

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011037.D
 Acq On : 28 Jun 2019 01:21
 Operator : SY/VA
 Sample : K3509-01
 Misc : 5.16G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:34:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	83332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27983	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	41927	42.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.96%	
35) Dibromofluoromethane	7.88	113	30569	41.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.04%	
50) Toluene-d8	10.32	98	93559	30.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.74%	
62) 4-Bromofluorobenzene	12.62	95	32261	29.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.22%	

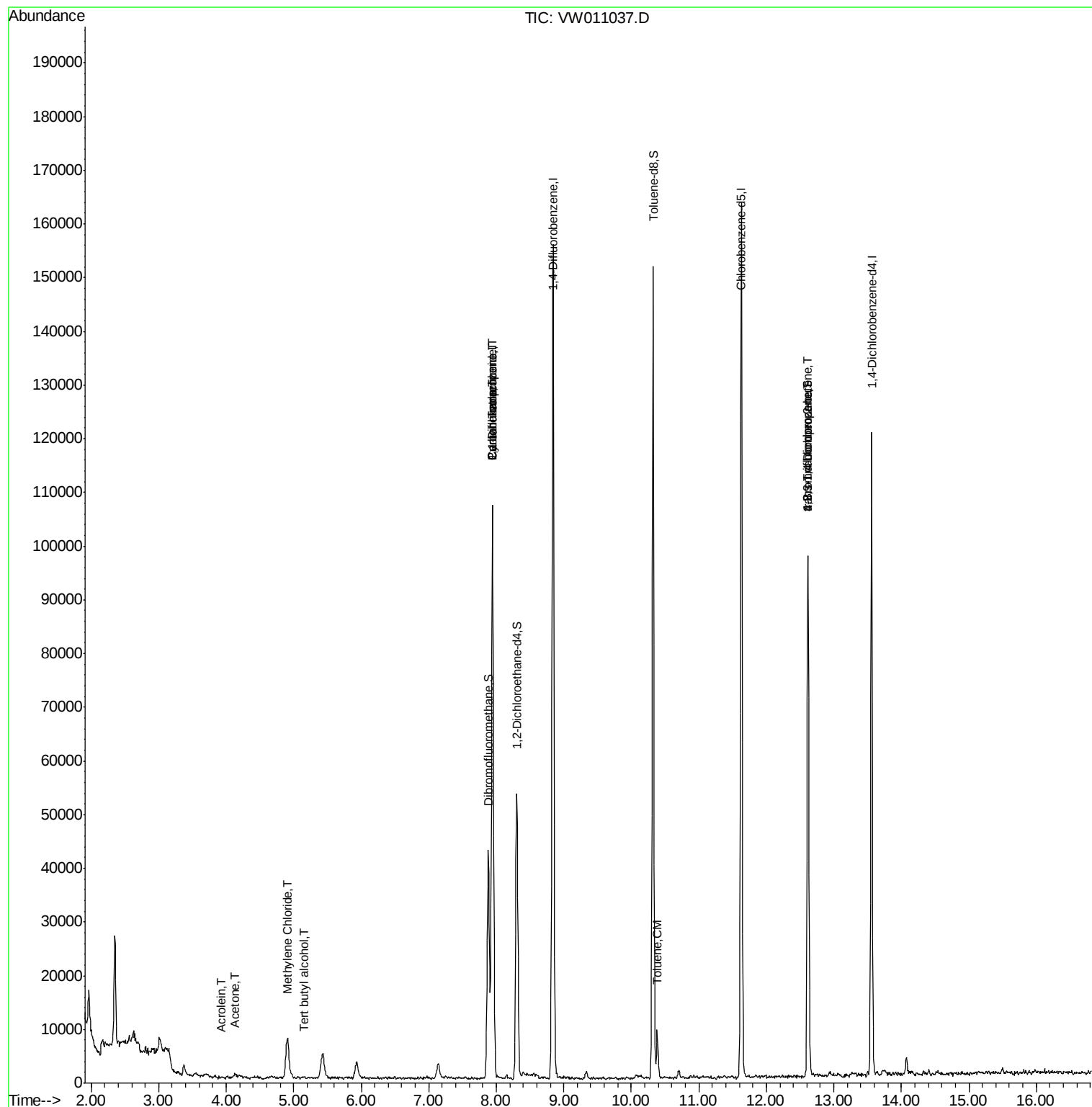
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	97	1.369	ug/l #	71
13) Acrolein	3.93	56	56	1.014	ug/l #	15
16) Acetone	4.13	43	1626	6.828	ug/l	96
20) Methylene Chloride	4.91	84	4850	5.013	ug/l	89
31) Cyclohexane	7.95	56	2496	1.338	ug/l #	13
36) 1,1-Dichloropropene	7.94	75	6655	5.136	ug/l #	51
38) Carbon Tetrachloride	7.94	117	7796	7.305	ug/l #	16
52) Toluene	10.38	92	3292	1.509	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	17122	57.957	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17122	117.301	ug/l #	3

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

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

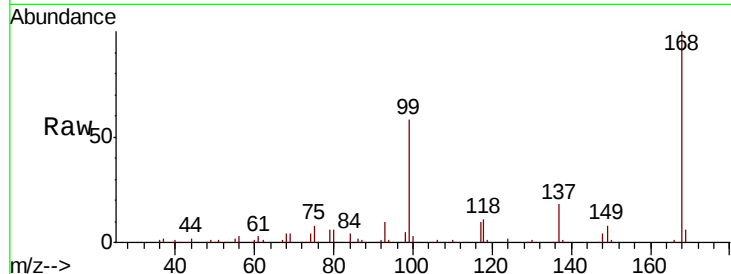
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 74625

Ion Ratio Lower Upper

168 100

99 57.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

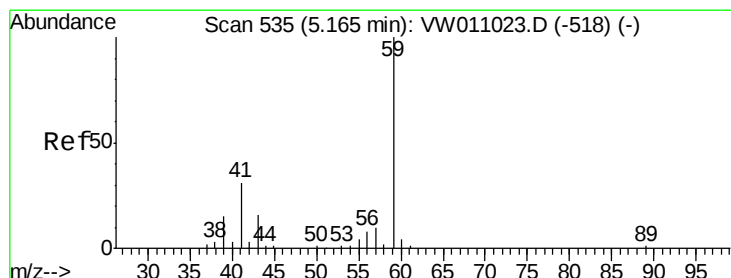
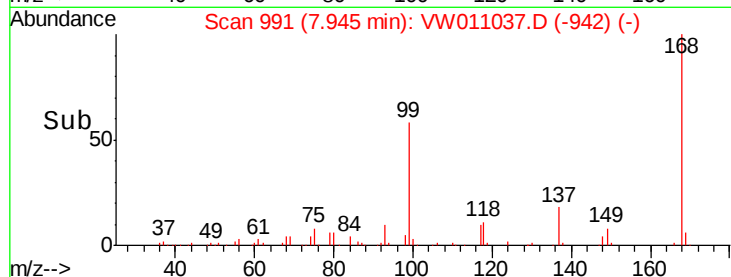
20000

10000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.369 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW011037.D

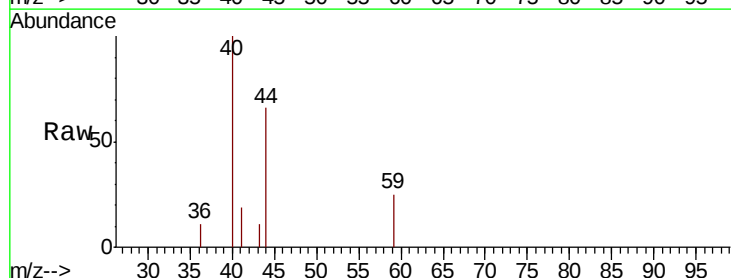
Acq: 28 Jun 2019 01:21

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

150

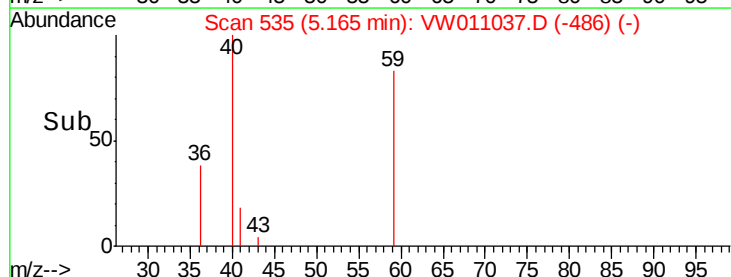
100

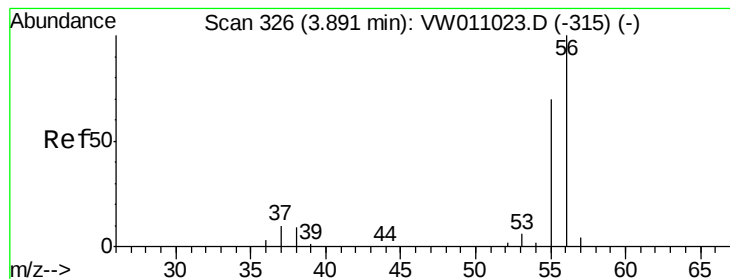
50

0

5.14 5.16 5.18

Time-->





#13

Acrolein

Concen: 1.014 ug/l

RT: 3.93 min Scan# 332

Delta R.T. 0.04 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

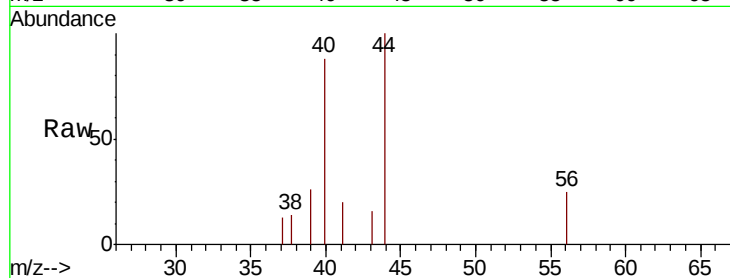
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 56

Ion Ratio Lower Upper

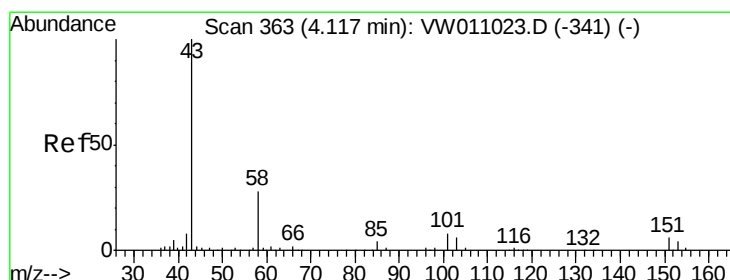
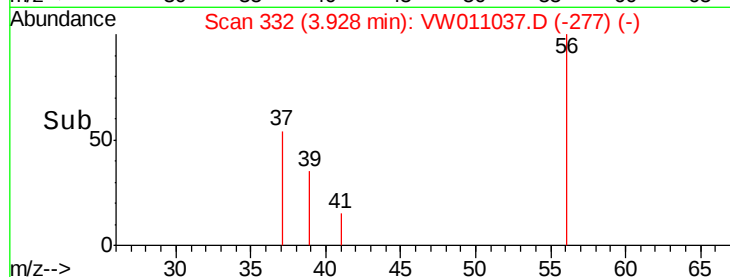
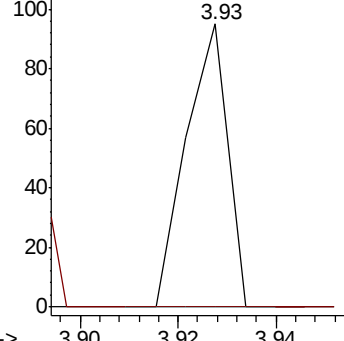
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 6.828 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011037.D

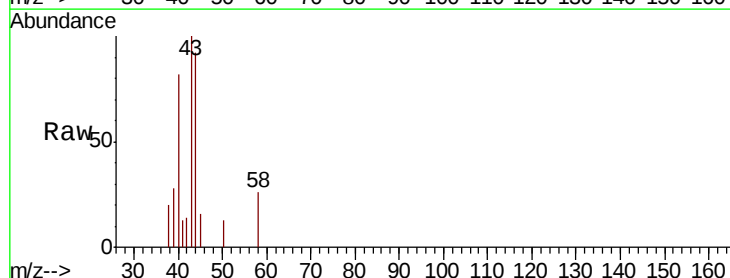
Acq: 28 Jun 2019 01:21

Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

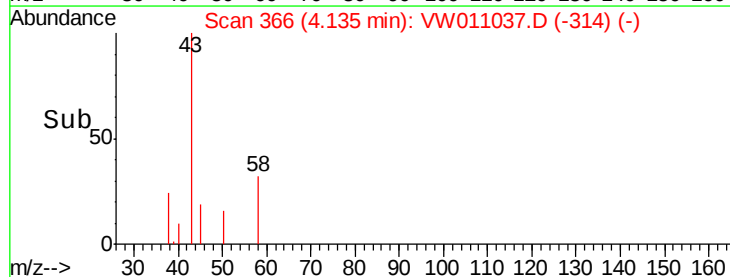
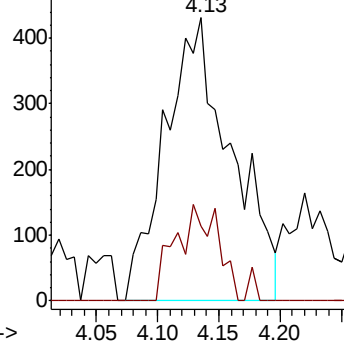
43 100

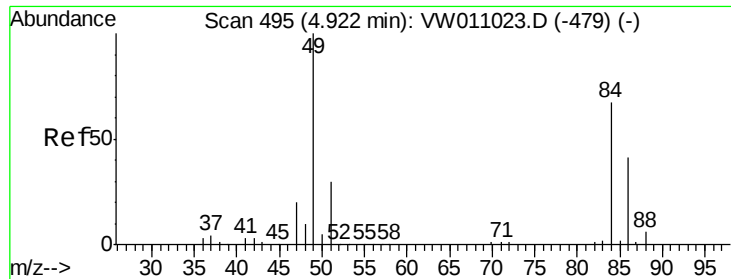
58 26.2 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

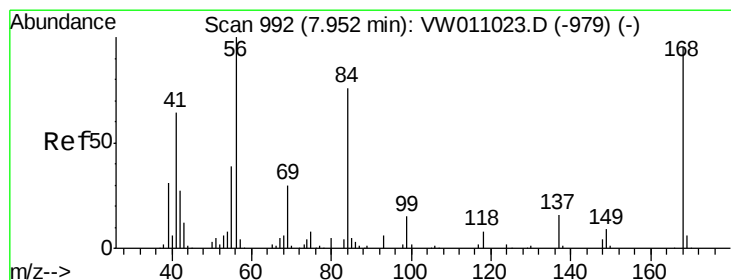
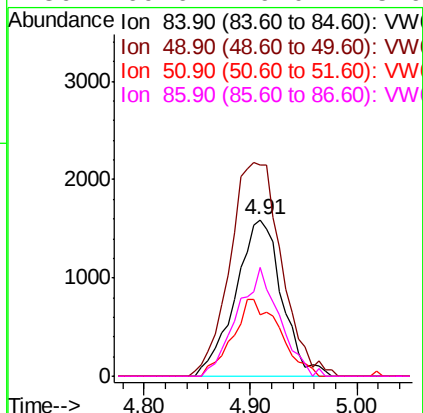
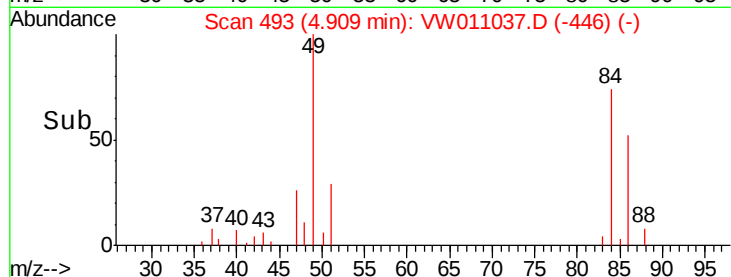
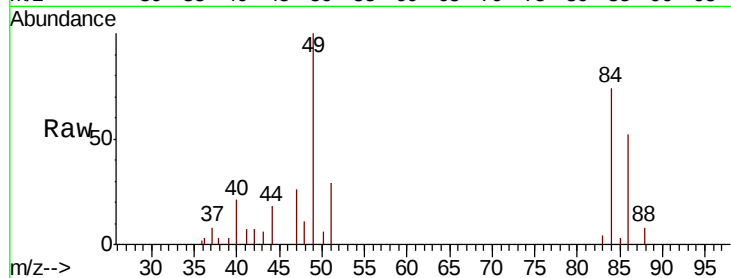




#20
Methvlene Chloride
Concen: 5.013 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011037.D
Acq: 28 Jun 2019 01:21

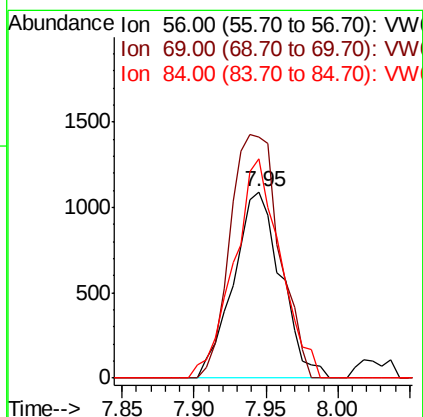
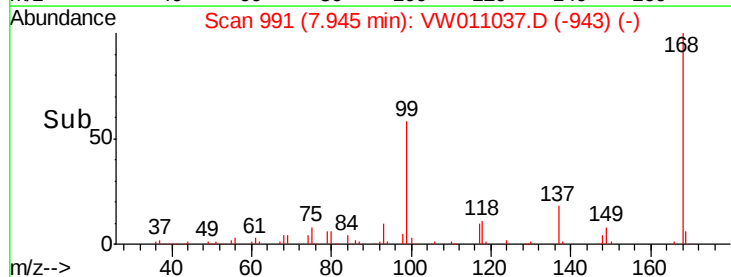
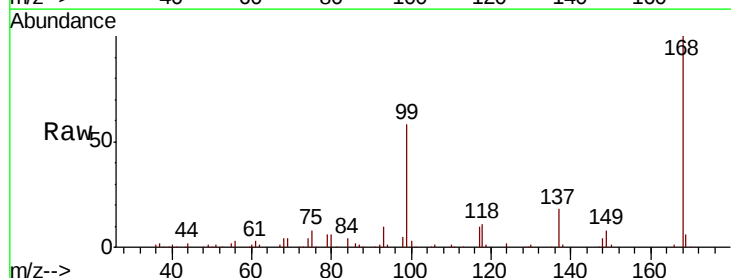
Instrument :
MSVOA_W
ClientSampleId :

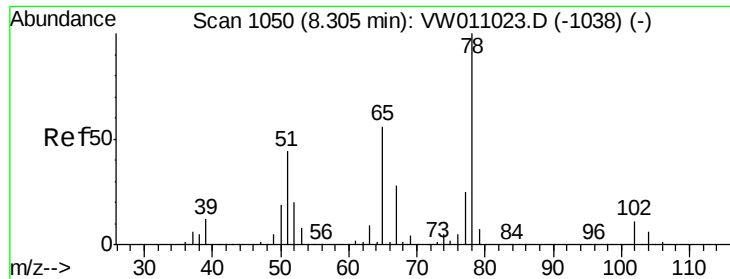
Tot Ion:	84	Resp:	4850
Ion	Ratio	Lower	Upper
84	100		
49	134.8	119.6	179.4
51	38.9	35.6	53.4
86	69.6	49.0	73.6



#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011037.D
Acq: 28 Jun 2019 01:21

Tgt Ion:	56	Resp:	2496
Ion	Ratio	Lower	Upper
56	100		
69	129.8	24.2	36.2#
84	117.8	60.6	90.8#

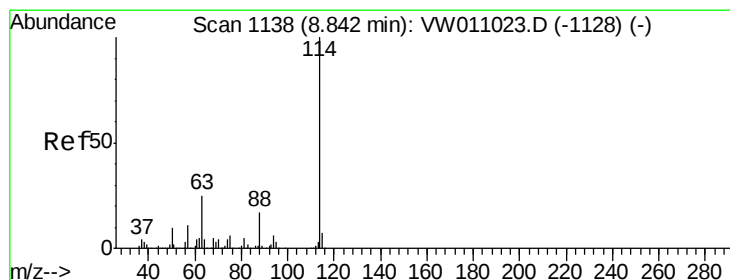
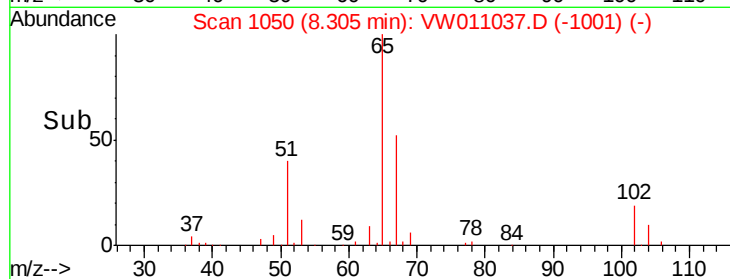
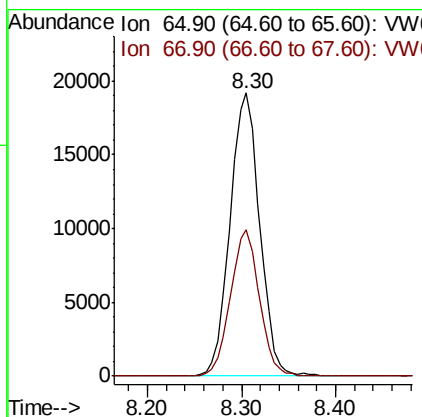
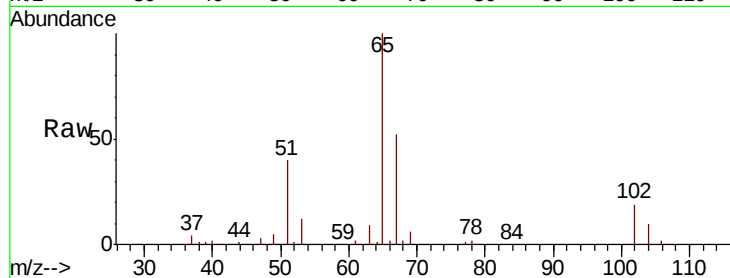




#33
 1,2-Dichloroethane-d4
 Concen: 42.978 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011037.D
 Acq: 28 Jun 2019 01:21

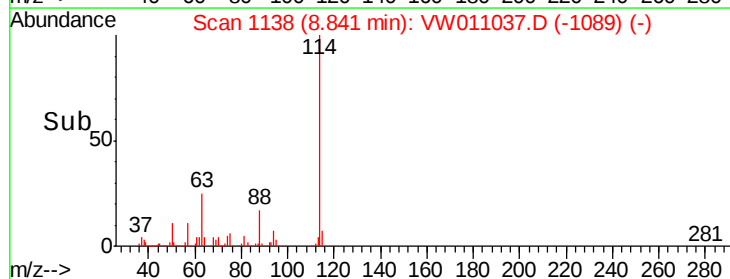
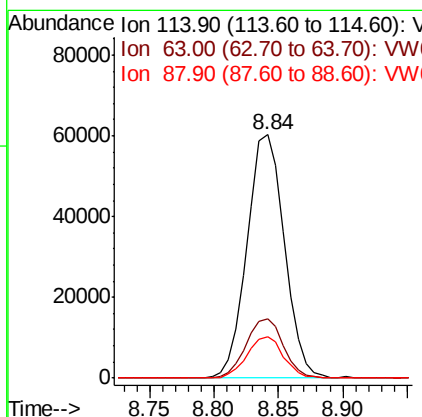
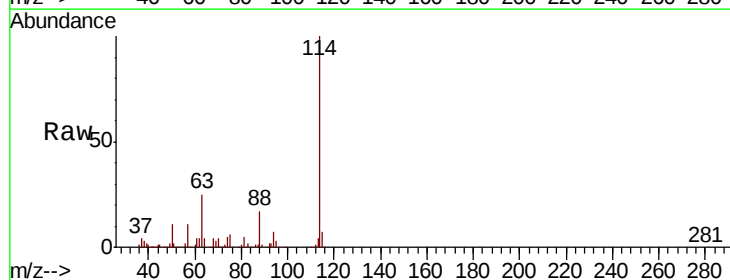
Instrument :
 MSVOA_W
 ClientSampleId :

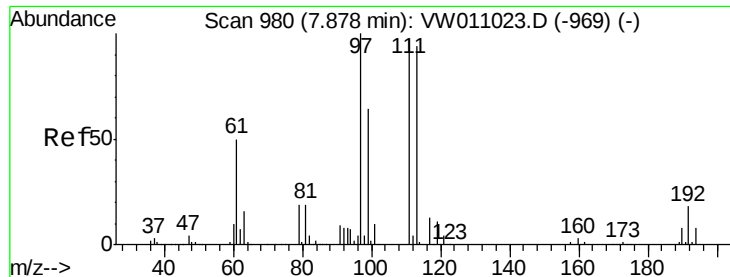
Tot Ion: 65 Resp: 41927
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011037.D
 Acq: 28 Jun 2019 01:21

Tgt Ion: 114 Resp: 120564
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 41.522 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampleId :

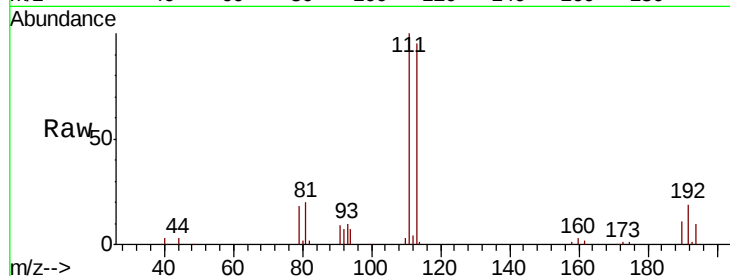
Tot Ion:113 Resp: 30569

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

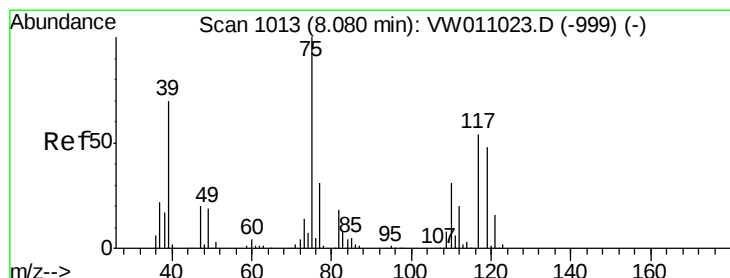
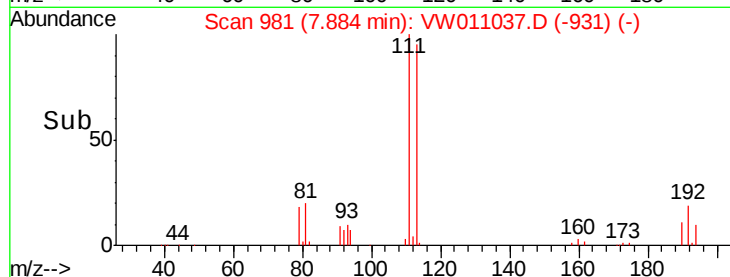
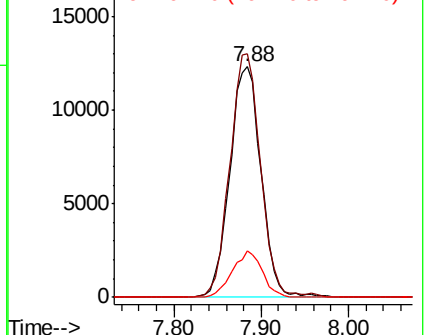
192 19.3 16.0 24.0



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: 5.136 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

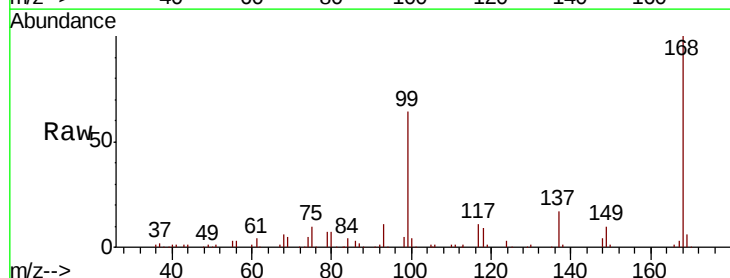
Tgt Ion: 75 Resp: 6655

Ion Ratio Lower Upper

75 100

110 8.5 15.5 46.5#

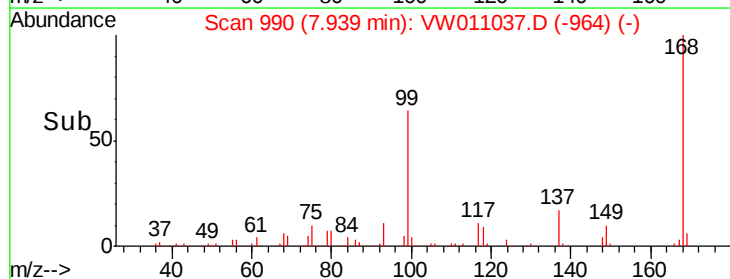
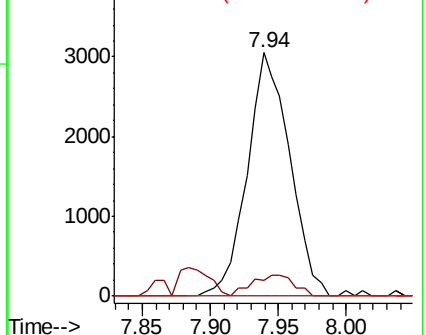
77 0.0 24.9 37.3#

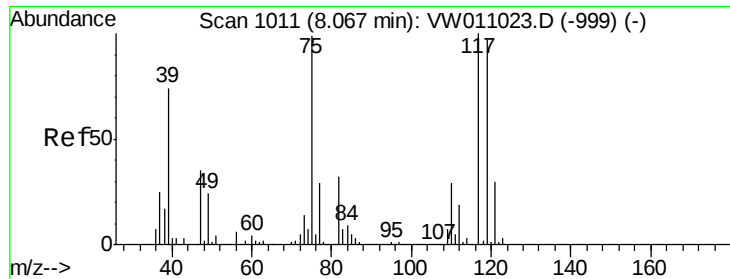


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

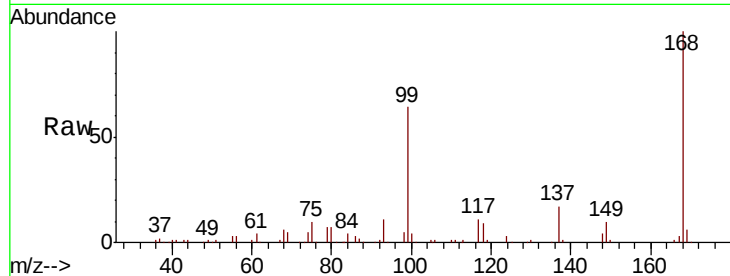




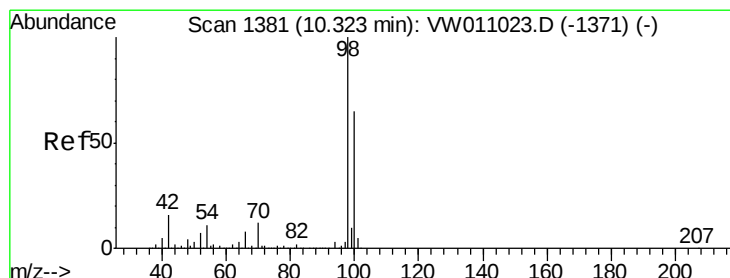
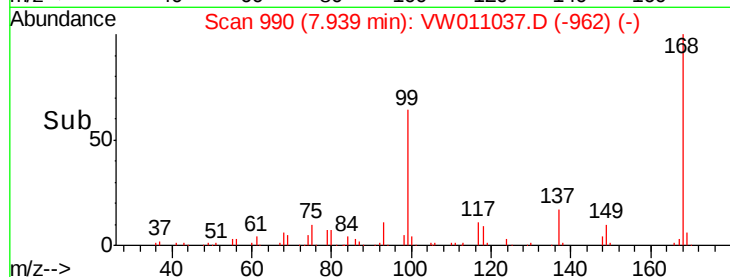
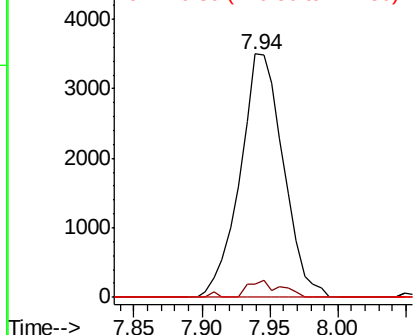
#38
Carbon Tetrachloride
Concen: 7.305 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011037.D
Acq: 28 Jun 2019 01:21

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 7796
Ion Ratio Lower Upper
117 100
119 5.7 77.7 116.5#
121 0.0 23.9 35.9#

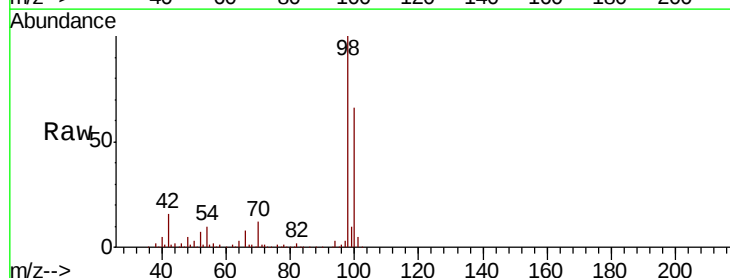


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

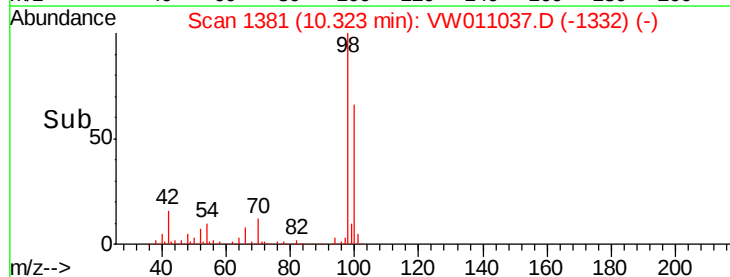
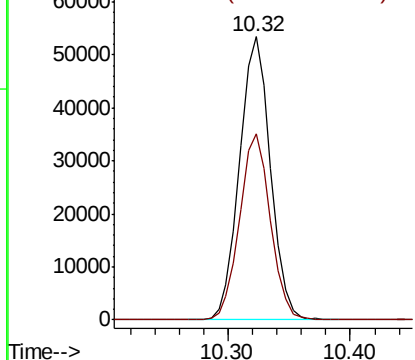


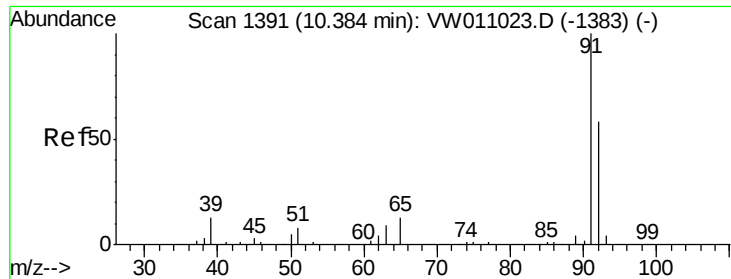
#50
Toluene-d8
Concen: 30.873 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011037.D
Acq: 28 Jun 2019 01:21

Tgt Ion: 98 Resp: 93559
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



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





#52

Toluene

Concen: 1.509 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

Instrument :

MSVOA_W

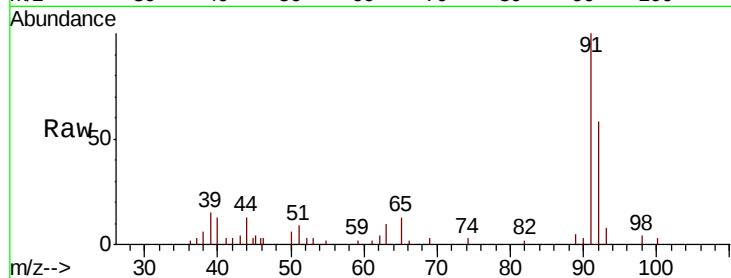
ClientSampleId :

Tot Ion: 92 Resp: 3292

Ion Ratio Lower Upper

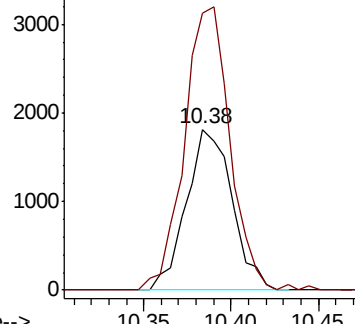
92 100

91 174.7 136.9 205.3

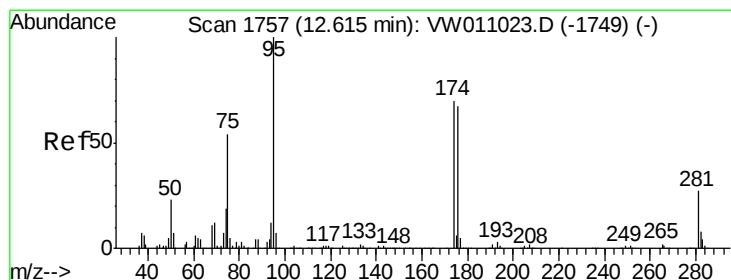
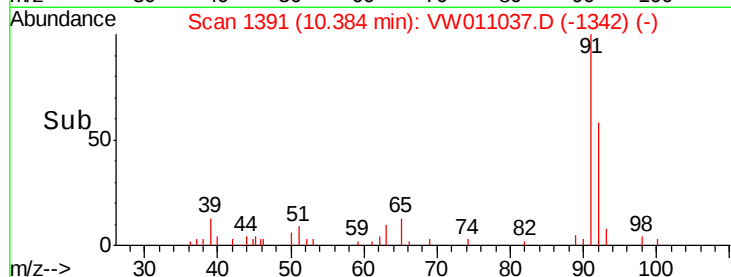


Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 29.106 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

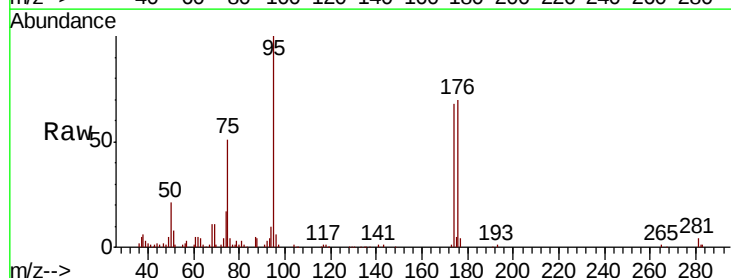
Tgt Ion: 95 Resp: 32261

Ion Ratio Lower Upper

95 100

174 70.1 0.0 149.2

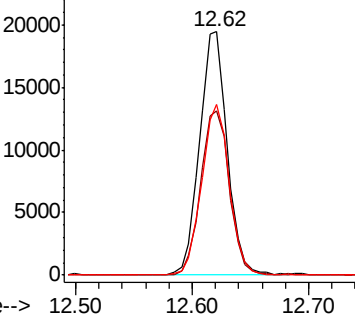
176 70.2 0.0 143.6



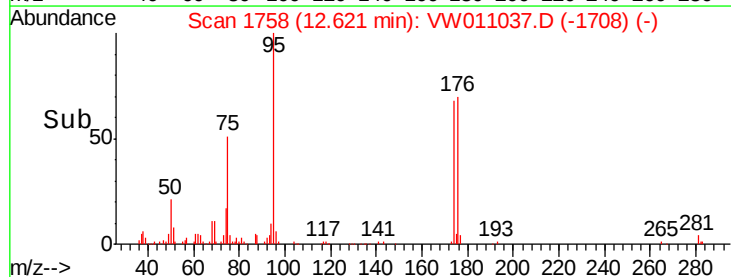
Abundance Ion 94.90 (94.60 to 95.60): VW

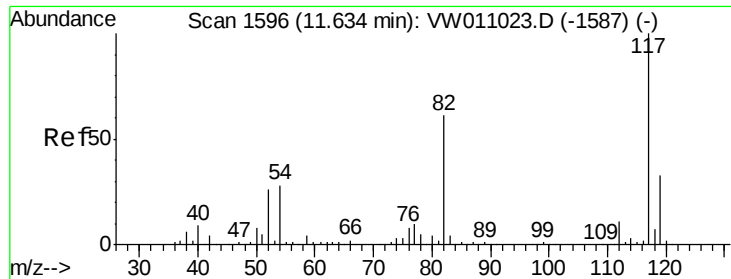
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011037.D

Acq: 28 Jun 2019 01:21

Instrument :

MSVOA_W

ClientSampled :

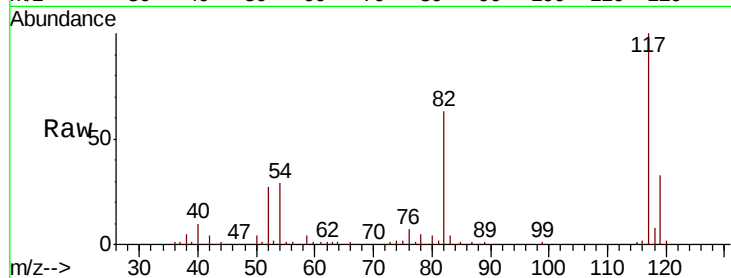
Tot Ion:117 Resp: 83332

Ion Ratio Lower Upper

117 100

82 63.2 48.6 73.0

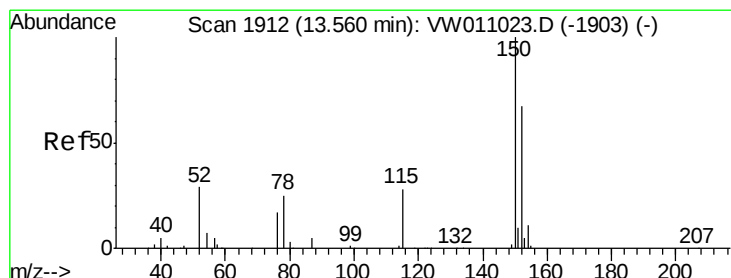
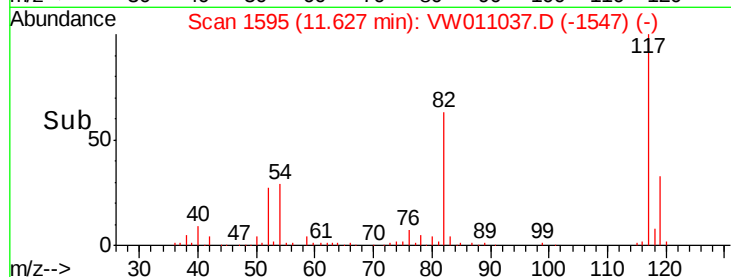
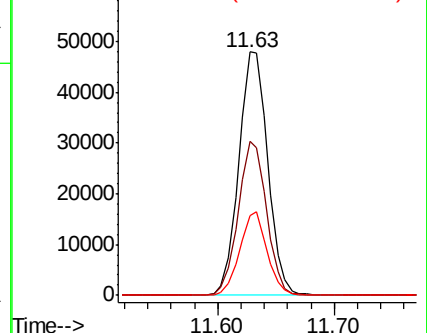
119 32.7 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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: VW011037.D

Acq: 28 Jun 2019 01:21

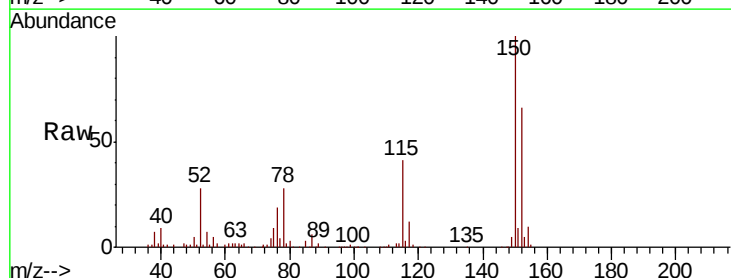
Tgt Ion:152 Resp: 27983

Ion Ratio Lower Upper

152 100

115 63.1 30.7 92.1

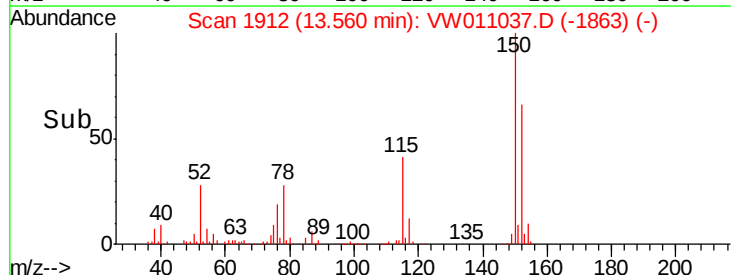
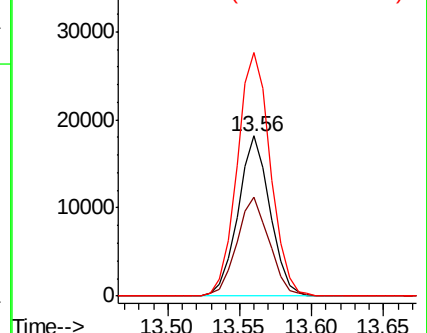
150 158.7 0.0 341.8

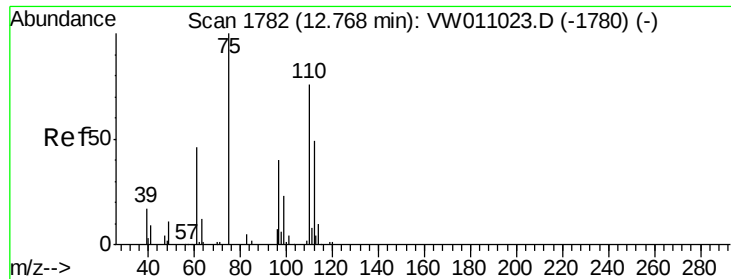


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

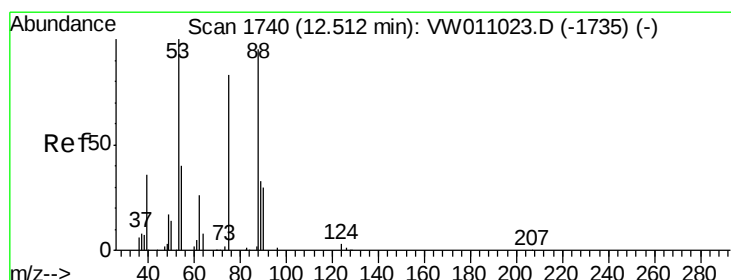
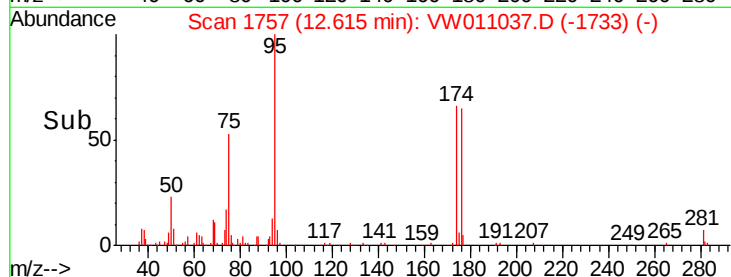
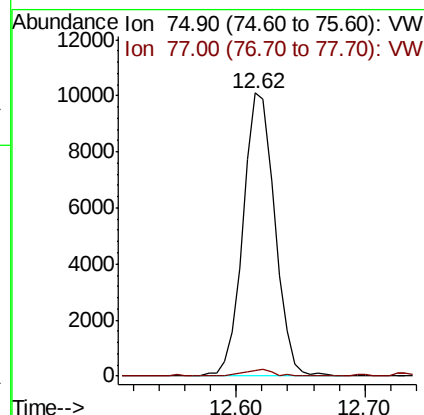
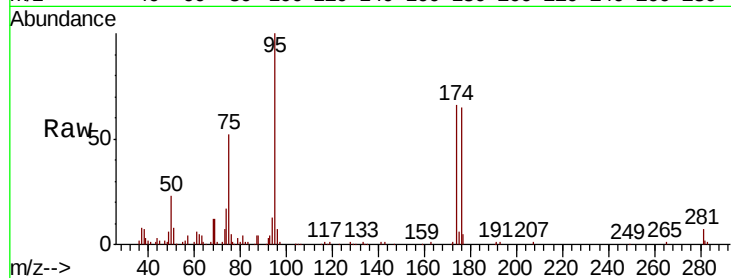




#76
 1,2,3-Trichloropropane
 Concen: 57.957 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011037.D
 Acq: 28 Jun 2019 01:21

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 17122
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.301 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011037.D
 Acq: 28 Jun 2019 01:21

Tgt Ion: 75 Resp: 17122
 Ion Ratio Lower Upper
 75 100
 53 0.3 95.6 143.4#
 89 0.0 34.4 51.6#

