

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011937.D
 Acq On : 15 Aug 2019 19:10
 Operator : SY/VA
 Sample : K4339-03RE
 Misc : 2.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A2-(0)

Quant Time: Aug 16 04:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	197993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	253687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77155	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	131602	57.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.76%	
35) Dibromofluoromethane	7.88	113	103239	55.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.14%	
50) Toluene-d8	10.32	98	392121	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	106398	39.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.48%	

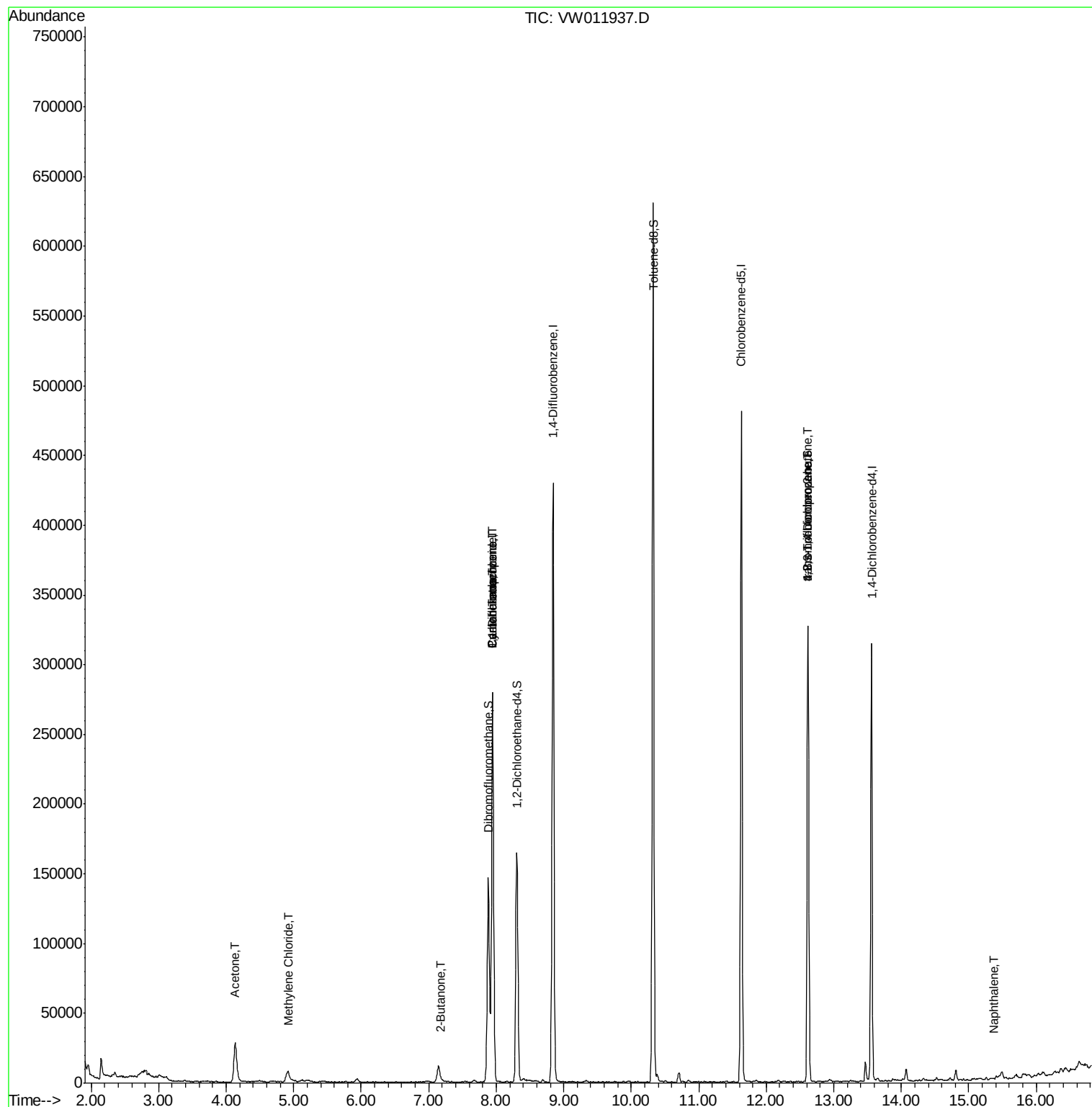
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	2358	Below Cal	#	80
16) Acetone	4.13	43	57601	79.648	ug/l	100
20) Methylene Chloride	4.91	84	5356	2.147	ug/l	97
25) 2-Butanone	7.18	43	2859	3.021	ug/l	94
31) Cyclohexane	7.95	56	5139	1.209	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17025	4.944	ug/l #	52
38) Carbon Tetrachloride	7.95	117	20400	6.921	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	57799	70.798	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57799	163.166	ug/l #	6
95) Naphthalene	15.36	128	509	2.226	ug/l #	69

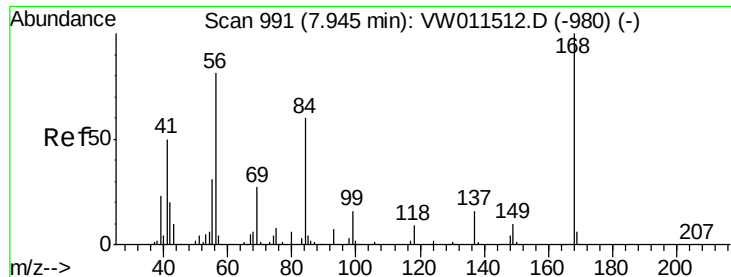
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

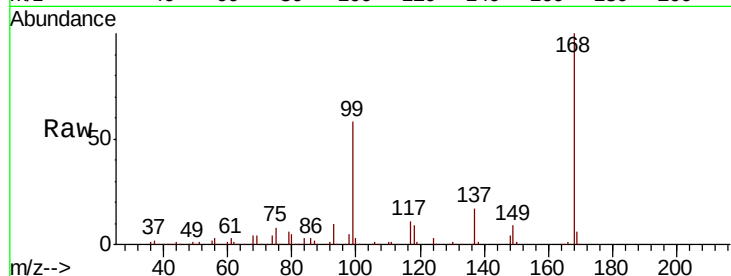
T8-A2-(0)

Tgt Ion:168 Resp: 197993

Ion Ratio Lower Upper

168 100

99 58.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

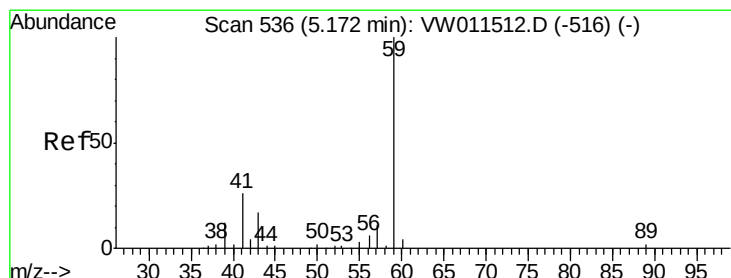
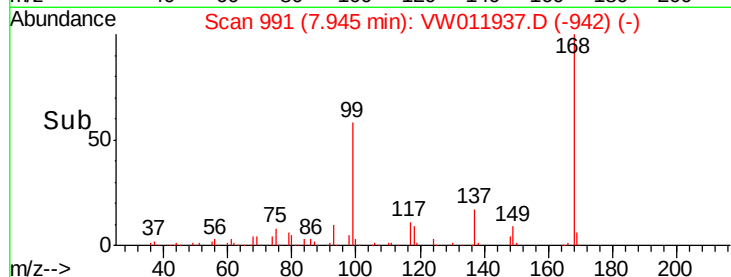
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011937.D

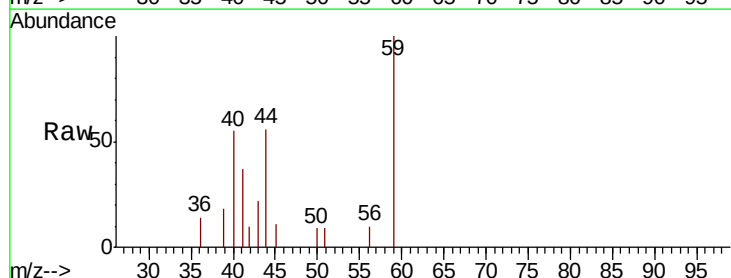
Acq: 15 Aug 2019 19:10

Tgt Ion: 59 Resp: 2358

Ion Ratio Lower Upper

59 100

57 3.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

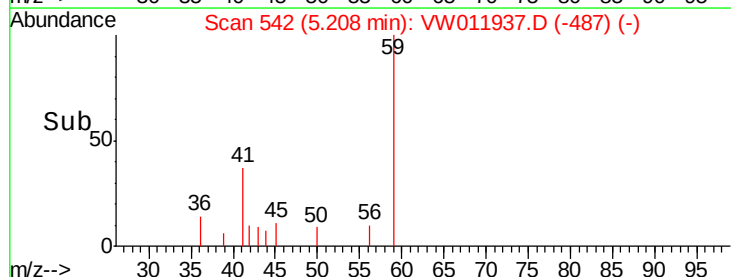
600

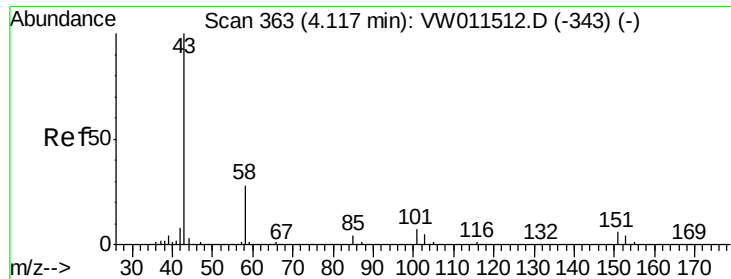
400

200

0

Time--> 5.15 5.20 5.25 5.30

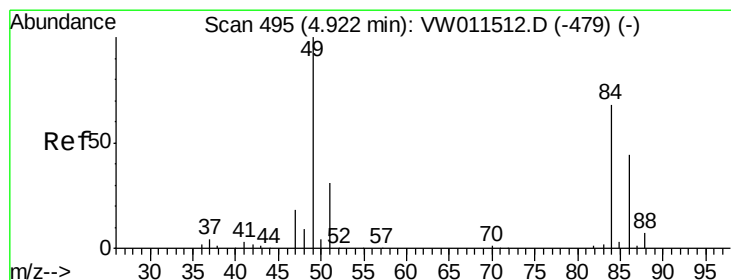
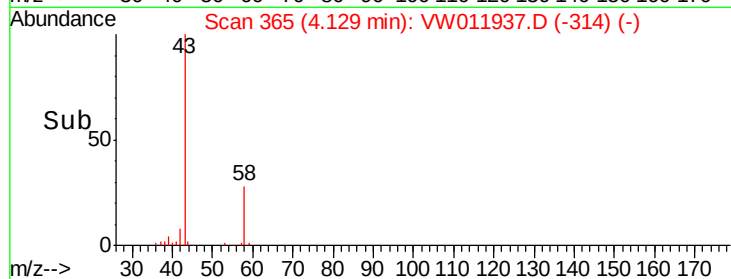
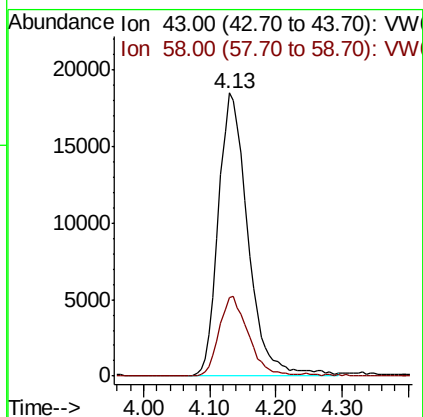
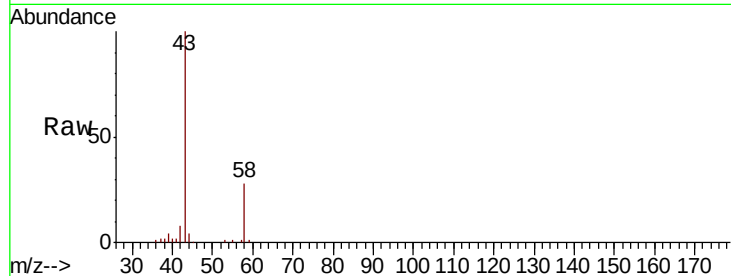




#16
Acetone
Concen: 79.648 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

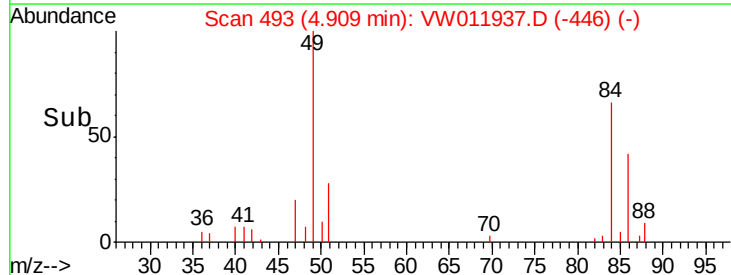
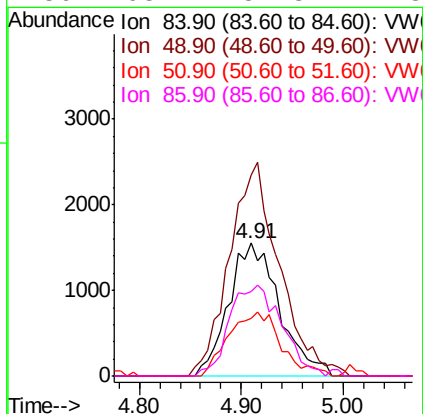
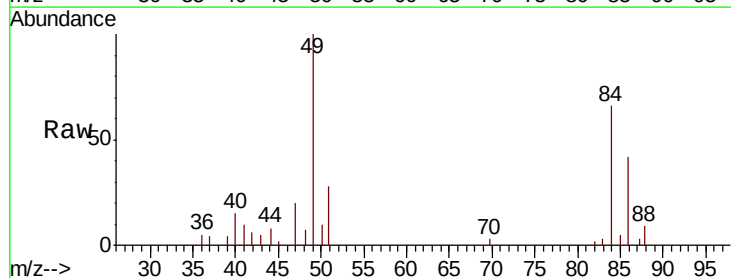
Instrument :
MSVOA_W
ClientSampleId :
T8-A2-(0)

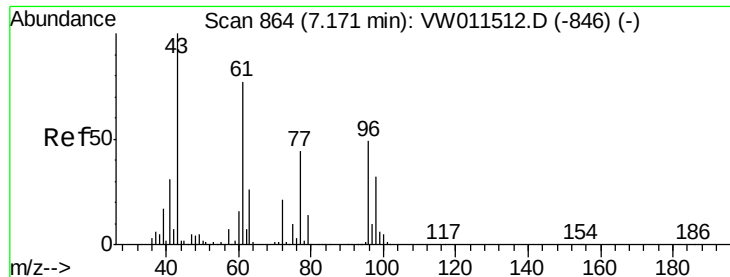
Tgt Ion: 43 Resp: 57601
Ion Ratio Lower Upper
43 100
58 27.7 22.3 33.5



#20
Methylene Chloride
Concen: 2.147 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

Tgt Ion: 84 Resp: 5356
Ion Ratio Lower Upper
84 100
49 151.4 117.8 176.6
51 43.0 37.0 55.4
86 63.7 51.8 77.8

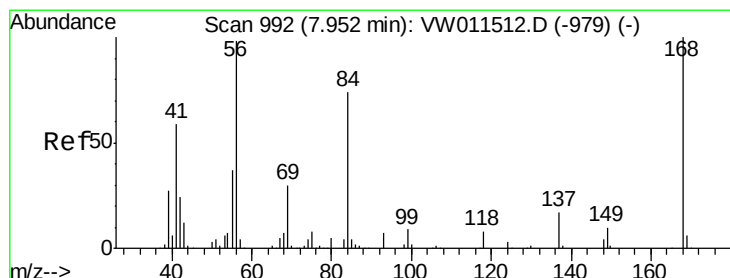
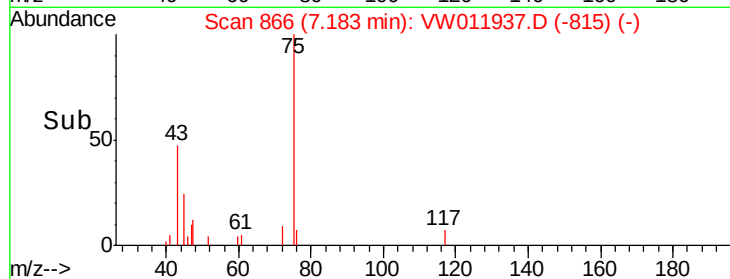
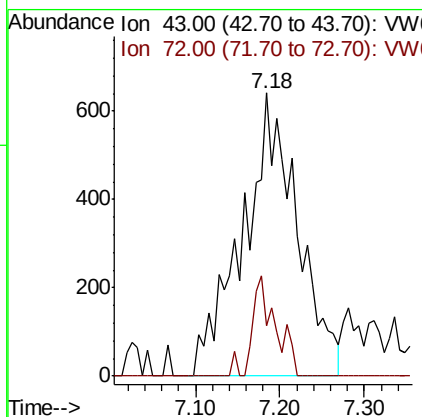
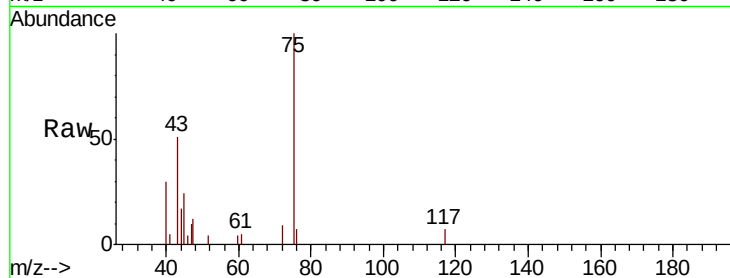




#25
2-Butanone
Concen: 3.021 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

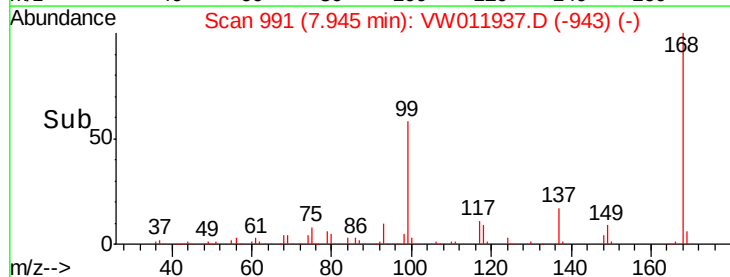
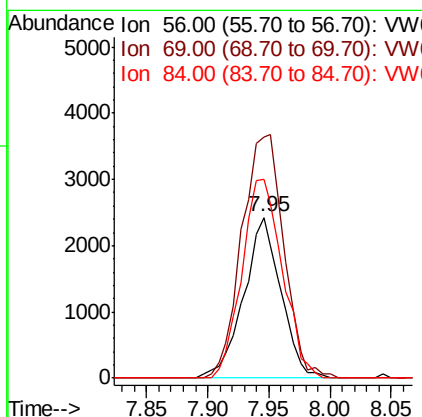
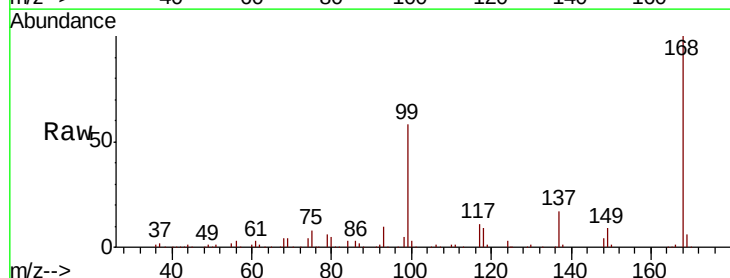
Instrument :
MSVOA_W
ClientSampled :
T8-A2-(0)

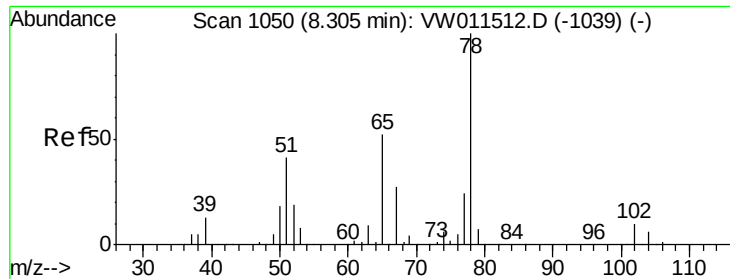
Tgt Ion: 43 Resp: 2859
Ion Ratio Lower Upper
43 100
72 17.9 16.6 24.8



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

Tgt Ion: 56 Resp: 5139
Ion Ratio Lower Upper
56 100
69 149.9 24.3 36.5#
84 123.9 60.4 90.6#

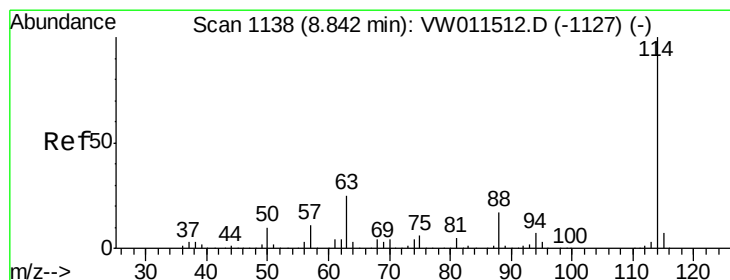
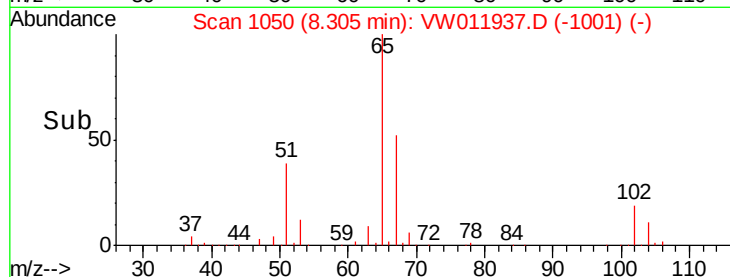
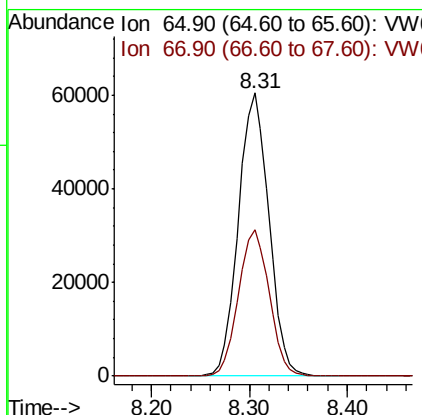
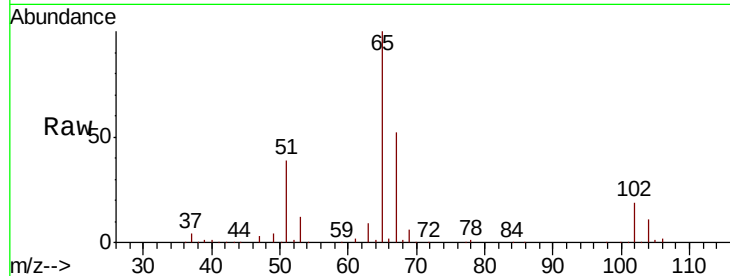




#33
 1,2-Dichloroethane-d4
 Concen: 57.885 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011937.D
 Acq: 15 Aug 2019 19:10

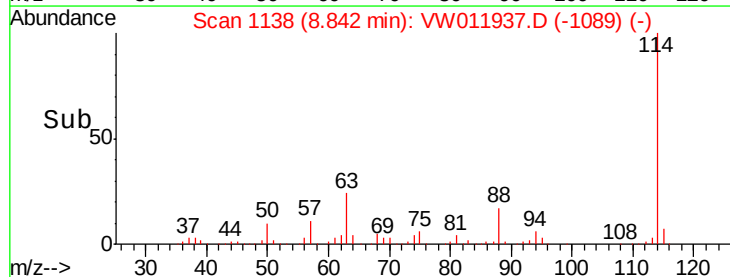
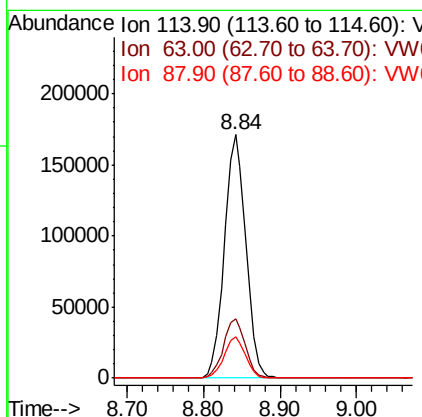
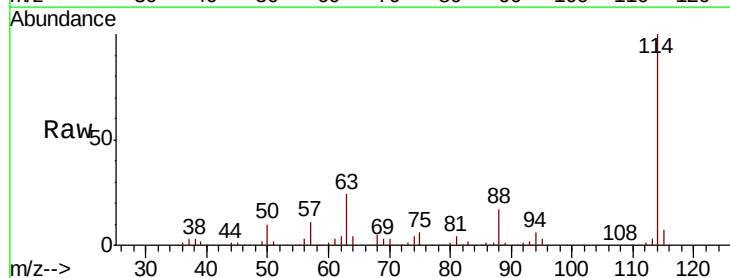
Instrument :
 MSVOA_W
 ClientSampleId :
 T8-A2-(0)

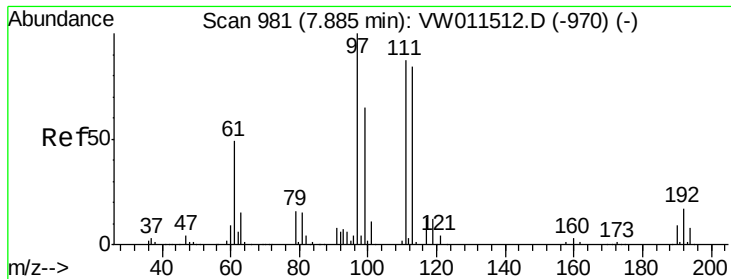
Tgt Ion: 65 Resp: 131602
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011937.D
 Acq: 15 Aug 2019 19:10

Tgt Ion: 114 Resp: 331145
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.571 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

T8-A2-(0)

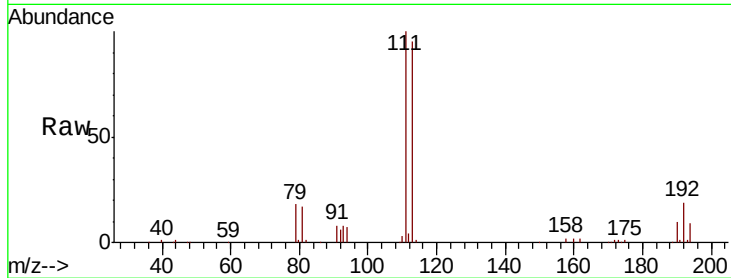
Tgt Ion:113 Resp: 103239

Ion Ratio Lower Upper

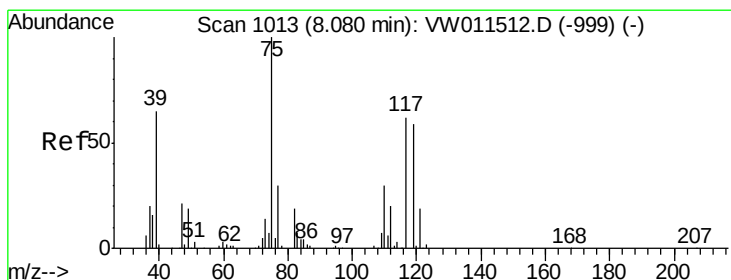
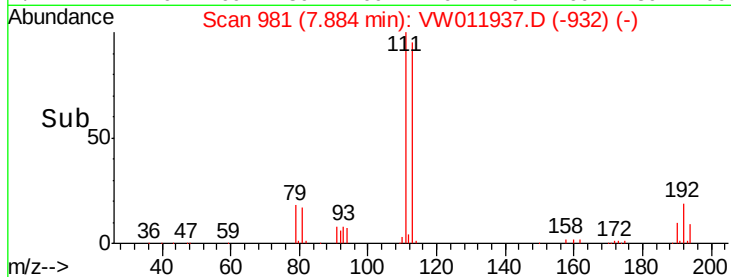
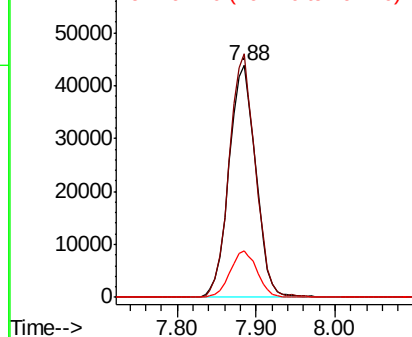
113 100

111 102.7 82.7 124.1

192 20.2 16.1 24.1



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: 4.944 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

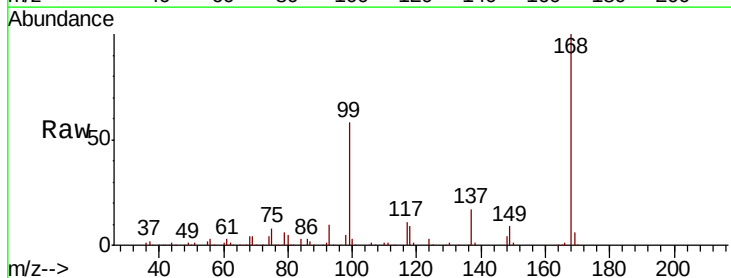
Tgt Ion: 75 Resp: 17025

Ion Ratio Lower Upper

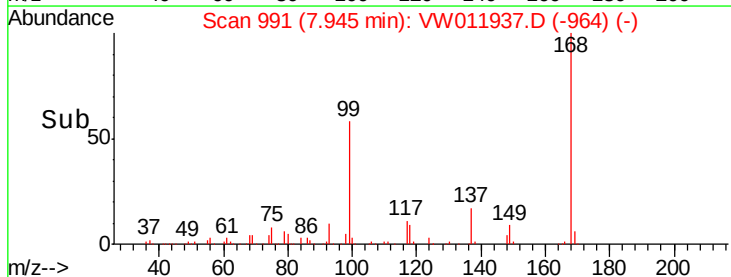
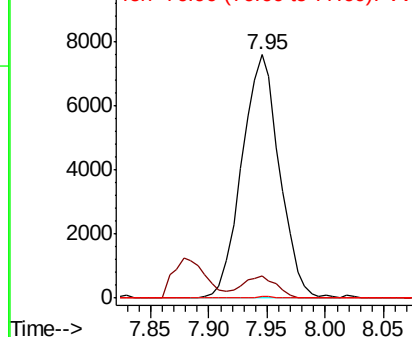
75 100

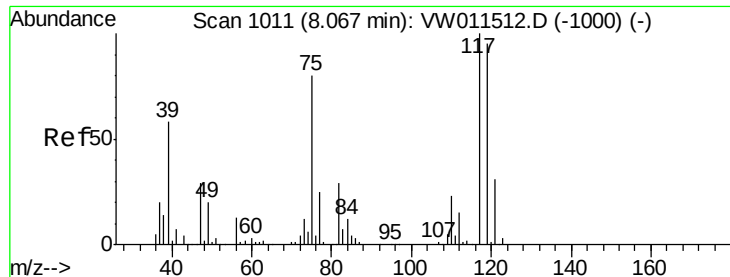
110 8.3 15.6 46.8#

77 0.3 24.3 36.5#



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

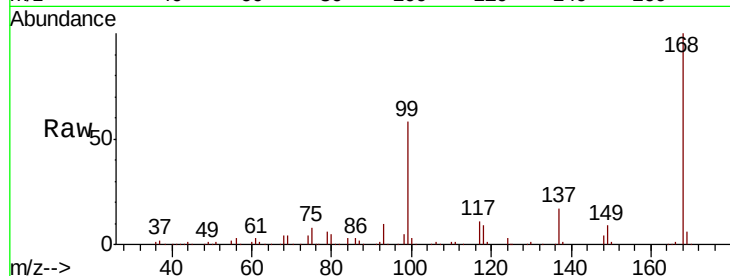




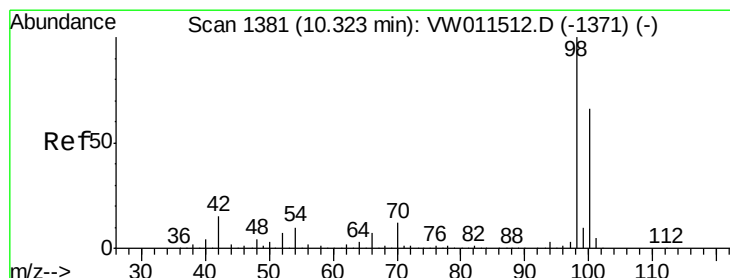
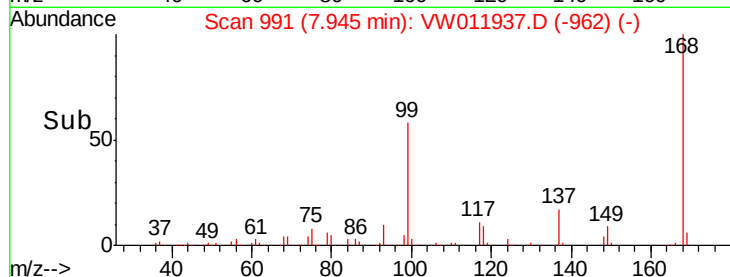
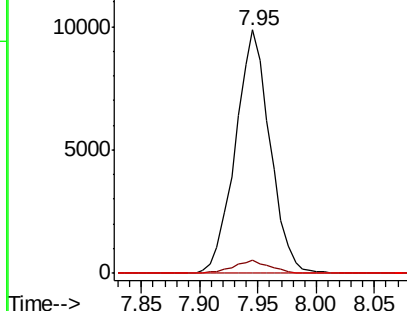
#38
Carbon Tetrachloride
Concen: 6.921 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

Instrument :
MSVOA_W
ClientSampled :
T8-A2-(0)

Tgt Ion:117 Resp: 20400
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.7 37.1#

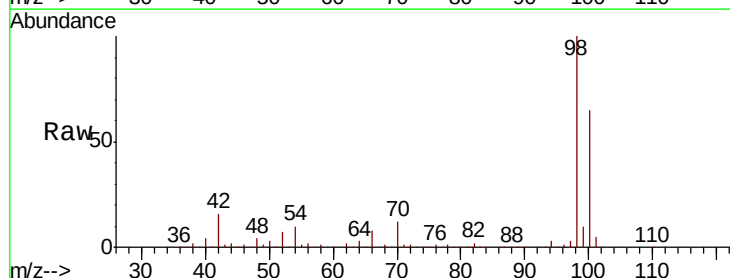


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

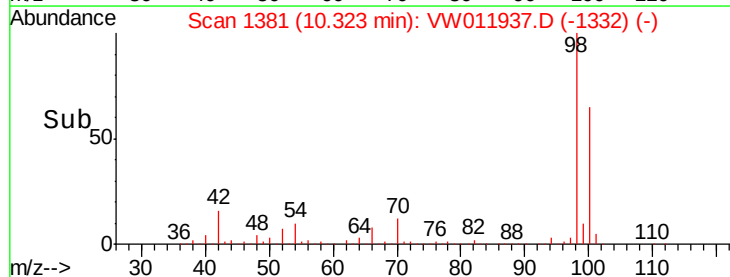
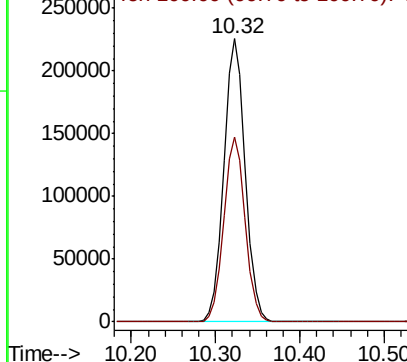


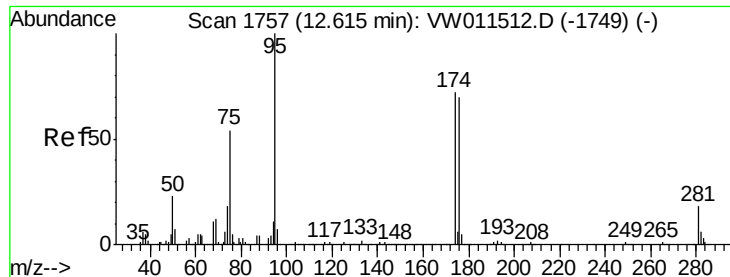
#50
Toluene-d8
Concen: 51.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011937.D
Acq: 15 Aug 2019 19:10

Tgt Ion: 98 Resp: 392121
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 39.235 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

T8-A2-(0)

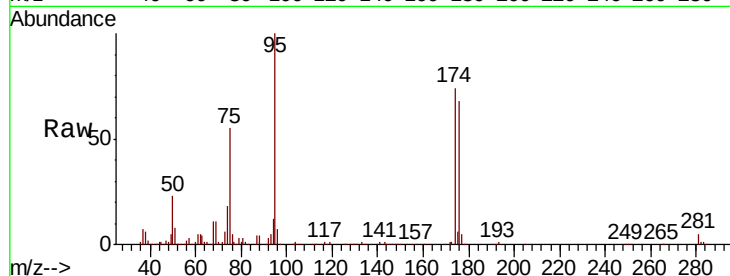
Tgt Ion: 95 Resp: 106398

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.2

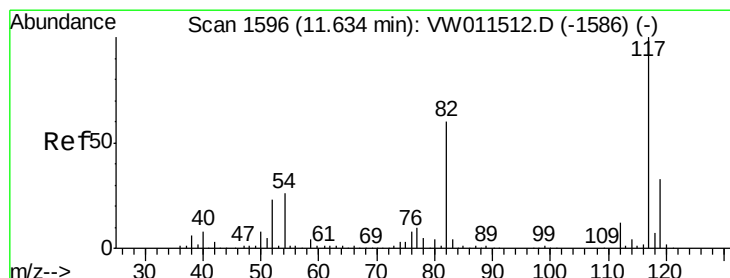
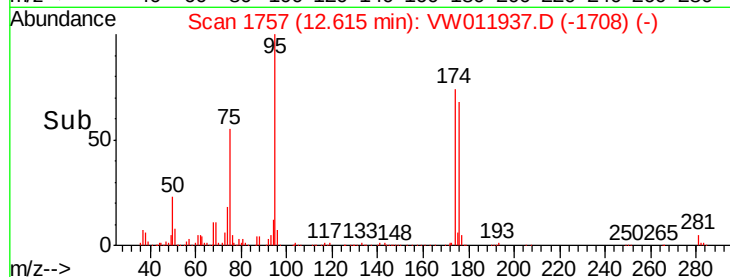
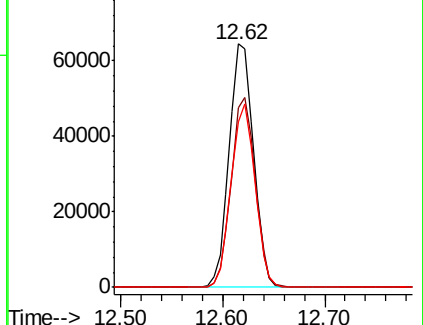
176 74.0 0.0 144.4



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: VW011937.D

Acq: 15 Aug 2019 19:10

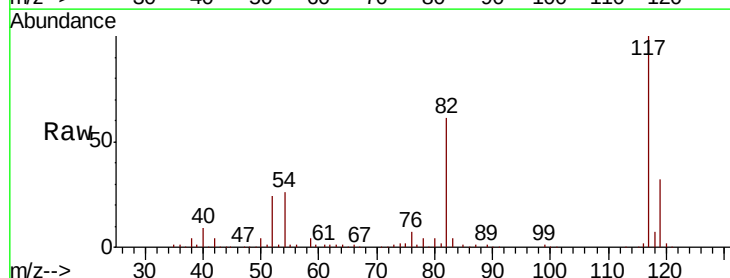
Tgt Ion: 117 Resp: 253687

Ion Ratio Lower Upper

117 100

82 60.8 47.9 71.9

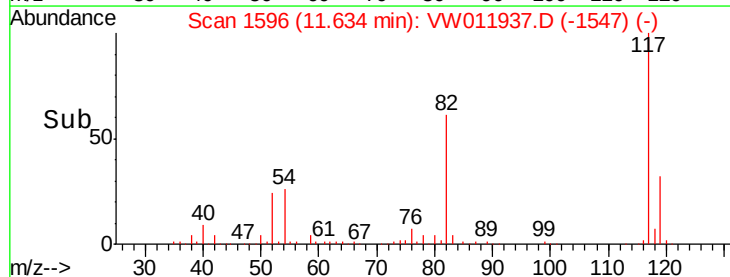
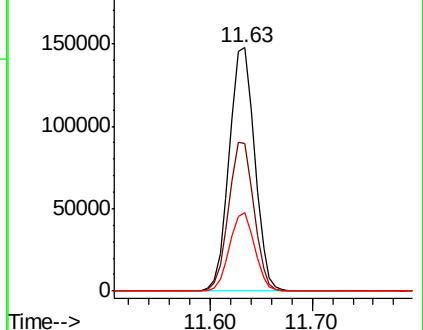
119 32.4 26.2 39.2

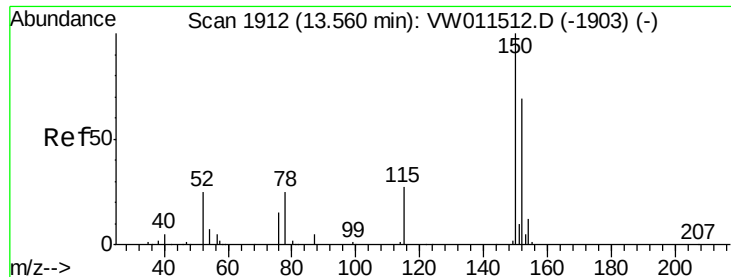


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011937.D

Acq: 15 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

T8-A2-(0)

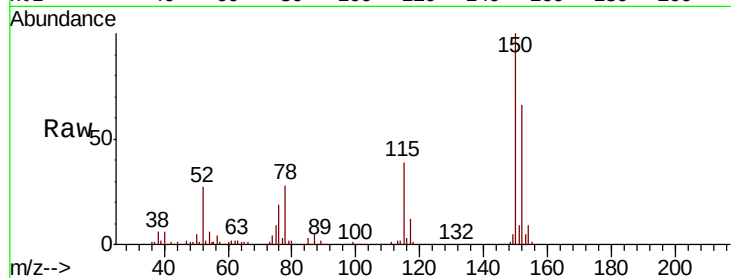
Tgt Ion:152 Resp: 77155

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

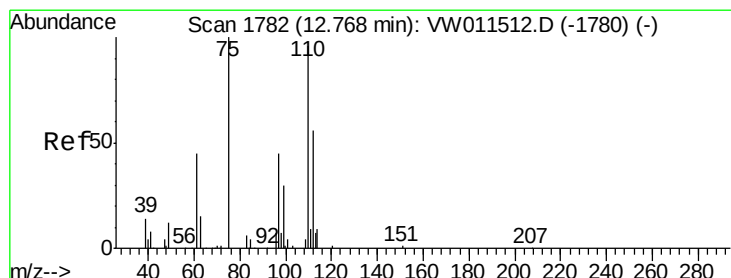
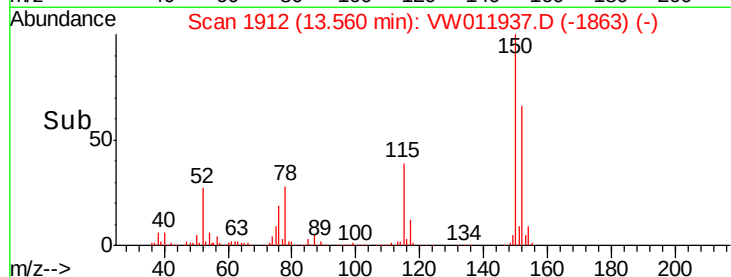
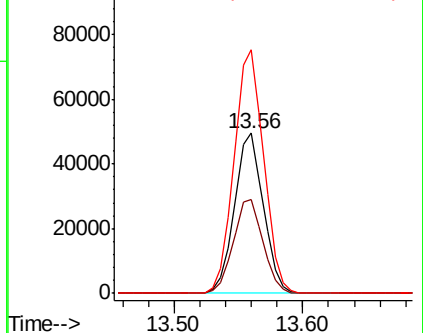
150 155.7 0.0 352.6



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: 70.798 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011937.D

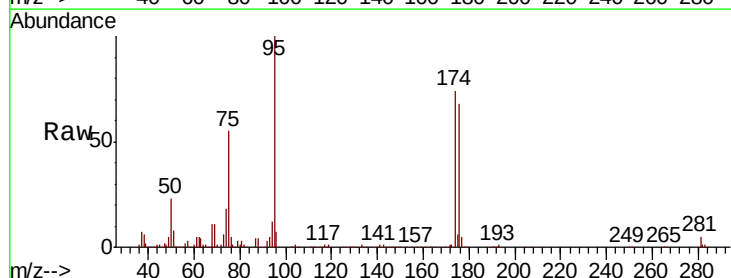
Acq: 15 Aug 2019 19:10

Tgt Ion: 75 Resp: 57799

Ion Ratio Lower Upper

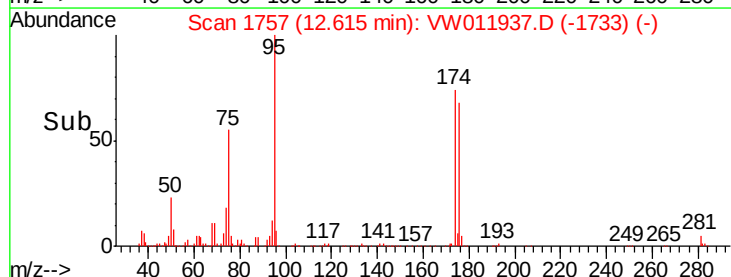
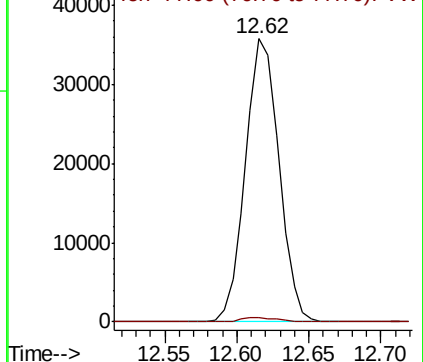
75 100

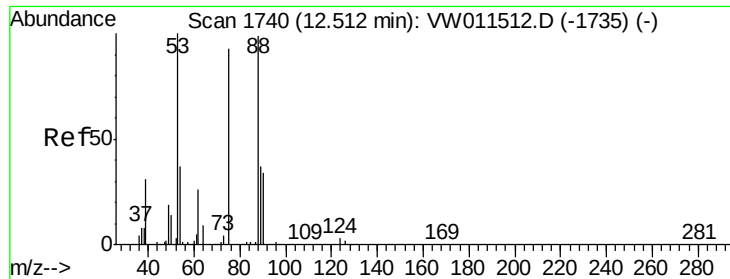
77 1.6 0.0 0.0#



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: 163.166 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

T8-A2-(0)

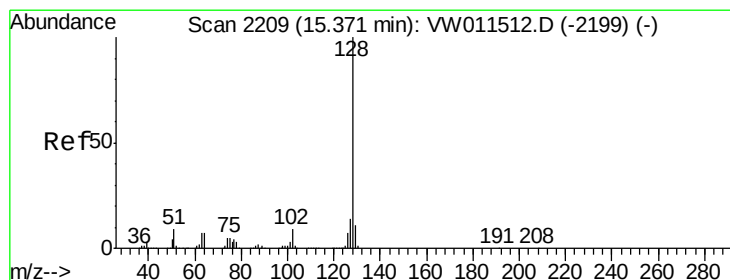
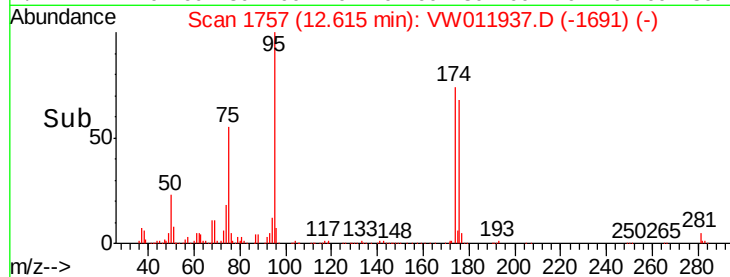
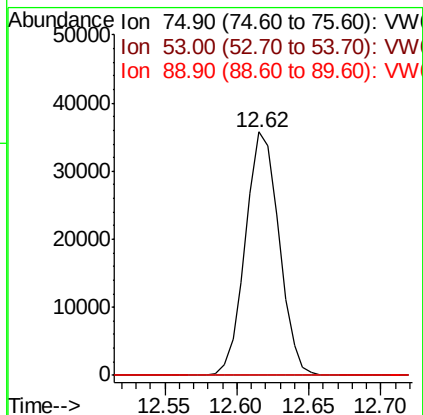
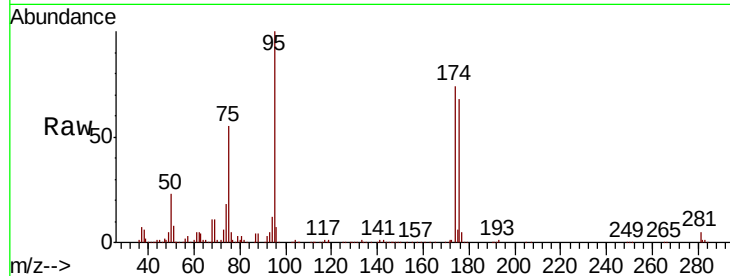
Tgt Ion: 75 Resp: 57799

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.226 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW011937.D

Acq: 15 Aug 2019 19:10

Tgt Ion: 128 Resp: 509

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

