

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010709.D
 Acq On : 06 Jun 2019 14:54
 Operator : SY/VA
 Sample : K3211-05
 Misc : 6.43G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-5124

Quant Time: Jun 07 07:39:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	145907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	237293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	90757	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	7.88	113	65674	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.32	98	305050	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.62	95	104437	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	

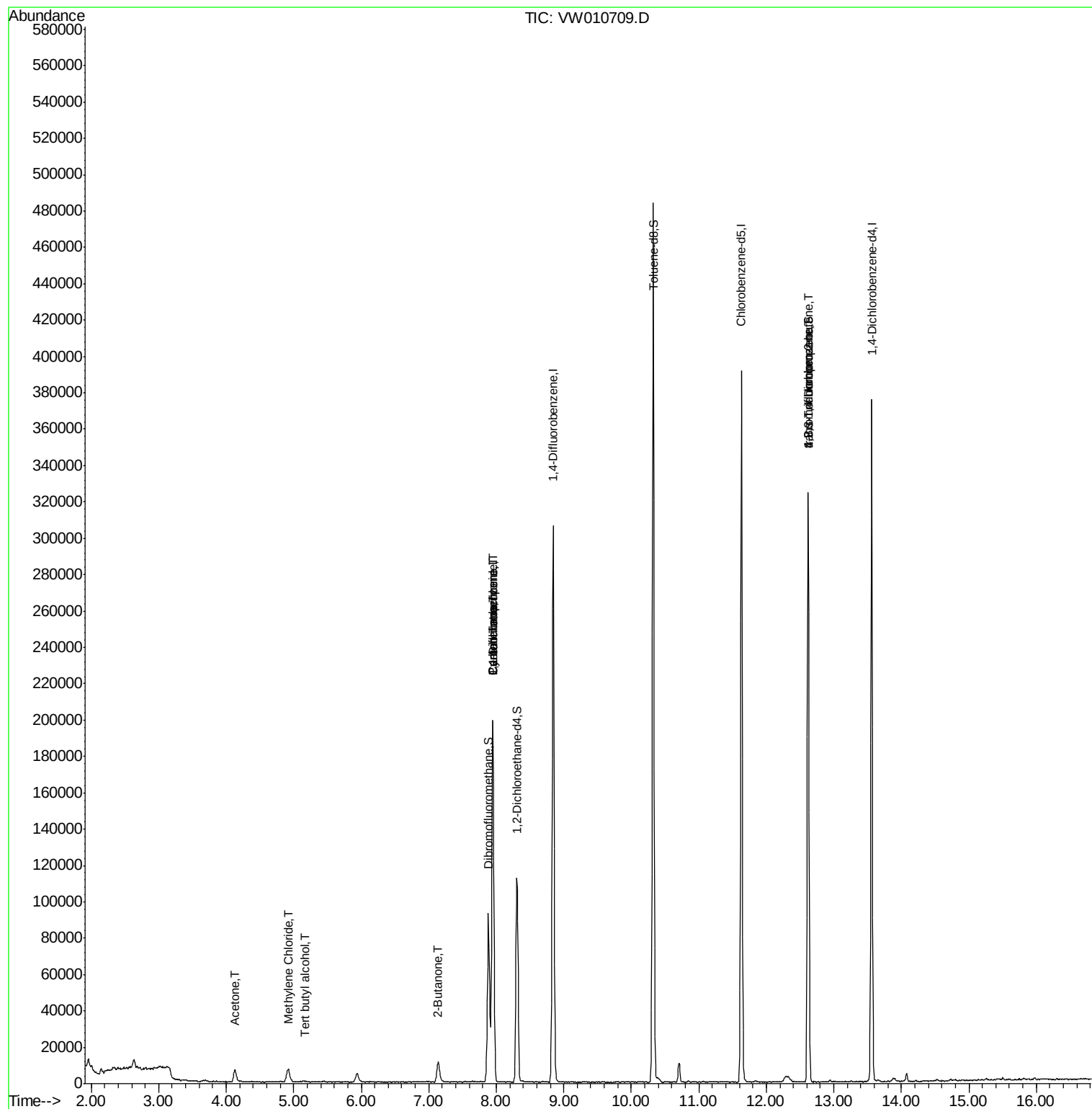
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	627	4.475	ug/l #	72
16) Acetone	4.13	43	12673	27.502	ug/l	95
20) Methylene Chloride	4.92	84	5218	3.228	ug/l #	80
25) 2-Butanone	7.14	43	1147	1.795	ug/l #	53
31) Cyclohexane	7.95	56	4150	1.196	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	13155	5.416	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14988	7.148	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	56706	61.018	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56706	140.238	ug/l #	5

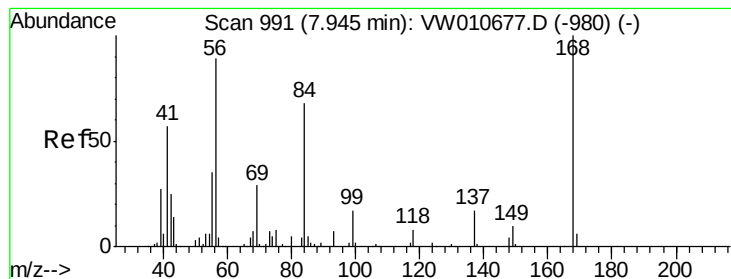
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

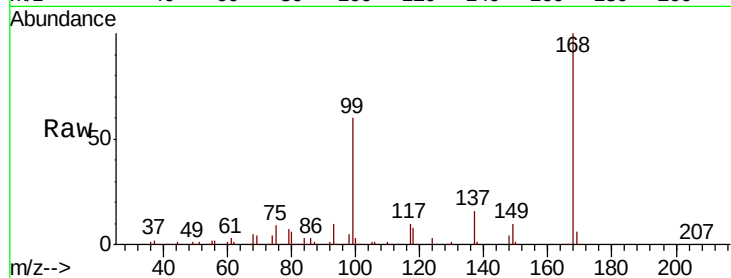
RT-5124

Tot Ion:168 Resp: 145907

Ion Ratio Lower Upper

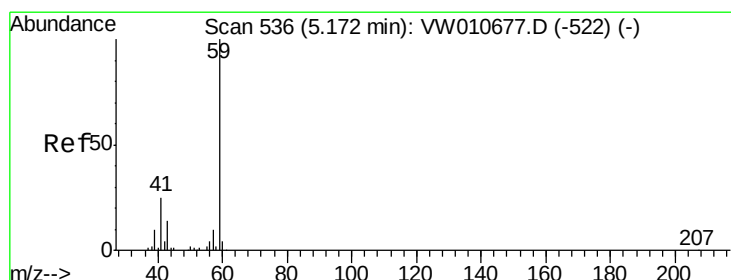
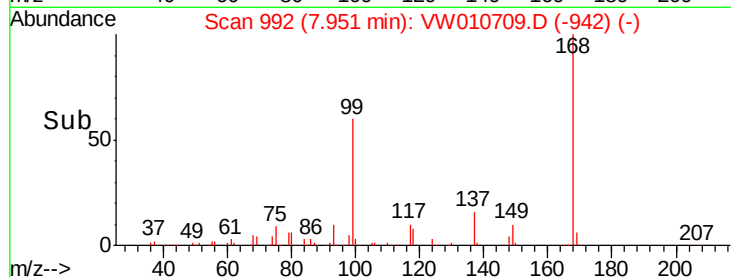
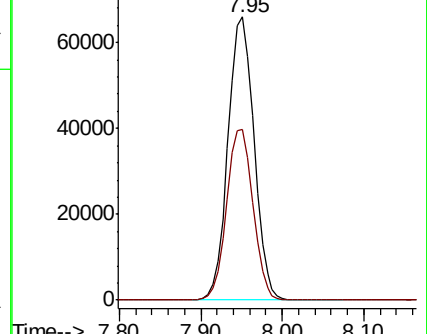
168 100

99 60.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.475 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW010709.D

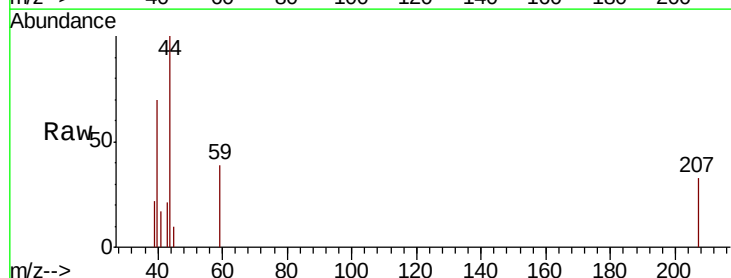
Acq: 06 Jun 2019 14:54

Tgt Ion: 59 Resp: 627

Ion Ratio Lower Upper

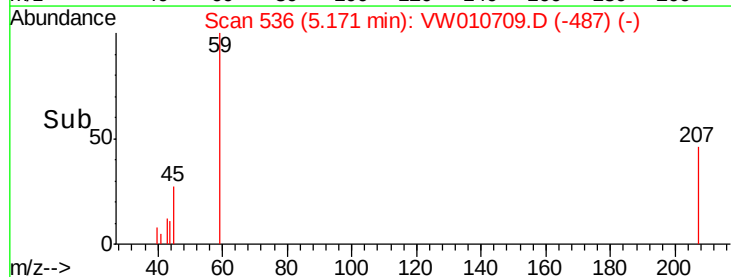
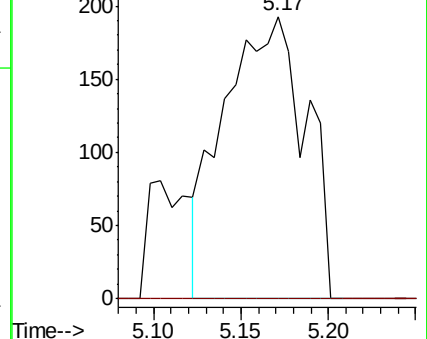
59 100

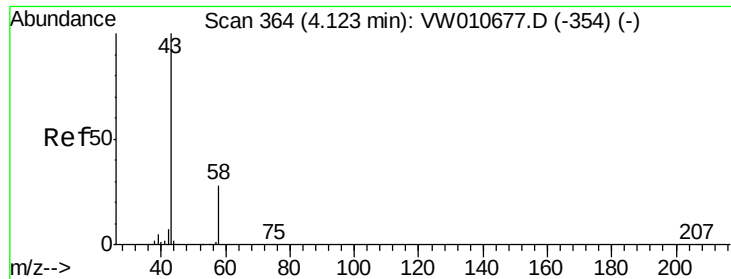
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 27.502 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

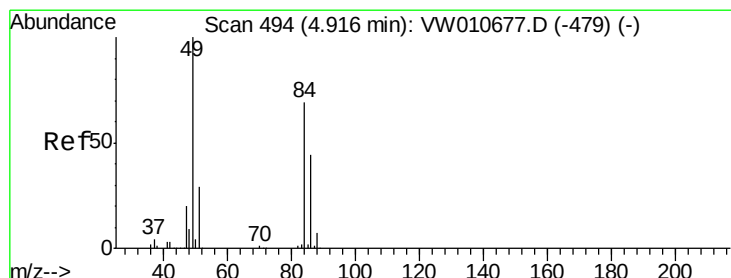
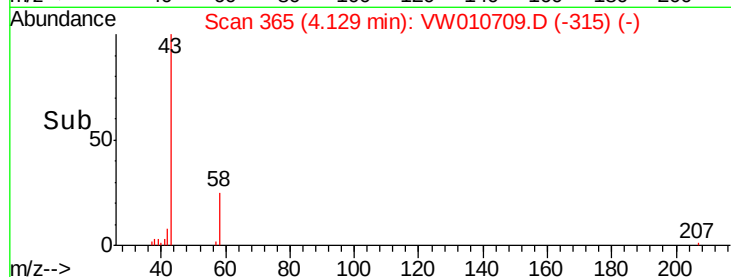
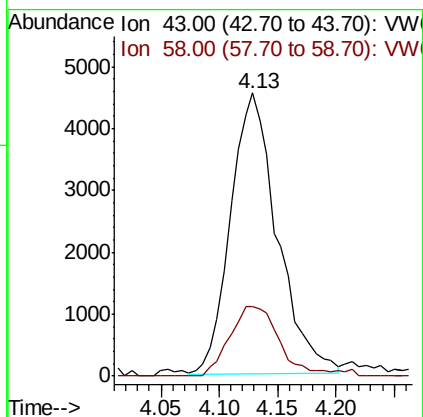
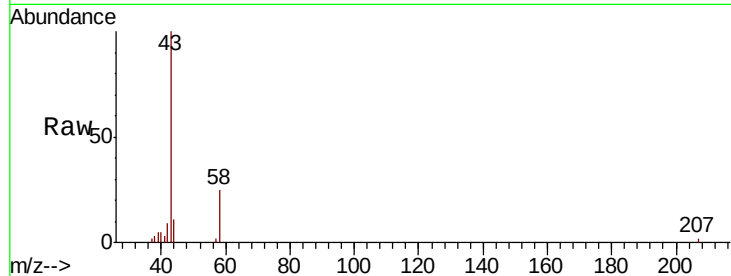
RT-5124

Tot Ion: 43 Resp: 12673

Ion Ratio Lower Upper

43 100

58 25.1 22.1 33.1



#20

Methylene Chloride

Concen: 3.228 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Tgt Ion: 84 Resp: 5218

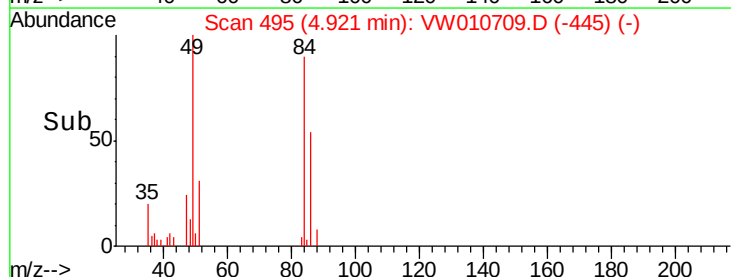
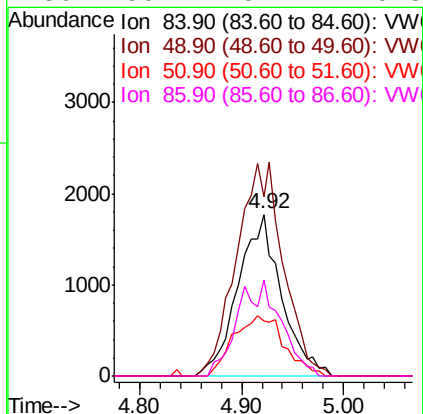
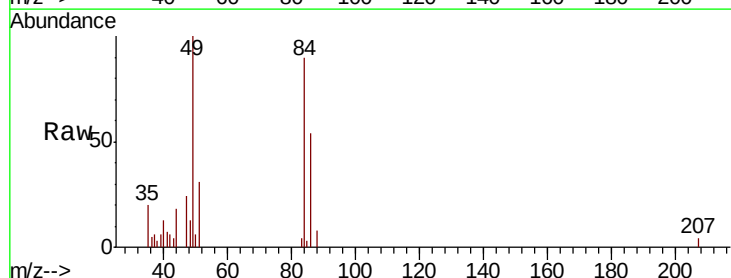
Ion Ratio Lower Upper

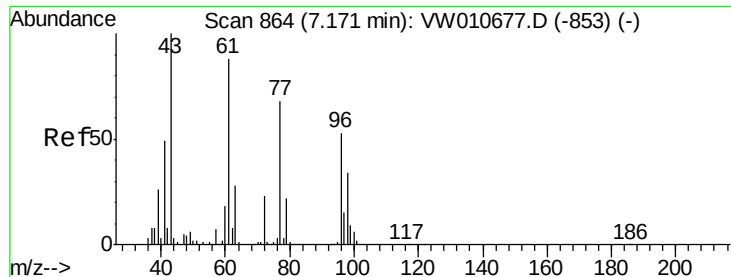
84 100

49 110.6 116.7 175.1#

51 34.3 34.2 51.2

86 59.4 51.2 76.8





#25

2-Butanone

Concen: 1.795 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

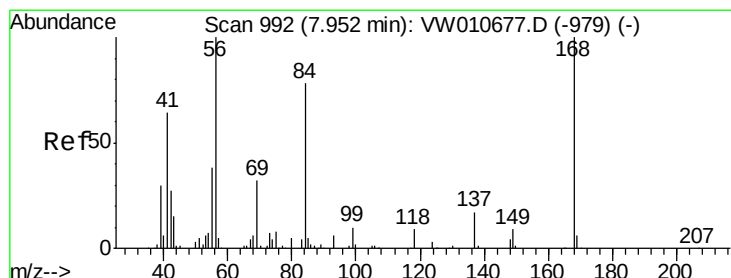
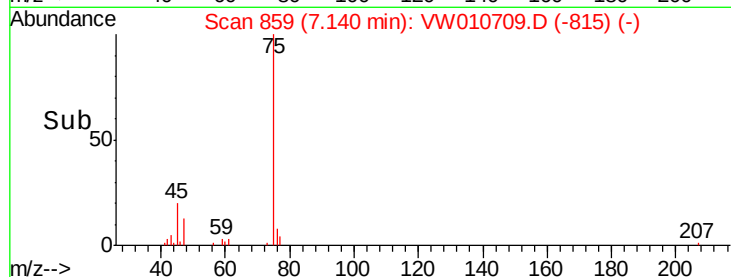
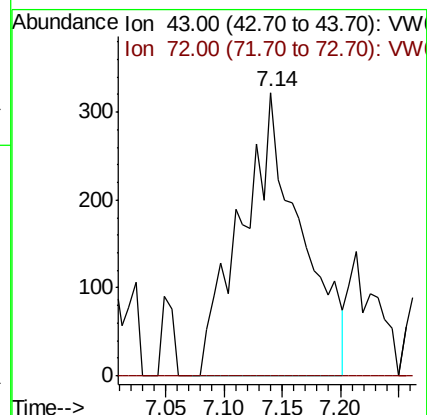
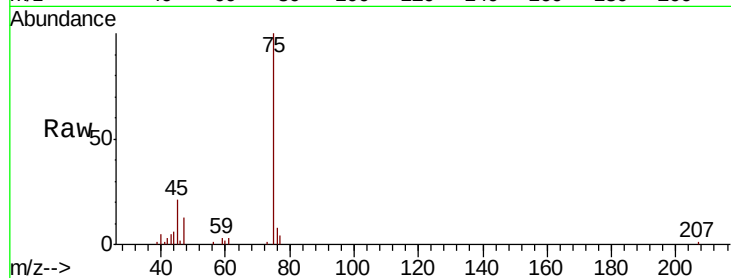
RT-5124

Tot Ion: 43 Resp: 1147

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

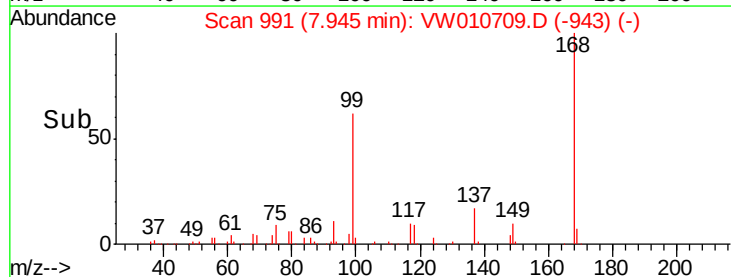
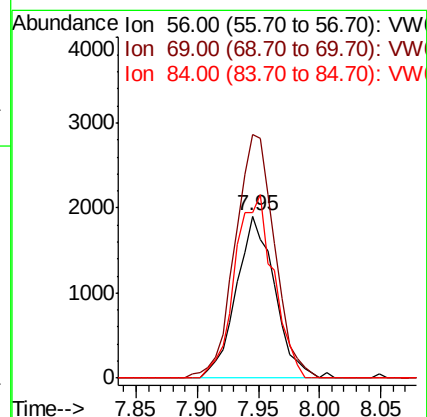
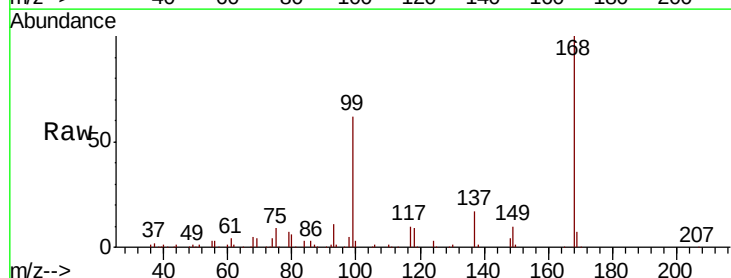
Tgt Ion: 56 Resp: 4150

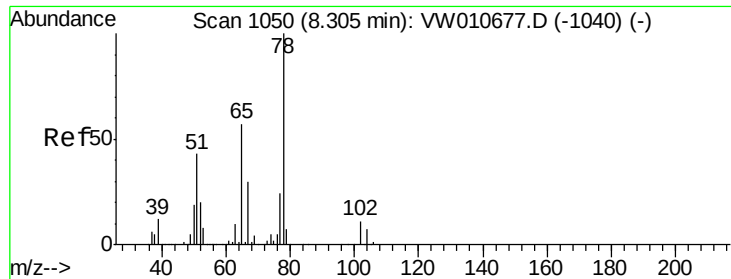
Ion Ratio Lower Upper

56 100

69 150.4 25.2 37.8#

84 102.4 62.2 93.2#





#33

1,2-Dichloroethane-d4

Concen: 52.773 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

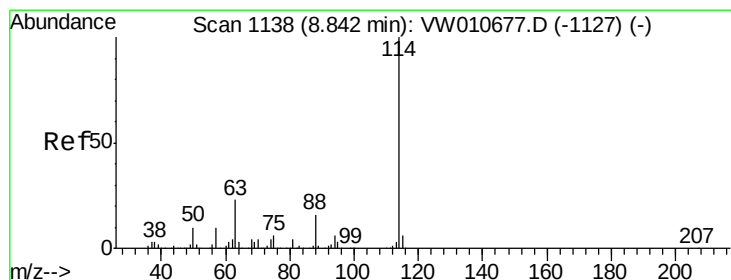
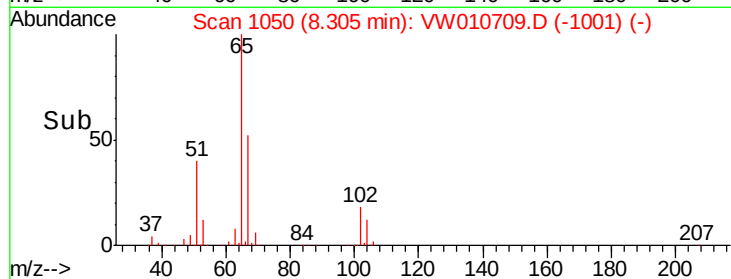
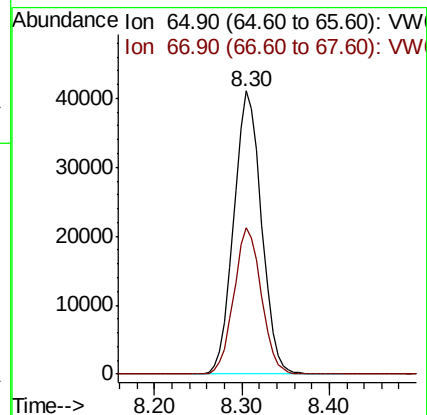
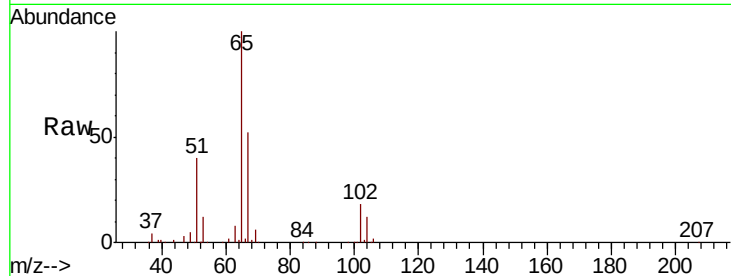
RT-5124

Tot Ion: 65 Resp: 90757

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

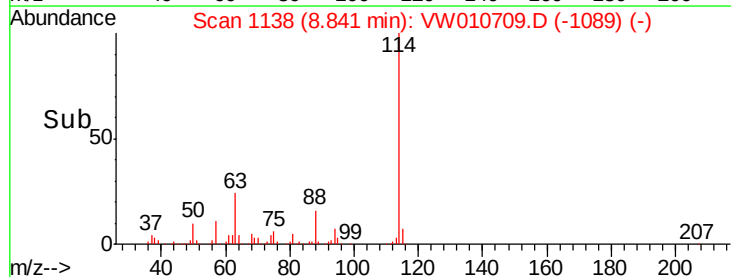
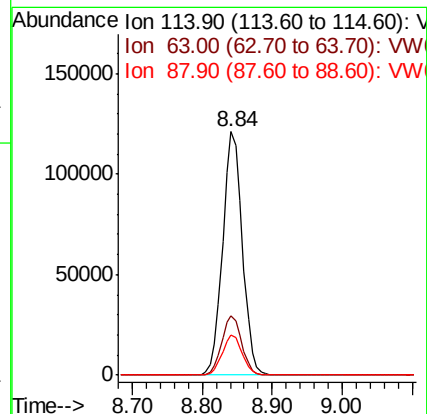
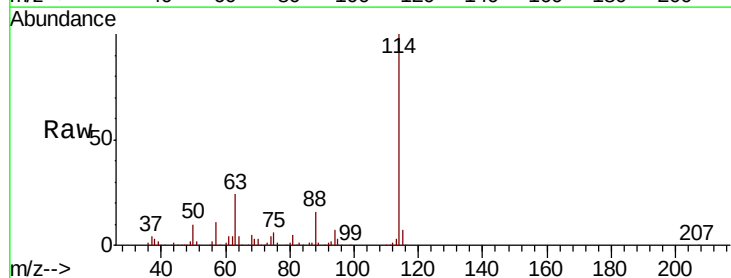
Tgt Ion: 114 Resp: 237293

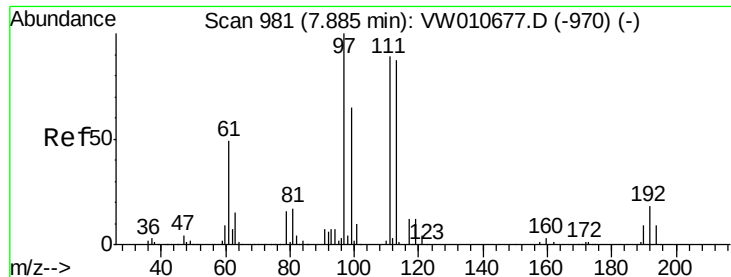
Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.4

88 16.2 0.0 32.2

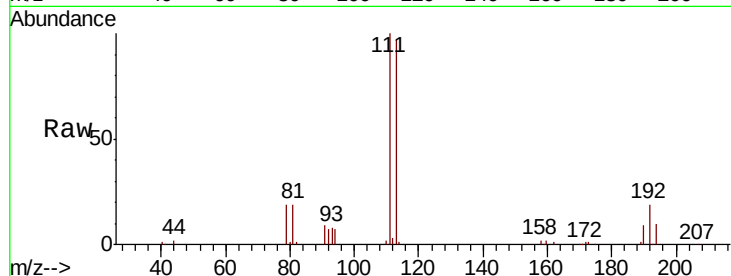




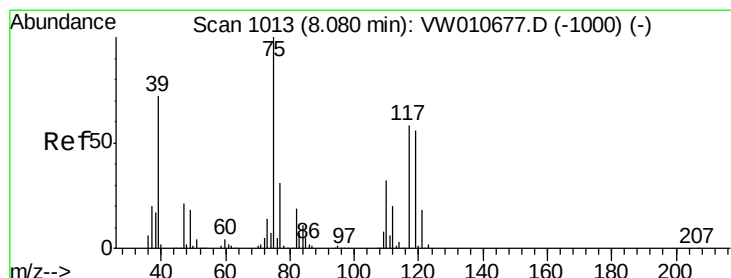
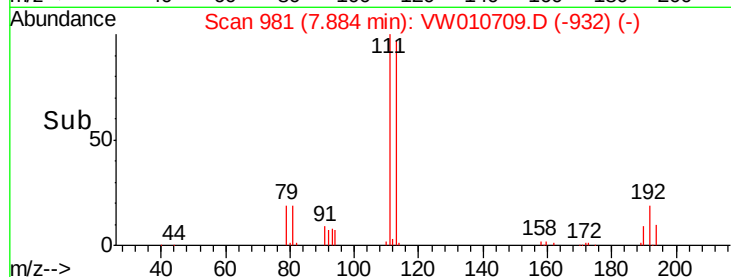
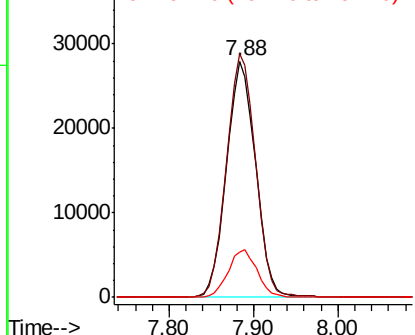
#35
 Dibromofluoromethane
 Concen: 50.990 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010709.D
 Acq: 06 Jun 2019 14:54

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-5124

Tot Ion:113 Resp: 65674
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 123.8
 192 19.9 16.4 24.6

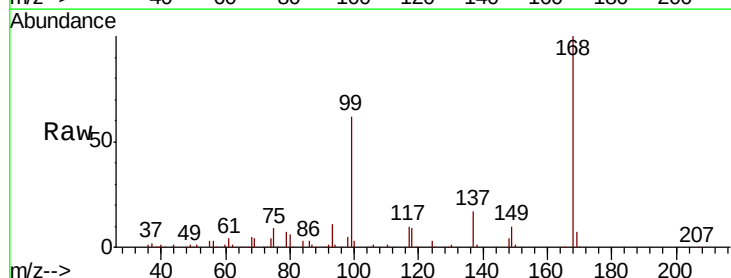


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

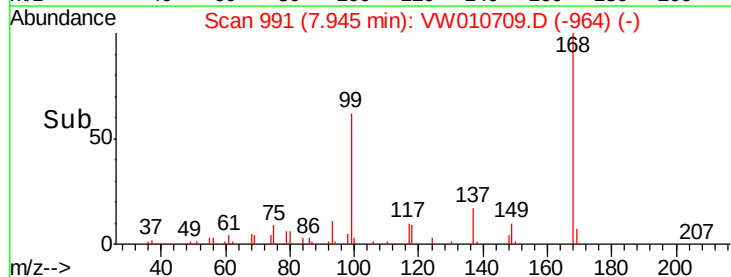
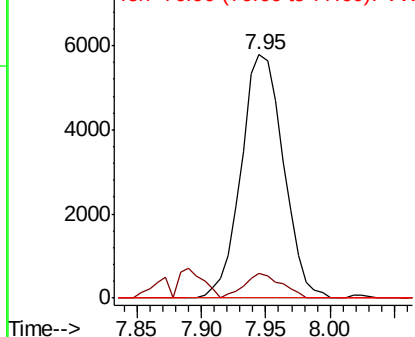


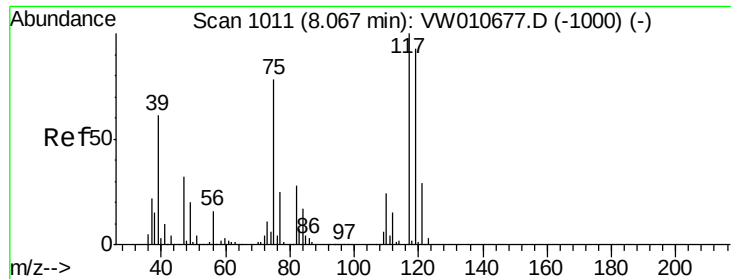
#36
 1,1-Dichloropropene
 Concen: 5.416 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010709.D
 Acq: 06 Jun 2019 14:54

Tgt Ion: 75 Resp: 13155
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.8 47.3#
 77 0.0 24.7 37.1#



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: 7.148 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampled :

RT-5124

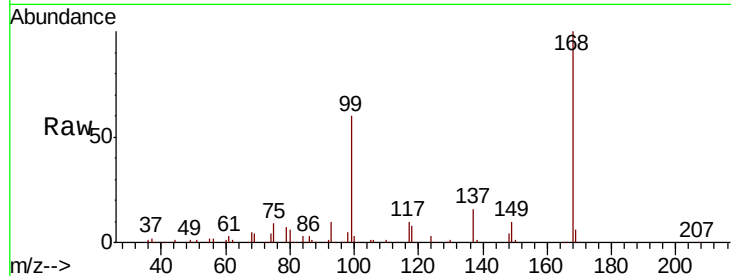
Tot Ion:117 Resp: 14988

Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.4#

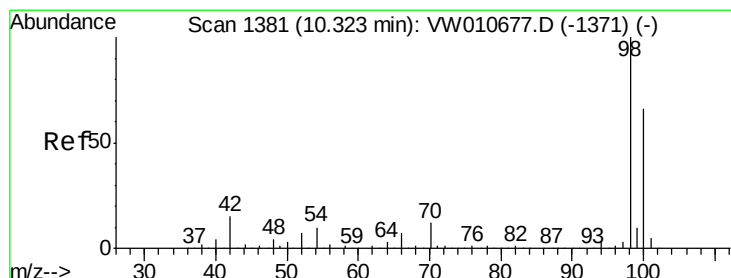
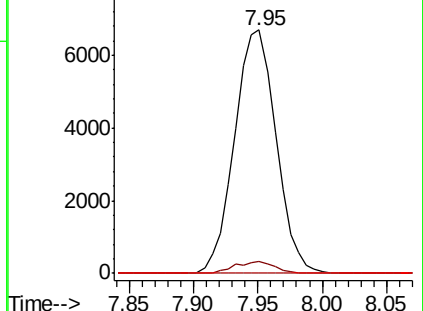
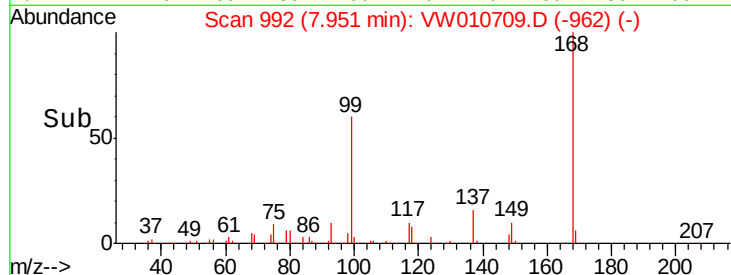
121 0.0 22.9 34.3#



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: 54.011 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010709.D

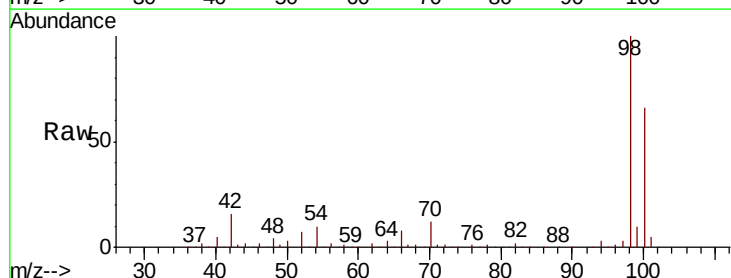
Acq: 06 Jun 2019 14:54

Tgt Ion: 98 Resp: 305050

Ion Ratio Lower Upper

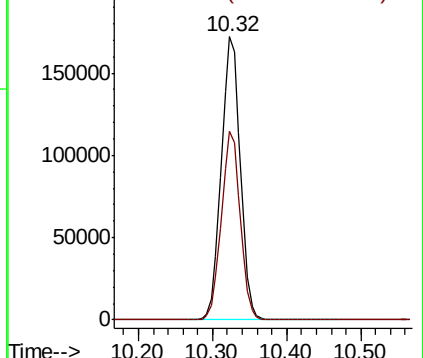
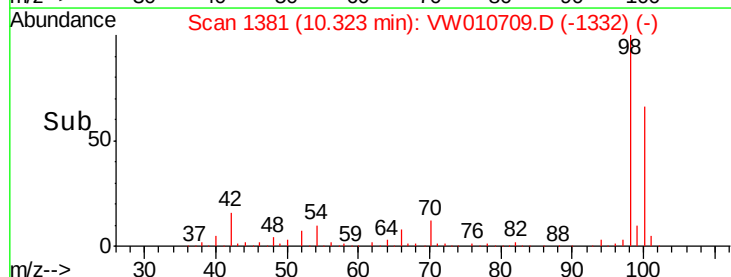
98 100

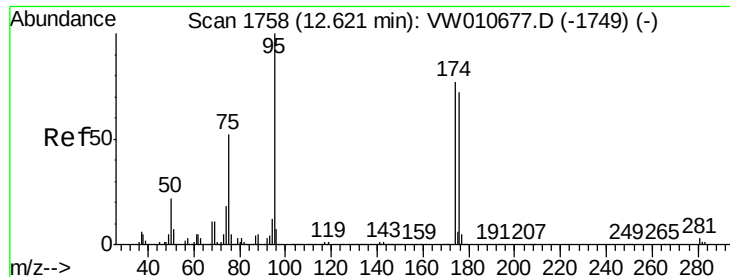
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

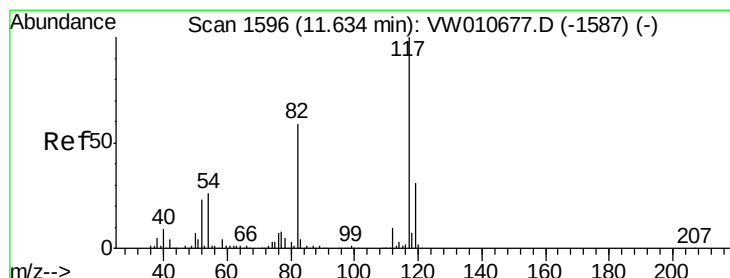
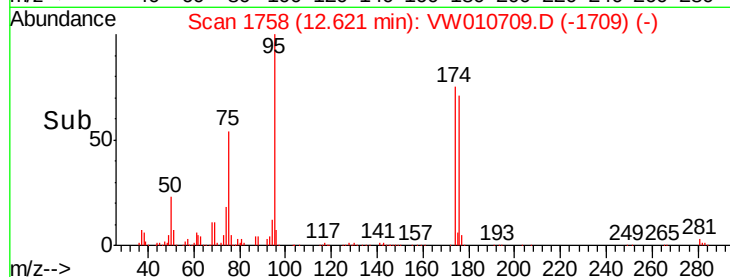
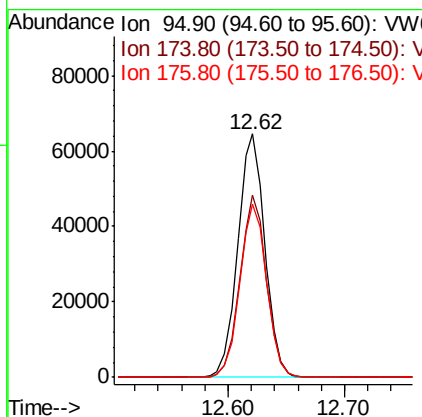
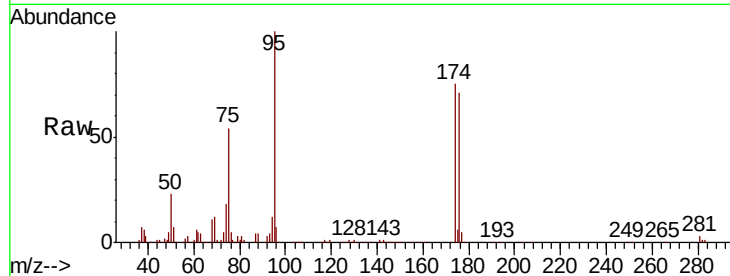




#62
4-Bromofluorobenzene
Concen: 50.816 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010709.D
Acq: 06 Jun 2019 14:54

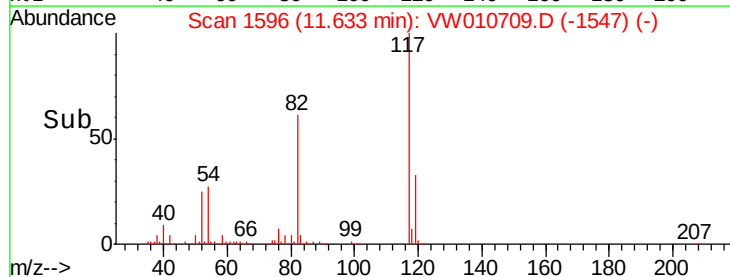
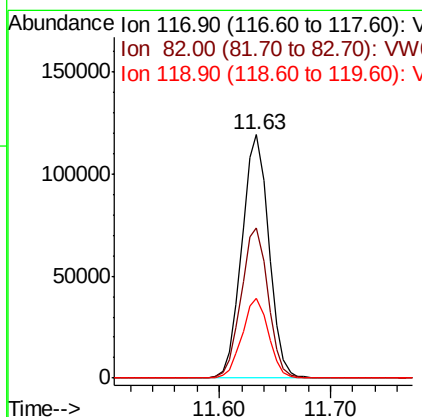
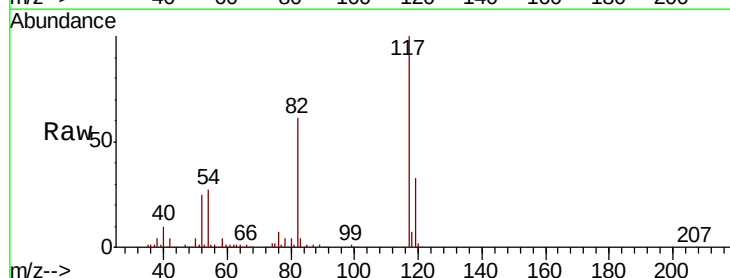
Instrument :
MSVOA_W
ClientSampleId :
RT-5124

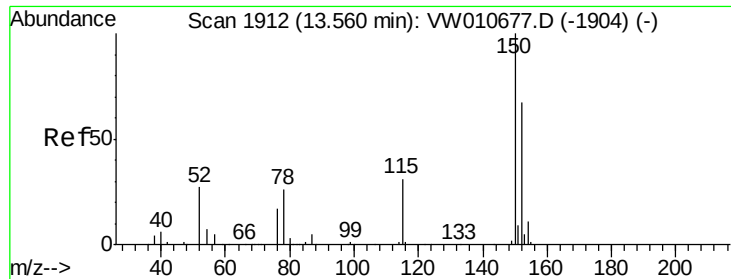
Tot Ion: 95 Resp: 104437
Ion Ratio Lower Upper
95 100
174 73.5 0.0 150.4
176 70.7 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010709.D
Acq: 06 Jun 2019 14:54

Tgt Ion: 117 Resp: 201005
Ion Ratio Lower Upper
117 100
82 61.5 47.0 70.4
119 32.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

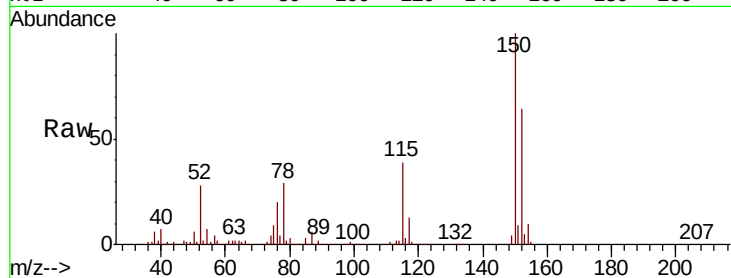
Tot Ion:152 Resp: 88497

Ion Ratio Lower Upper

152 100

115 61.5 29.8 89.3

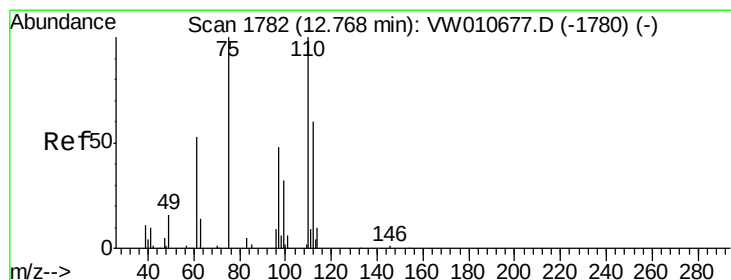
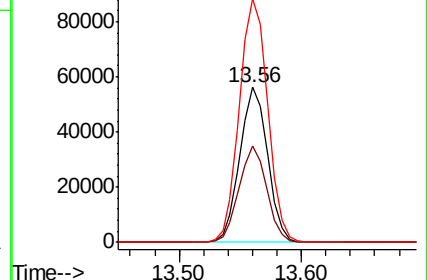
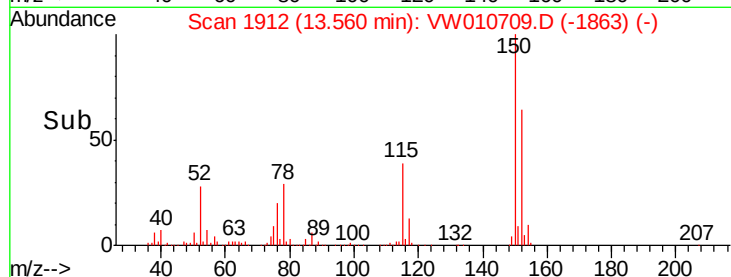
150 159.2 0.0 345.0



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: 61.018 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010709.D

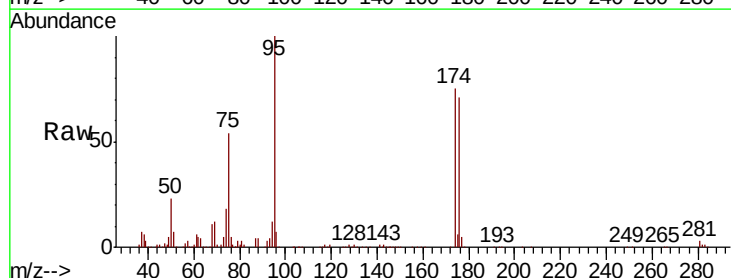
Acq: 06 Jun 2019 14:54

Tgt Ion: 75 Resp: 56706

Ion Ratio Lower Upper

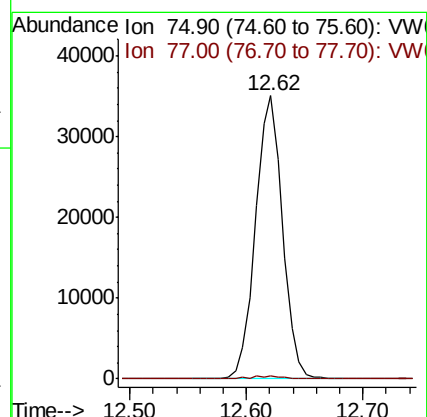
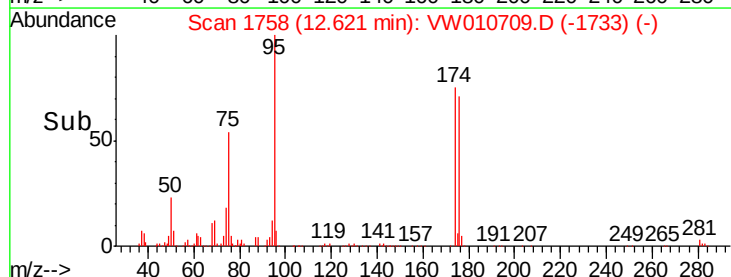
75 100

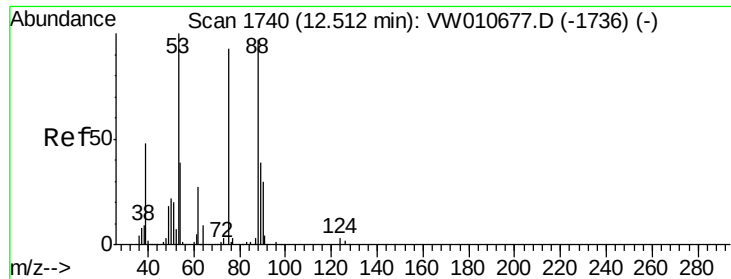
77 1.2 0.0 0.0#



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: 140.238 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010709.D

Acq: 06 Jun 2019 14:54

Instrument :

MSVOA_W

ClientSampleId :

RT-5124

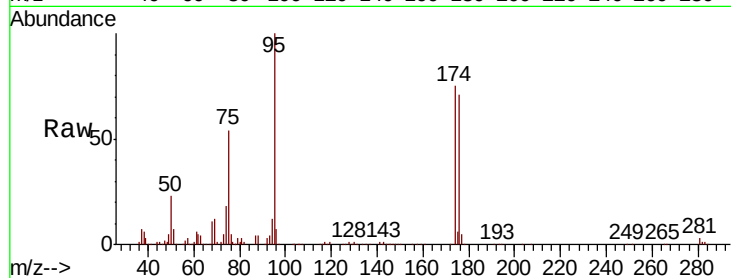
Tot Ion: 75 Resp: 56706

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#



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

