

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009164.D
 Acq On : 13 Mar 2019 19:09
 Operator : SY/VA
 Sample : K1897-01RE
 Misc : 4.64G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:23:29 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	303758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174133	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	179464	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	7.88	113	145536	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.32	98	586105	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.62	95	181380	38.17	ug/l	0.00
Spiked Amount			Recovery	=	76.34%	

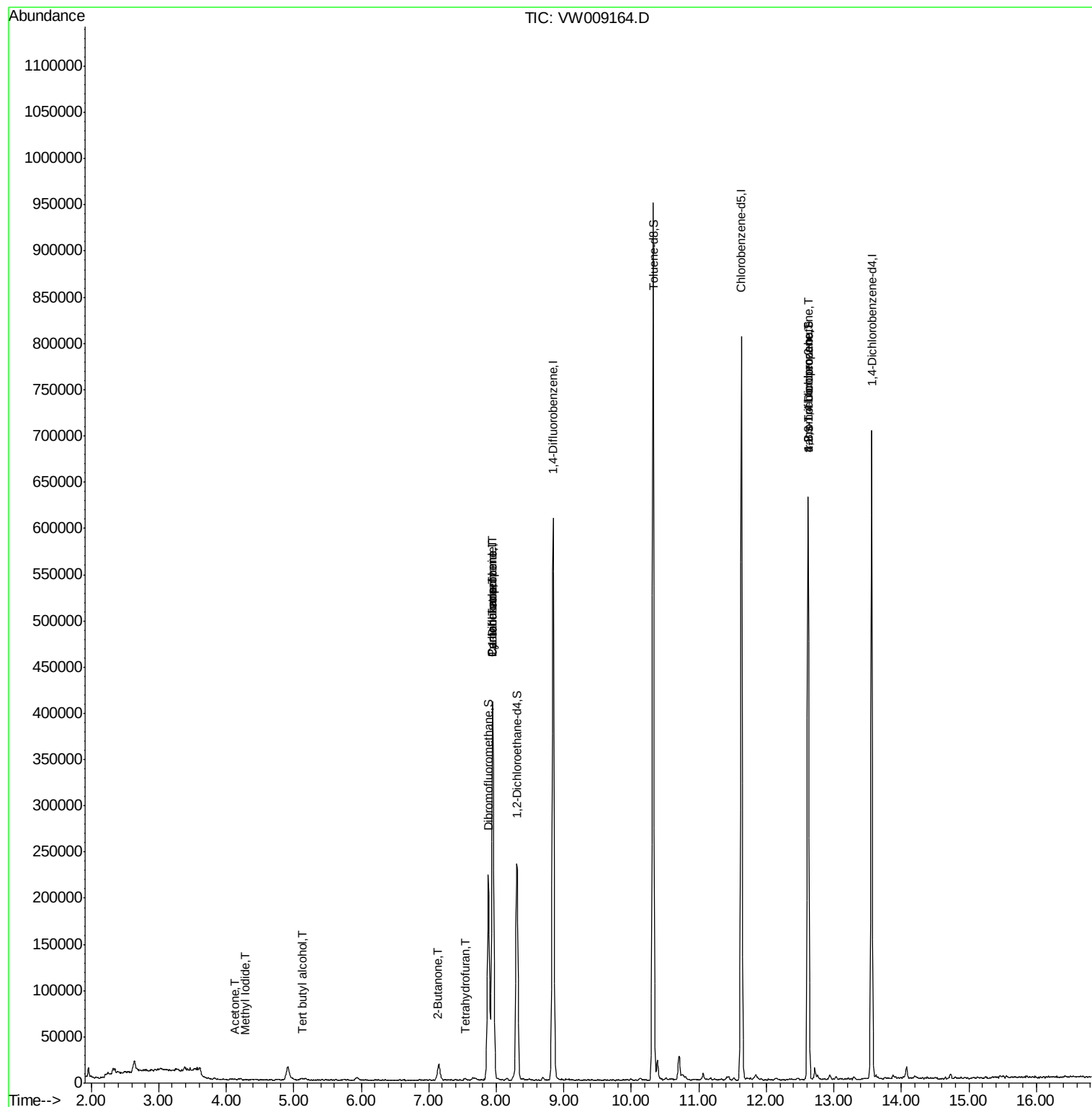
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	52	3.202	ug/l #	40
11) Tert butyl alcohol	5.13	59	1543	6.589	ug/l #	81
16) Acetone	4.12	43	1694	2.456	ug/l #	88
20) Methylene Chloride	4.91	84	9927	Below Cal	#	81
25) 2-Butanone	7.14	43	1240	1.301	ug/l #	50
29) Tetrahydrofuran	7.53	42	1964	3.270	ug/l #	84
31) Cyclohexane	7.94	56	7825	1.373	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	23638	4.631	ug/l #	50
38) Carbon Tetrachloride	7.95	117	30333	5.755	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	99614	72.405	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	99614	161.950	ug/l #	5

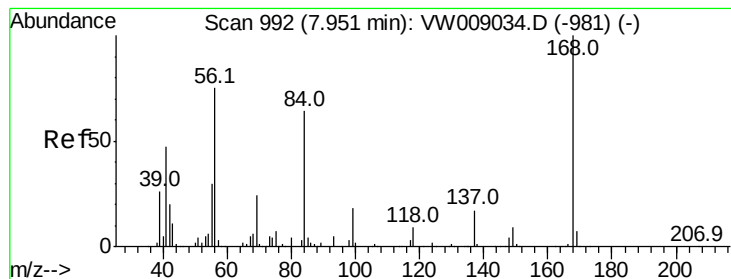
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

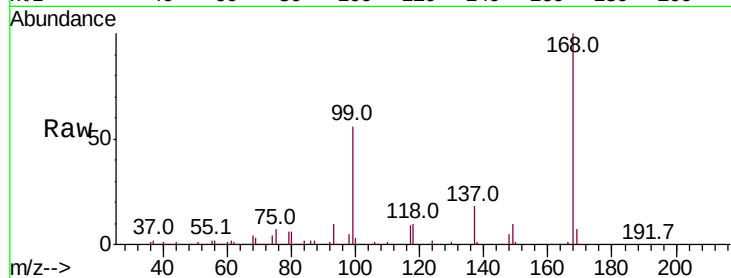
ClientSampleId :

Tot Ion:168 Resp: 303758

Ion Ratio Lower Upper

168 100

99 56.3 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

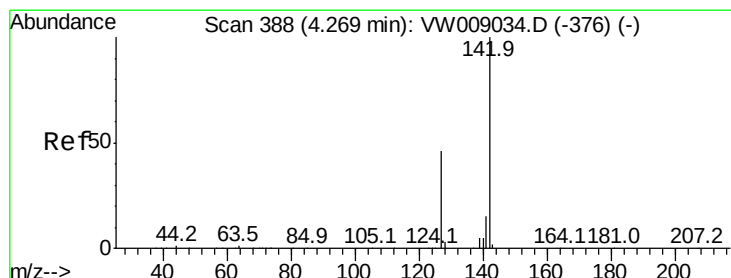
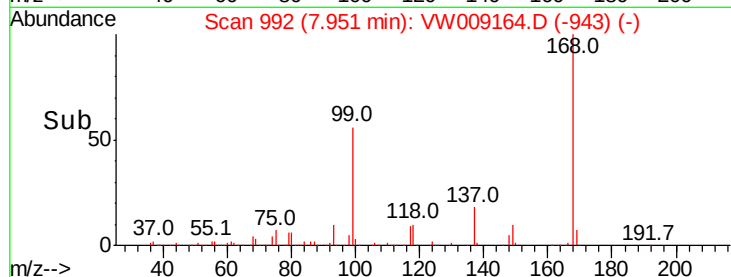
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.202 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

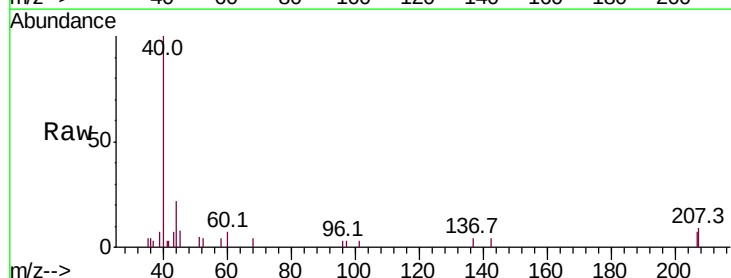
Tgt Ion:142 Resp: 52

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

4.28

100

80

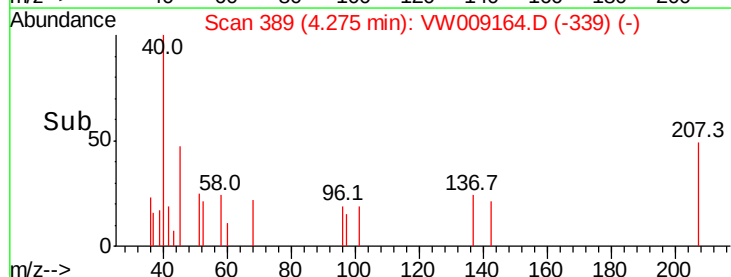
60

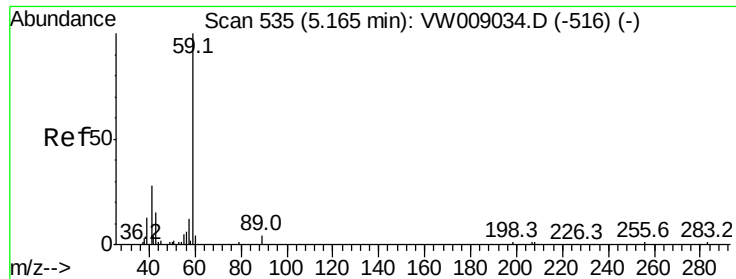
40

20

0

Time--> 4.26 4.28 4.30

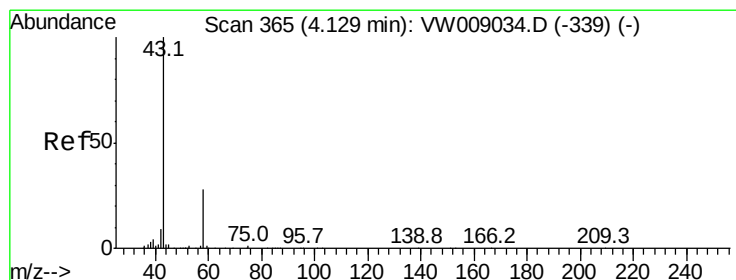
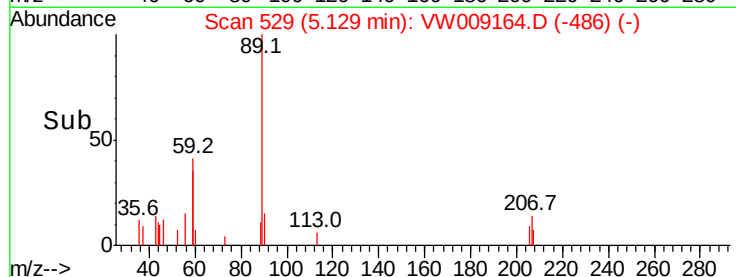
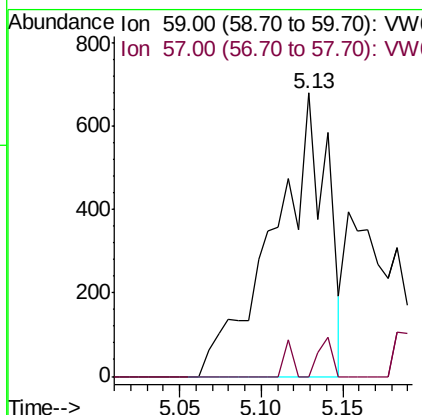
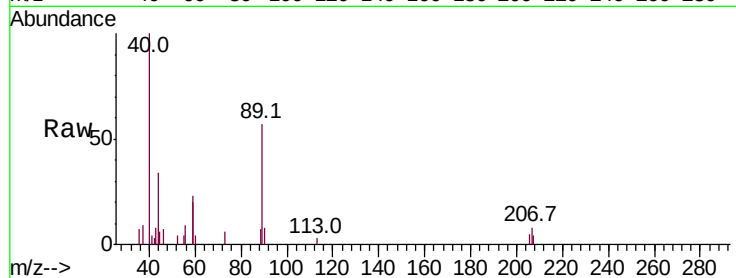




#11
Tert butyl alcohol
Concen: 6.589 ug/l
RT: 5.13 min Scan# 529
Delta R.T. -0.04 min
Lab File: VW009164.D
Acq: 13 Mar 2019 19:09

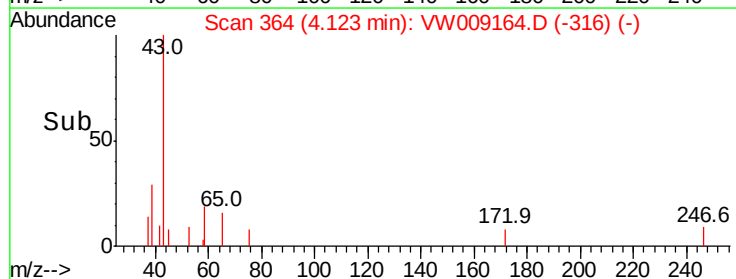
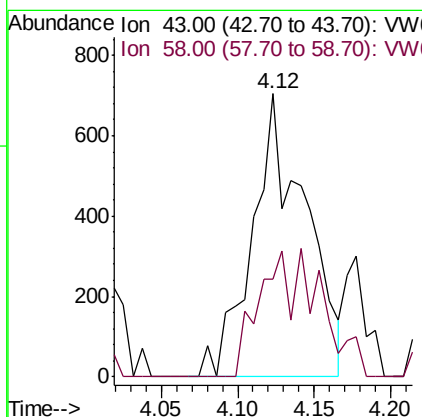
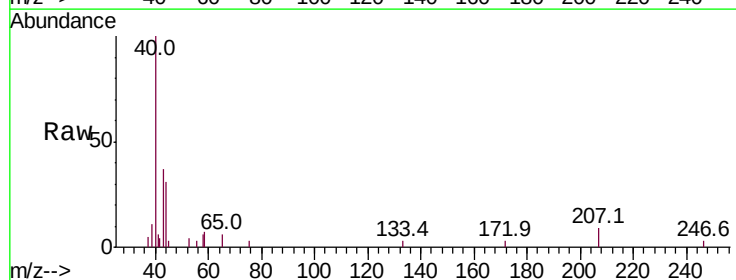
Instrument :
MSVOA_W
ClientSampleId :

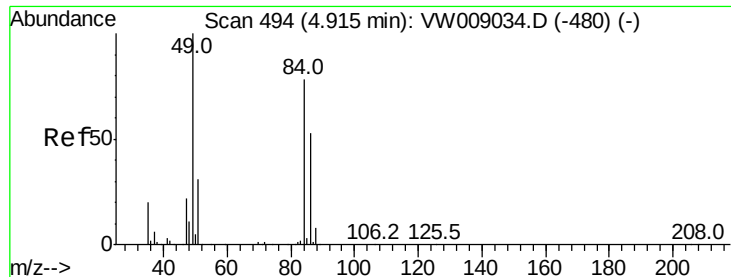
Tot Ion: 59 Resp: 1543
Ion Ratio Lower Upper
59 100
57 3.6 8.6 12.8#



#16
Acetone
Concen: 2.456 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW009164.D
Acq: 13 Mar 2019 19:09

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 34.4 22.5 33.7#

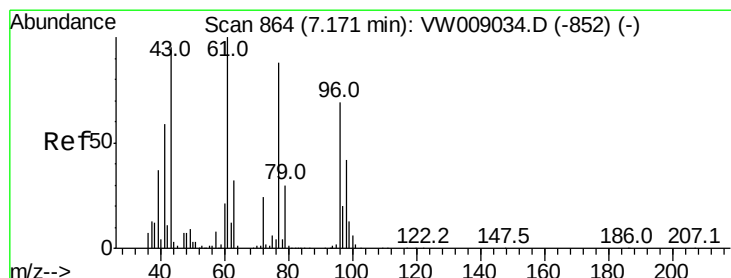
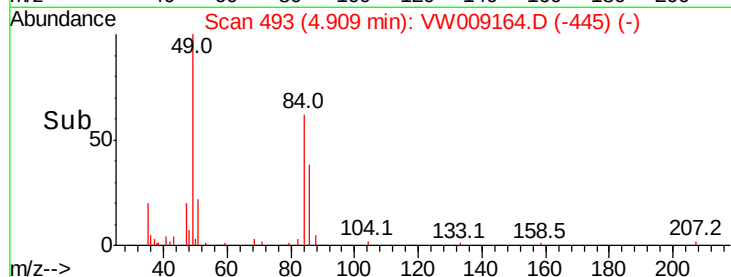
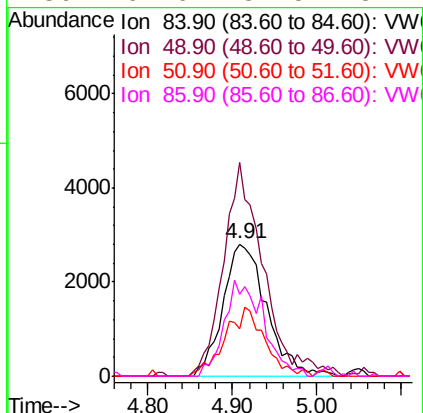
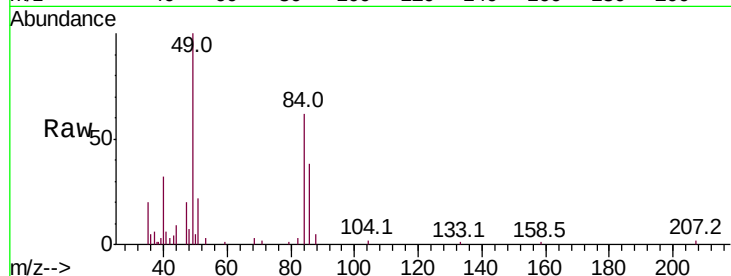




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009164.D
Acq: 13 Mar 2019 19:09

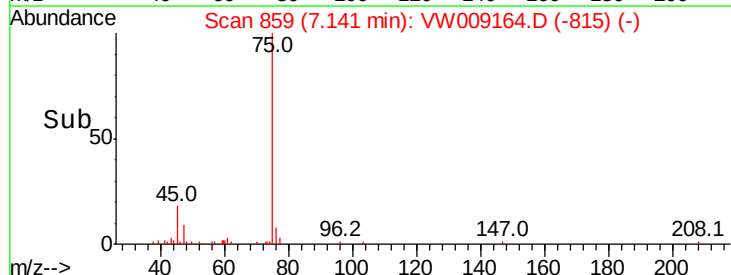
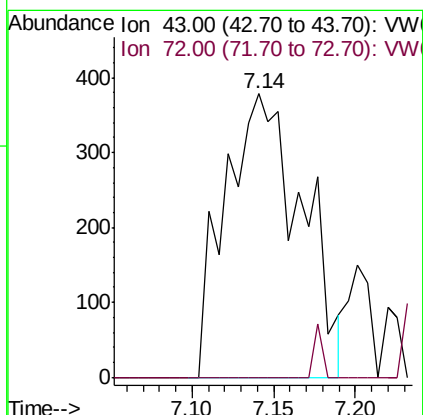
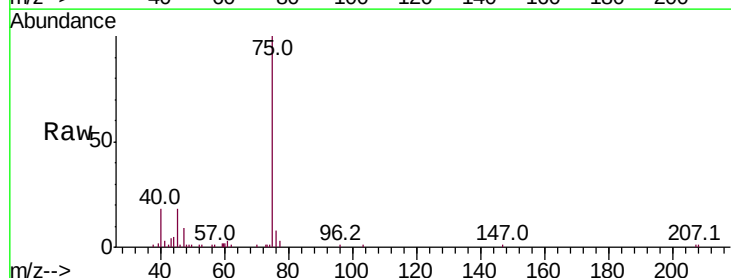
Instrument :
MSVOA_W
ClientSampleId :

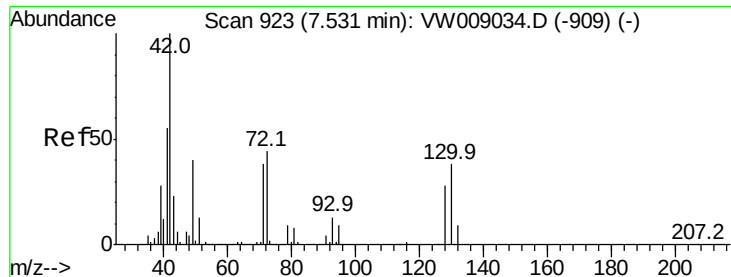
Tot Ion: 84 Resp: 9927
Ion Ratio Lower Upper
84 100
49 161.6 102.4 153.6#
51 35.5 31.6 47.4
86 61.6 54.5 81.7



#25
2-Butanone
Concen: 1.301 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW009164.D
Acq: 13 Mar 2019 19:09

Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#





#29

Tetrahydrofuran

Concen: 3.270 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

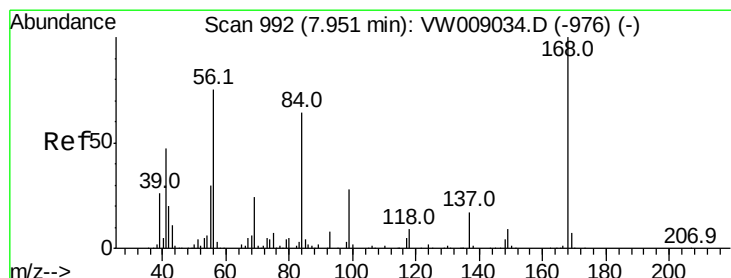
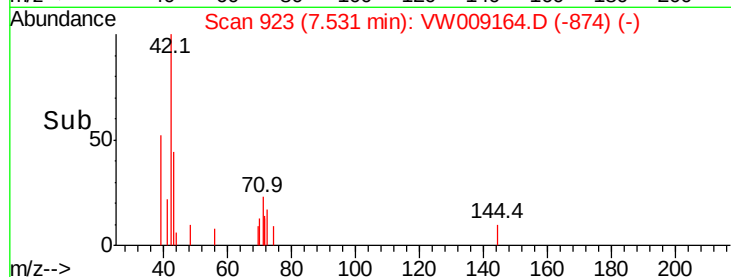
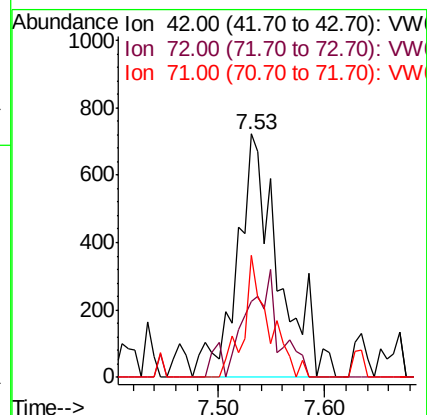
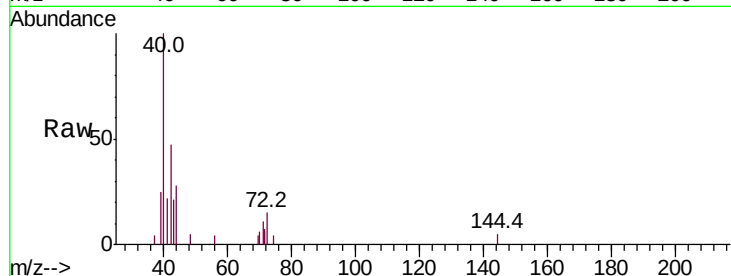
Tot Ion: 42 Resp: 1964

Ion Ratio Lower Upper

42 100

72 28.8 32.2 48.4#

71 30.9 30.7 46.1



#31

Cyclohexane

Concen: 1.373 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

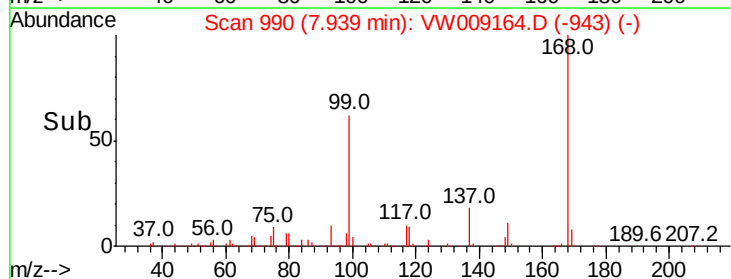
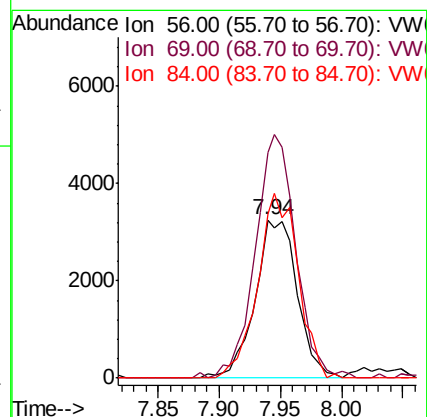
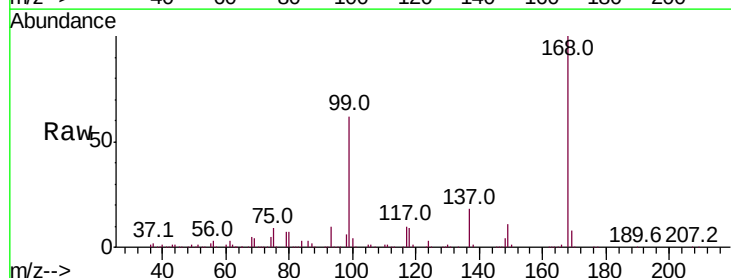
Tgt Ion: 56 Resp: 7825

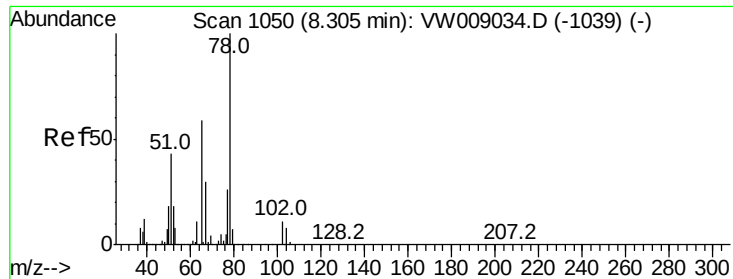
Ion Ratio Lower Upper

56 100

69 142.7 25.5 38.3#

84 104.1 68.6 103.0#

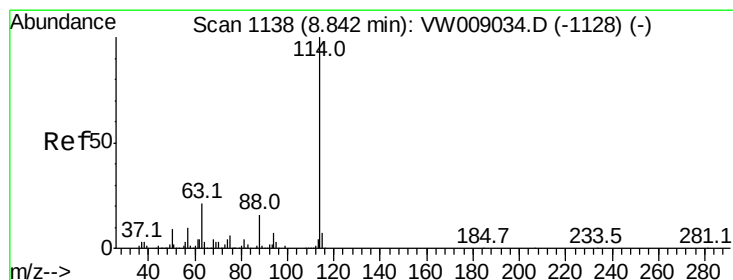
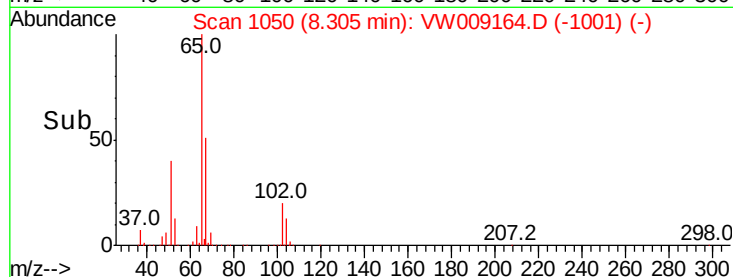
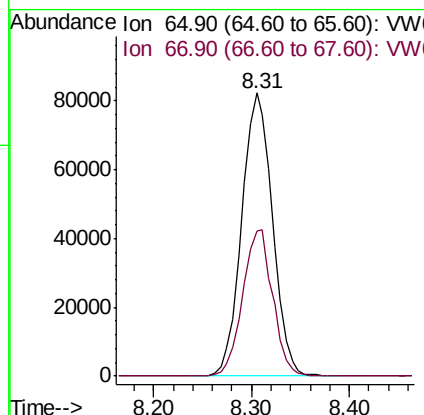
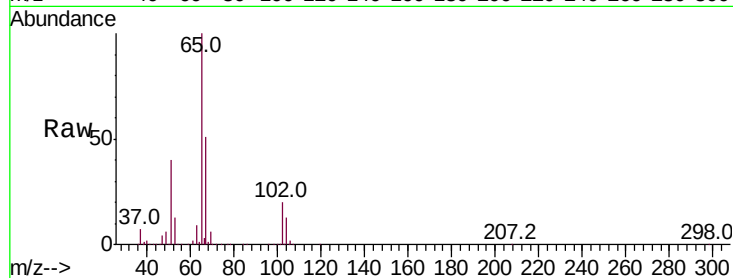




#33
 1,2-Dichloroethane-d4
 Concen: 58.723 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009164.D
 Acq: 13 Mar 2019 19:09

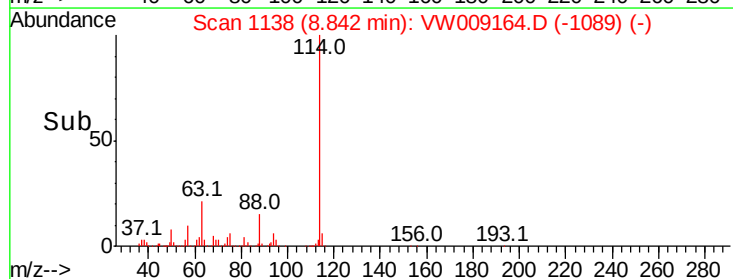
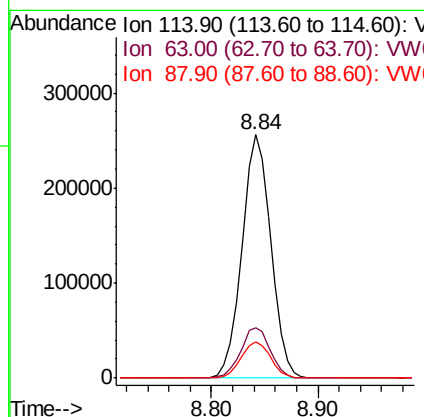
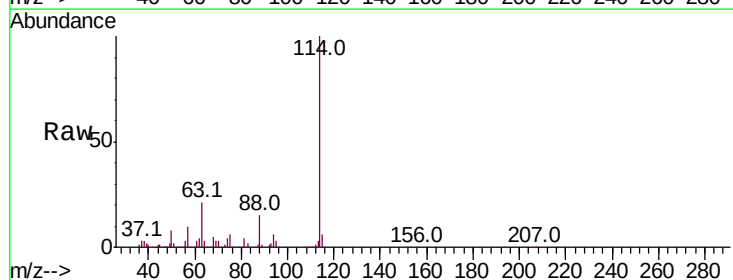
Instrument :
 MSVOA_W
 ClientSampleId :

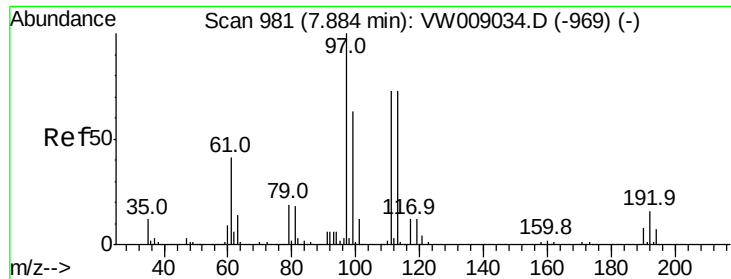
Tot Ion: 65 Resp: 179464
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009164.D
 Acq: 13 Mar 2019 19:09

Tgt Ion: 114 Resp: 488126
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.520 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

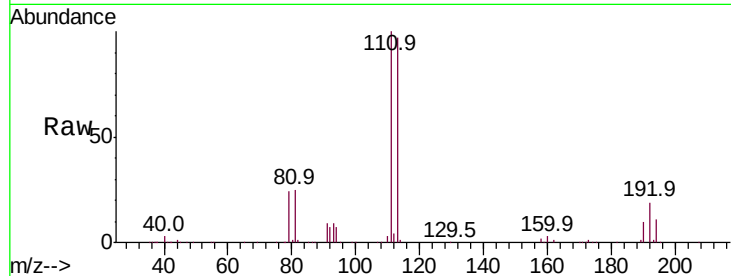
Tot Ion:113 Resp: 145536

Ion Ratio Lower Upper

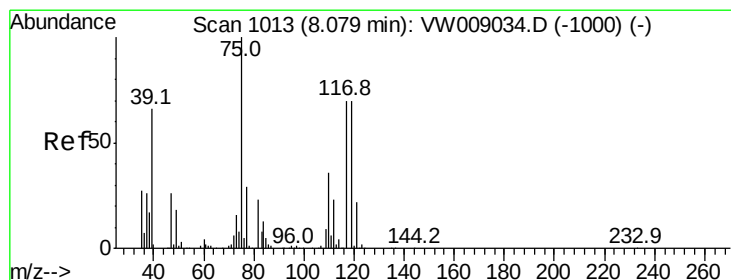
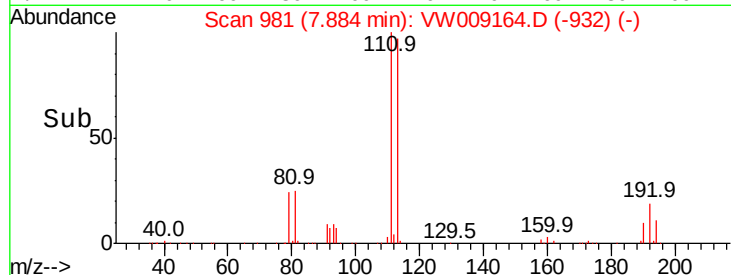
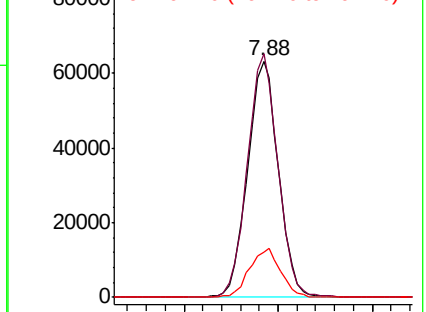
113 100

111 101.9 81.0 121.4

192 20.8 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: 4.631 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

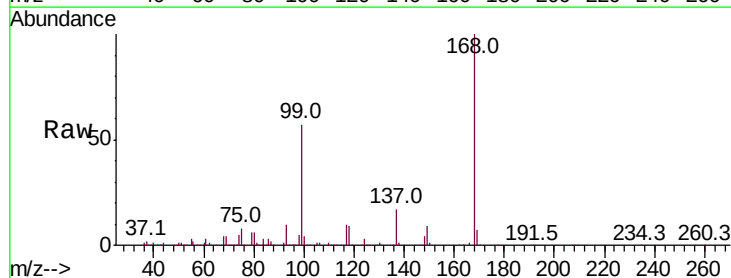
Tgt Ion: 75 Resp: 23638

Ion Ratio Lower Upper

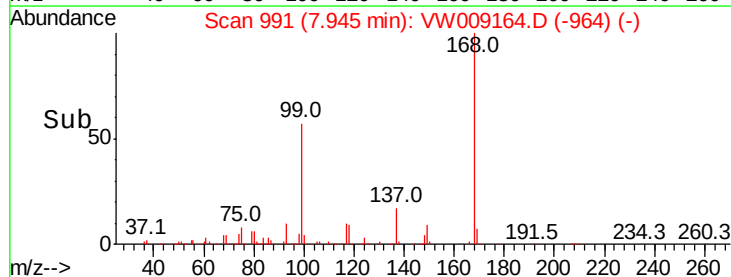
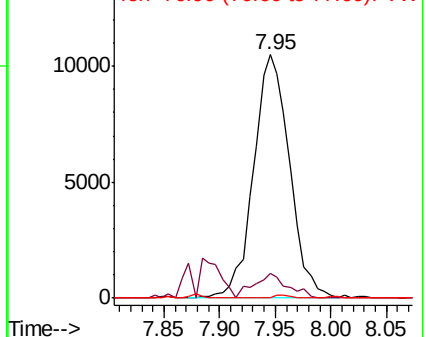
75 100

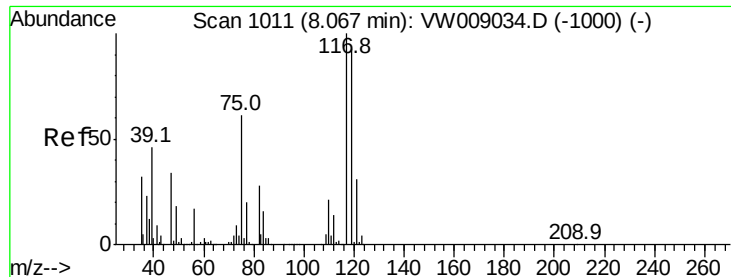
110 9.5 17.6 52.9#

77 0.5 25.1 37.7#



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: 5.755 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

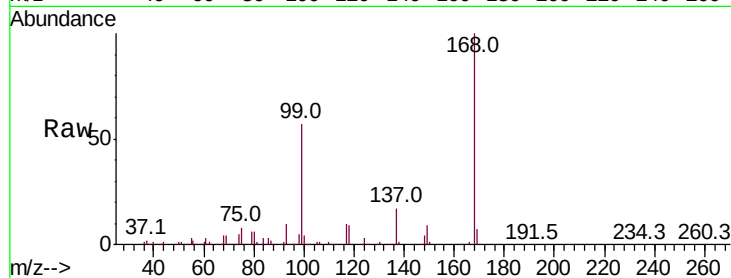
Tot Ion:117 Resp: 30333

Ion Ratio Lower Upper

117 100

119 4.8 74.6 112.0#

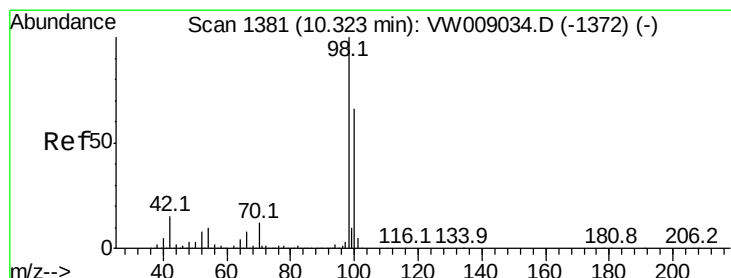
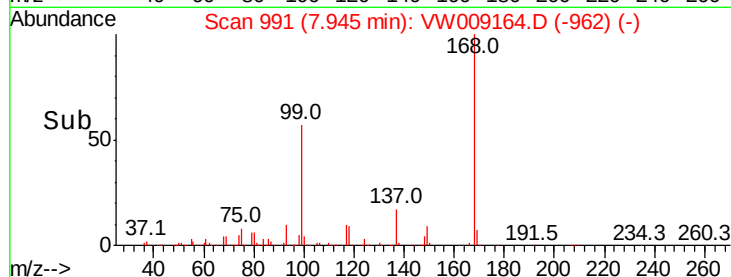
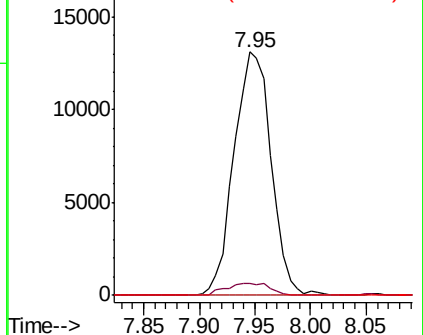
121 0.0 24.7 37.1#



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: 48.556 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009164.D

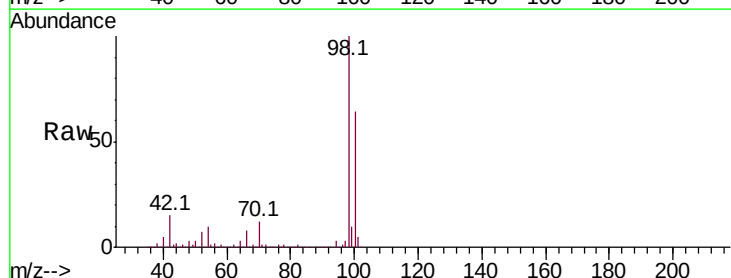
Acq: 13 Mar 2019 19:09

Tgt Ion: 98 Resp: 586105

Ion Ratio Lower Upper

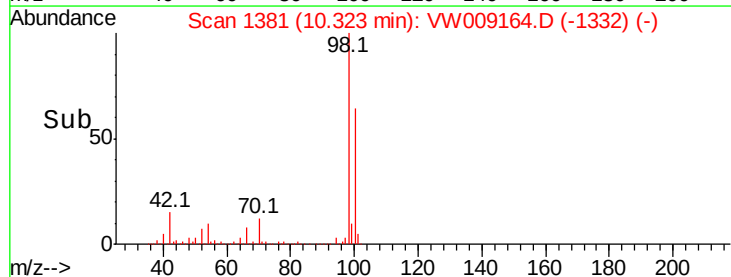
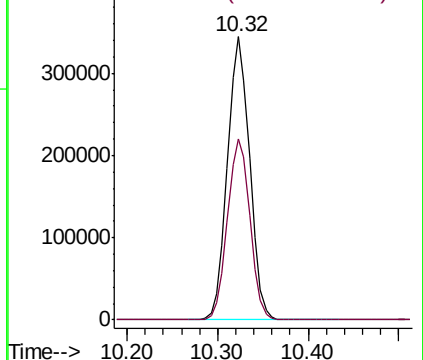
98 100

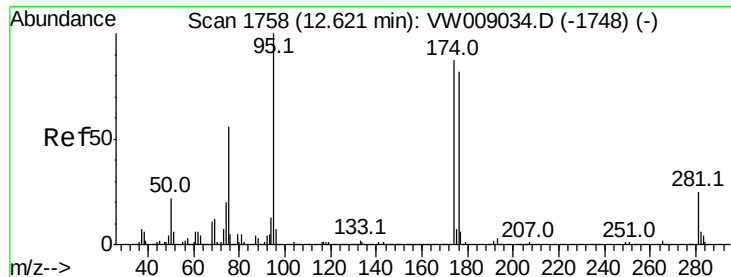
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 38.171 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

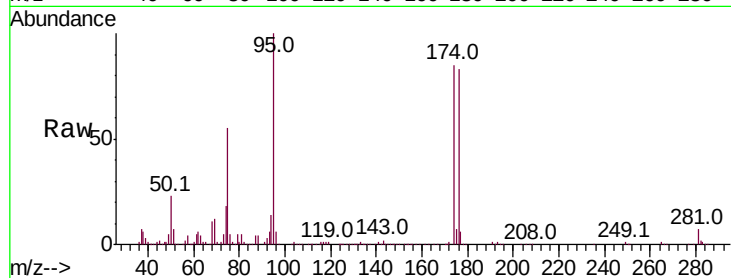
Tot Ion: 95 Resp: 181380

Ion Ratio Lower Upper

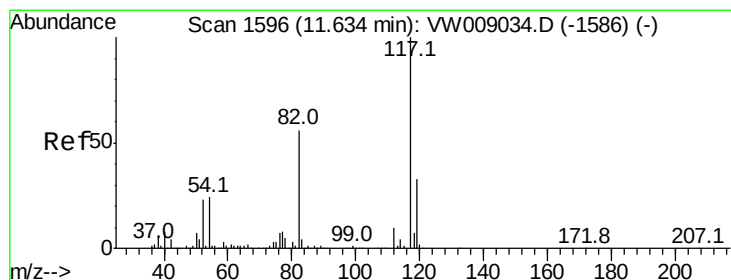
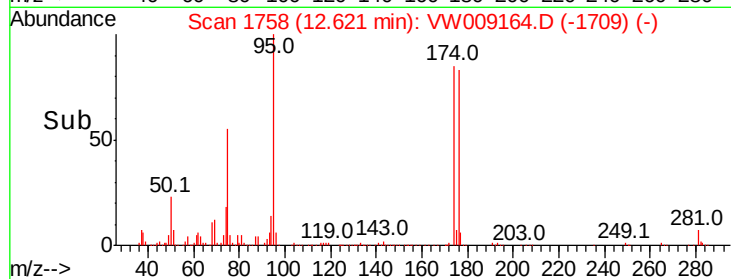
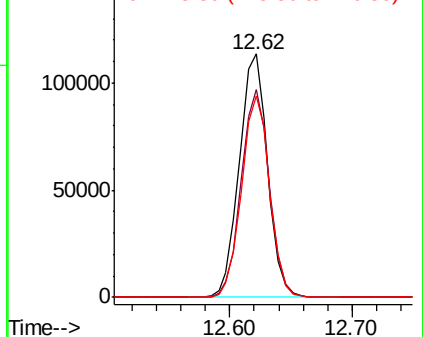
95 100

174 84.7 0.0 167.0

176 82.0 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: VW009164.D

Acq: 13 Mar 2019 19:09

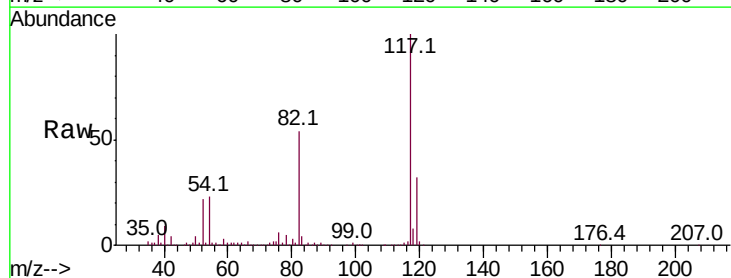
Tgt Ion: 117 Resp: 419296

Ion Ratio Lower Upper

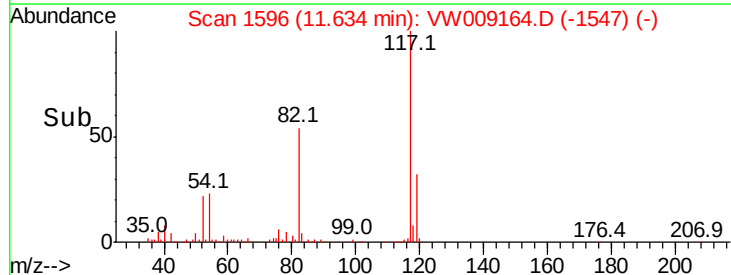
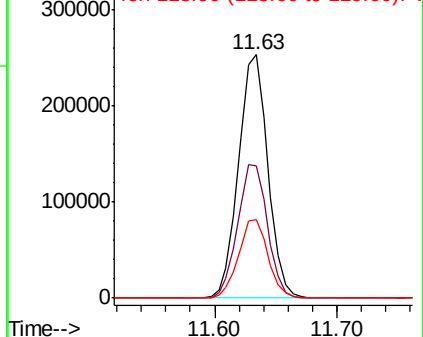
117 100

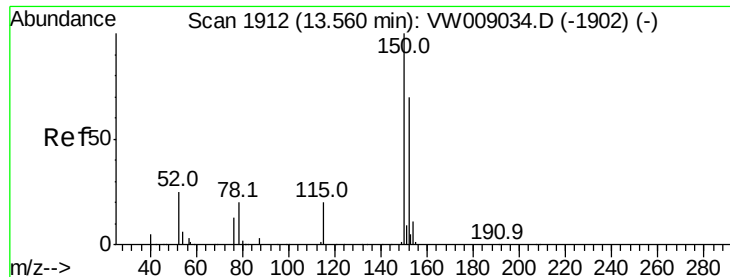
82 54.5 45.0 67.6

119 32.2 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: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

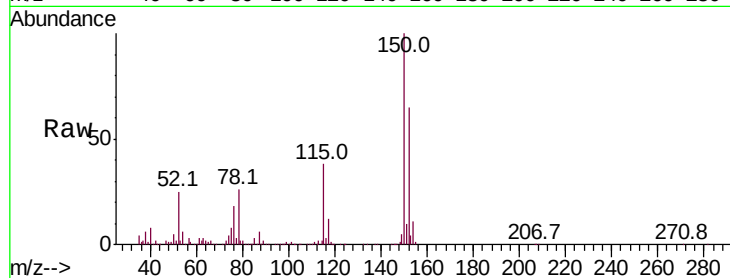
Tot Ion:152 Resp: 174133

Ion Ratio Lower Upper

152 100

115 56.7 28.9 86.7

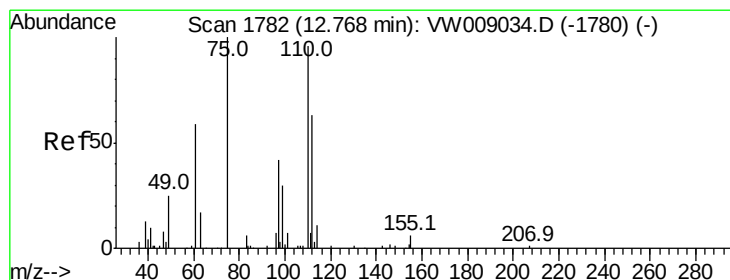
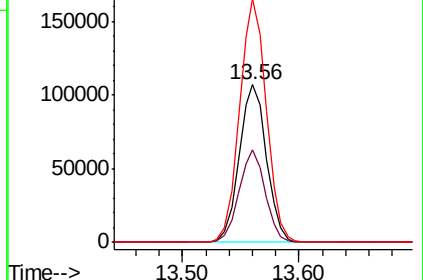
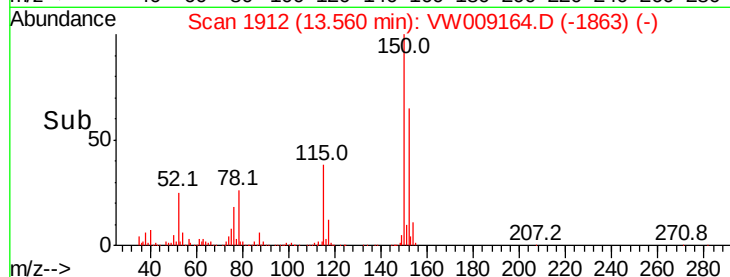
150 152.0 0.0 349.2



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: 72.405 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009164.D

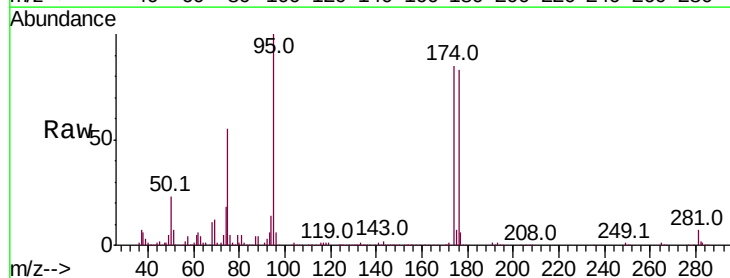
Acq: 13 Mar 2019 19:09

Tgt Ion: 75 Resp: 99614

Ion Ratio Lower Upper

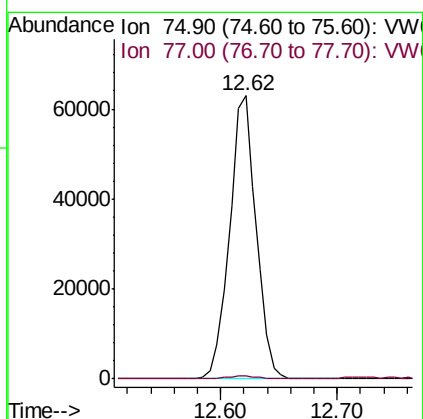
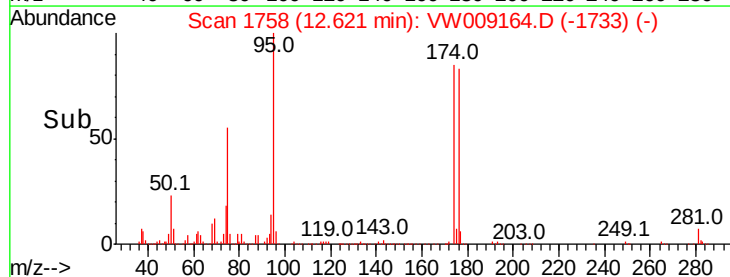
75 100

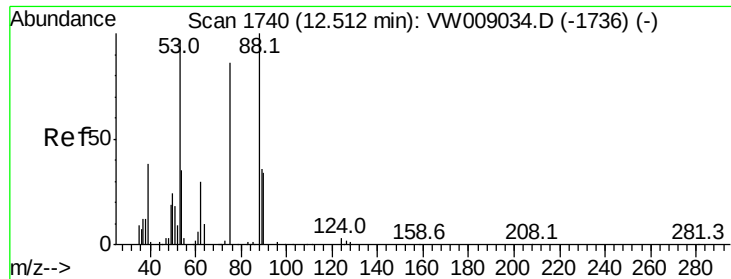
77 1.2 186.7 560.0#



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: 161.950 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009164.D

Acq: 13 Mar 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 99614

Ion Ratio Lower Upper

75 100

53 0.3 90.5 135.7#

89 0.0 37.5 56.3#

