

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010894.D
 Acq On : 20 Jun 2019 16:10
 Operator : SY/VA
 Sample : K3455-01
 Misc : 4.24G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:47:35 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	220178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51744	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	143713	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	104635	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.32	98	409377	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.62	95	83994	27.59	ug/l	0.00
Spiked Amount			Recovery	=	55.18%	

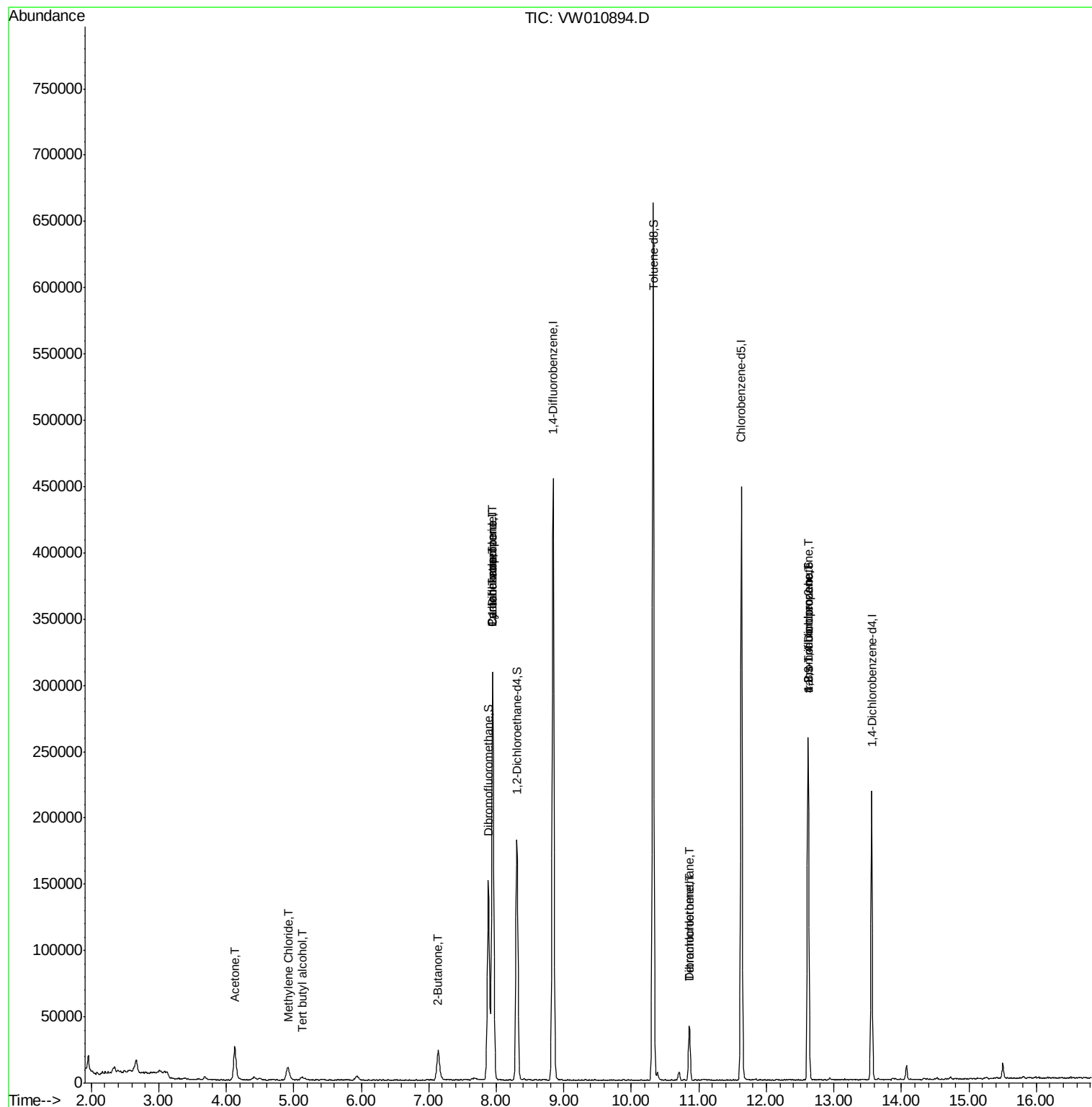
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	2071	9.796	ug/l #	72
16) Acetone	4.12	43	44788	64.409	ug/l	98
20) Methylene Chloride	4.91	84	6673	2.735	ug/l	93
25) 2-Butanone	7.15	43	1526	1.583	ug/l #	53
31) Cyclohexane	7.95	56	6084	1.162	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	20004	5.561	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22561	7.265	ug/l #	18
60) Dibromochloromethane	10.86	129	8076	4.191	ug/l #	11
64) Tetrachloroethene	10.87	164	8658	5.708	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	45590	83.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45590	192.831	ug/l #	5

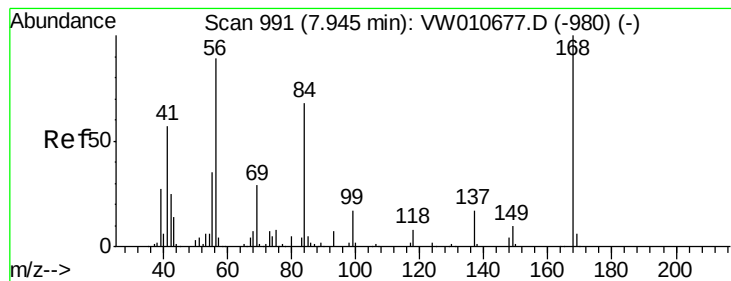
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062019\
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QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

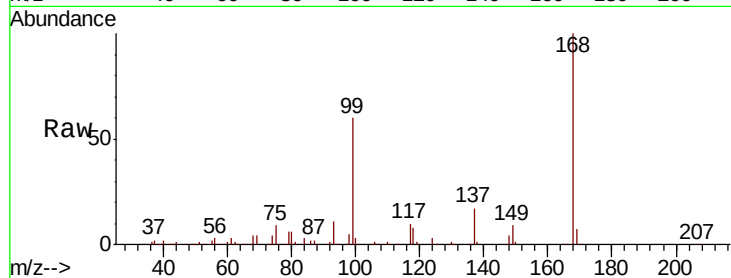
ClientSampleId :

Tot Ion:168 Resp: 220178

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

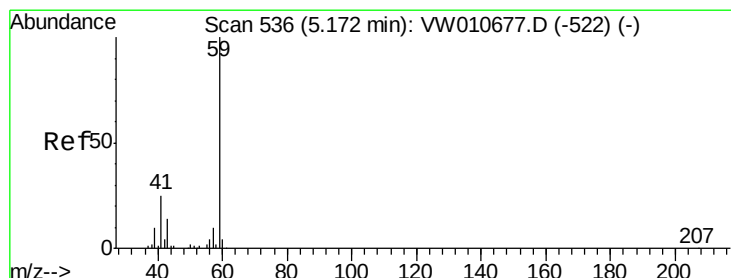
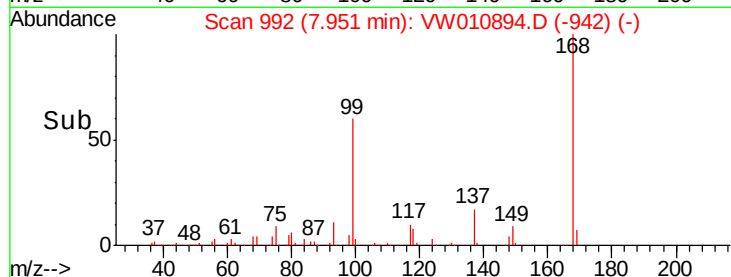
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 9.796 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW010894.D

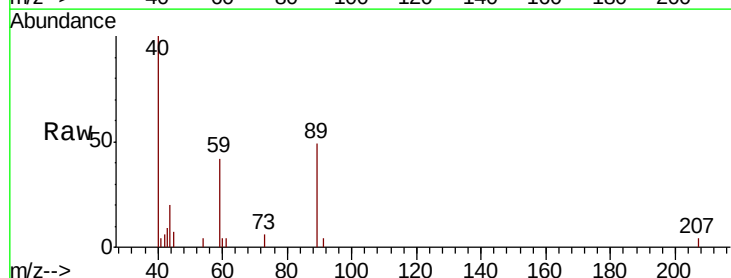
Acq: 20 Jun 2019 16:10

Tgt Ion: 59 Resp: 2071

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

5.12

800

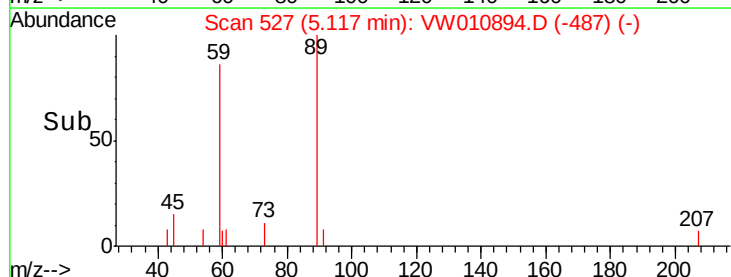
600

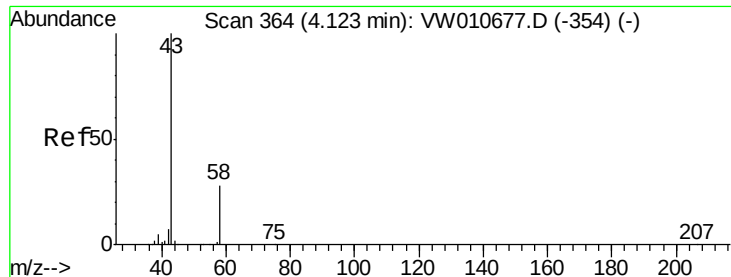
400

200

0

Time--> 5.05 5.10 5.15





#16

Acetone

Concen: 64.409 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

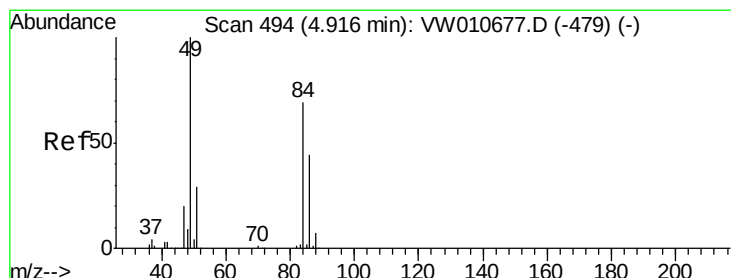
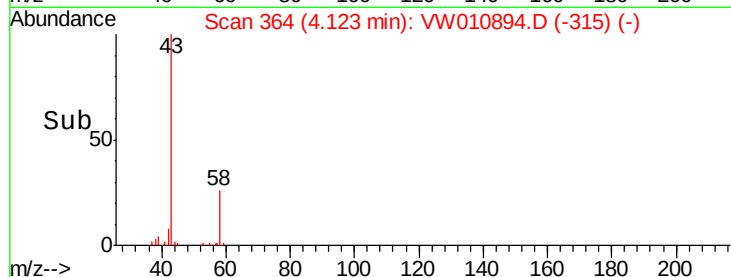
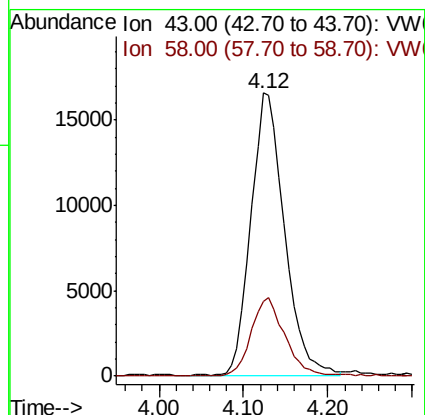
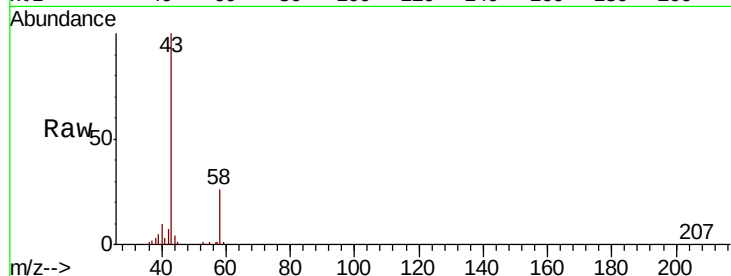
ClientSampled :

Tot Ion: 43 Resp: 44788

Ion Ratio Lower Upper

43 100

58 26.3 22.1 33.1



#20

Methylene Chloride

Concen: 2.735 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Tgt Ion: 84 Resp: 6673

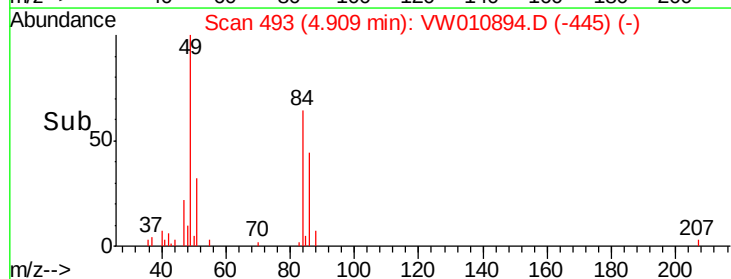
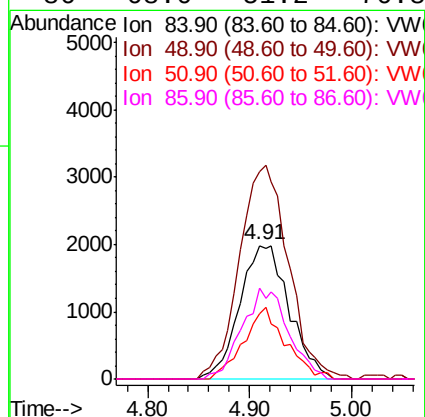
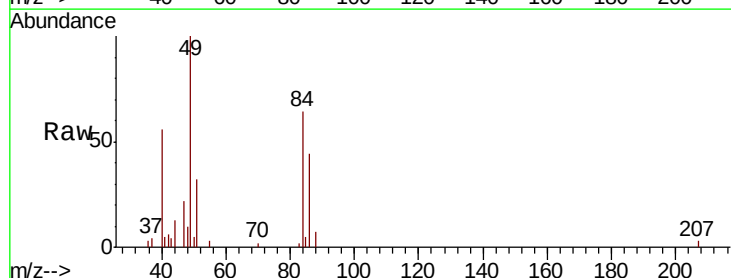
Ion Ratio Lower Upper

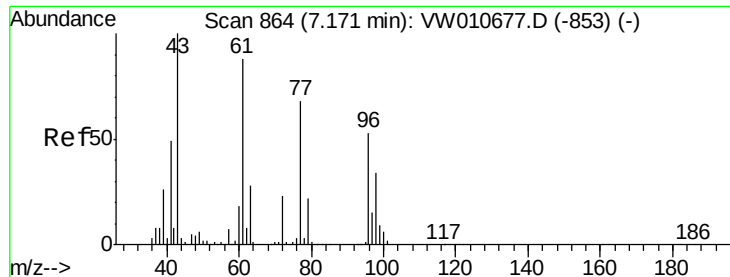
84 100

49 155.5 116.7 175.1

51 49.0 34.2 51.2

86 68.0 51.2 76.8





#25

2-Butanone

Concen: 1.583 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

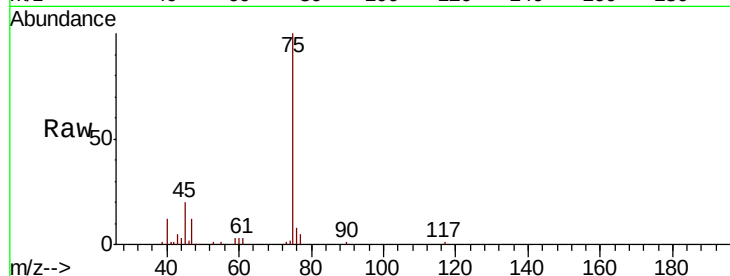
ClientSampleId :

Tot Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

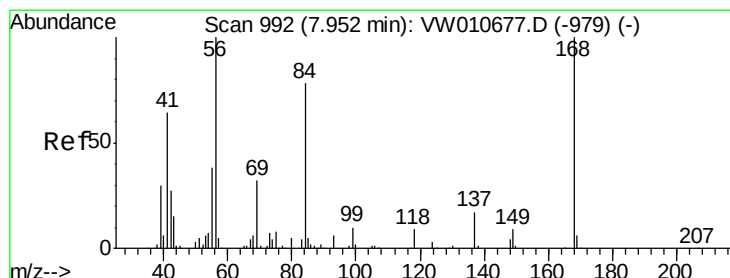
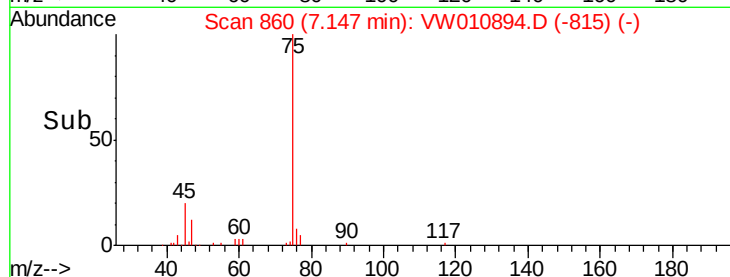
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

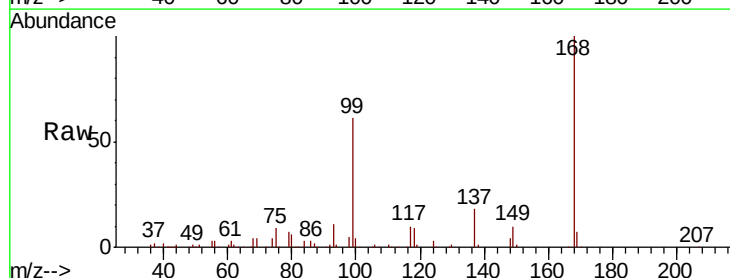
Tgt Ion: 56 Resp: 6084

Ion Ratio Lower Upper

56 100

69 161.6 25.2 37.8#

84 110.4 62.2 93.2#



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

6000

5000

4000

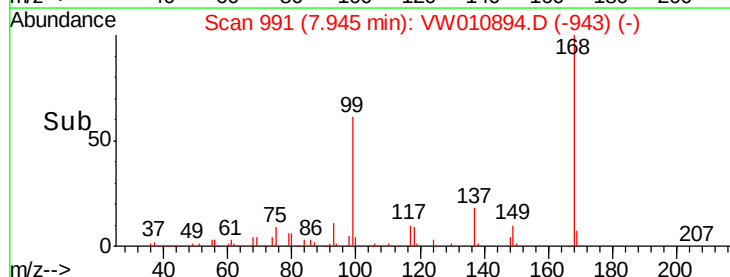
3000

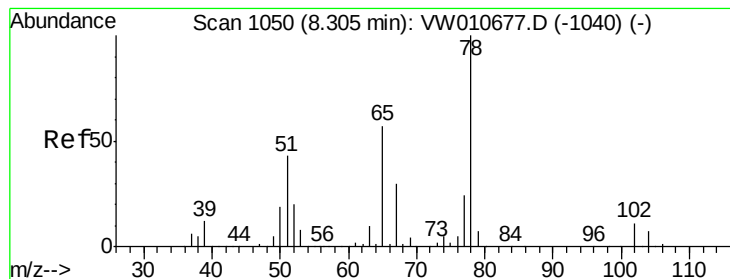
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.377 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

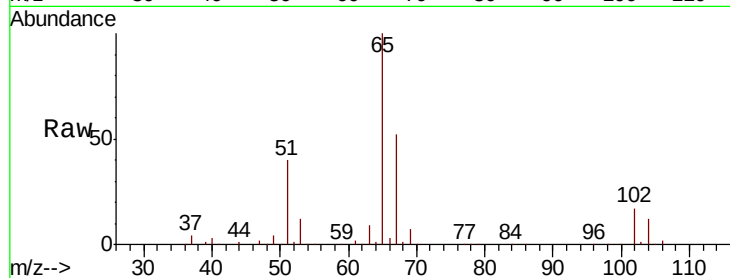
ClientSampleId :

Tot Ion: 65 Resp: 143713

Ion Ratio Lower Upper

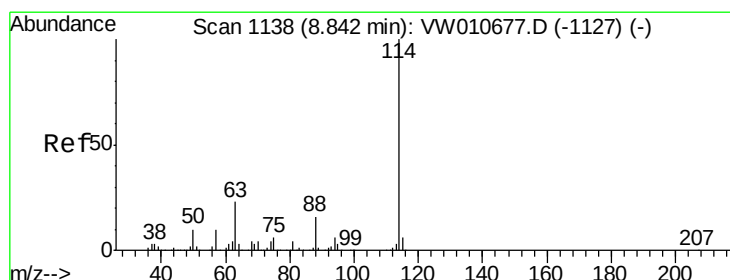
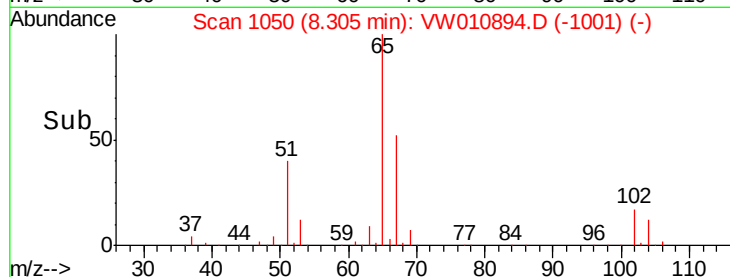
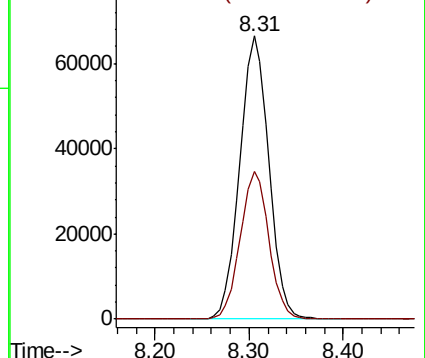
65 100

67 51.3 0.0 102.6



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: VW010894.D

Acq: 20 Jun 2019 16:10

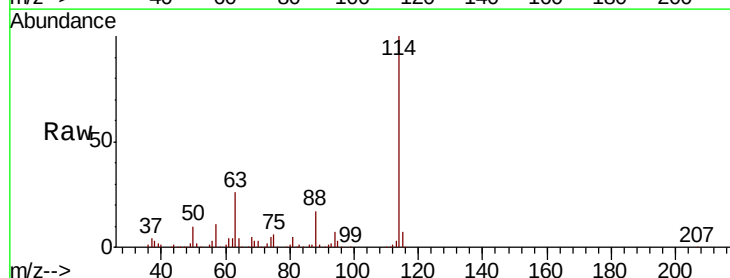
Tgt Ion: 114 Resp: 351449

Ion Ratio Lower Upper

114 100

63 25.7 0.0 46.4

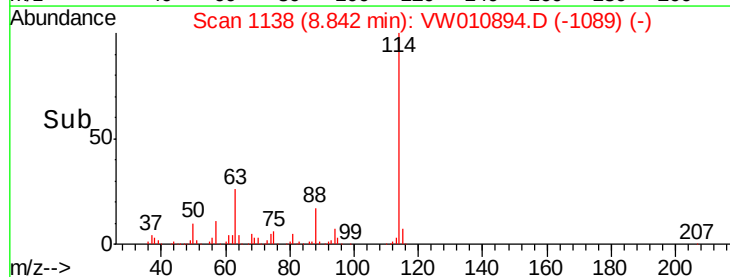
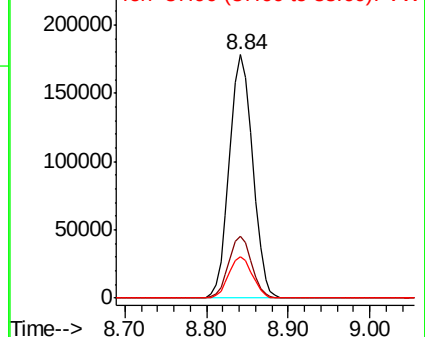
88 17.0 0.0 32.2

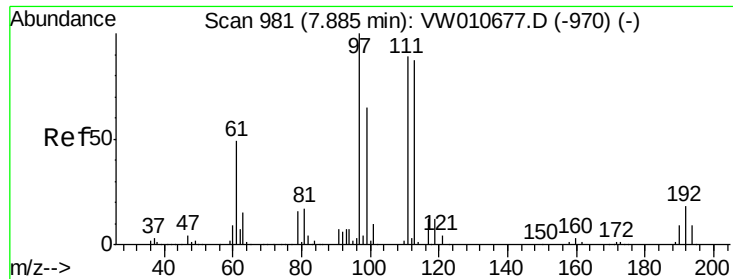


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

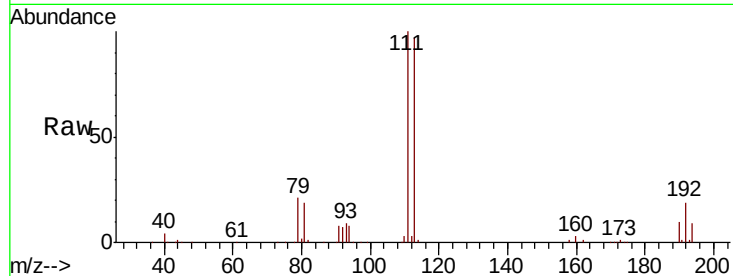




#35
 Dibromofluoromethane
 Concen: 54.852 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010894.D
 Acq: 20 Jun 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	19.3	16.4	24.6

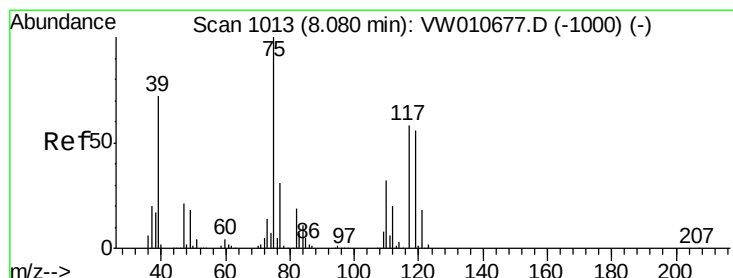
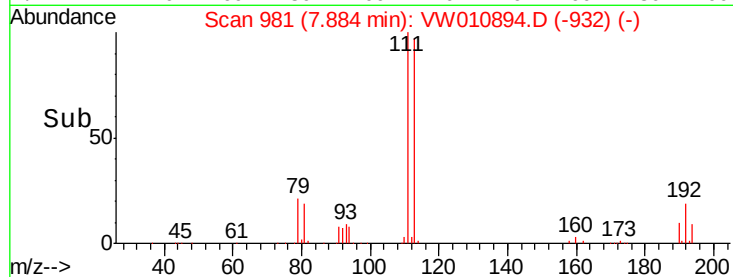
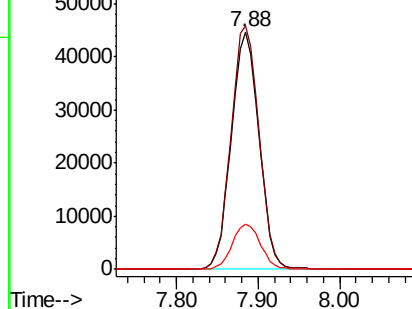


Abundance

Ion 112.80 (112.50 to 113.50): V

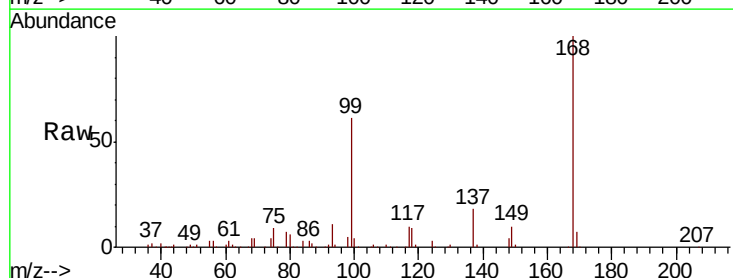
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.561 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010894.D
 Acq: 20 Jun 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.8	47.3#
77	0.0	24.7	37.1#

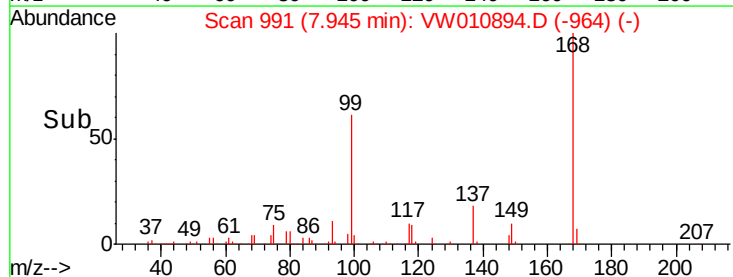
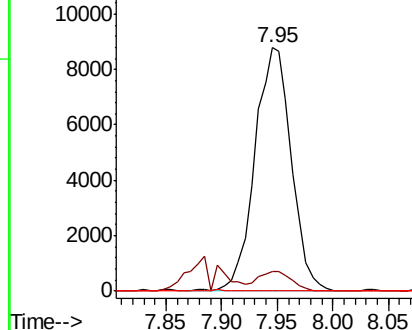


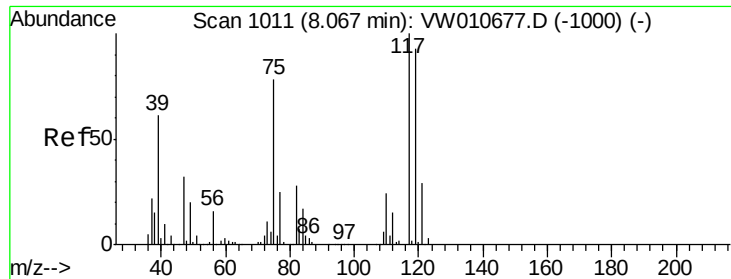
Abundance

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: 7.265 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

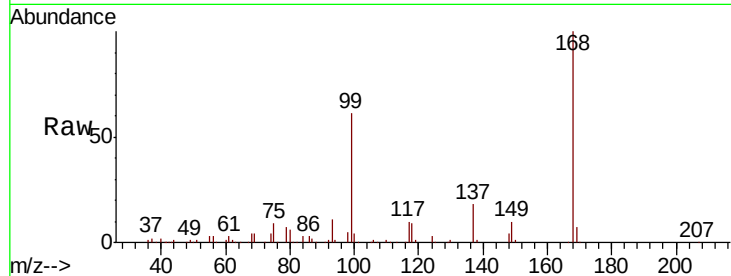
Tot Ion:117 Resp: 22561

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.4#

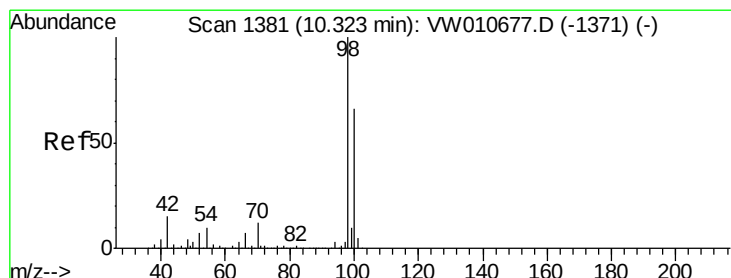
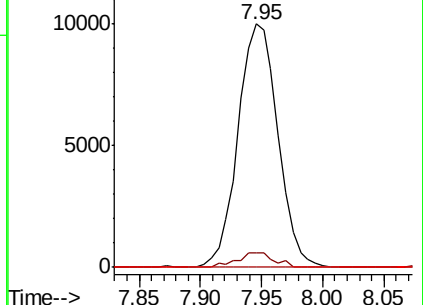
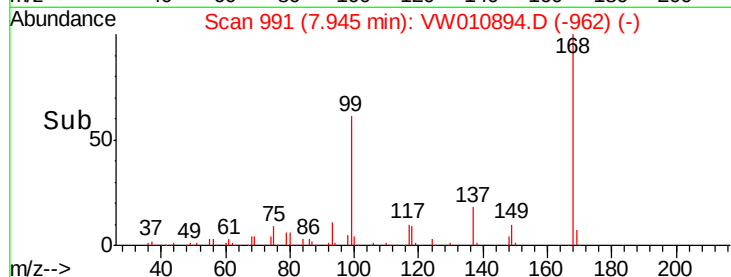
121 0.0 22.9 34.3#



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: 48.939 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010894.D

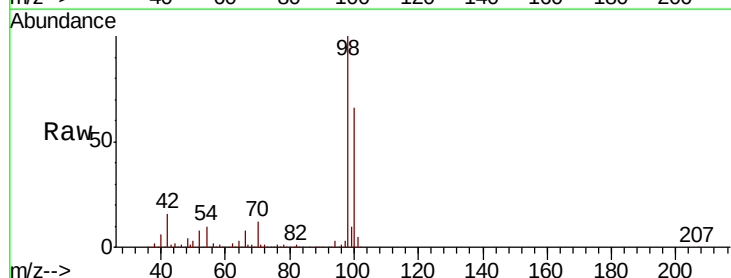
Acq: 20 Jun 2019 16:10

Tgt Ion: 98 Resp: 409377

Ion Ratio Lower Upper

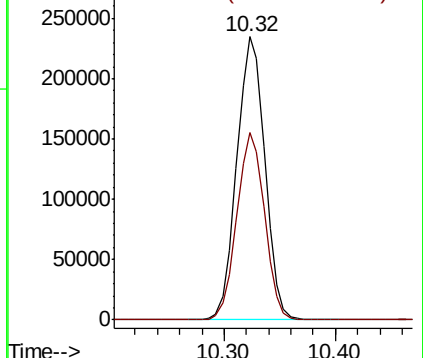
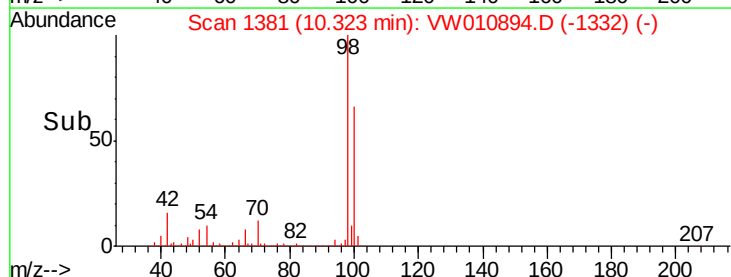
98 100

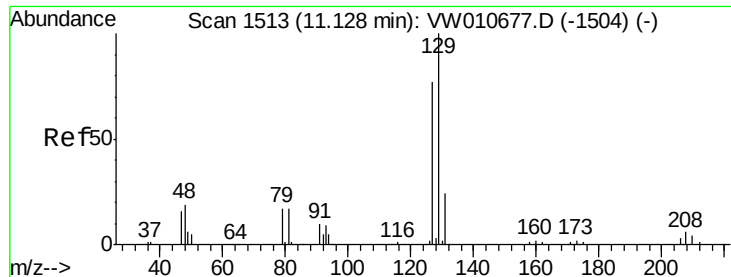
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

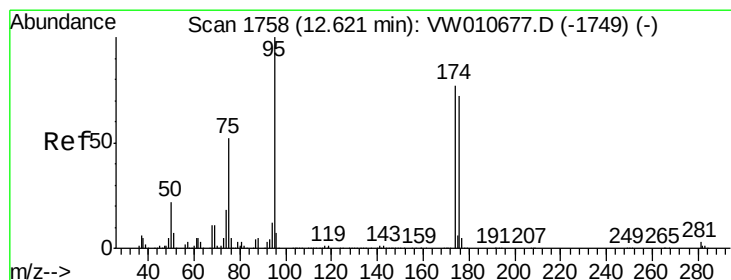
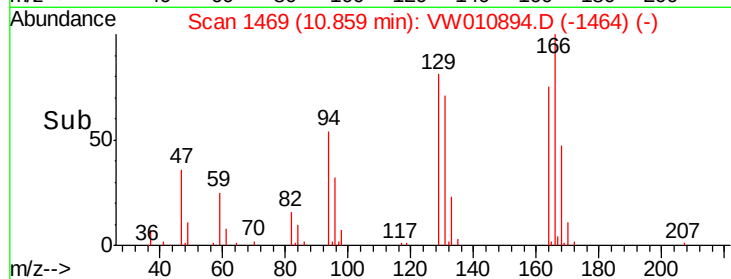
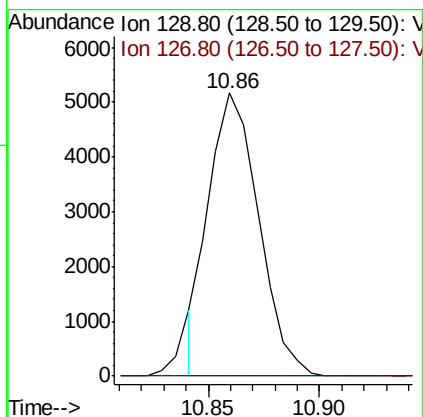
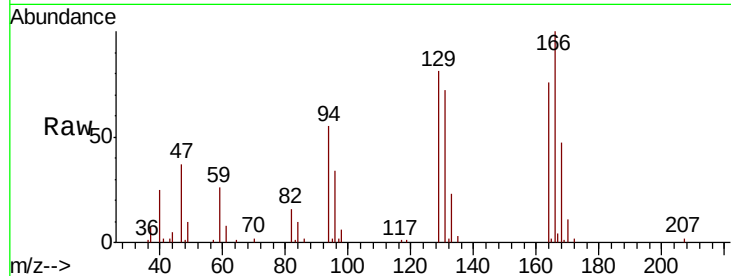




#60
 Dibromochloromethane
 Concen: 4.191 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW010894.D
 Acq: 20 Jun 2019 16:10

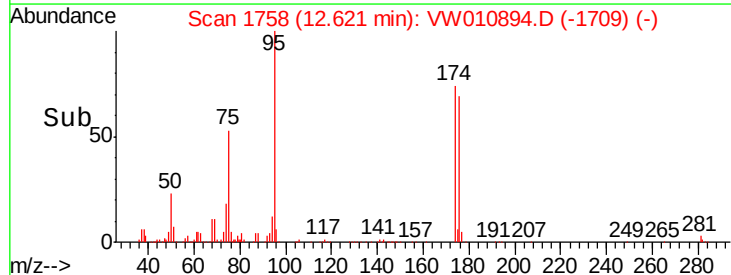
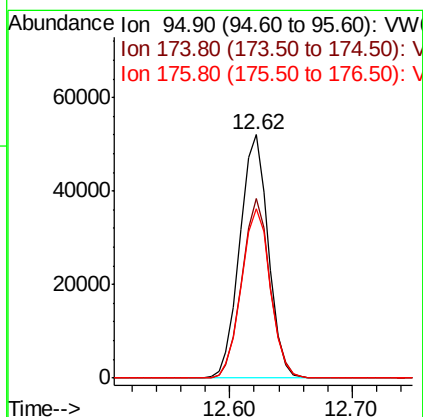
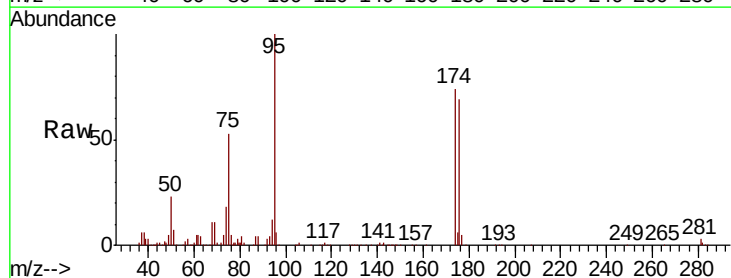
Instrument :
 MSVOA_W
 ClientSampled :

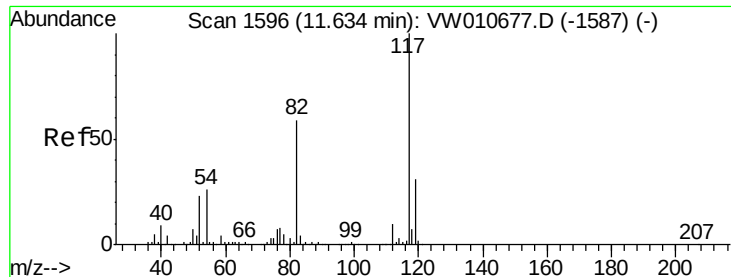
Tot Ion:129 Resp: 8076
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 27.594 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010894.D
 Acq: 20 Jun 2019 16:10

Tgt Ion: 95 Resp: 83994
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 150.4
 176 70.7 0.0 144.8

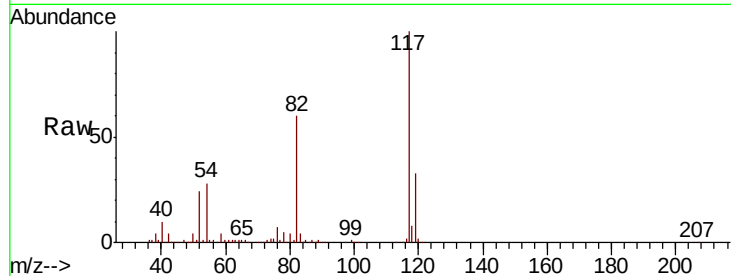




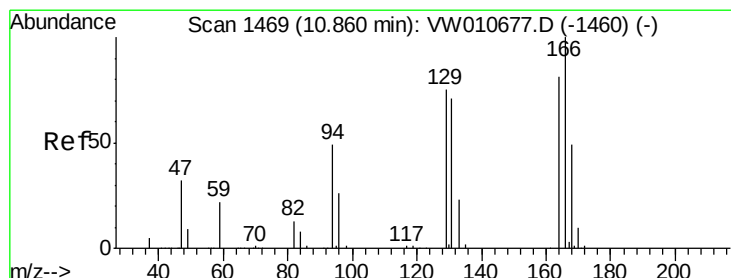
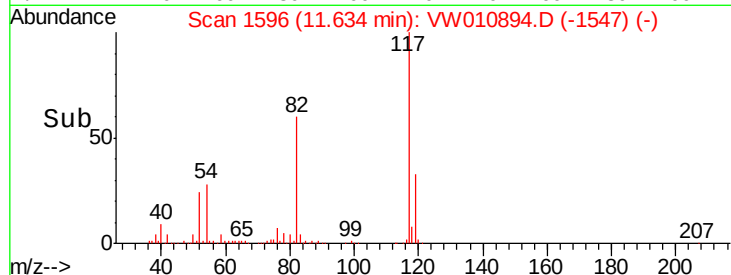
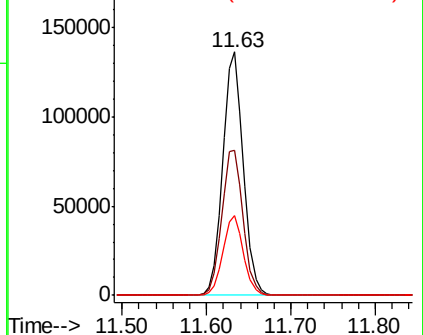
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010894.D
Acq: 20 Jun 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 228458
Ion Ratio Lower Upper
117 100
82 59.8 47.0 70.4
119 32.6 25.1 37.7

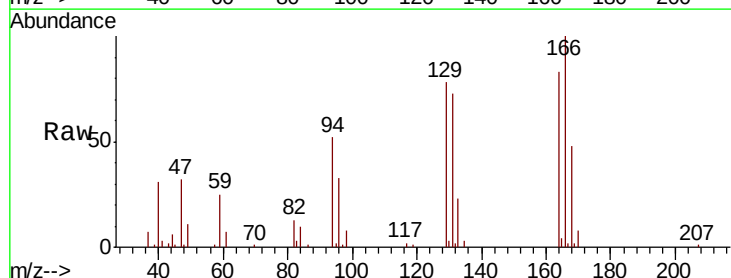


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

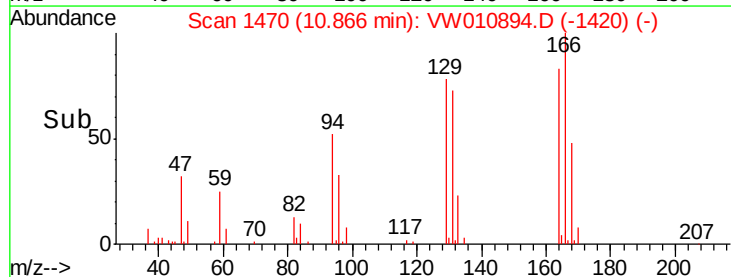
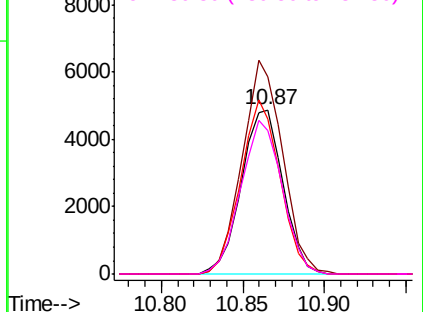


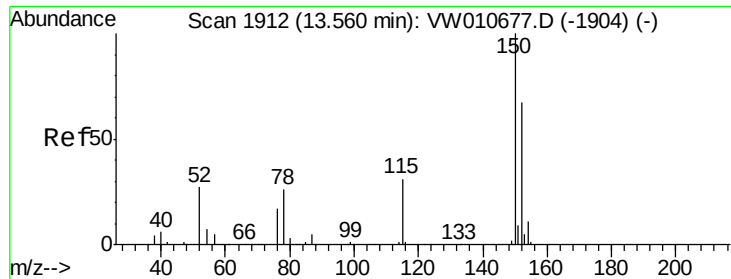
#64
Tetrachloroethene
Concen: 5.708 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010894.D
Acq: 20 Jun 2019 16:10

Tgt Ion:164 Resp: 8658
Ion Ratio Lower Upper
164 100
166 120.0 99.2 148.8
129 94.1 74.6 112.0
131 87.1 70.2 105.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



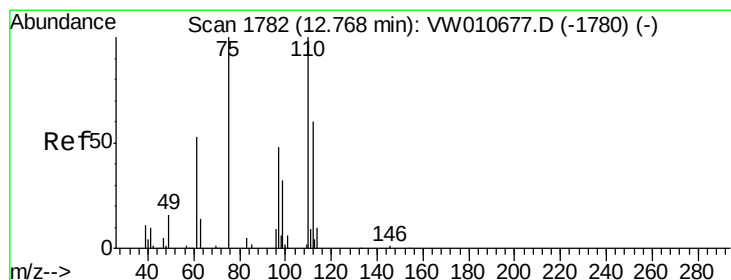
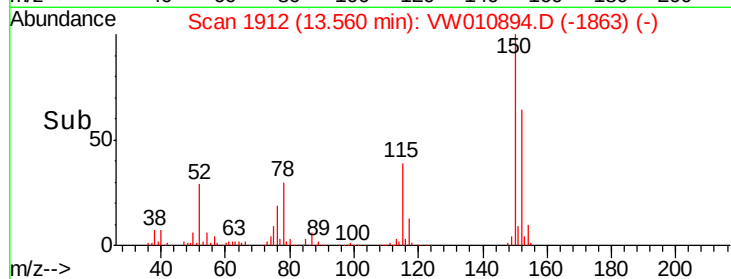
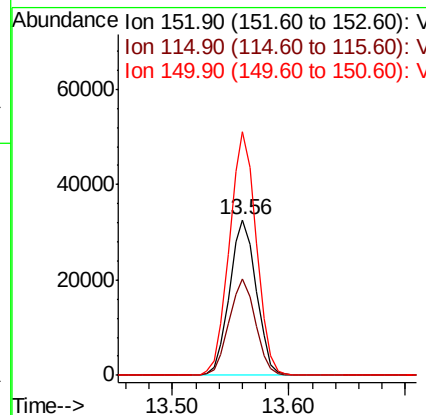
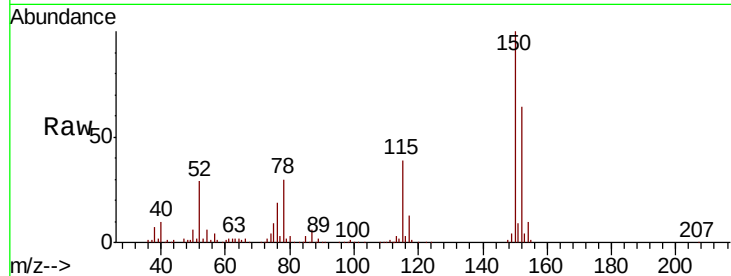


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010894.D
Acq: 20 Jun 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :

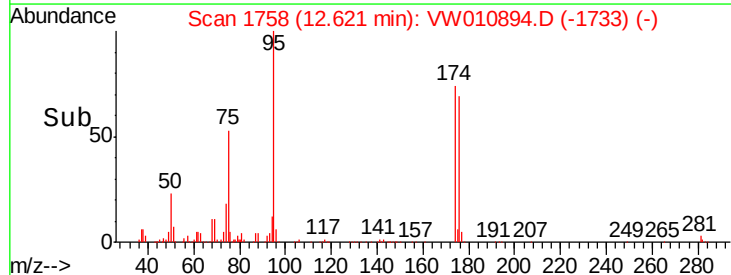
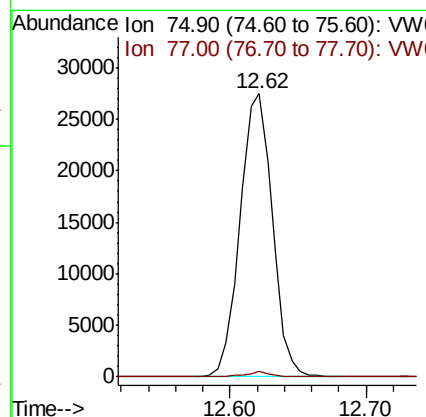
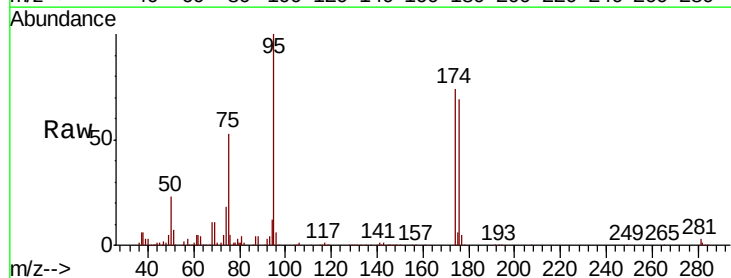
Tot Ion:152 Resp: 51744
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 157.7 0.0 345.0

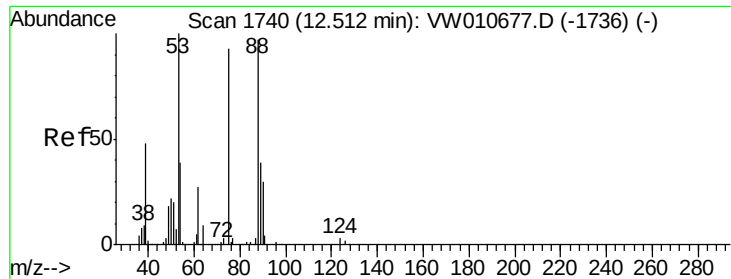


#76

1,2,3-Trichloropropane
Concen: 83.900 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010894.D
Acq: 20 Jun 2019 16:10

Tgt Ion: 75 Resp: 45590
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 192.831 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010894.D

Acq: 20 Jun 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

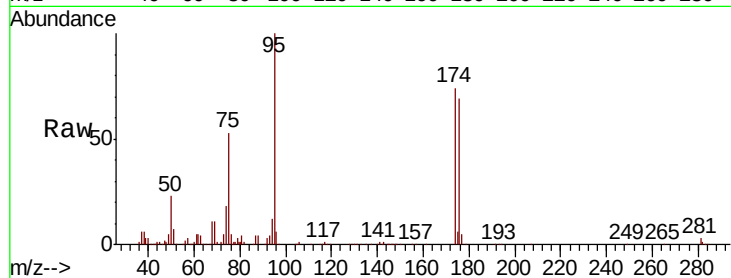
Tot Ion: 75 Resp: 45590

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

