

Data File : VW011152.D
Acq On : 03 Jul 2019 20:45
Operator : SY/VA
Sample : K3622-03
Misc : 7.05G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OR-02-070319-B

Quant Time: Jul 04 03:54:57 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	184393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	250520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128342	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.88	113	97193	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.32	98	382053	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.62	95	112253	38.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.54%	

Target Compounds

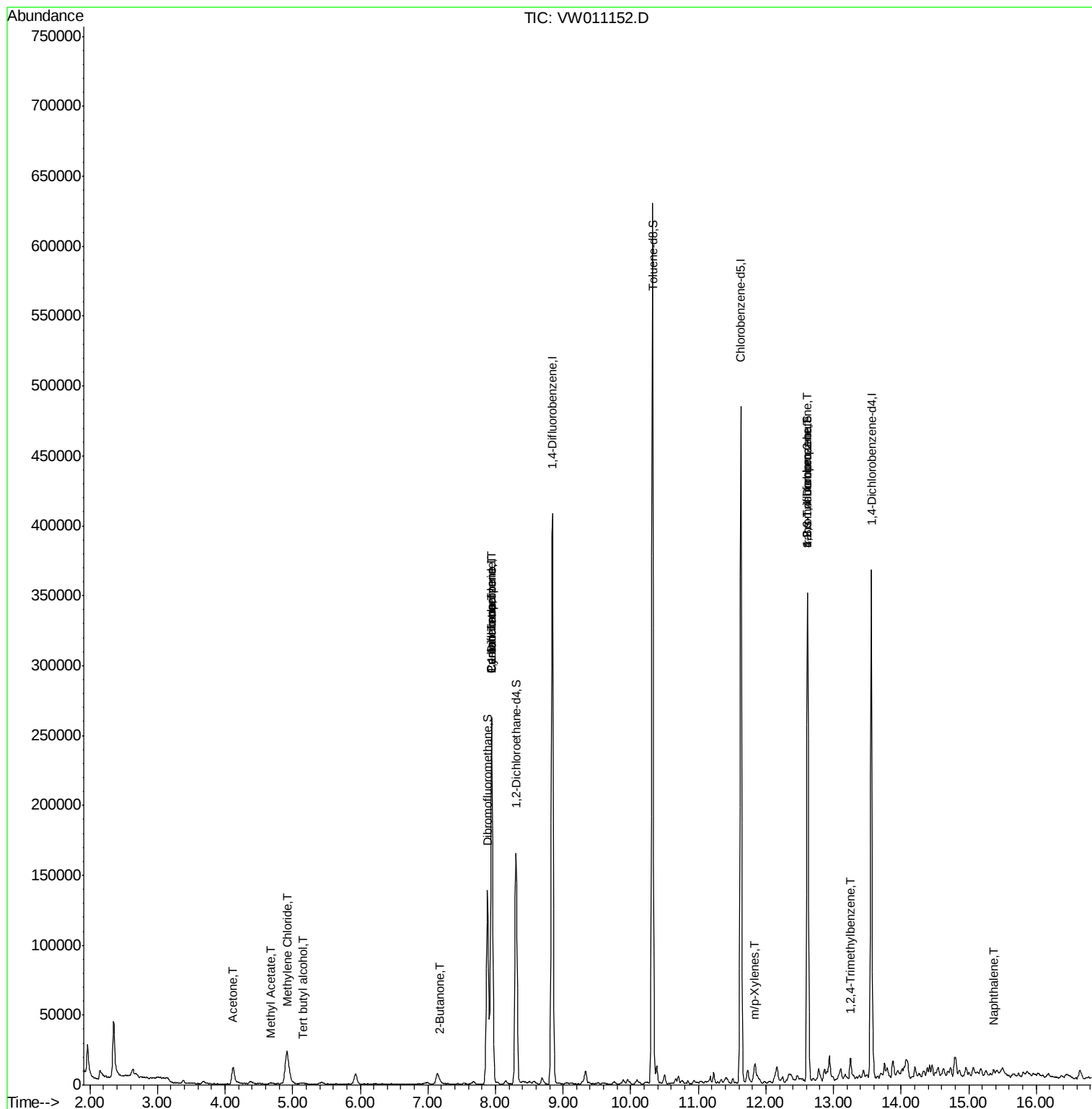
						Qvalue
11) Tert butyl alcohol	5.17	59	188	1.074	ug/l #	71
16) Acetone	4.12	43	23725	40.322	ug/l	98
18) Methyl Acetate	4.67	43	1625	1.066	ug/l	98
20) Methylene Chloride	4.92	84	19661	8.224	ug/l	96
25) 2-Butanone	7.18	43	3831	4.283	ug/l	97
31) Cyclohexane	7.94	56	6096	1.322	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	16808	4.902	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19482	6.899	ug/l #	16
68) m/p-Xylenes	11.84	106	3697	1.037	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	60279	65.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60279	132.143	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.26	105	8125	1.454	ug/l	100
95) Naphthalene	15.37	128	4361	1.295	ug/l	99

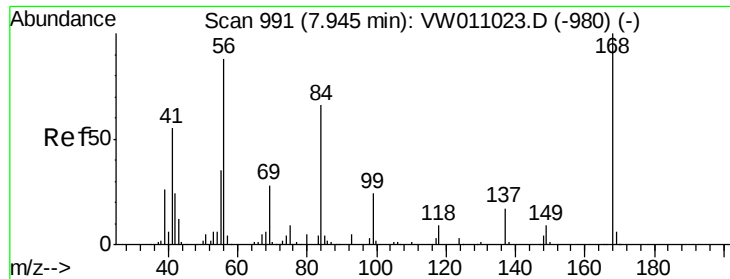
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

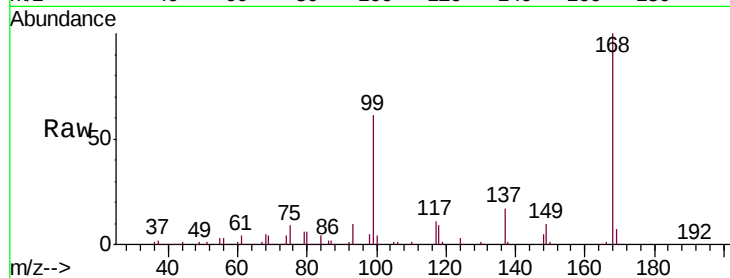
OR-02-070319-B

Tgt Ion:168 Resp: 184393

Ion Ratio Lower Upper

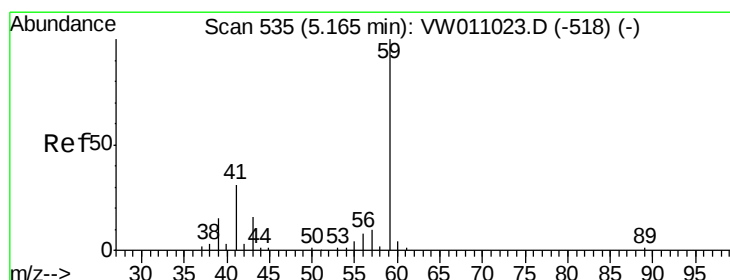
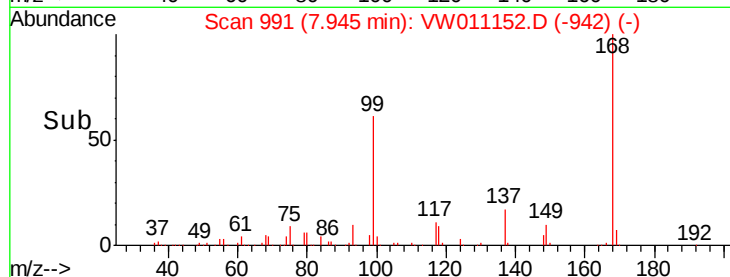
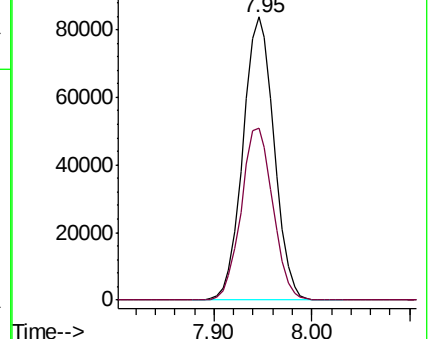
168 100

99 60.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.074 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW011152.D

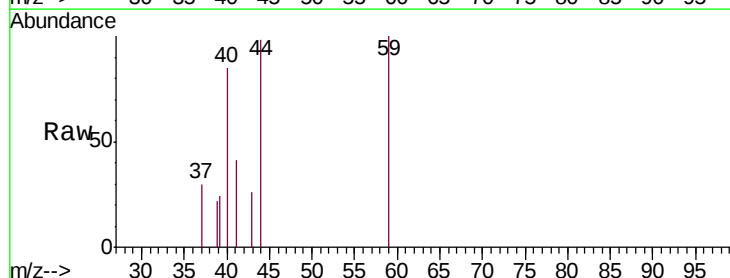
Acq: 03 Jul 2019 20:45

Tgt Ion: 59 Resp: 188

Ion Ratio Lower Upper

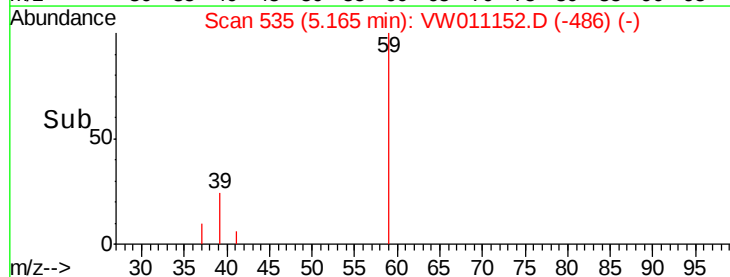
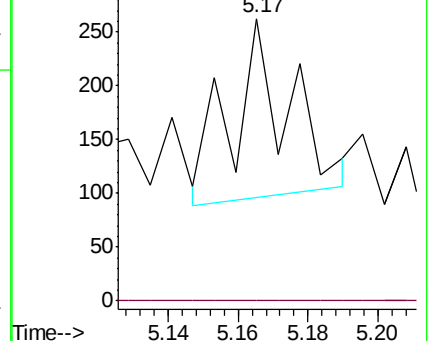
59 100

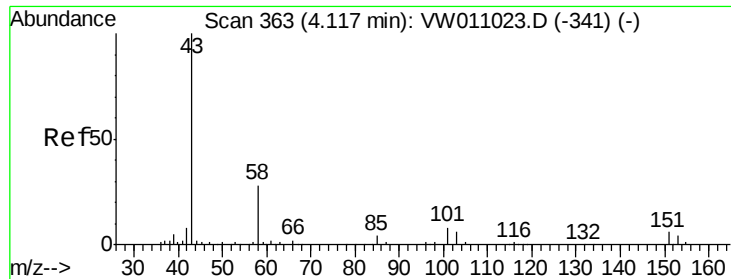
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

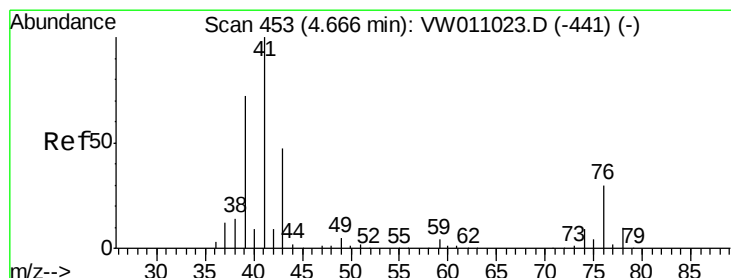
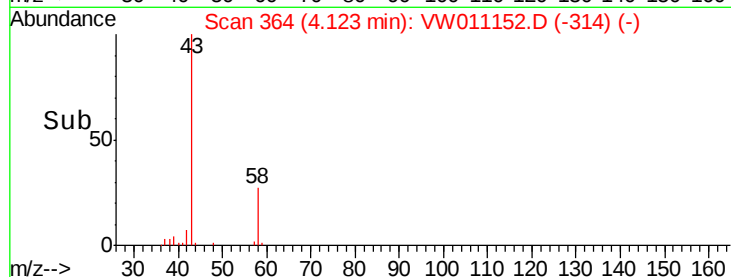
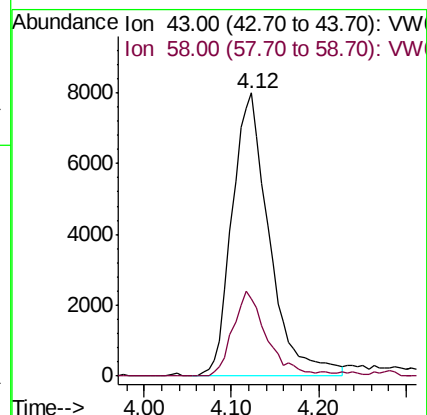
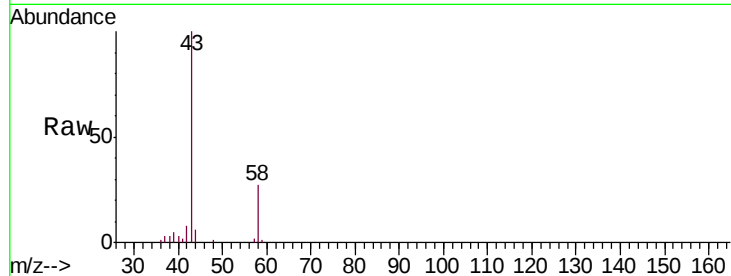




#16
Acetone
Concen: 40.322 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

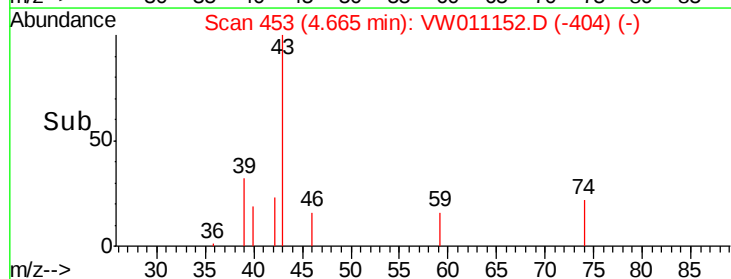
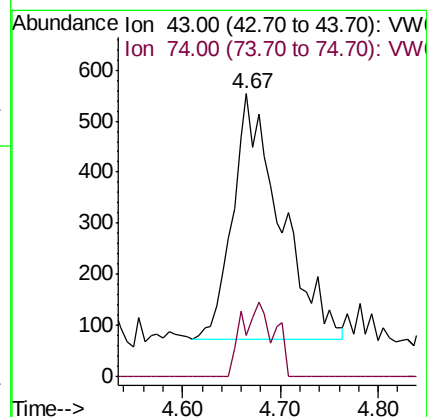
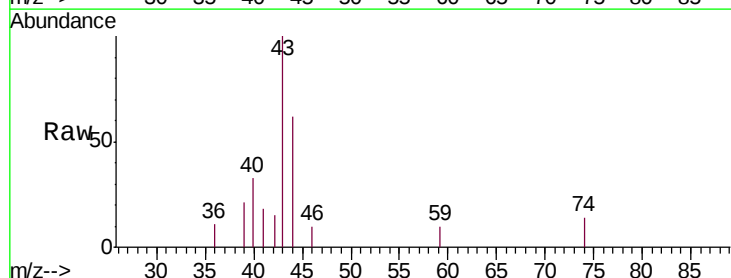
Instrument :
MSVOA_W
ClientSampleId :
OR-02-070319-B

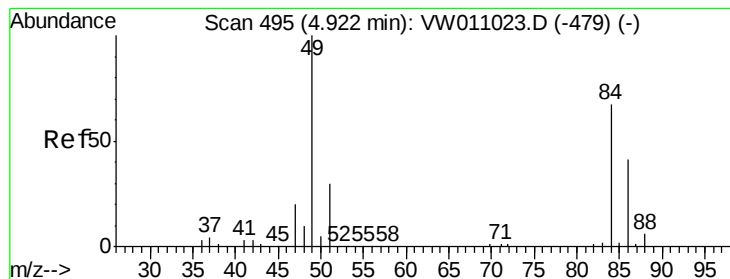
Tgt Ion: 43 Resp: 23725
Ion Ratio Lower Upper
43 100
58 27.2 22.5 33.7



#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
74 20.7 15.8 23.8





#20

Methylene Chloride

Concen: 8.224 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

OR-02-070319-B

Tgt Ion: 84 Resp: 19661

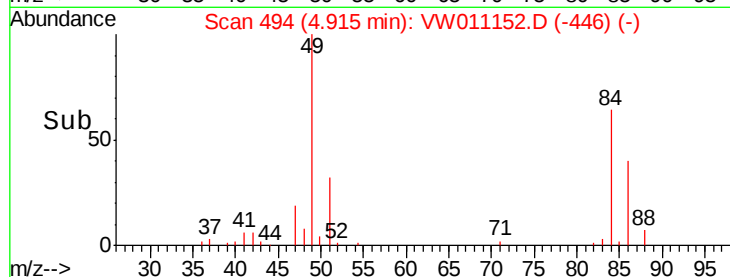
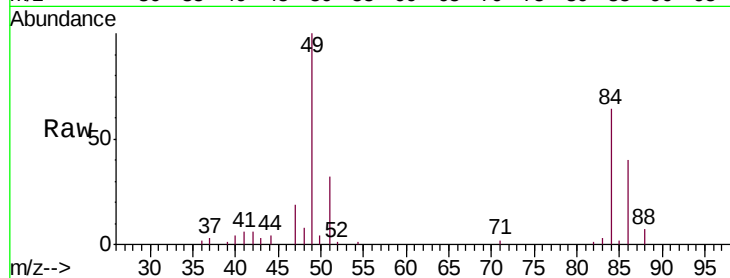
Ion Ratio Lower Upper

84 100

49 155.3 119.6 179.4

51 49.7 35.6 53.4

86 62.5 49.0 73.6

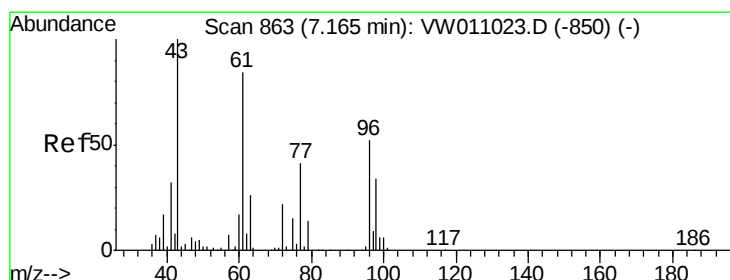
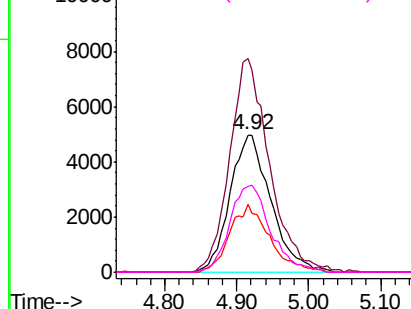


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 4.283 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011152.D

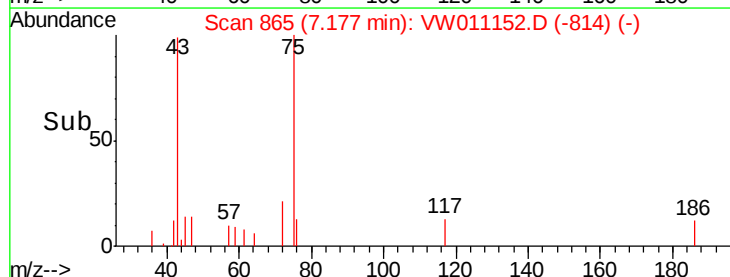
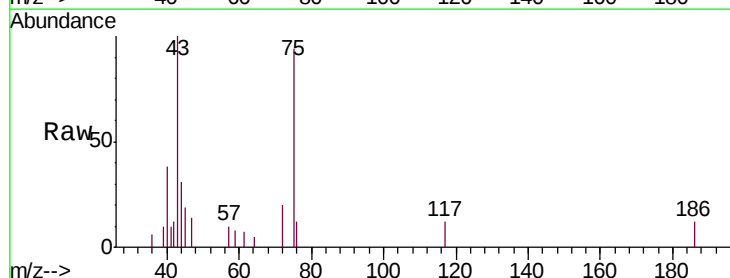
Acq: 03 Jul 2019 20:45

Tgt Ion: 43 Resp: 3831

Ion Ratio Lower Upper

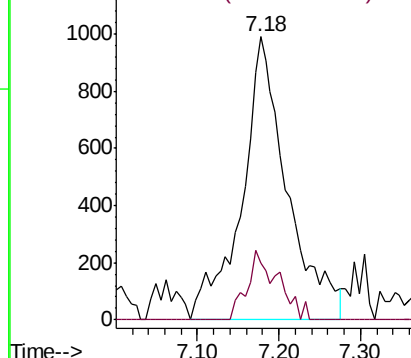
43 100

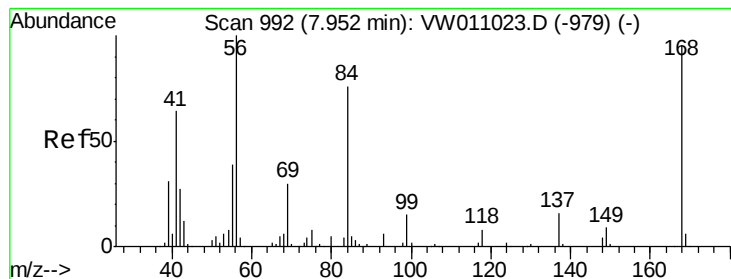
72 19.9 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

OR-02-070319-B

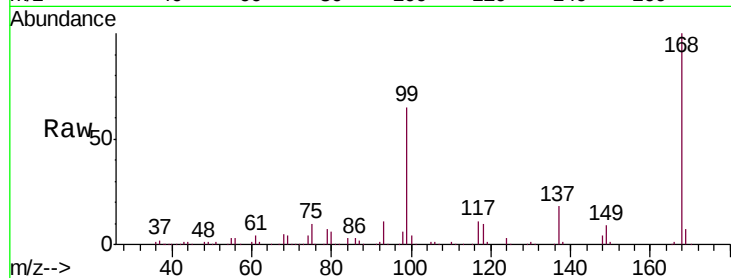
Tgt Ion: 56 Resp: 6096

Ion Ratio Lower Upper

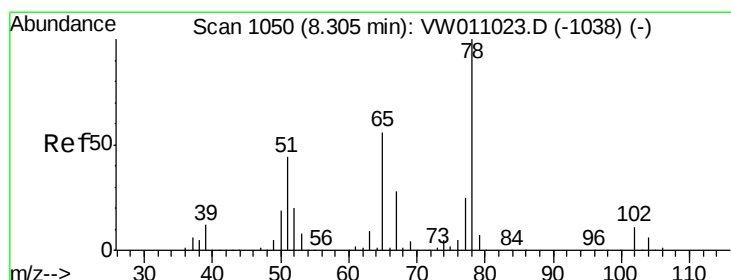
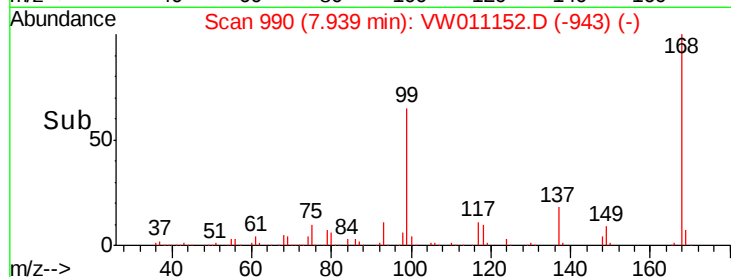
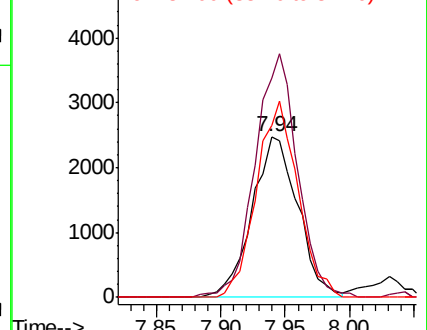
56 100

69 136.8 24.2 36.2#

84 106.9 60.6 90.8#



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



#33

1,2-Dichloroethane-d4

Concen: 53.243 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011152.D

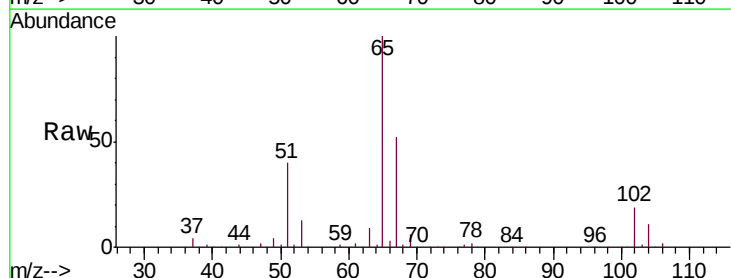
Acq: 03 Jul 2019 20:45

Tgt Ion: 65 Resp: 128342

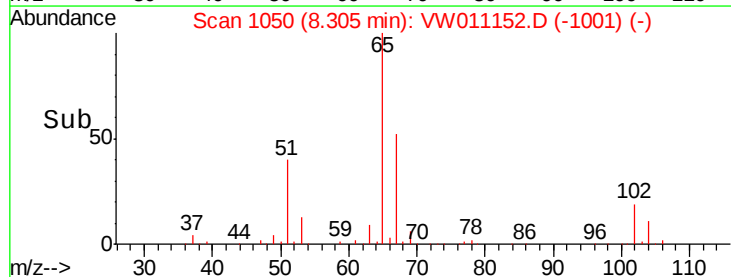
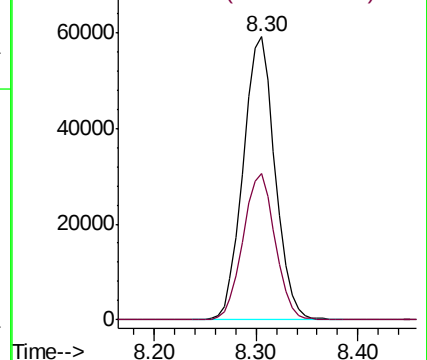
Ion Ratio Lower Upper

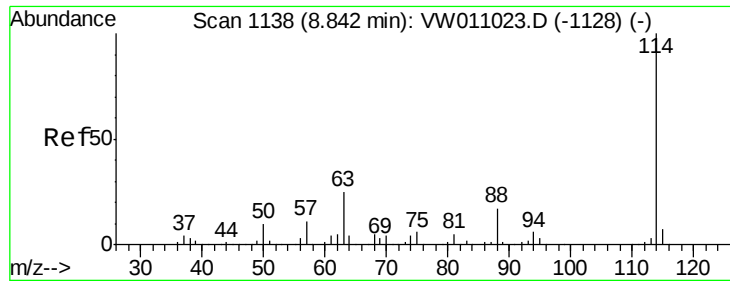
65 100

67 52.1 0.0 102.4



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

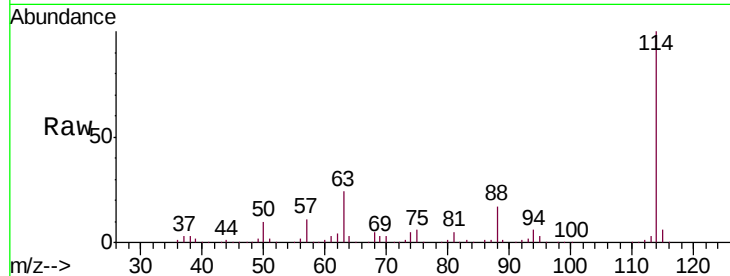




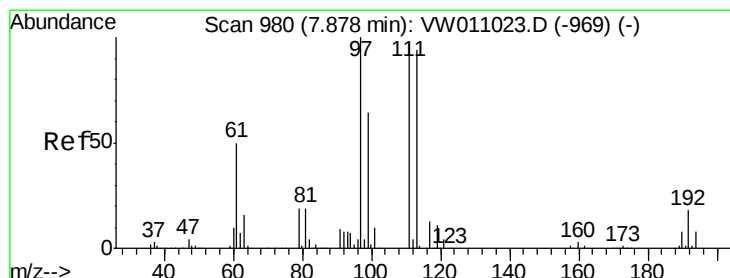
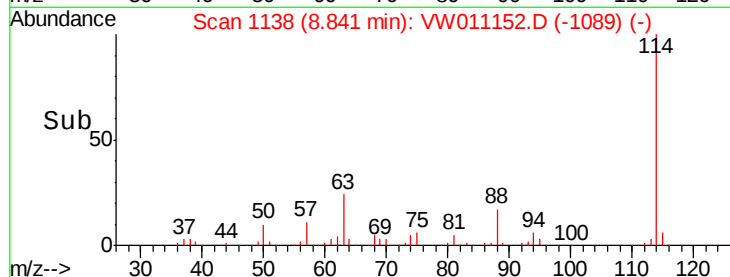
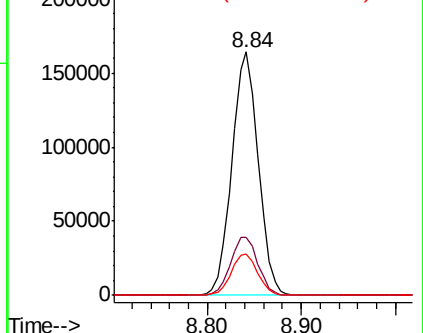
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011152.D
 Acq: 03 Jul 2019 20:45

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-070319-B

Tgt Ion:114 Resp: 319032
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.6
 88 16.8 0.0 34.0

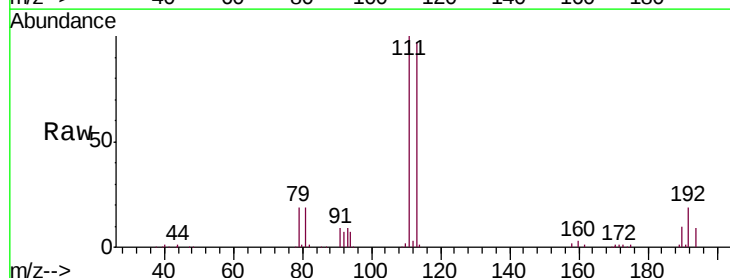


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

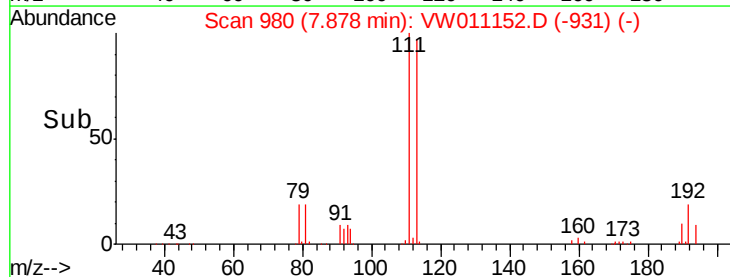
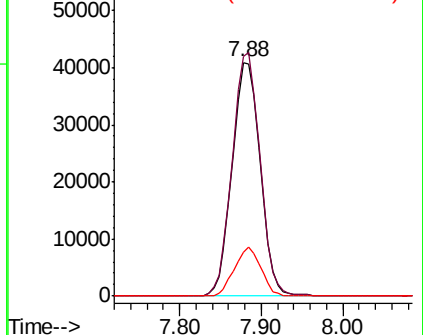


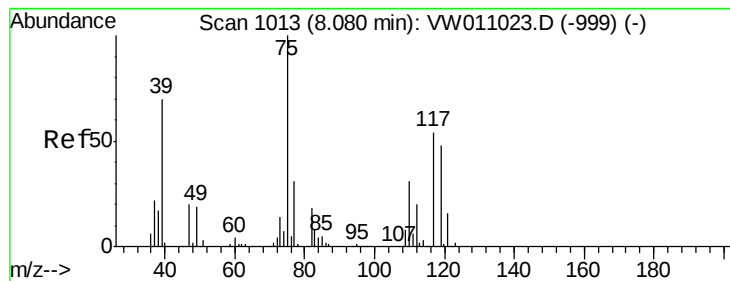
#35
 Dibromofluoromethane
 Concen: 49.890 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011152.D
 Acq: 03 Jul 2019 20:45

Tgt Ion:113 Resp: 97193
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.8 125.6
 192 19.9 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: 4.902 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

OR-02-070319-B

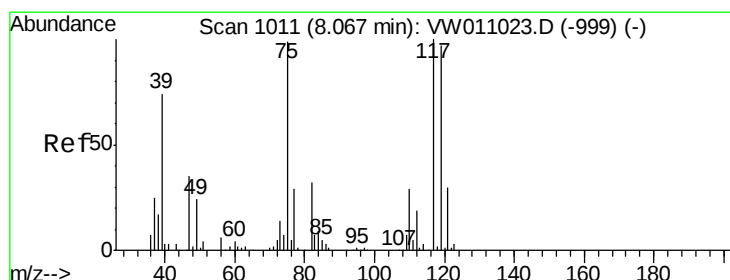
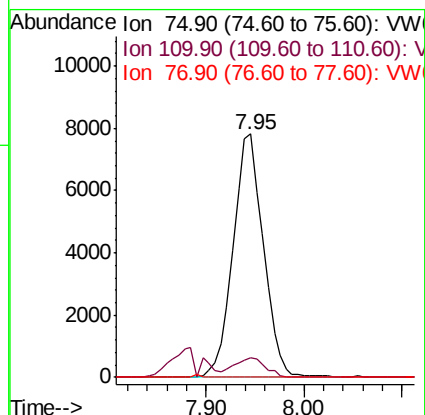
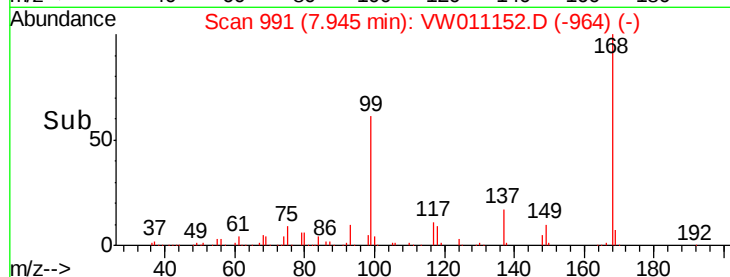
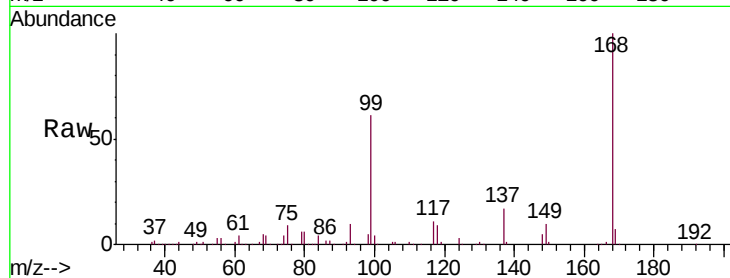
Tgt Ion: 75 Resp: 16808

Ion Ratio Lower Upper

75 100

110 8.2 15.5 46.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.899 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

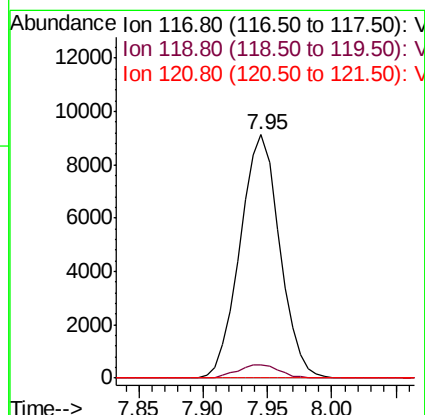
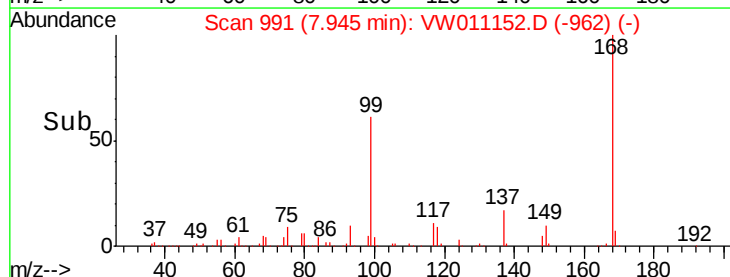
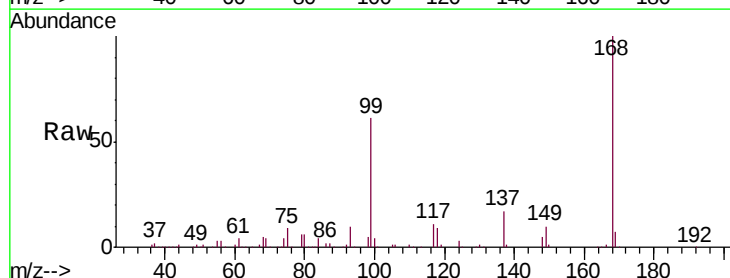
Tgt Ion: 117 Resp: 19482

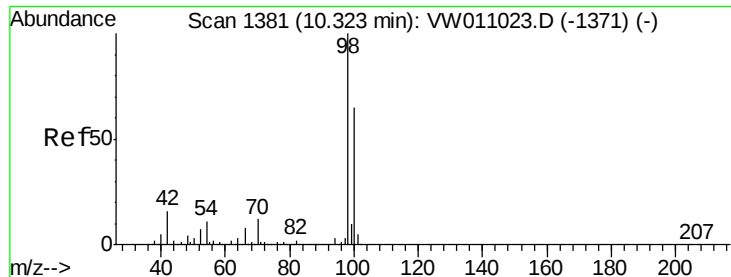
Ion Ratio Lower Upper

117 100

119 5.3 77.7 116.5#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 47.643 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

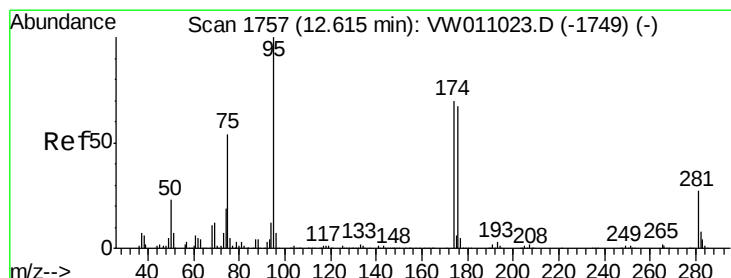
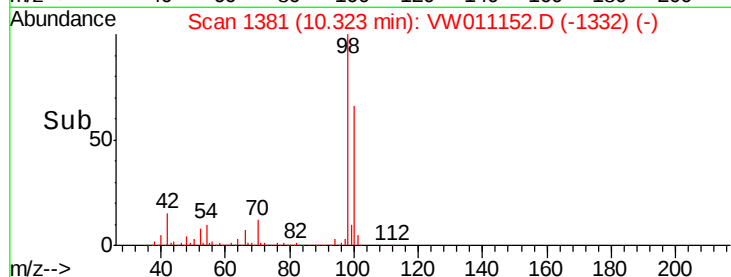
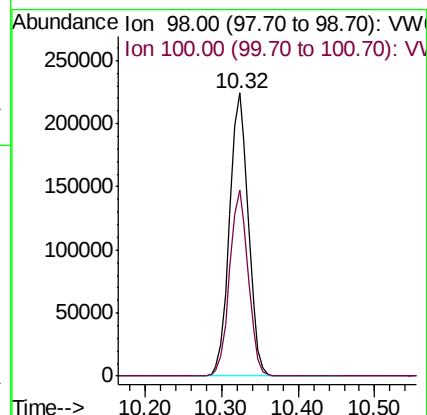
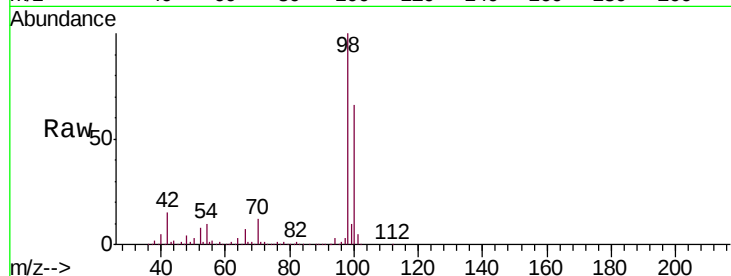
OR-02-070319-B

Tgt Ion: 98 Resp: 382053

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 38.273 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011152.D

Acq: 03 Jul 2019 20:45

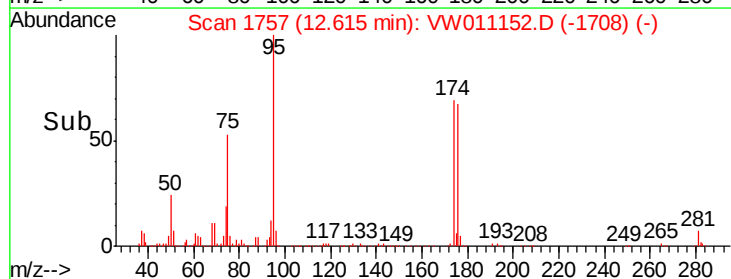
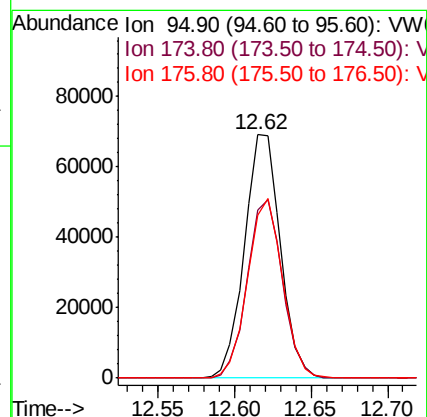
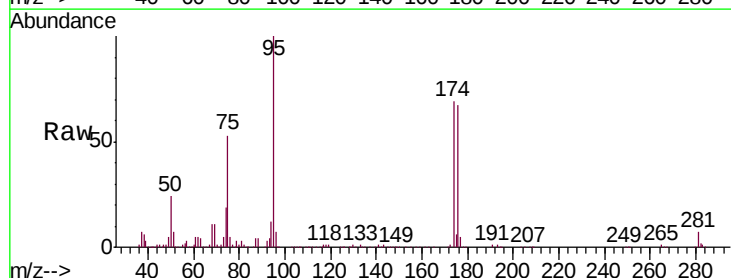
Tgt Ion: 95 Resp: 112253

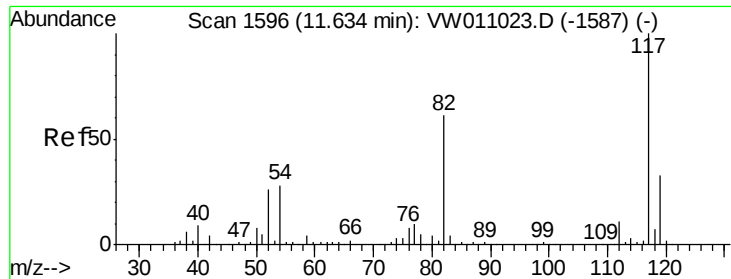
Ion Ratio Lower Upper

95 100

174 72.9 0.0 149.2

176 72.2 0.0 143.6

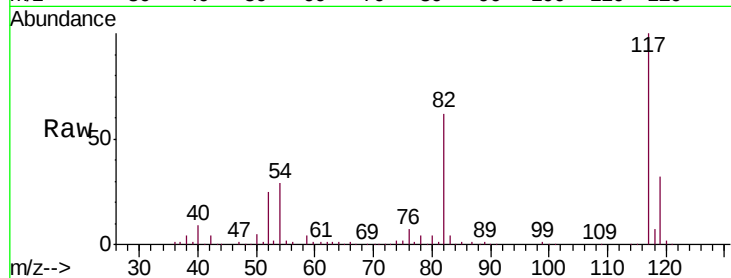




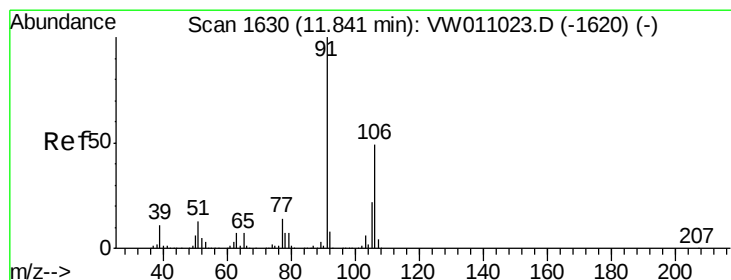
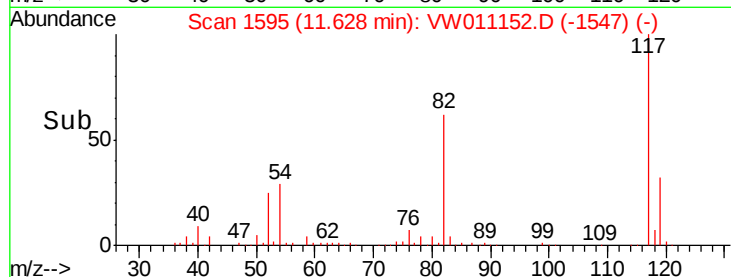
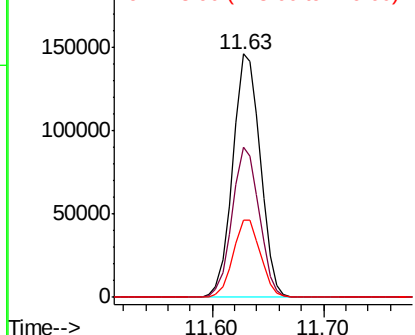
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Instrument :
MSVOA_W
ClientSampleId :
OR-02-070319-B

Tgt Ion:117 Resp: 250520
Ion Ratio Lower Upper
117 100
82 61.8 48.6 73.0
119 31.5 26.1 39.1

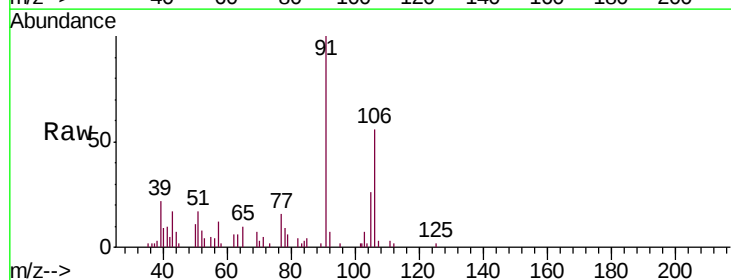


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

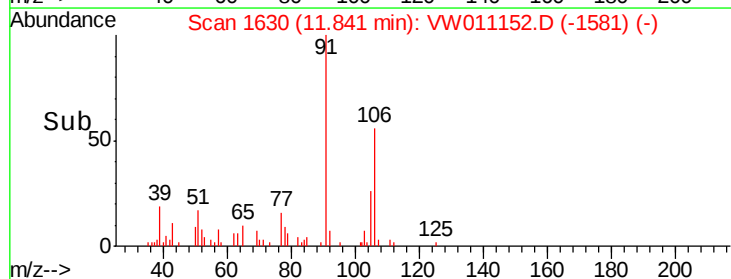
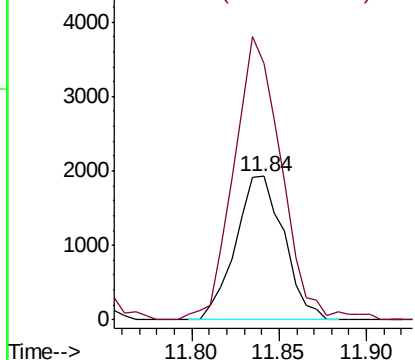


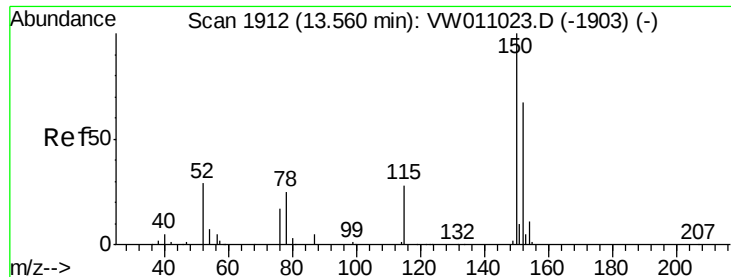
#68
m/p-Xylenes
Concen: 1.037 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Tgt Ion:106 Resp: 3697
Ion Ratio Lower Upper
106 100
91 194.0 167.5 251.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VW011152.D

Acq: 03 Jul 2019 20:45

Instrument :

MSVOA_W

ClientSampleId :

OR-02-070319-B

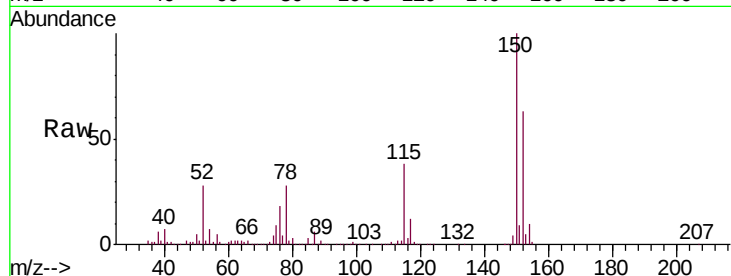
Tgt Ion:152 Resp: 87096

Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

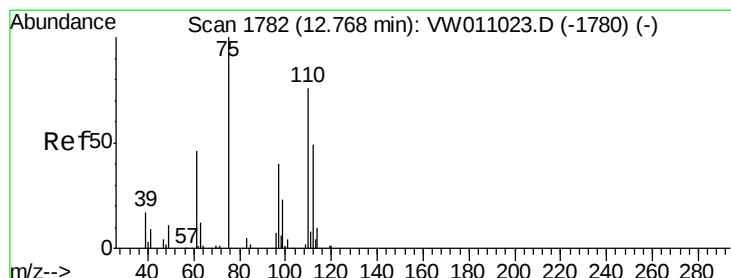
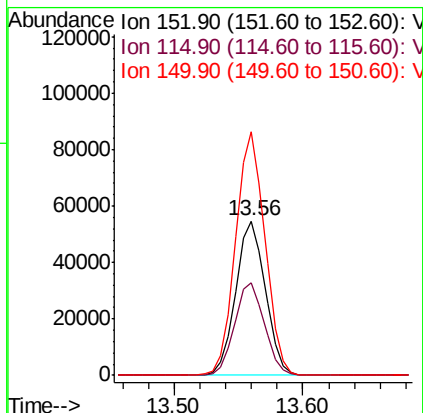
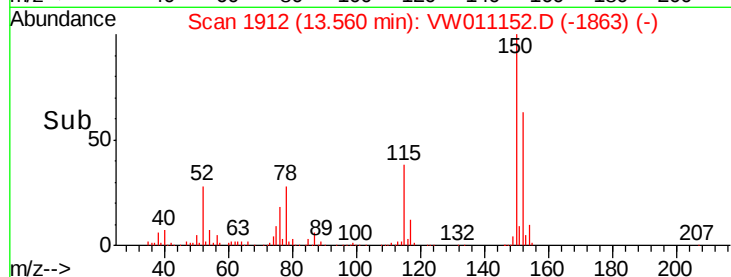
150 156.6 0.0 341.8



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: 65.556 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011152.D

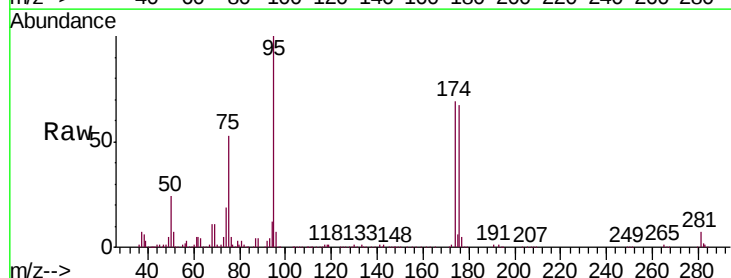
Acq: 03 Jul 2019 20:45

Tgt Ion: 75 Resp: 60279

Ion Ratio Lower Upper

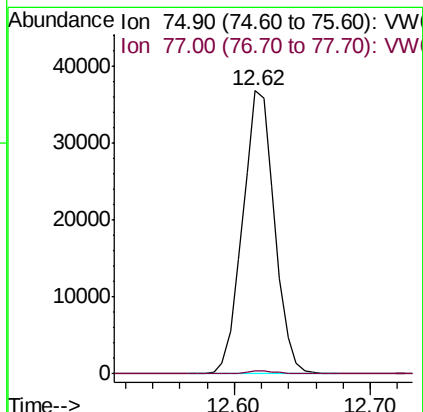
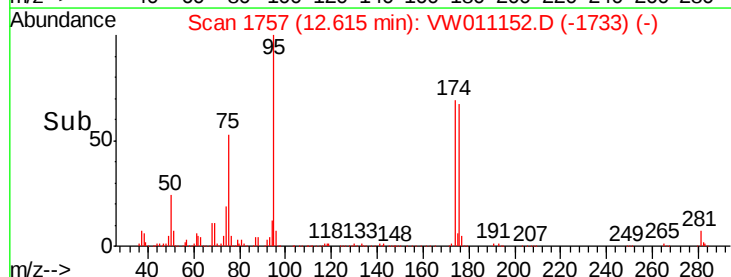
75 100

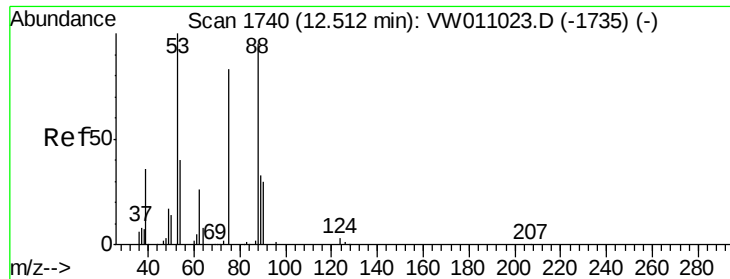
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

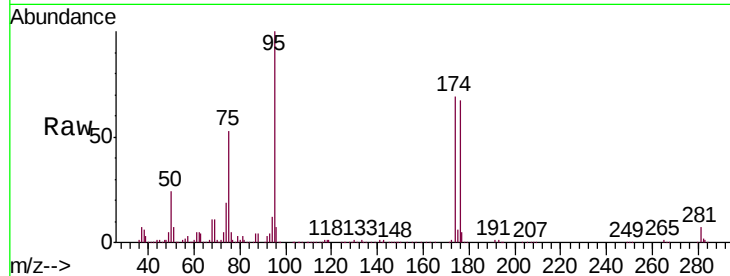




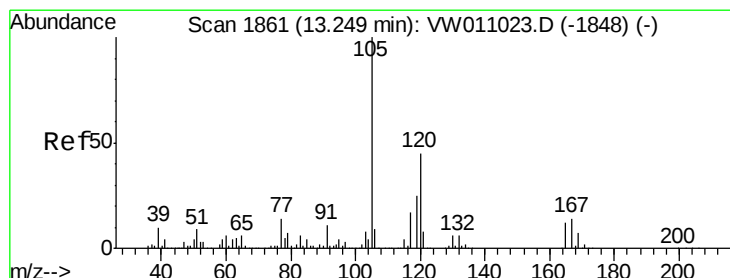
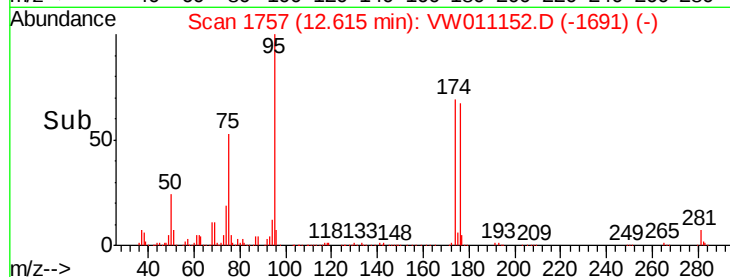
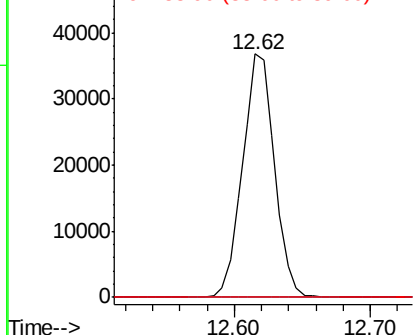
#81
trans-1,4-Dichloro-2-butene
Concen: 132.143 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Instrument :
MSVOA_W
ClientSampleId :
OR-02-070319-B

Tgt Ion: 75 Resp: 60279
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 34.4 51.6#

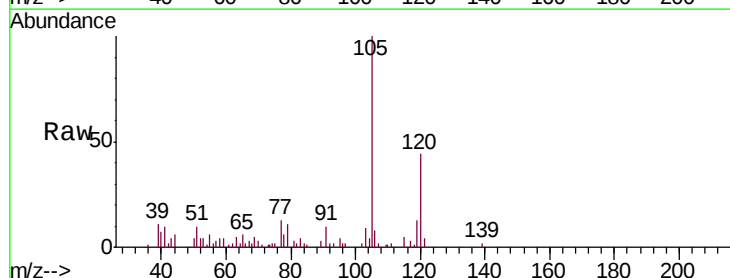


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

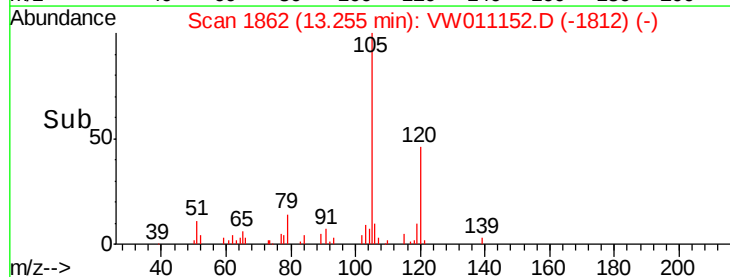
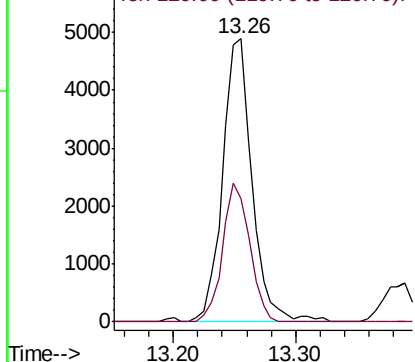


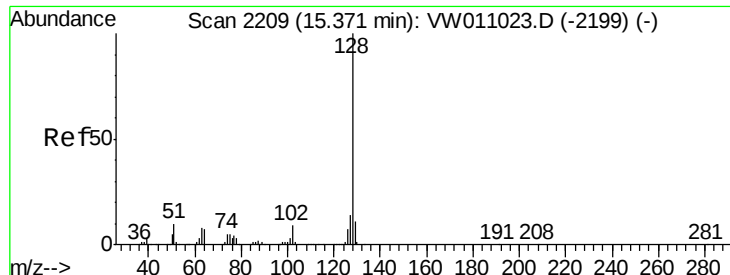
#84
1,2,4-Trimethylbenzene
Concen: 1.454 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Tgt Ion: 105 Resp: 8125
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

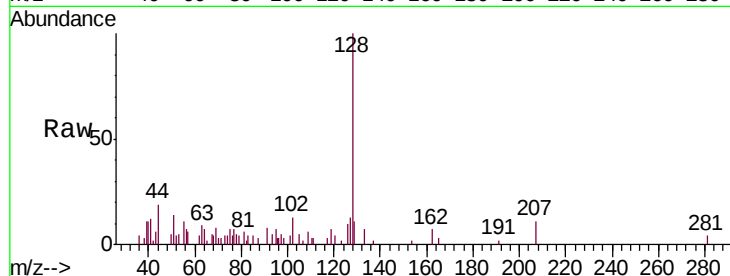




#95
Naphthalene
Concen: 1.295 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011152.D
Acq: 03 Jul 2019 20:45

Instrument :
MSVOA_W
ClientSampleId :
OR-02-070319-B

Tgt Ion:128 Resp: 4361
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.5 8.8 13.2



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

