

Data File : VW010648.D
Acq On : 31 May 2019 20:31
Operator : SY/VA
Sample : K3125-21RE
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
13903

Quant Time: Jun 01 04:54:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	273475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	86704	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
35) Dibromofluoromethane	7.88	113	80854	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.32	98	312524	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.62	95	106338	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	

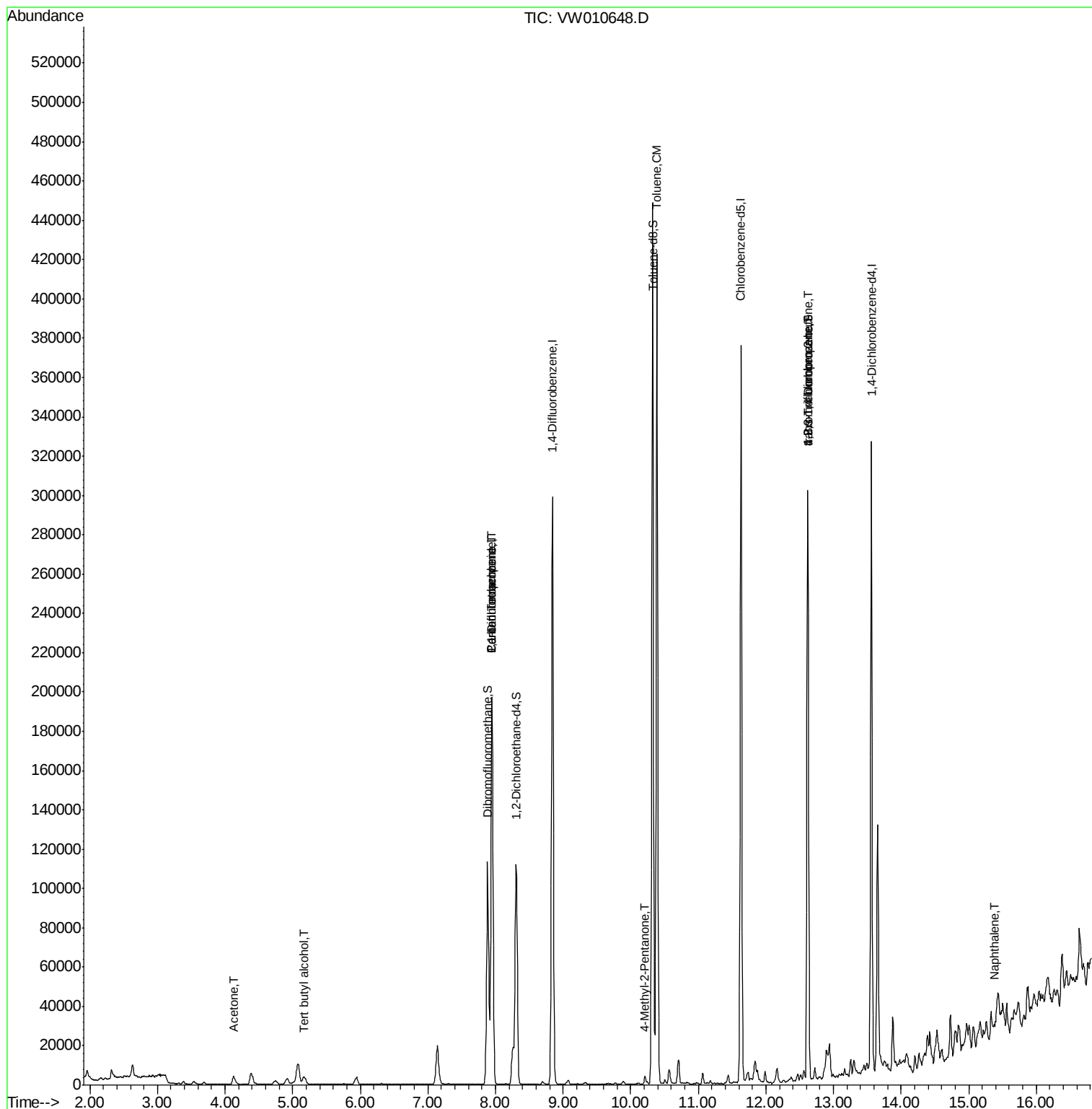
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	87	Below Cal	#	42
11) Tert butyl alcohol	5.17	59	7811	54.546	ug/l	98
13) Acrolein	4.07	56	21	Below Cal	#	13
16) Acetone	4.12	43	7781	23.944	ug/l	95
20) Methylene Chloride	4.91	84	2516	Below Cal	#	71
36) 1,1-Dichloropropene	7.95	75	11085	4.351	ug/l #	48
38) Carbon Tetrachloride	7.95	117	15699	5.713	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	3120	2.845	ug/l	93
52) Toluene	10.39	92	190554	40.072	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	48886	58.131	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	48886	121.320	ug/l #	14
95) Naphthalene	15.37	128	6473	1.723	ug/l #	94

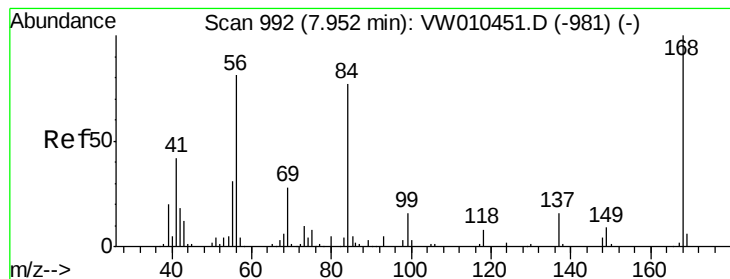
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

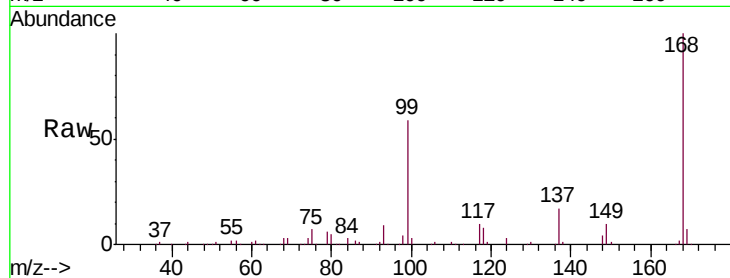
13903

Tgt Ion:168 Resp: 154238

Ion Ratio Lower Upper

168 100

99 58.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

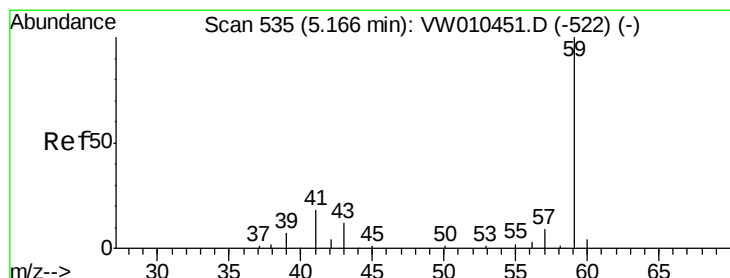
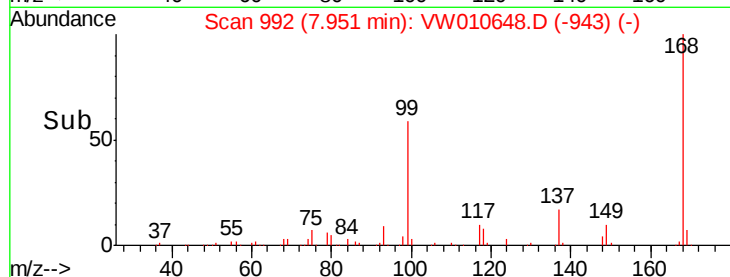
20000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 54.546 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010648.D

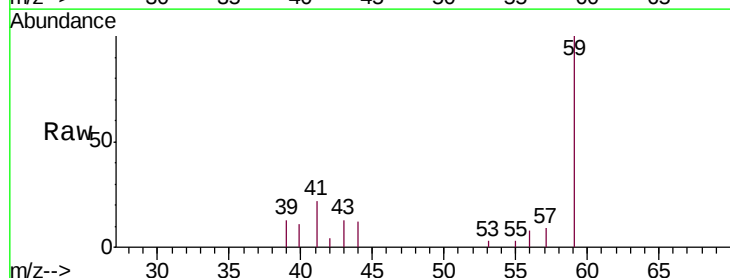
Acq: 31 May 2019 20:31

Tgt Ion: 59 Resp: 7811

Ion Ratio Lower Upper

59 100

57 11.7 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

2000

1500

1000

500

0

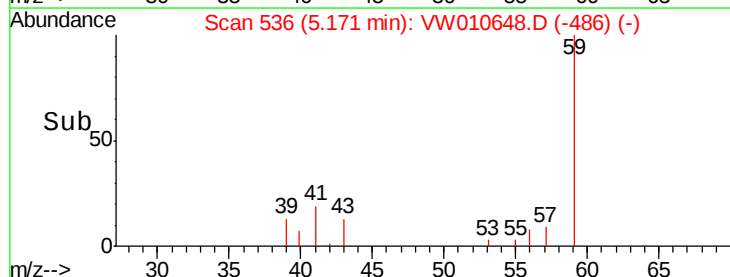
Time-->

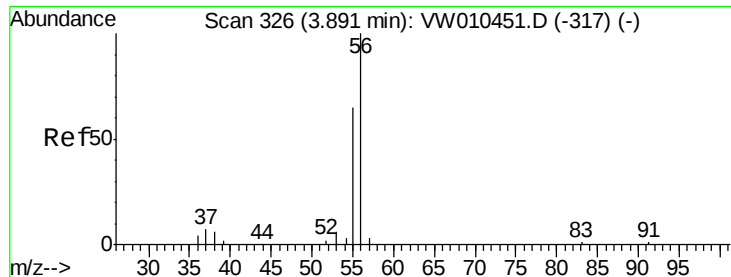
5.00

5.10

5.20

5.30





#13

Acrolein

Concen: Below Cal

RT: 4.07 min Scan# 355

Delta R.T. 0.18 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

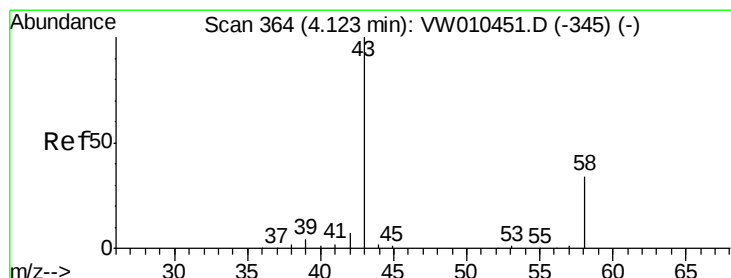
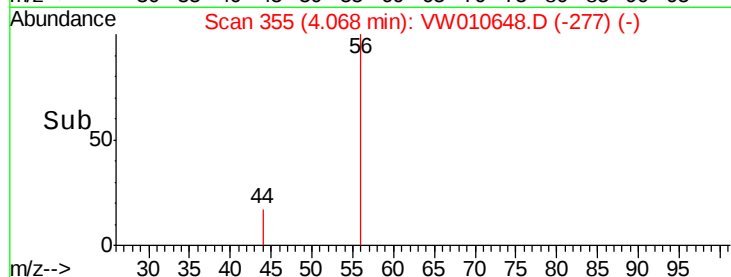
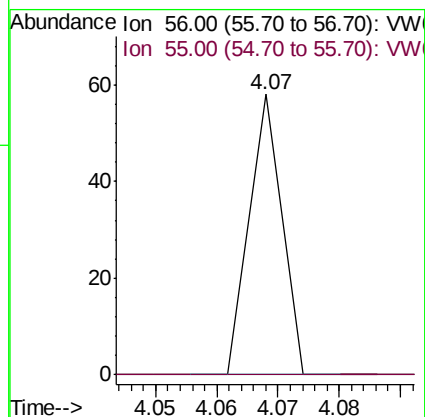
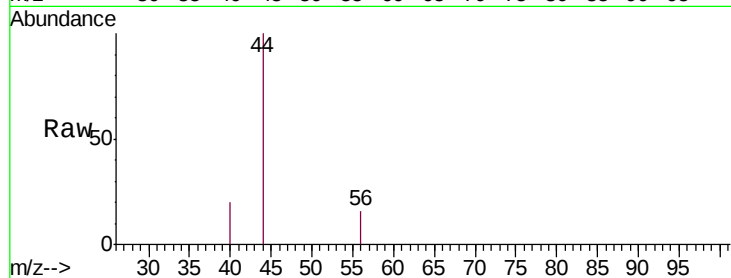
13903

Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 23.944 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010648.D

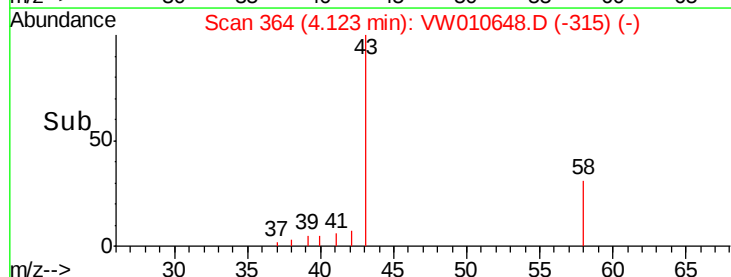
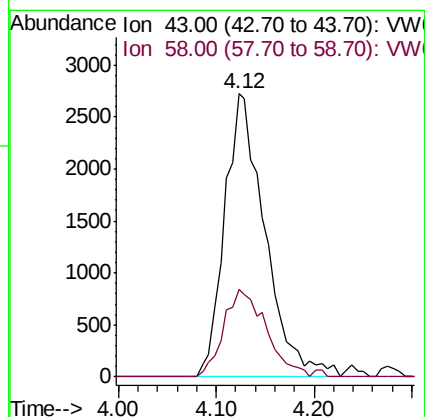
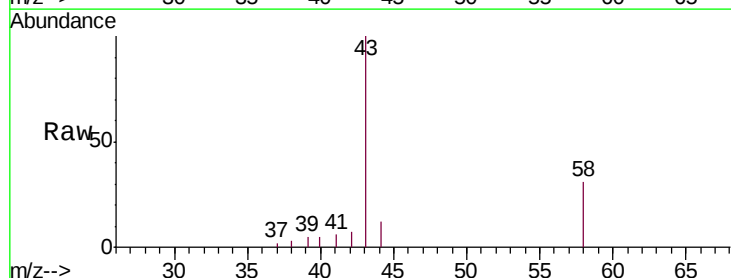
Acq: 31 May 2019 20:31

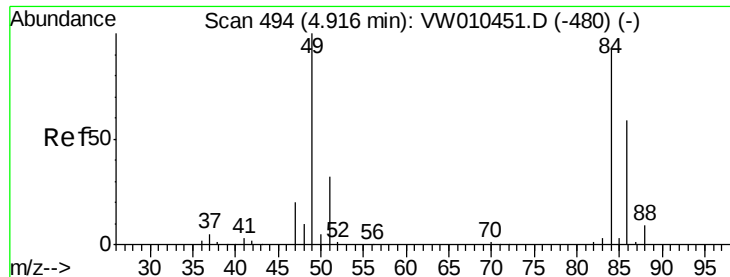
Tgt Ion: 43 Resp: 7781

Ion Ratio Lower Upper

43 100

58 30.8 27.0 40.4

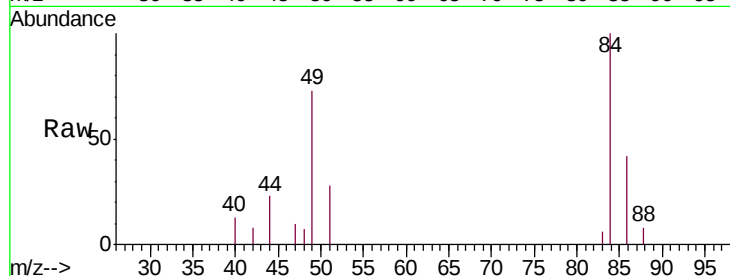




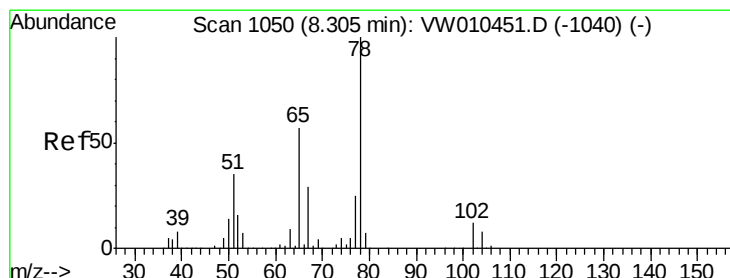
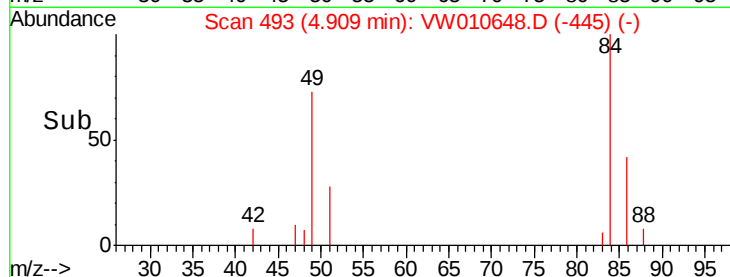
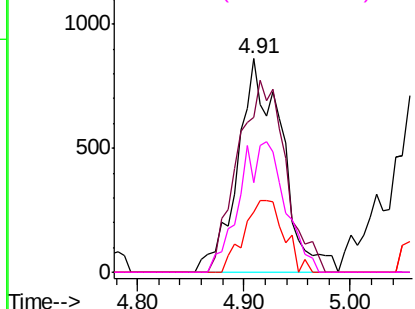
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
13903

Tgt Ion: 84 Resp: 2516
Ion Ratio Lower Upper
84 100
49 72.8 87.2 130.8#
51 28.5 27.7 41.5
86 42.2 51.4 77.0#

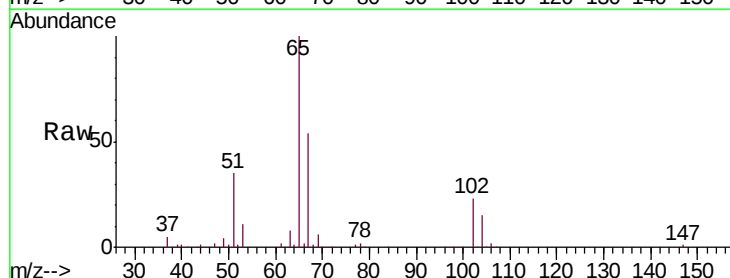


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

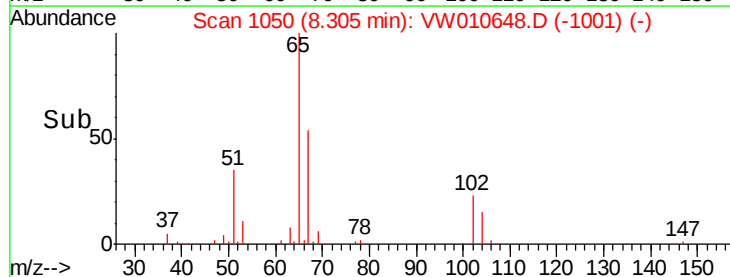
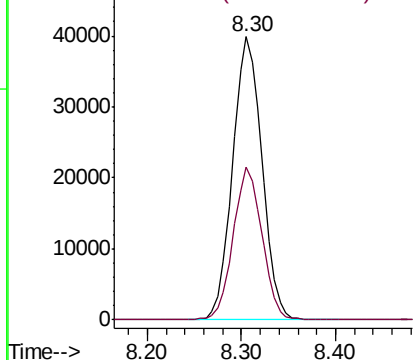


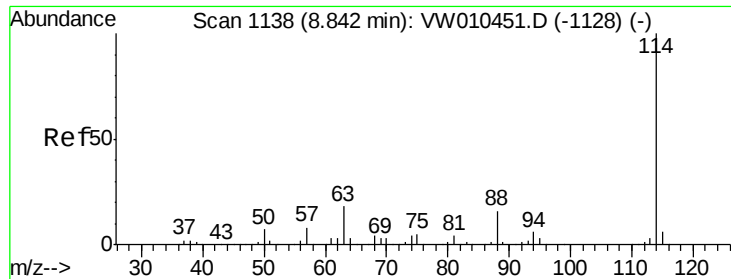
#33
1,2-Dichloroethane-d4
Concen: 54.462 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Tgt Ion: 65 Resp: 86704
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

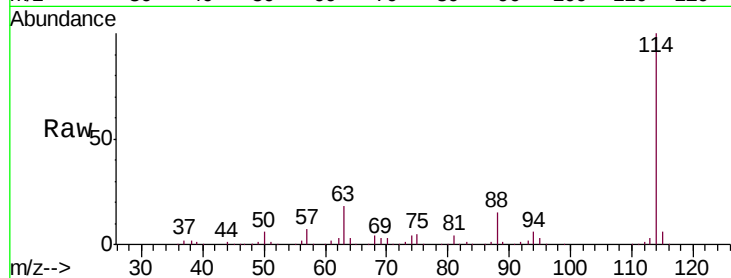




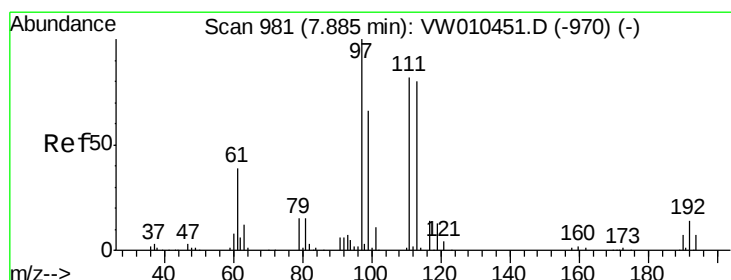
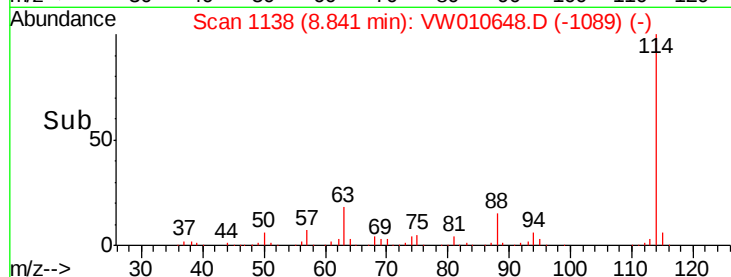
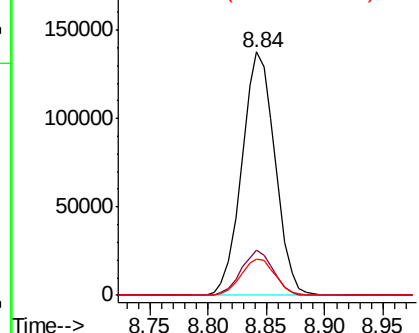
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Instrument :
MSVOA_W
ClientSampleId :
13903

Tgt Ion:114 Resp: 273475
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.0
88 15.1 0.0 32.0

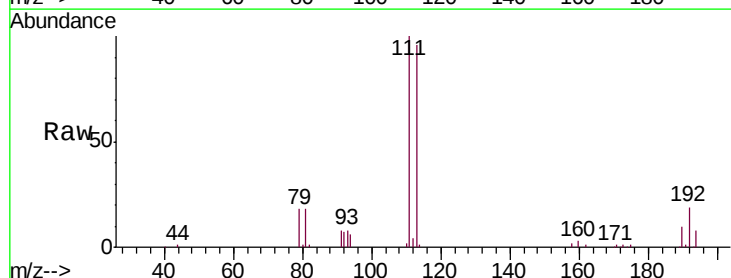


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

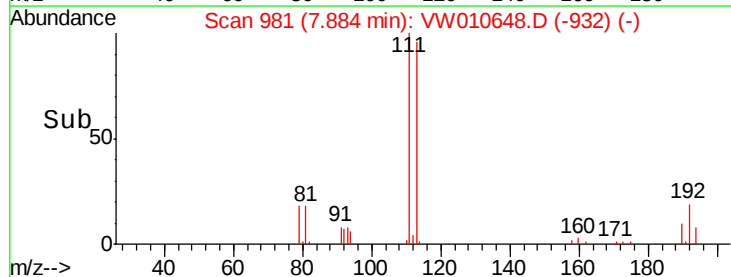
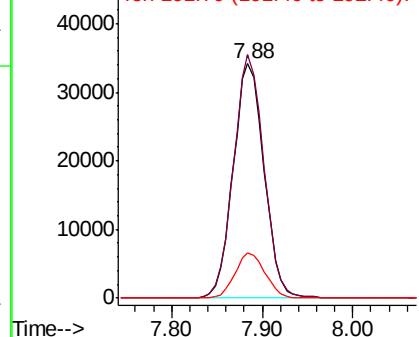


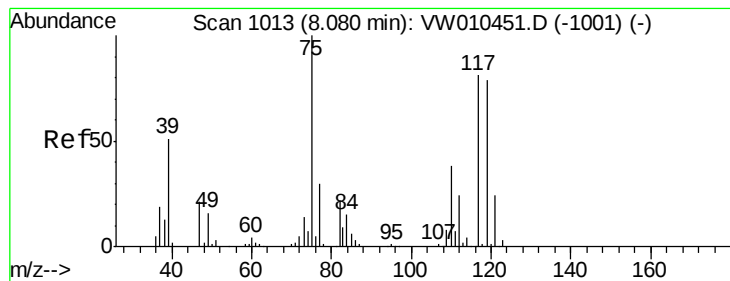
#35
Dibromofluoromethane
Concen: 48.725 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Tgt Ion:113 Resp: 80854
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 18.7 14.3 21.5



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: 4.351 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

13903

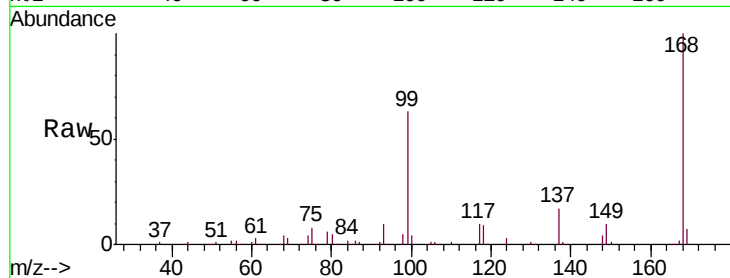
Tgt Ion: 75 Resp: 11085

Ion Ratio Lower Upper

75 100

110 8.8 19.2 57.6#

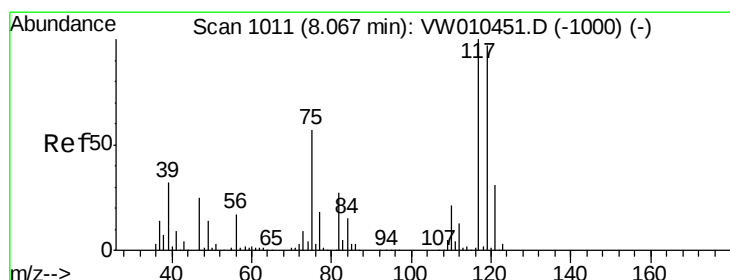
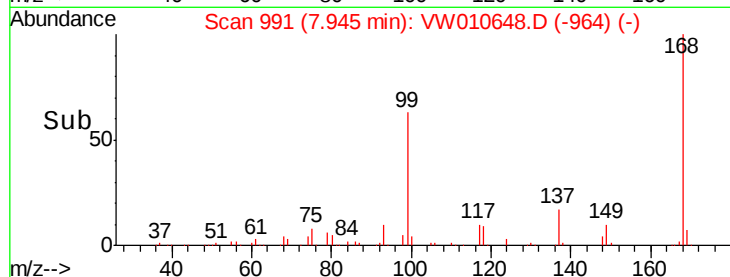
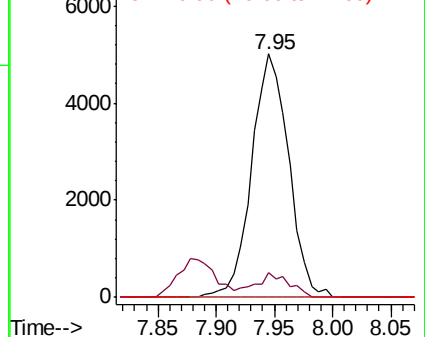
77 0.0 25.2 37.8#



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: 5.713 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

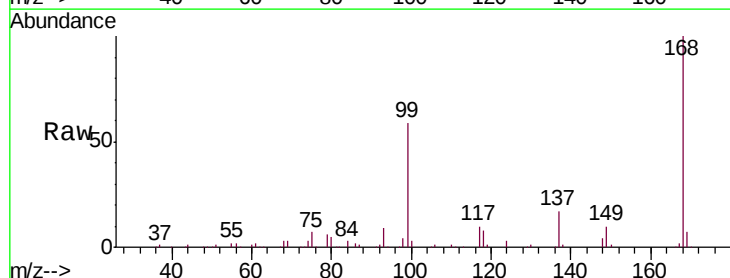
Tgt Ion: 117 Resp: 15699

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

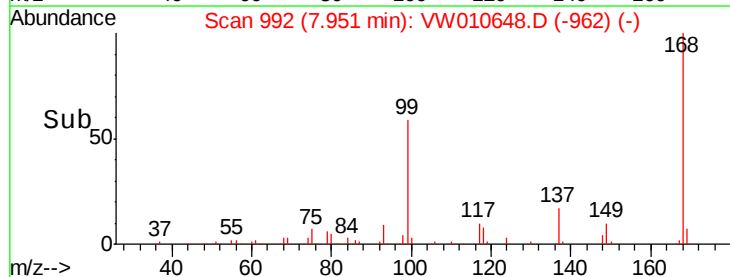
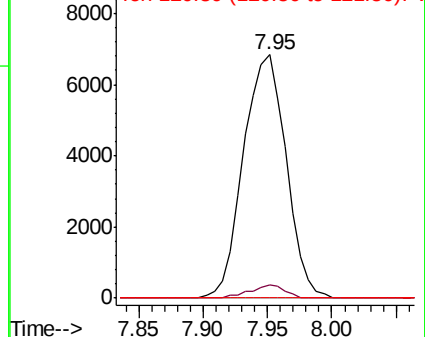
121 0.0 25.0 37.6#

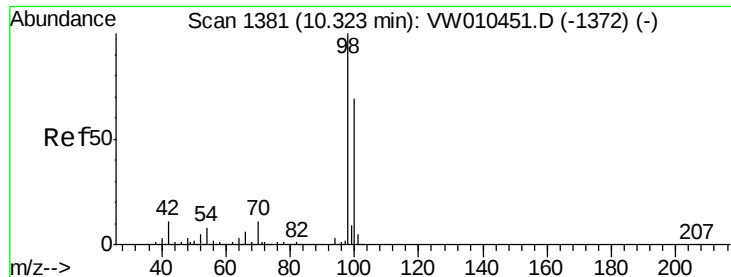


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.300 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampled :

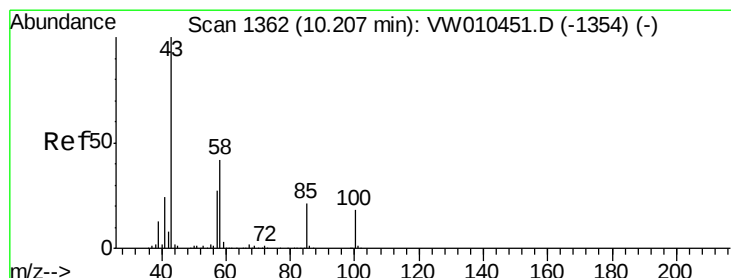
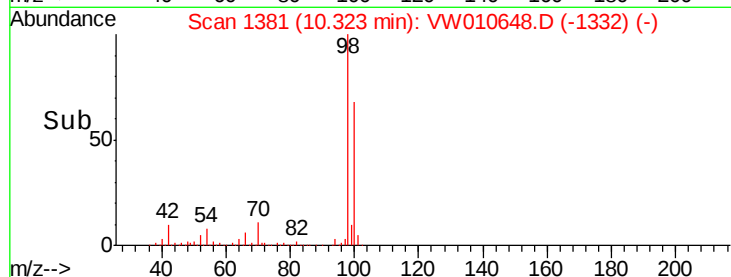
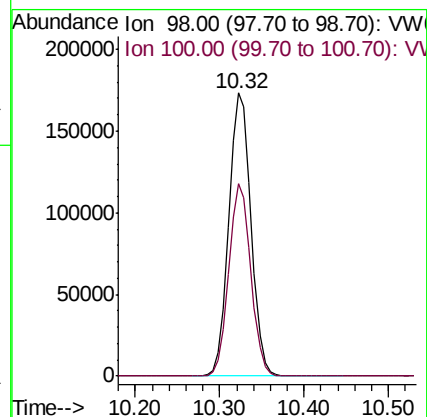
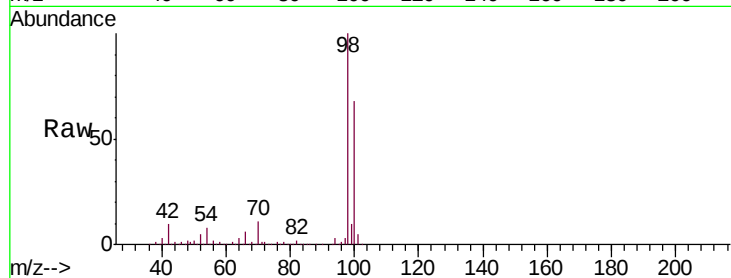
13903

Tgt Ion: 98 Resp: 312524

Ion Ratio Lower Upper

98 100

100 67.4 53.7 80.5



#51

4-Methyl-2-Pentanone

Concen: 2.845 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010648.D

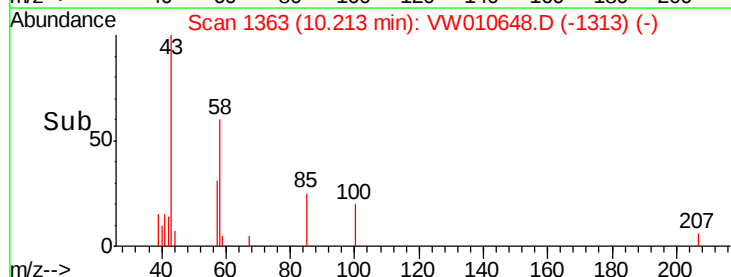
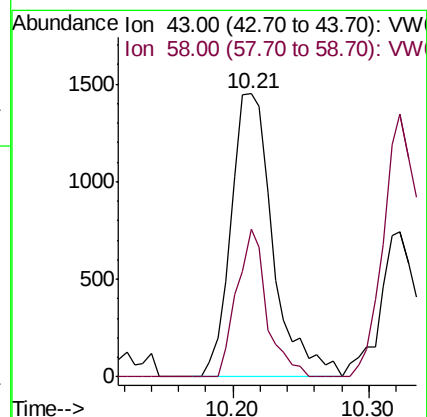
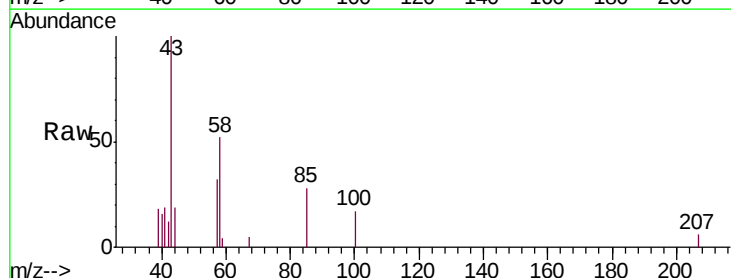
Acq: 31 May 2019 20:31

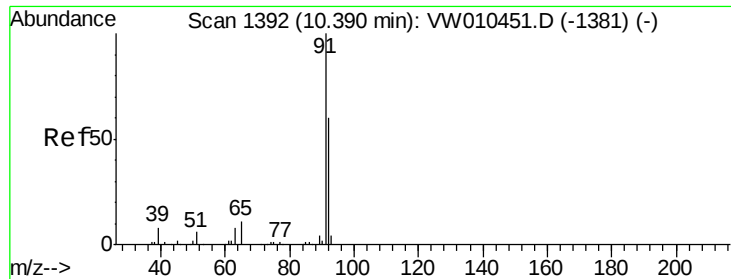
Tgt Ion: 43 Resp: 3120

Ion Ratio Lower Upper

43 100

58 37.2 33.2 49.8





#52

Toluene

Concen: 40.072 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

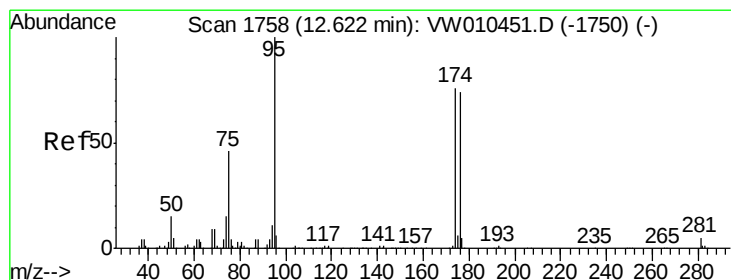
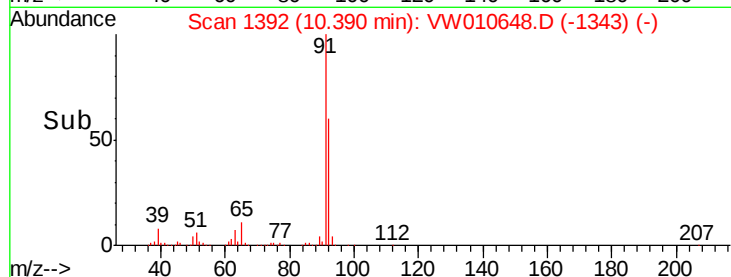
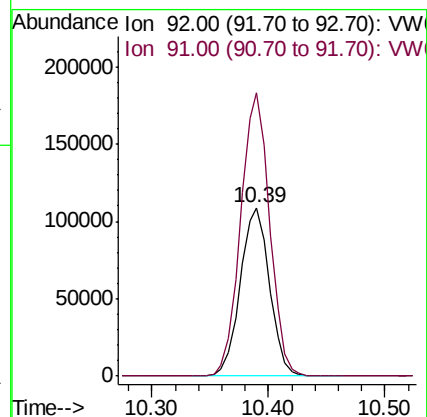
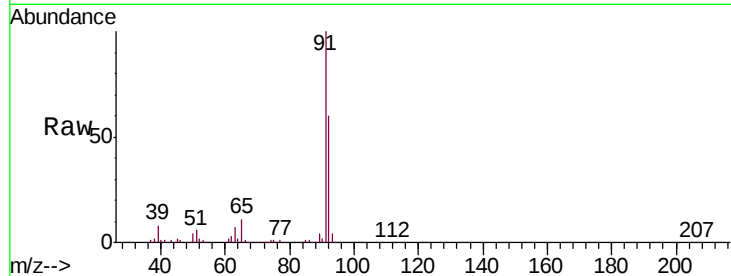
13903

Tgt Ion: 92 Resp: 190554

Ion Ratio Lower Upper

92 100

91 166.5 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 42.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

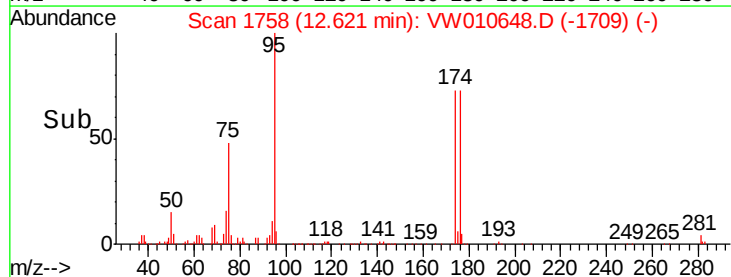
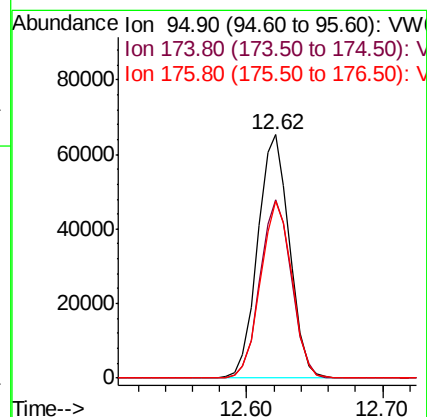
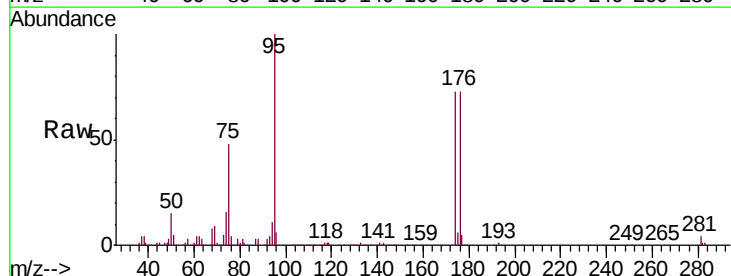
Tgt Ion: 95 Resp: 106338

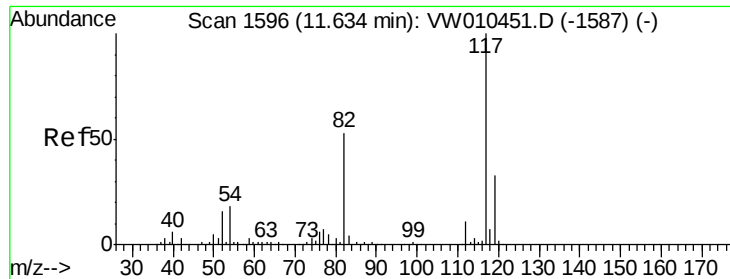
Ion Ratio Lower Upper

95 100

174 73.2 0.0 148.6

176 72.1 0.0 144.2

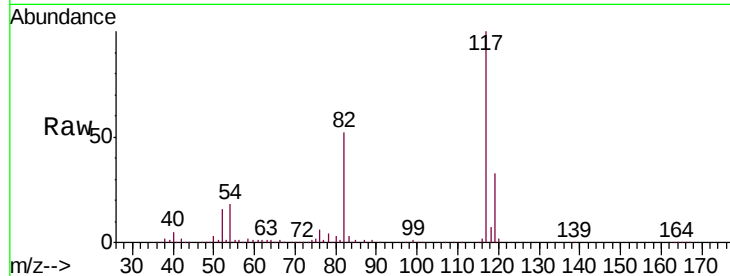




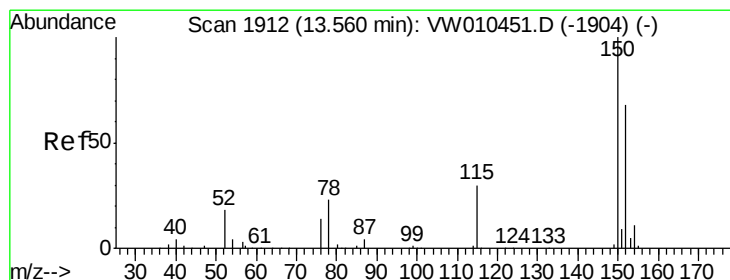
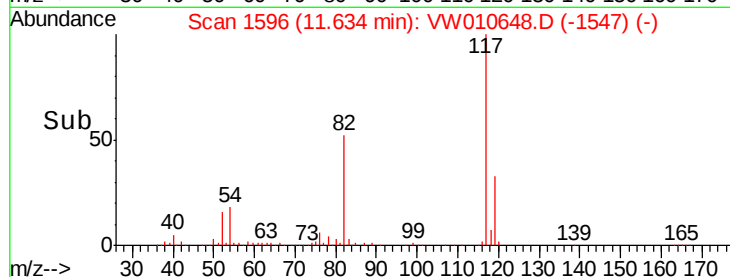
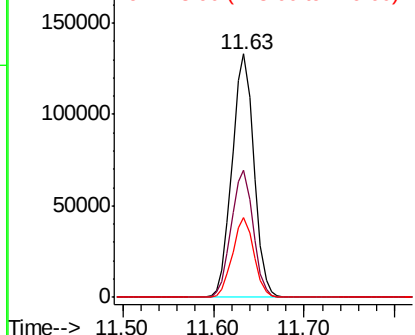
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Instrument :
MSVOA_W
ClientSampled :
13903

Tgt Ion:117 Resp: 223223
Ion Ratio Lower Upper
117 100
82 52.3 42.8 64.2
119 32.6 26.3 39.5

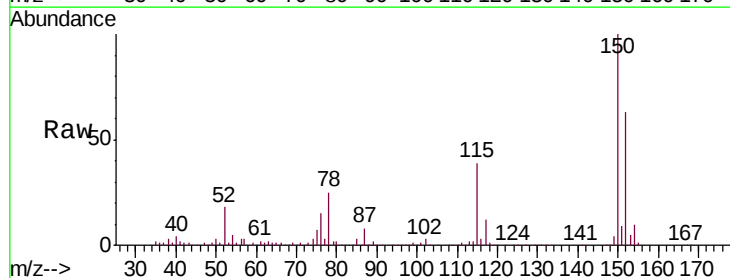


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

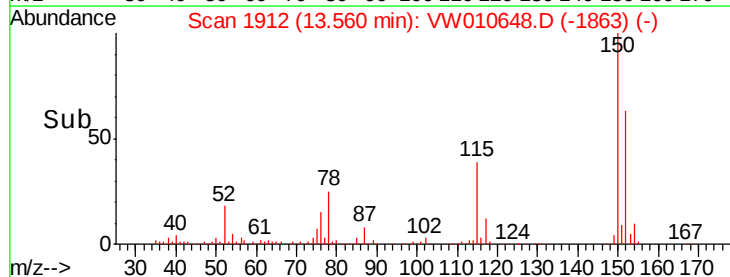
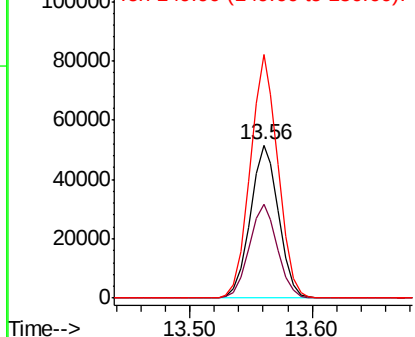


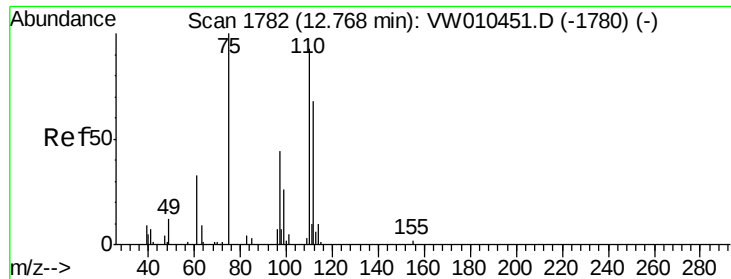
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010648.D
Acq: 31 May 2019 20:31

Tgt Ion:152 Resp: 82849
Ion Ratio Lower Upper
152 100
115 60.8 30.3 91.0
150 155.6 0.0 349.8



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: 58.131 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

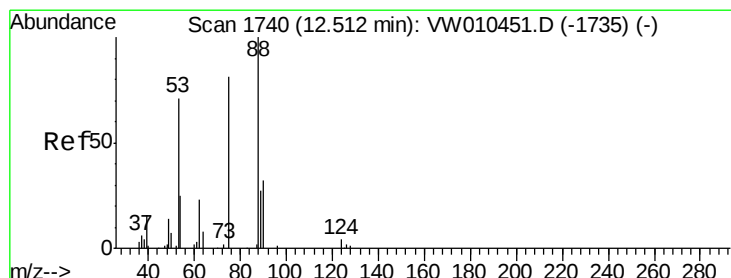
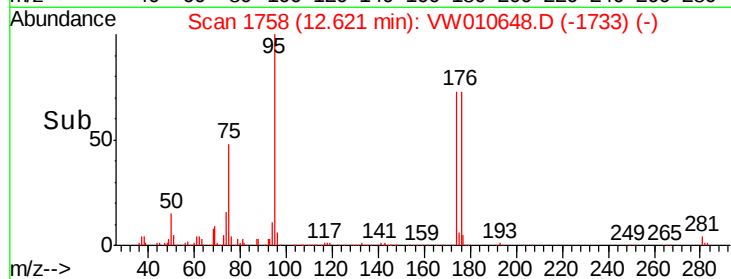
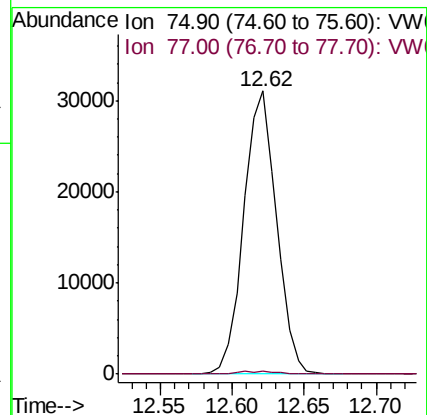
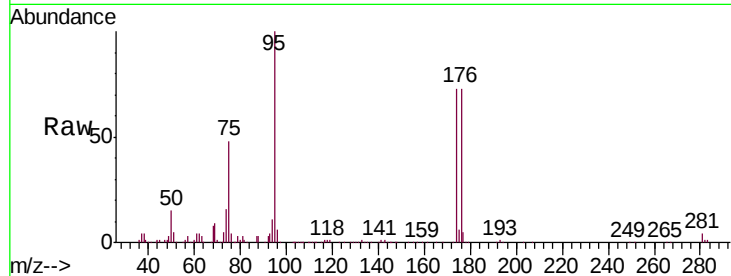
13903

Tgt Ion: 75 Resp: 48886

Ion Ratio Lower Upper

75 100

77 1.2 170.0 510.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.320 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

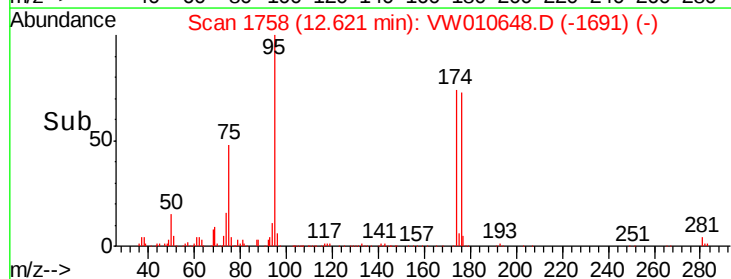
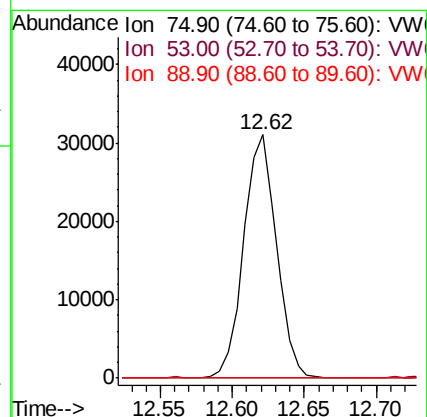
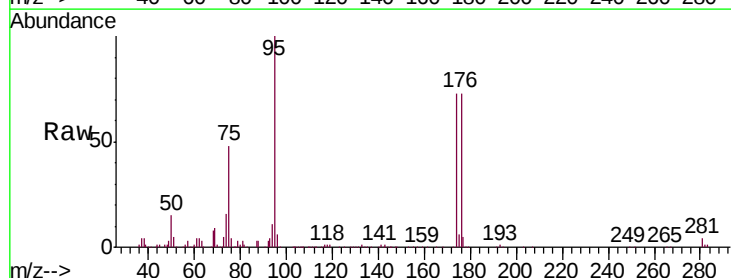
Tgt Ion: 75 Resp: 48886

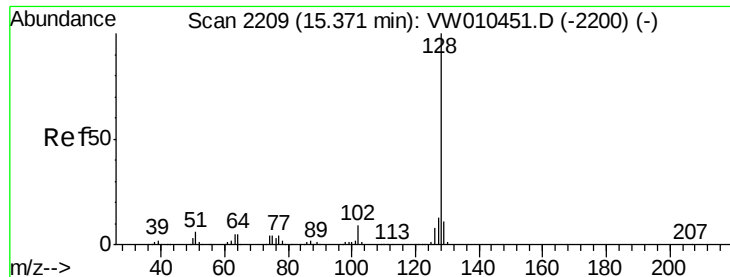
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 1.723 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010648.D

Acq: 31 May 2019 20:31

Instrument :

MSVOA_W

ClientSampleId :

13903

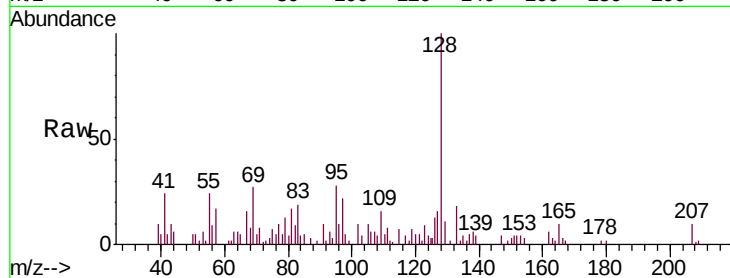
Tgt Ion:128 Resp: 6473

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 16.0 8.9 13.3#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

