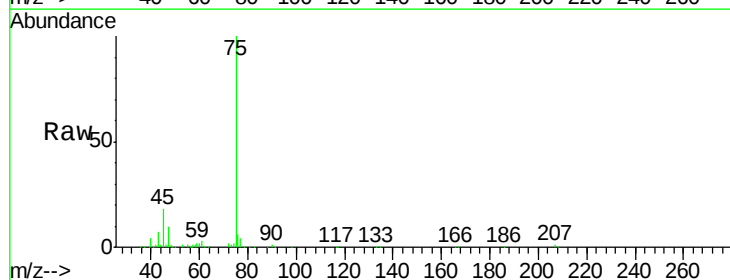
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-6CD-S

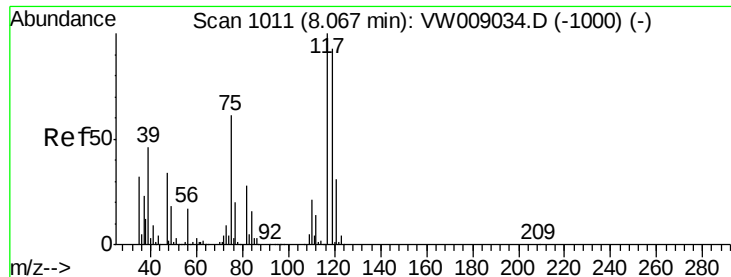
Tgt Ion: 75 Resp: 22214
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.6 52.9#
 77 0.4 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 5.042 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VW009049.D
 Acq: 07 Mar 2019 19:31

Tgt Ion: 43 Resp: 11332
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.8 14.6#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

TP-6CD-S

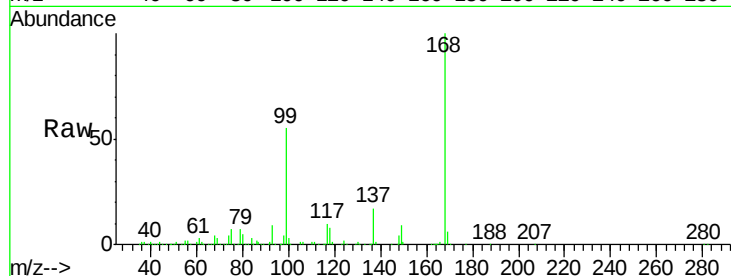
Tgt Ion:117 Resp: 28843

Ion Ratio Lower Upper

117 100

119 5.0 74.6 112.0#

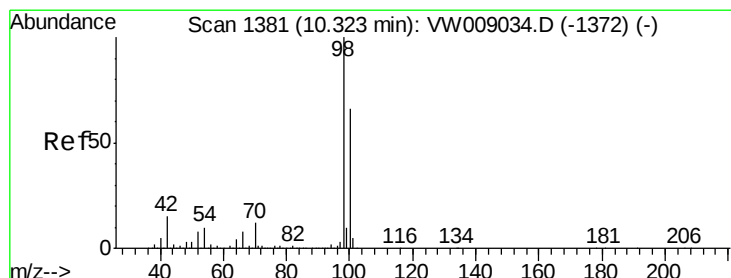
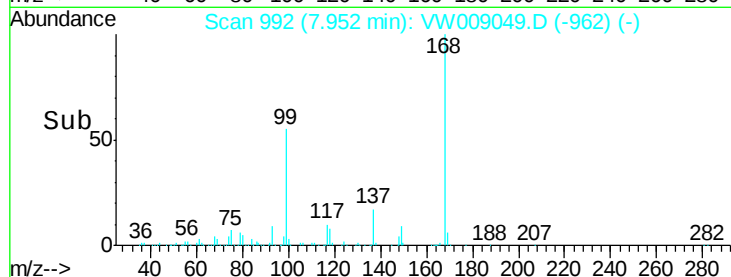
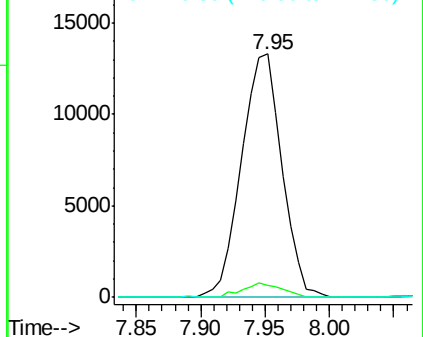
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 47.749 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009049.D

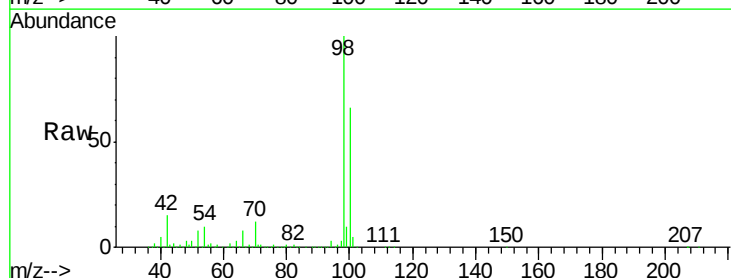
Acq: 07 Mar 2019 19:31

Tgt Ion: 98 Resp: 540378

Ion Ratio Lower Upper

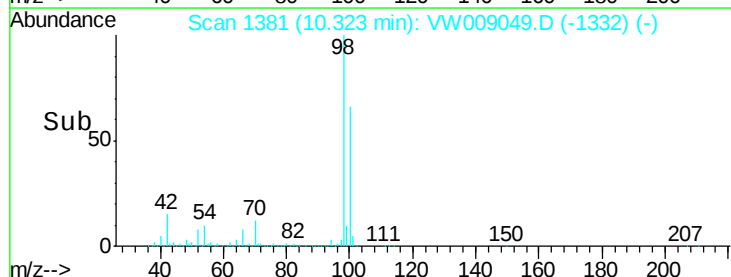
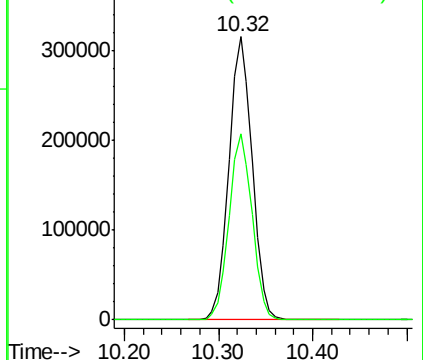
98 100

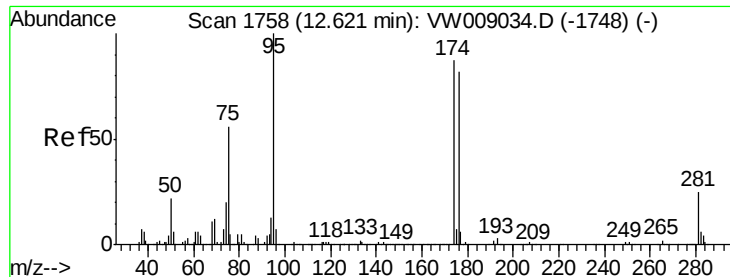
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 36.930 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

TP-6CD-S

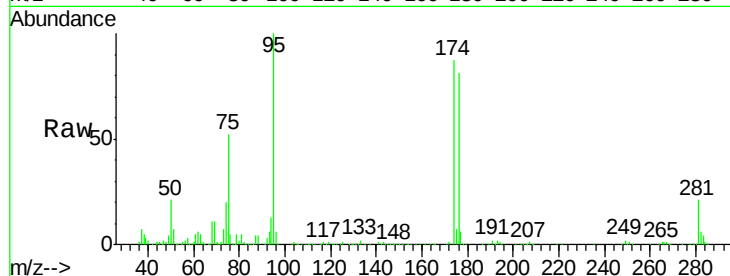
Tgt Ion: 95 Resp: 164528

Ion Ratio Lower Upper

95 100

174 85.6 0.0 167.0

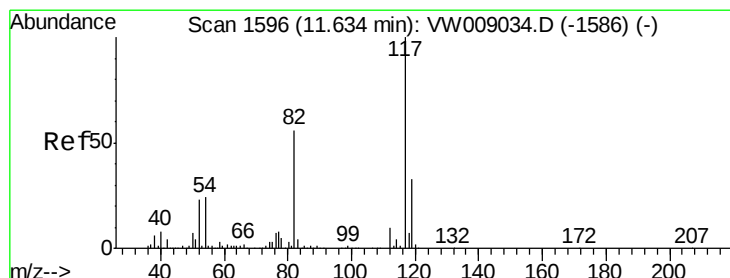
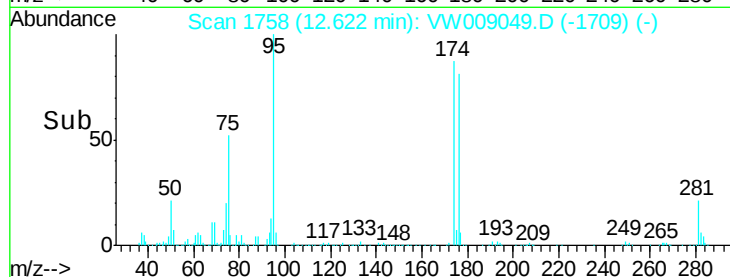
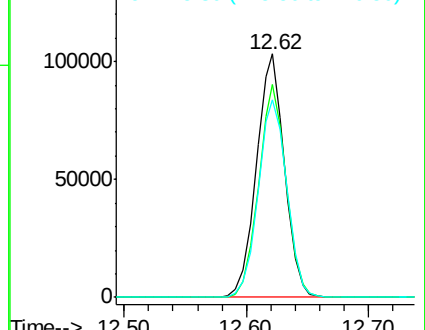
176 83.1 0.0 159.4



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: VW009049.D

Acq: 07 Mar 2019 19:31

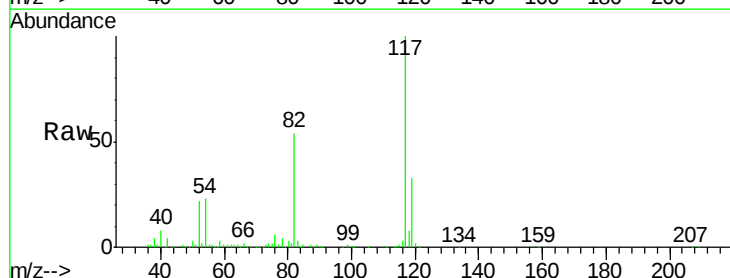
Tgt Ion: 117 Resp: 386632

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.6

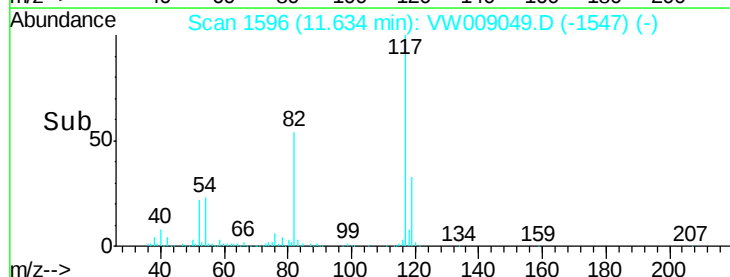
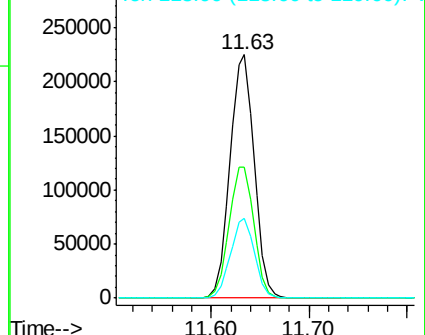
119 32.6 26.6 39.8

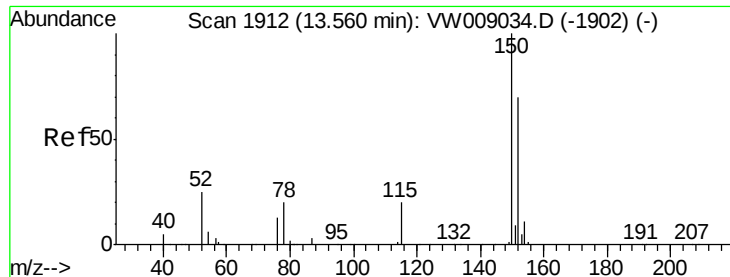


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW009049.D

Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

TP-6CD-S

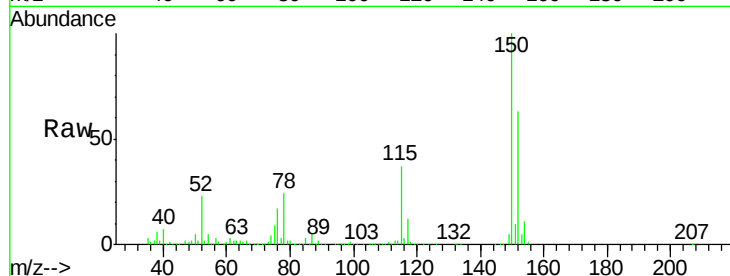
Tgt Ion:152 Resp: 156258

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

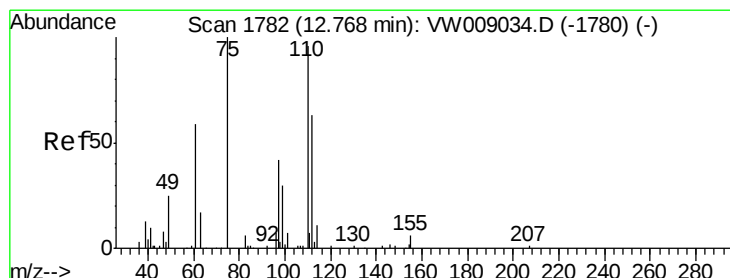
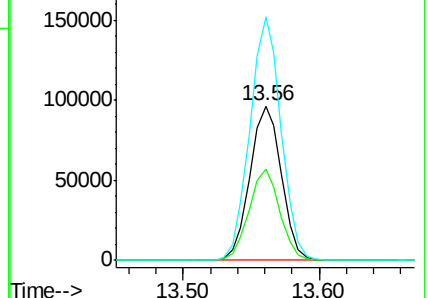
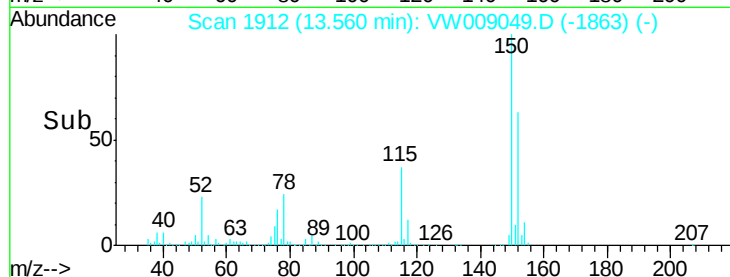
150 155.9 0.0 349.2



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: 72.095 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009049.D

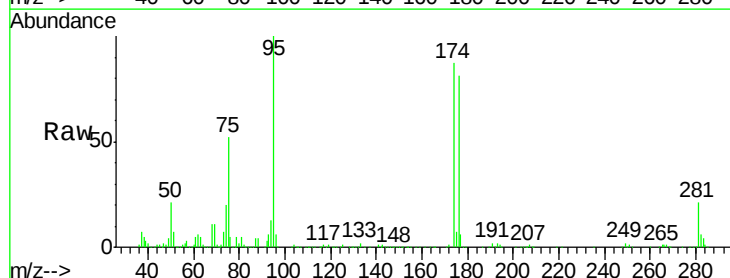
Acq: 07 Mar 2019 19:31

Tgt Ion: 75 Resp: 89006

Ion Ratio Lower Upper

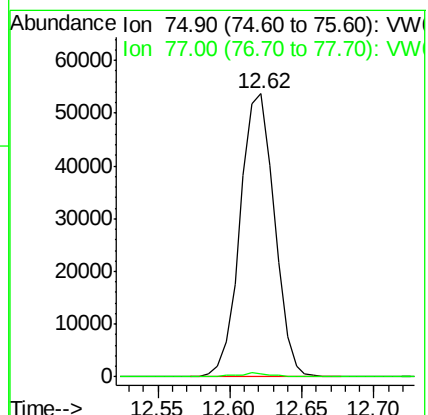
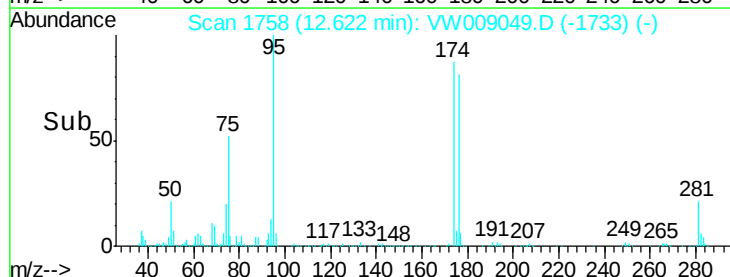
75 100

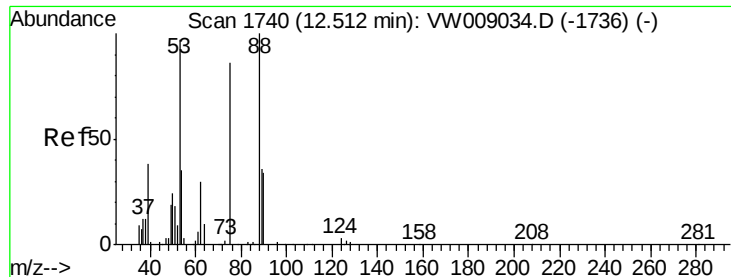
77 1.3 186.7 560.0#



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: 161.257 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009049.D

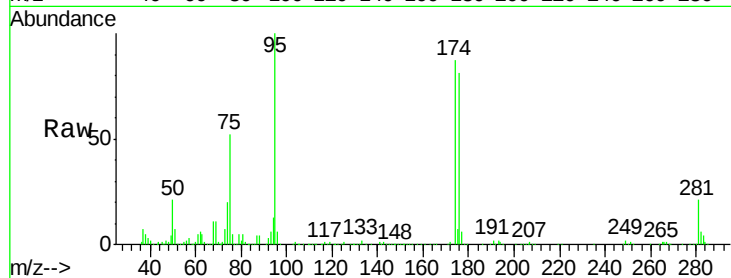
Acq: 07 Mar 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

TP-6CD-S



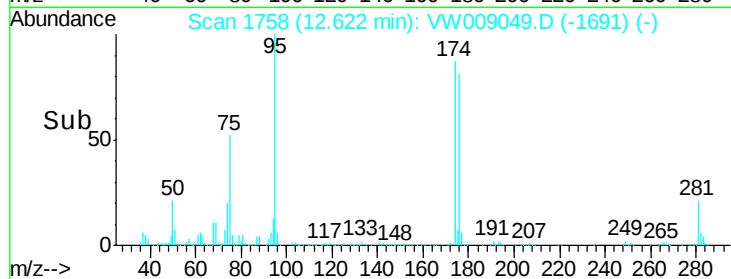
Tgt Ion: 75 Resp: 89006

Ion Ratio Lower Upper

75 100

53 0.3 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

