

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010509.D
 Acq On : 22 May 2019 14:42
 Operator : SY/VA
 Sample : K2993-18
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 COMP-3

Quant Time: May 23 06:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

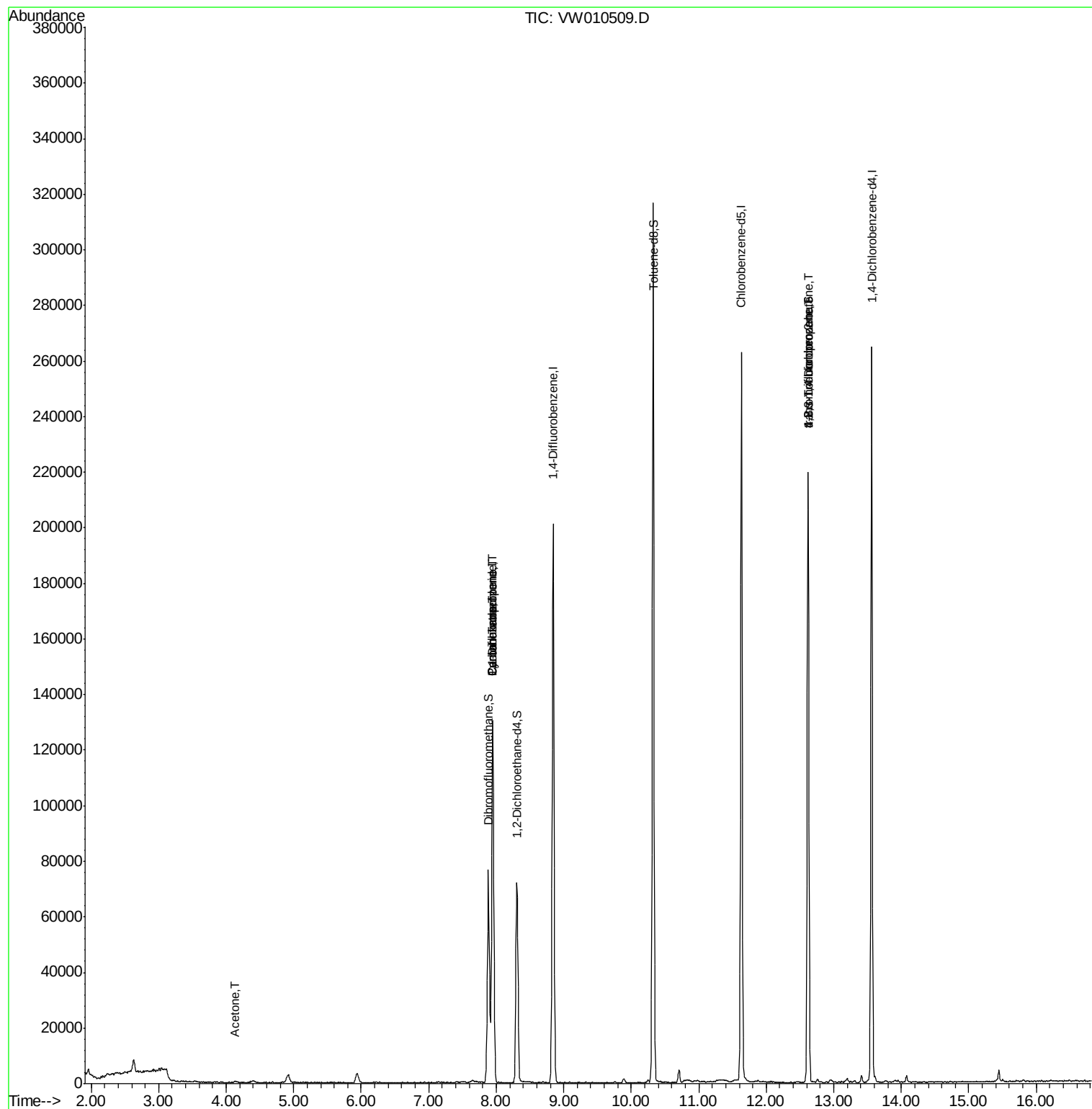
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	173626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69197	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56556	57.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.60%	
35) Dibromofluoromethane	7.88	113	54751	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
50) Toluene-d8	10.32	98	213550	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.62	95	80392	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
Target Compounds						
					Qvalue	
13) Acrolein	3.79	56	19	Below Cal	#	13
16) Acetone	4.13	43	838	4.196	ug/l #	81
20) Methylene Chloride	4.92	84	2406	Below Cal	#	89
31) Cyclohexane	7.95	56	2012	1.083	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	7623	4.713	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10081	5.778	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	38474	54.776	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	38474	114.318	ug/l #	14

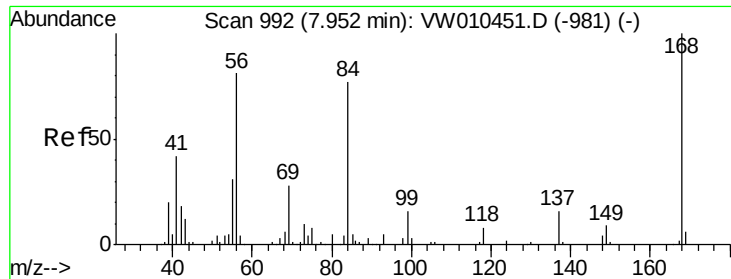
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

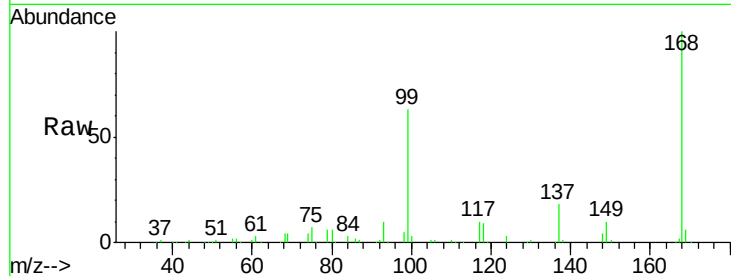
COMP-3

Tot Ion:168 Resp: 94797

Ion Ratio Lower Upper

168 100

99 63.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

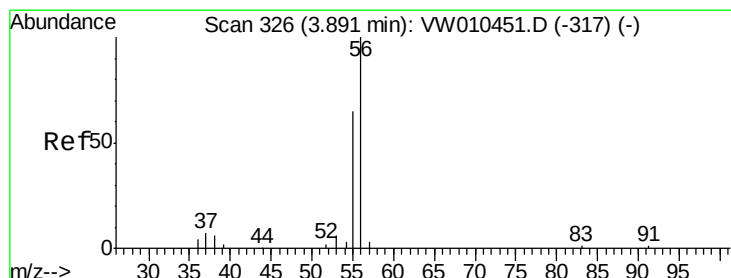
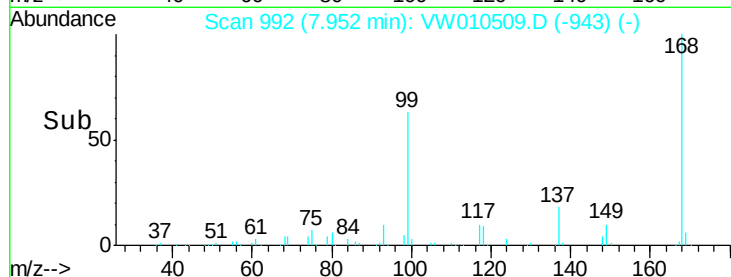
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.79 min Scan# 309

Delta R.T. -0.10 min

Lab File: VW010509.D

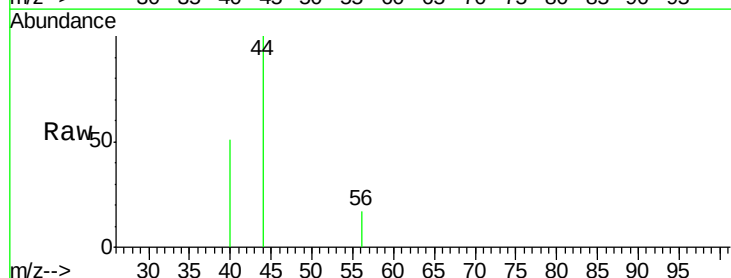
Acq: 22 May 2019 14:42

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.79

60

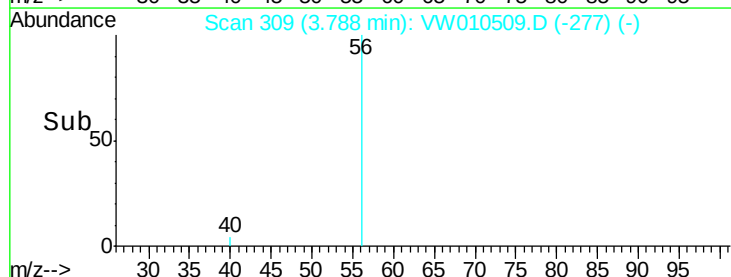
40

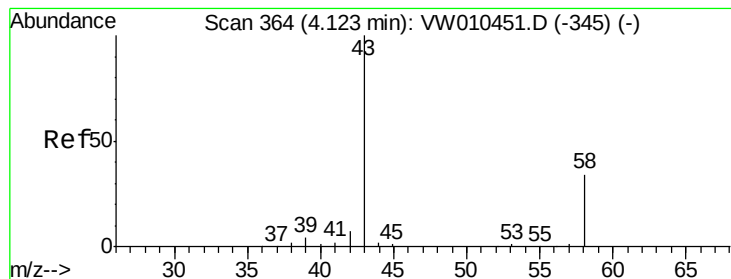
20

0

3.77 3.78 3.79 3.80

Time-->





#16

Acetone

Concen: 4.196 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

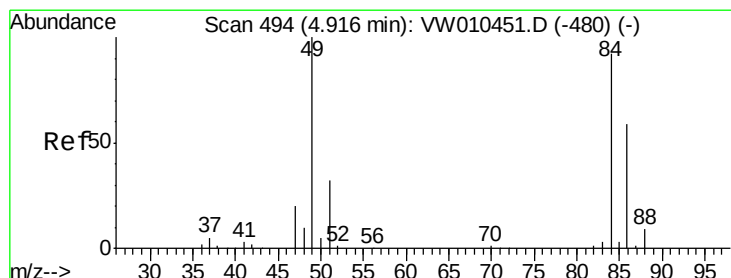
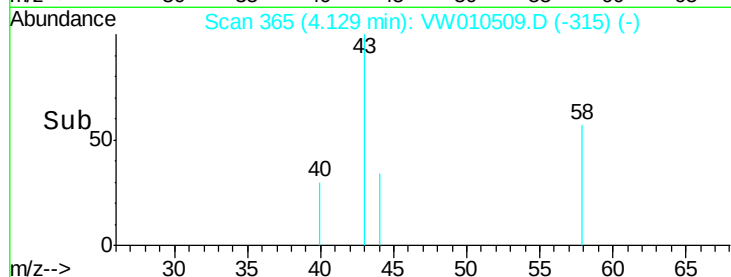
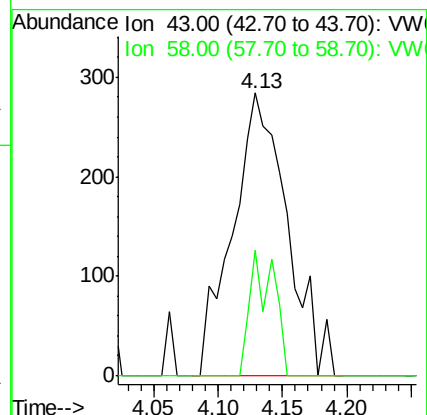
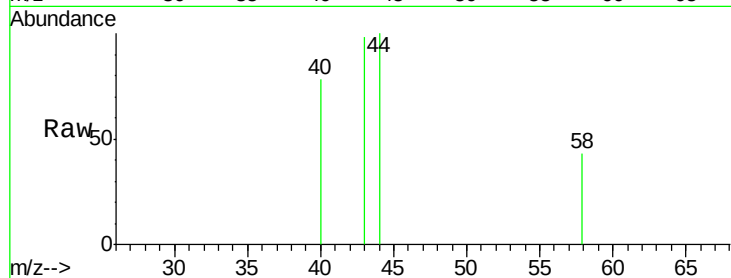
COMP-3

Tot Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

58 44.4 27.0 40.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Tgt Ion: 84 Resp: 2406

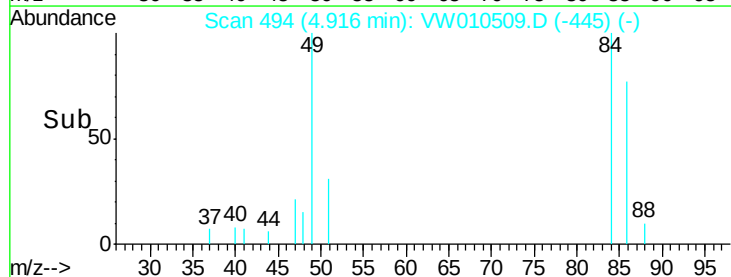
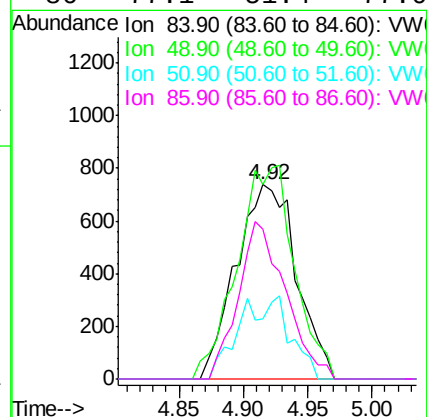
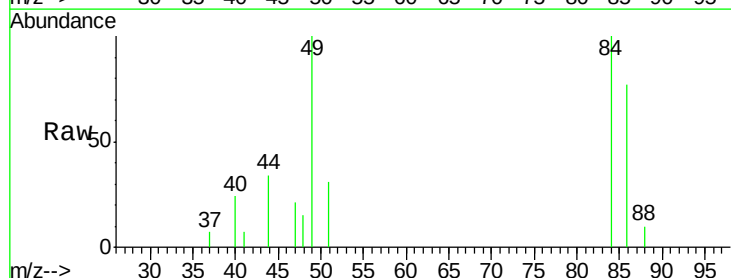
Ion Ratio Lower Upper

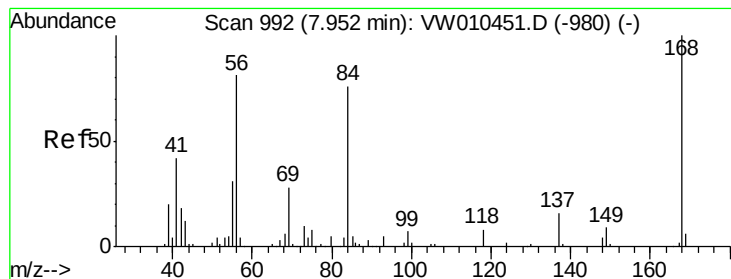
84 100

49 99.9 87.2 130.8

51 31.3 27.7 41.5

86 77.1 51.4 77.0#





#31

Cyclohexane

Concen: 1.083 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

COMP-3

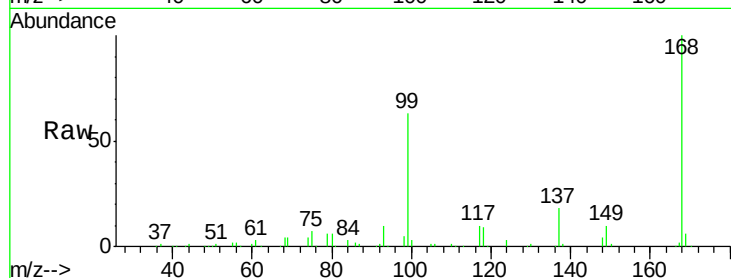
Tot Ion: 56 Resp: 2012

Ion Ratio Lower Upper

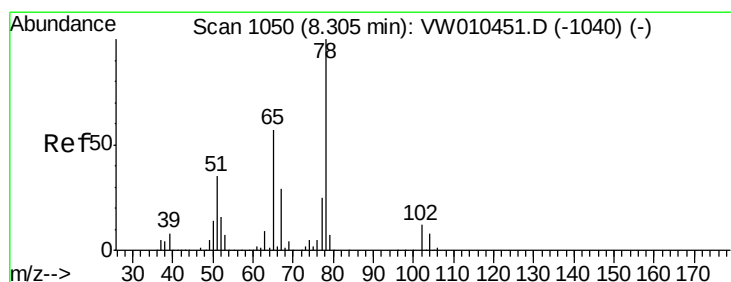
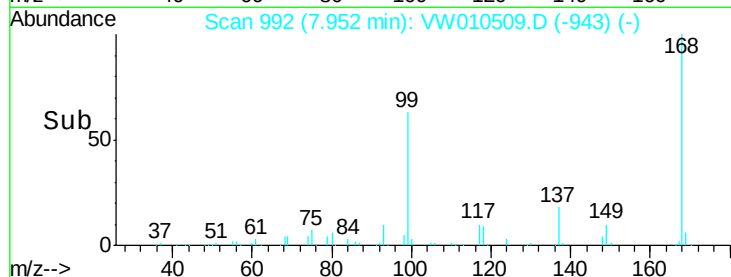
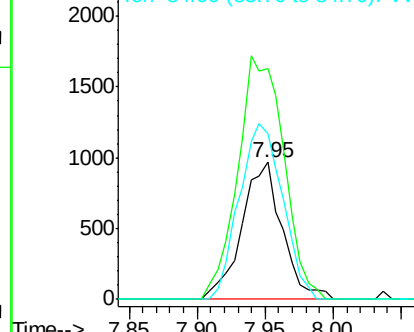
56 100

69 167.8 28.2 42.2#

84 120.8 75.8 113.8#



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: 57.801 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010509.D

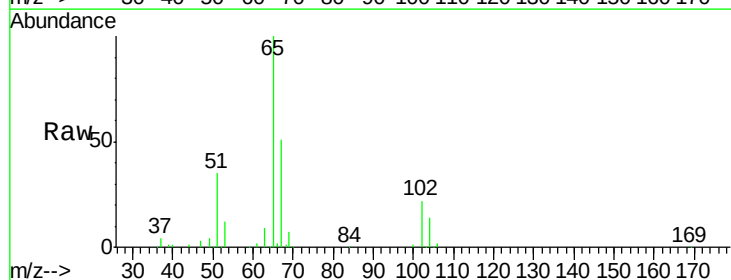
Acq: 22 May 2019 14:42

Tgt Ion: 65 Resp: 56556

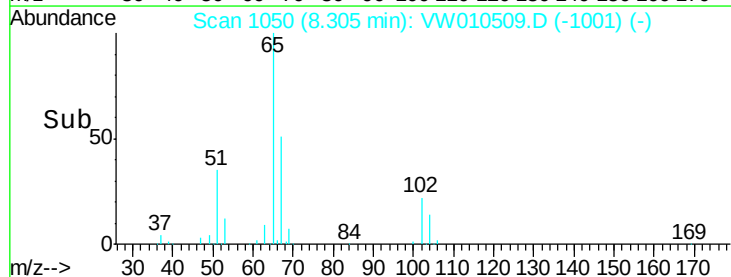
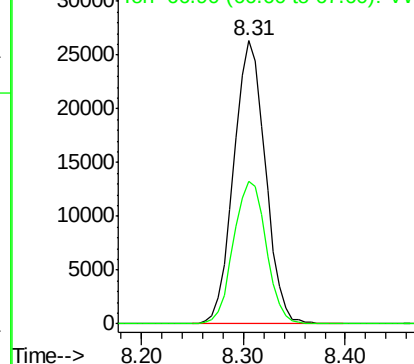
Ion Ratio Lower Upper

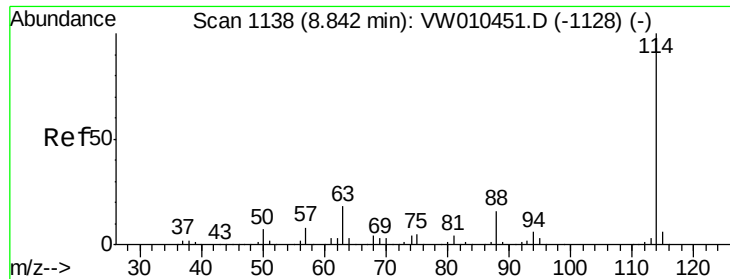
65 100

67 52.0 0.0 103.6



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

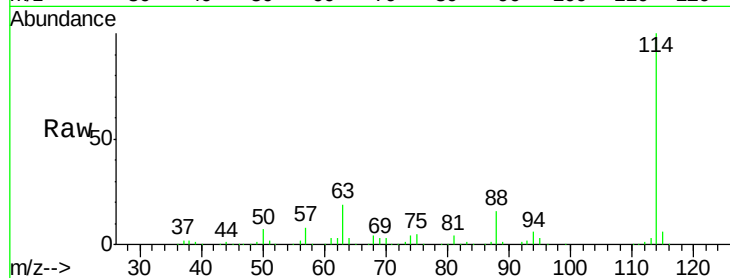




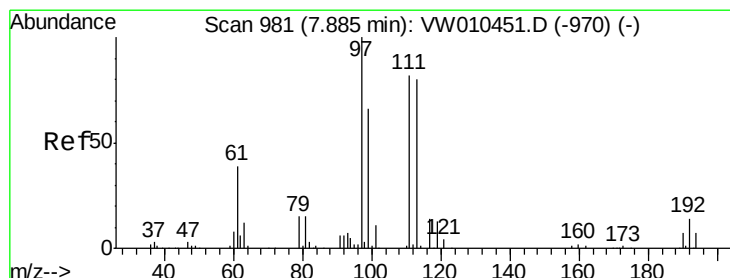
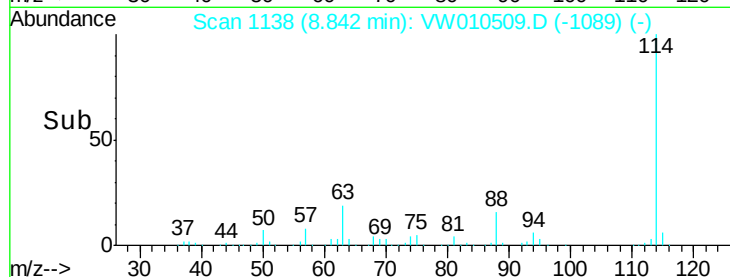
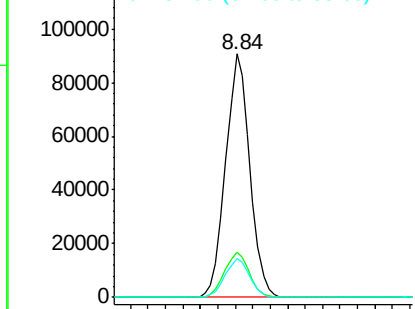
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

Instrument :
MSVOA_W
ClientSampleId :
COMP-3

Tot Ion:114 Resp: 173626
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.0
88 16.2 0.0 32.0

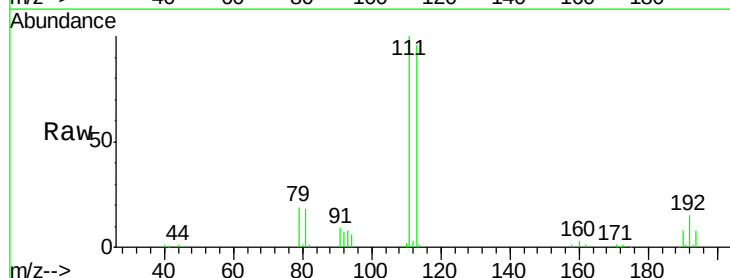


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

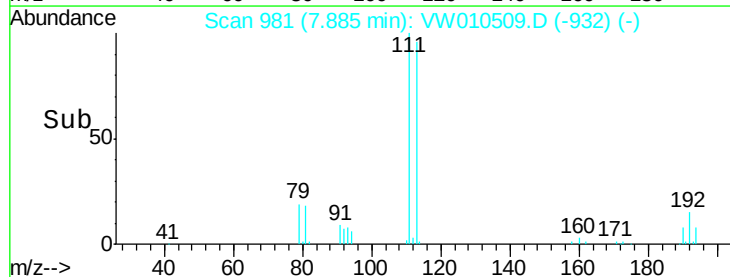
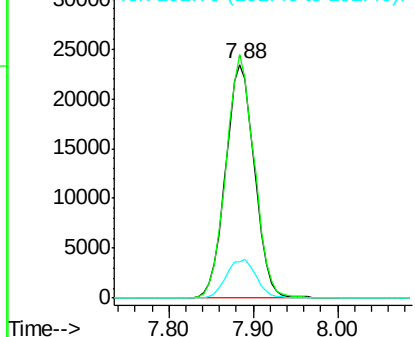


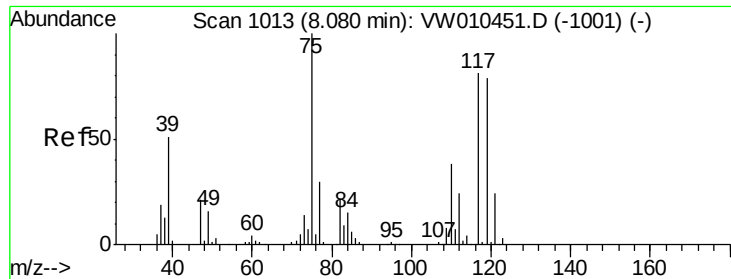
#35
Dibromofluoromethane
Concen: 51.969 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

Tgt Ion:113 Resp: 54751
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 17.0 14.3 21.5



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: 4.713 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Instrument :

MSVOA_W

ClientSampleId :

COMP-3

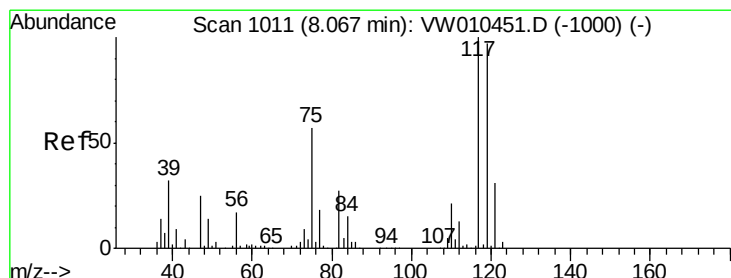
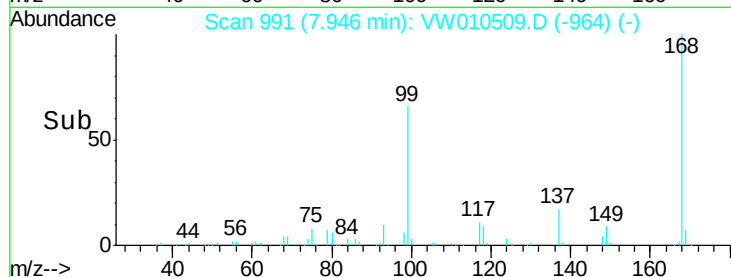
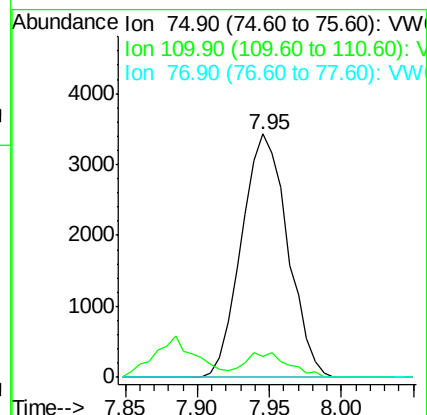
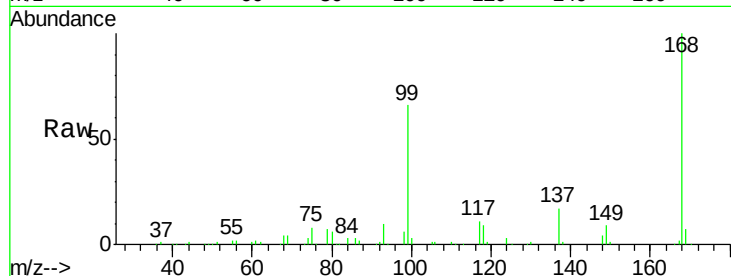
Tot Ion: 75 Resp: 7623

Ion Ratio Lower Upper

75 100

110 9.6 19.2 57.6#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.778 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

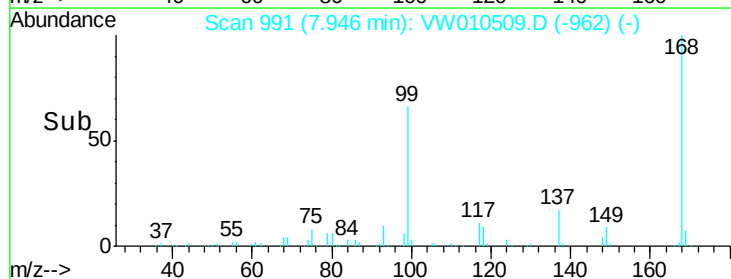
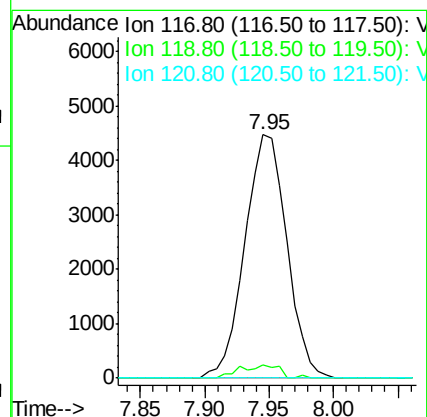
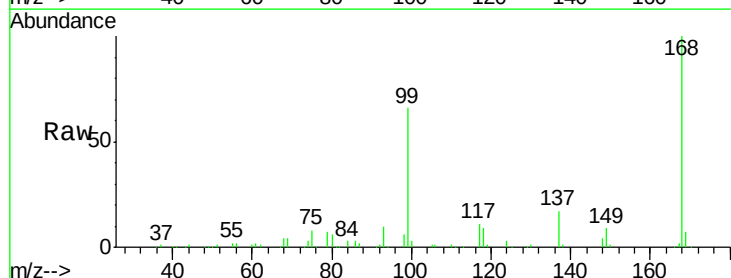
Tgt Ion: 117 Resp: 10081

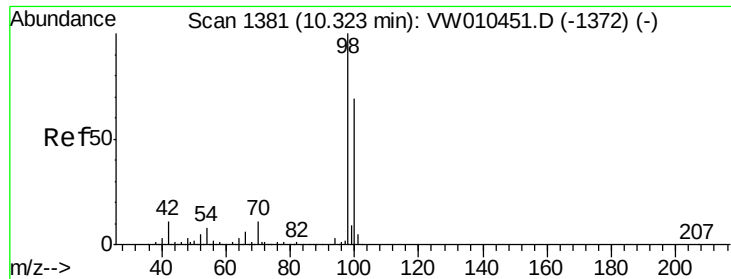
Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

121 0.0 25.0 37.6#

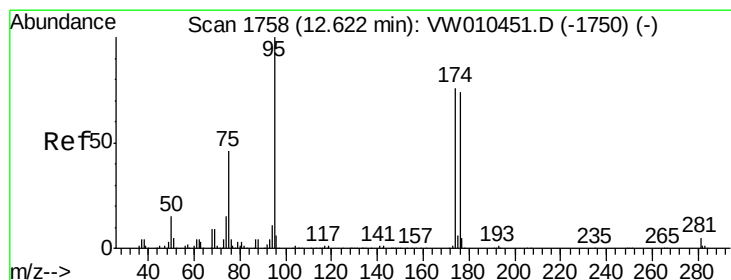
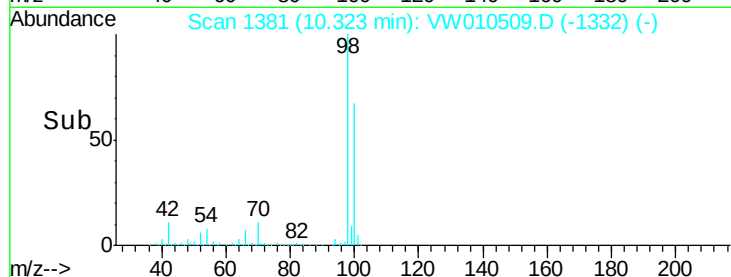
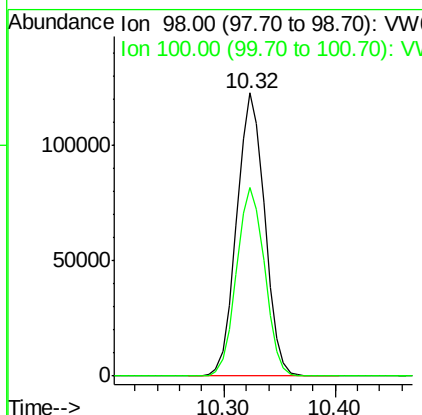
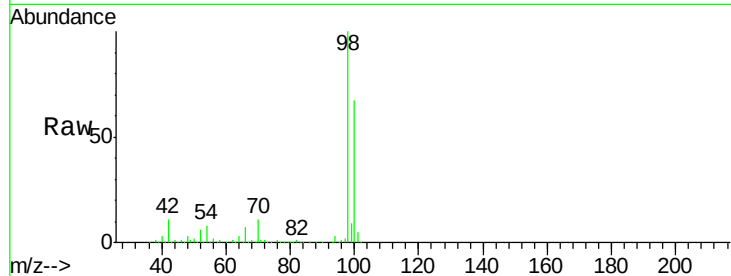




#50
Toluene-d8
Concen: 53.059 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

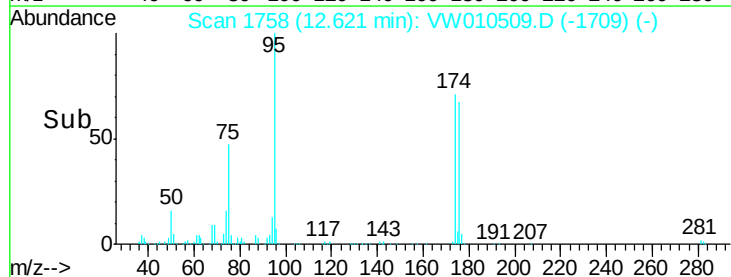
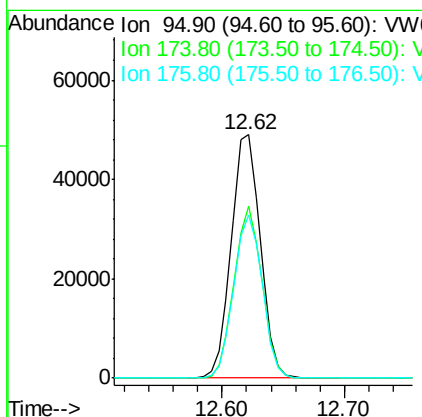
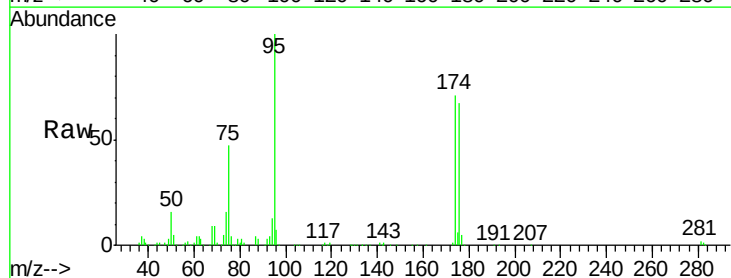
Instrument :
MSVOA_W
ClientSampleId :
COMP-3

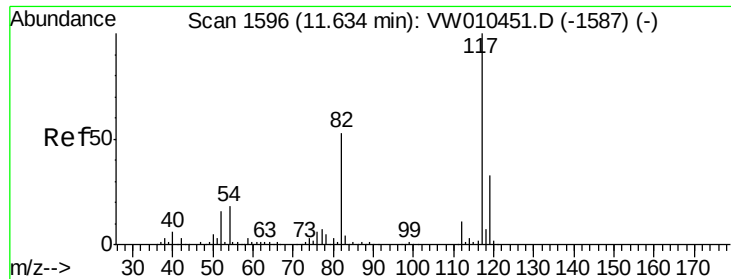
Tot Ion: 98 Resp: 21350
Ion Ratio Lower Upper
98 100
100 67.1 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 50.148 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

Tgt Ion: 95 Resp: 80392
Ion Ratio Lower Upper
95 100
174 67.8 0.0 148.6
176 65.6 0.0 144.2

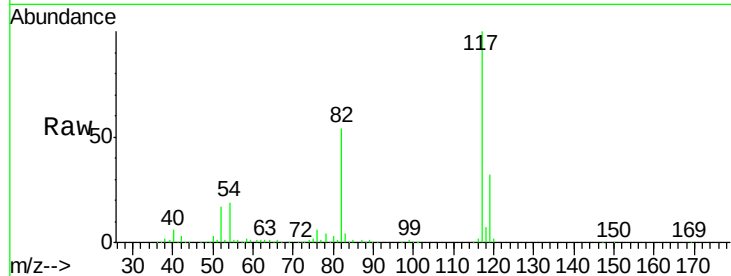




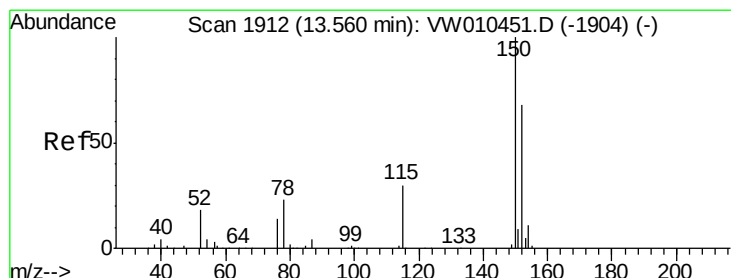
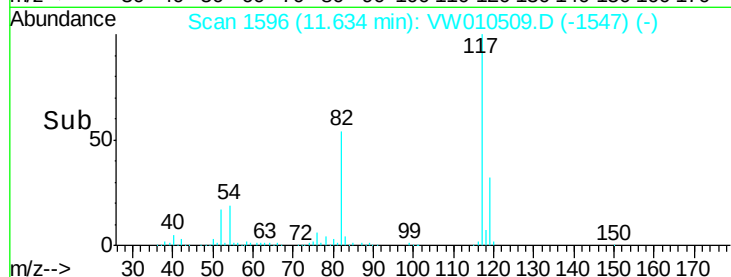
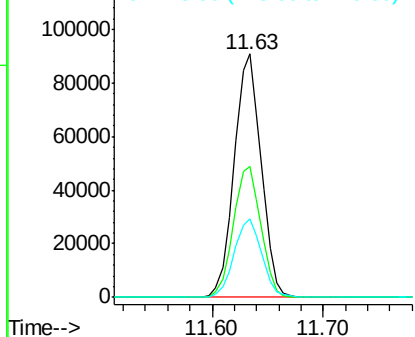
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

Instrument :
MSVOA_W
ClientSampleId :
COMP-3

Tot Ion:117 Resp: 152044
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 31.9 26.3 39.5

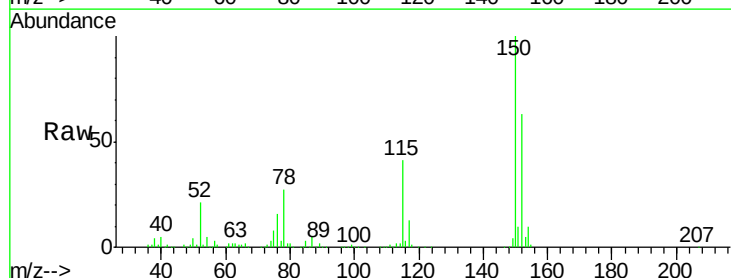


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

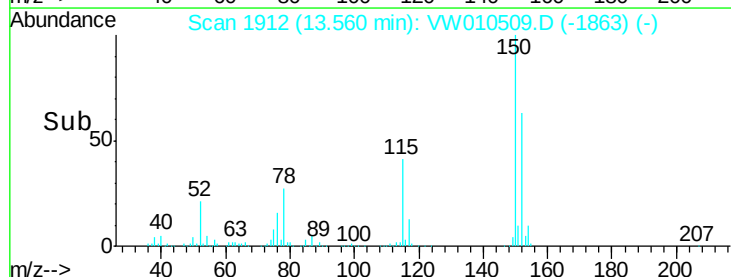
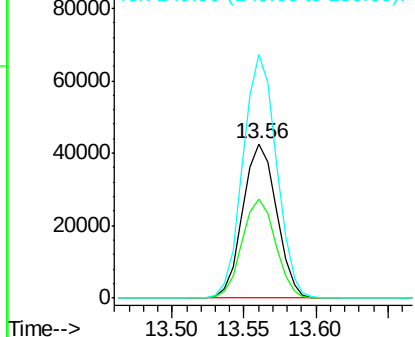


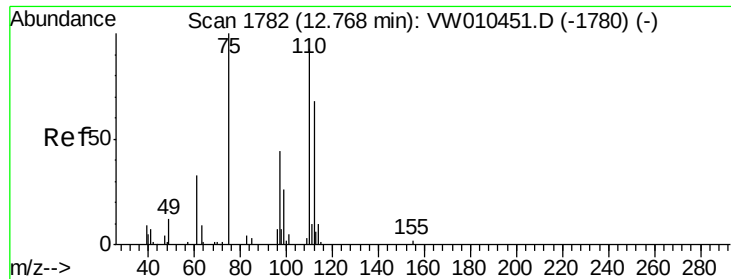
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010509.D
Acq: 22 May 2019 14:42

Tgt Ion:152 Resp: 69197
Ion Ratio Lower Upper
152 100
115 63.8 30.3 91.0
150 156.4 0.0 349.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.776 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Instrument :

MSVOA_W

ClientSampled :

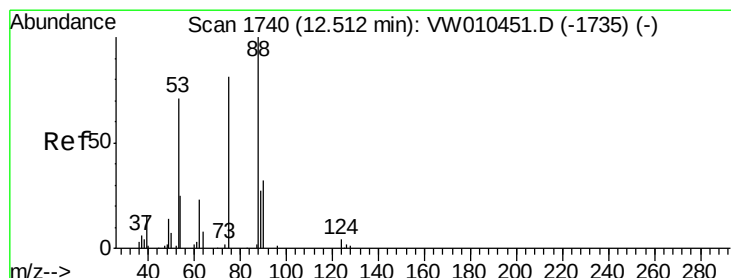
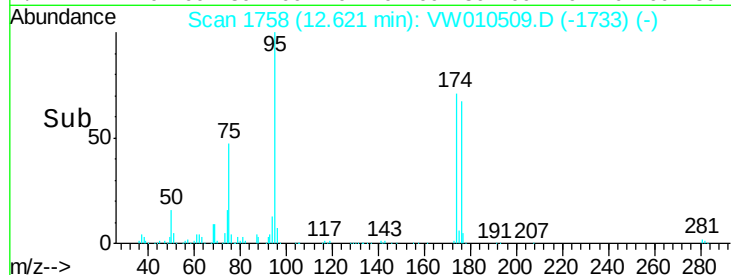
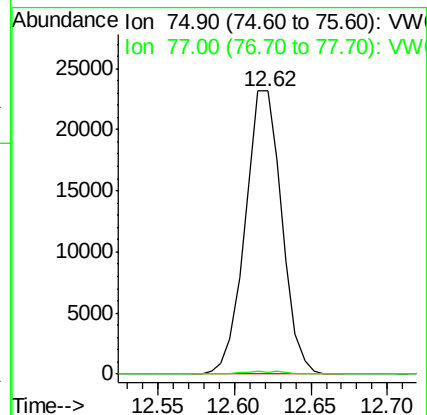
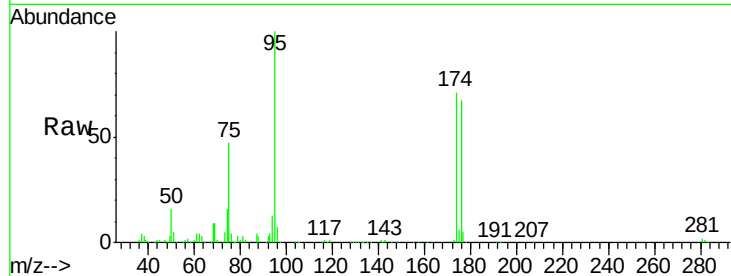
COMP-3

Tot Ion: 75 Resp: 38474

Ion Ratio Lower Upper

75 100

77 1.1 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.318 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010509.D

Acq: 22 May 2019 14:42

Tgt Ion: 75 Resp: 38474

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

