

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010461.D
 Acq On : 20 May 2019 21:53
 Operator : SY/VA
 Sample : K2944-02
 Misc : 5.14G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-2(14.5-15)

Quant Time: May 21 06:49:53 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	123142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	235608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89760	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	74011	58.23	ug/l	0.00
Spiked Amount			Recovery	=	116.46%	
35) Dibromofluoromethane	7.88	113	71613	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.32	98	291051	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	12.62	95	106379	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

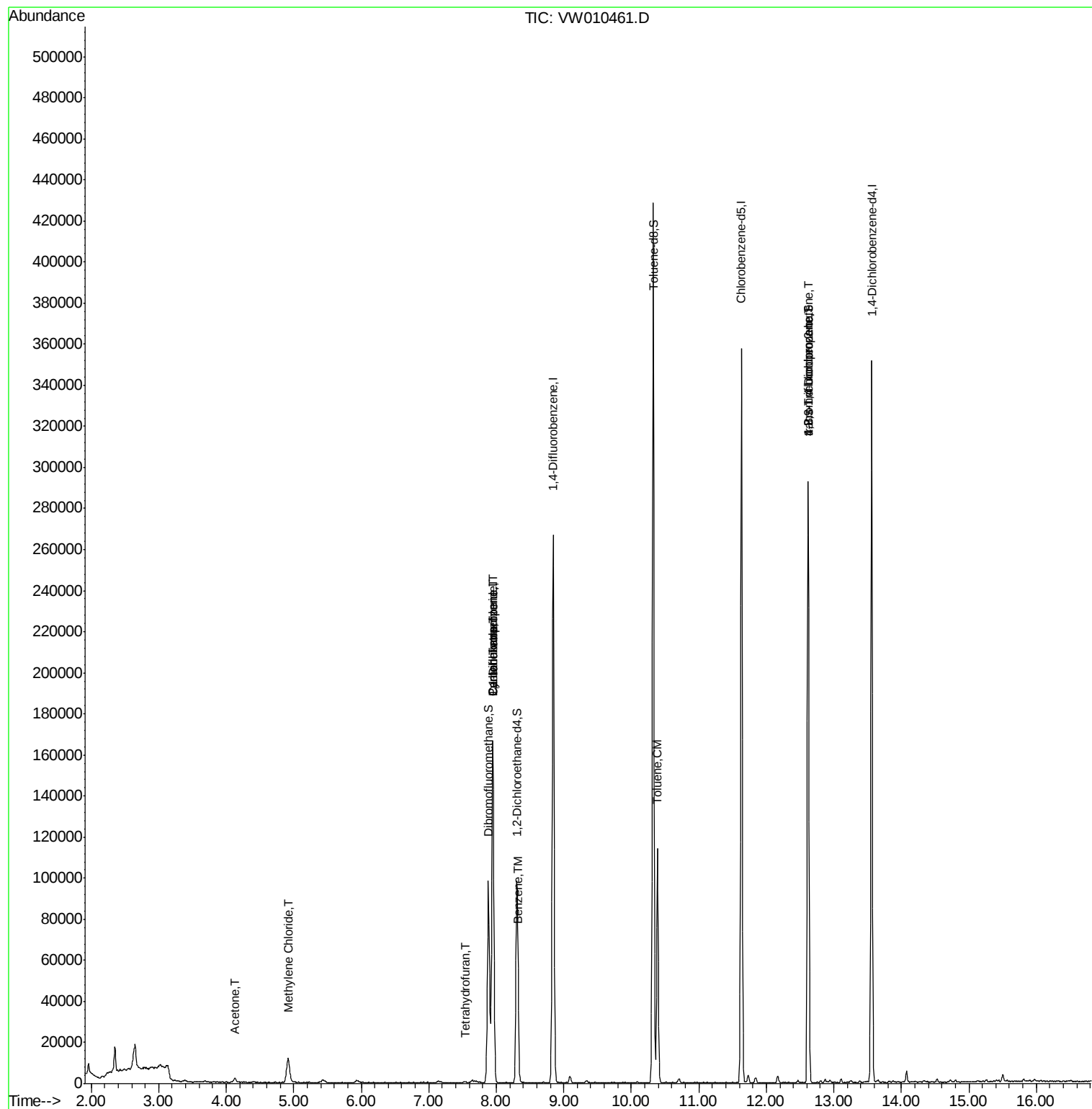
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.84	56	41	Below Cal	#	1
16) Acetone	4.13	43	4376	16.867	ug/l #	88
20) Methylene Chloride	4.92	84	9966	1.642	ug/l	93
29) Tetrahydrofuran	7.54	42	427	1.700	ug/l #	50
31) Cyclohexane	7.95	56	2684	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9562	4.357	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12956	5.472	ug/l #	15
40) Benzene	8.33	78	8634	1.415	ug/l	97
52) Toluene	10.39	92	51202	12.498	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	51184	56.177	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	51184	117.243	ug/l #	14

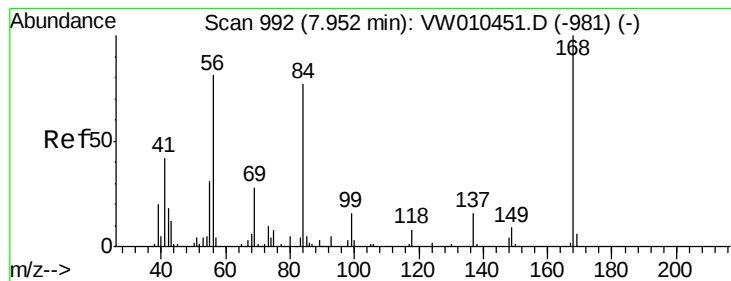
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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FESB-2(14.5-15)

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

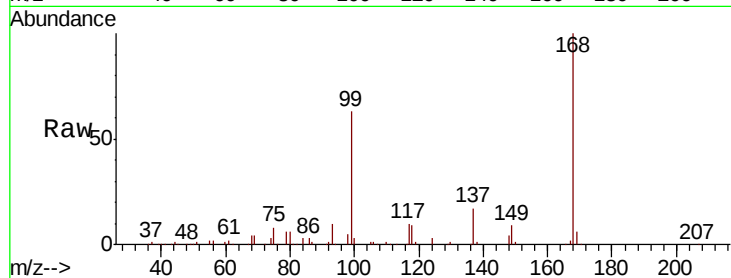
FESB-2(14.5-15)

Tot Ion:168 Resp: 123142

Ion Ratio Lower Upper

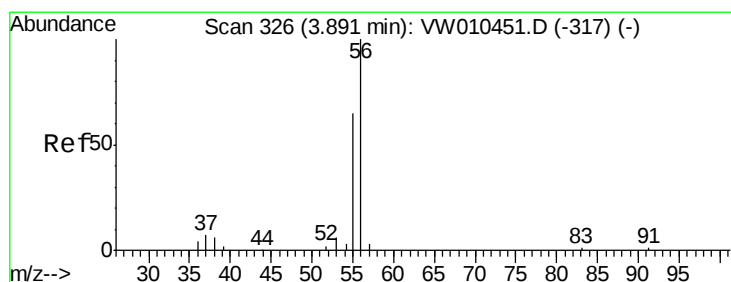
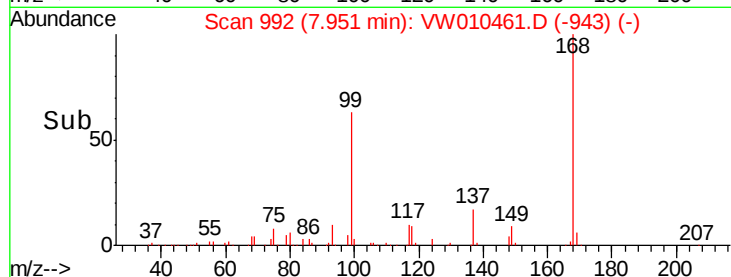
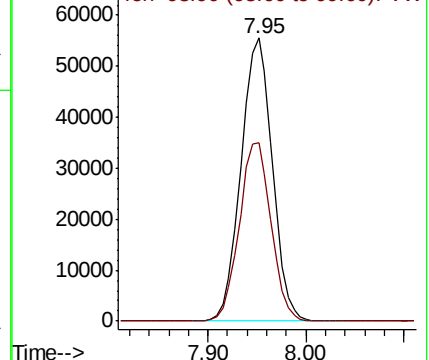
168 100

99 63.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.84 min Scan# 317

Delta R.T. -0.05 min

Lab File: VW010461.D

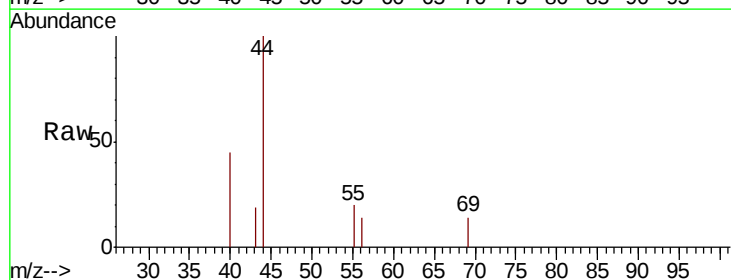
Acq: 20 May 2019 21:53

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

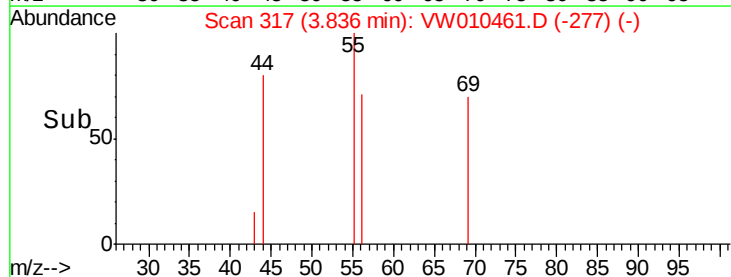
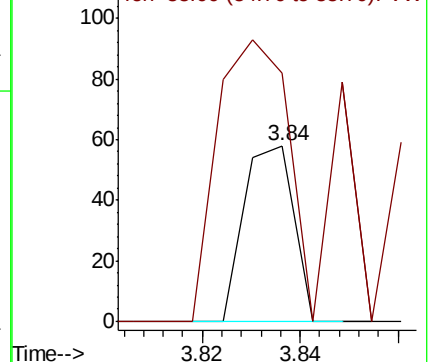
56 100

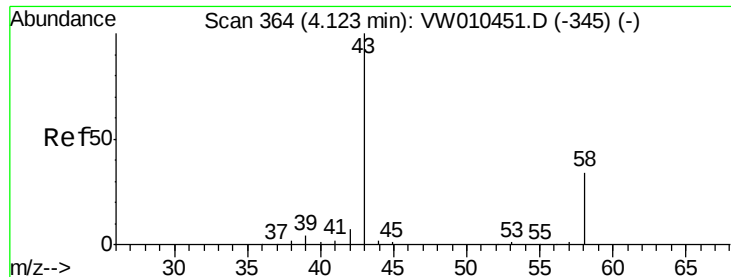
55 226.8 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

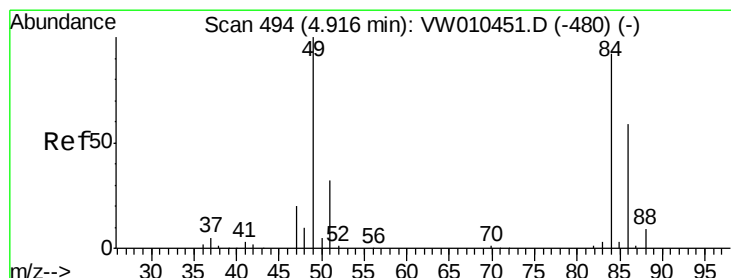
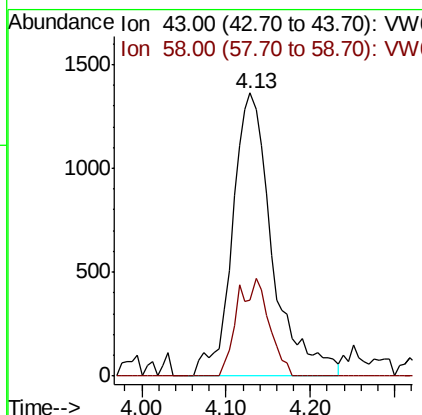
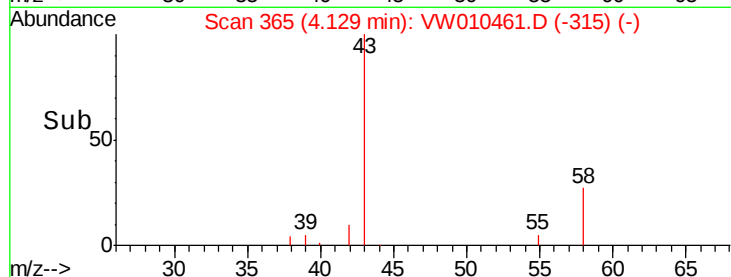
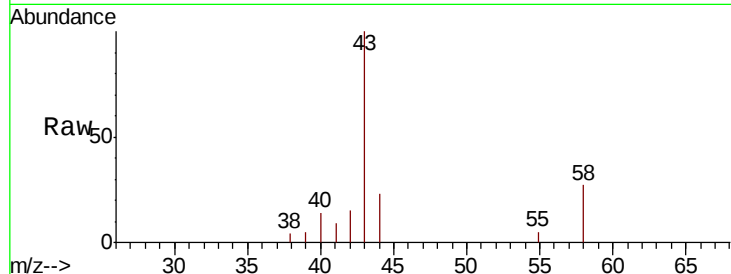




#16
Acetone
Concen: 16.867 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010461.D
Acq: 20 May 2019 21:53

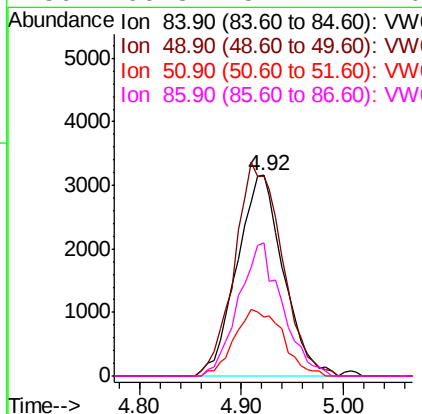
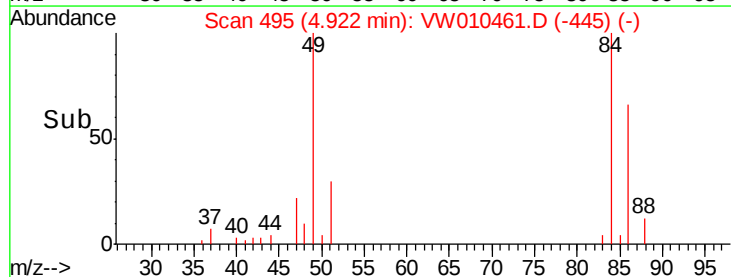
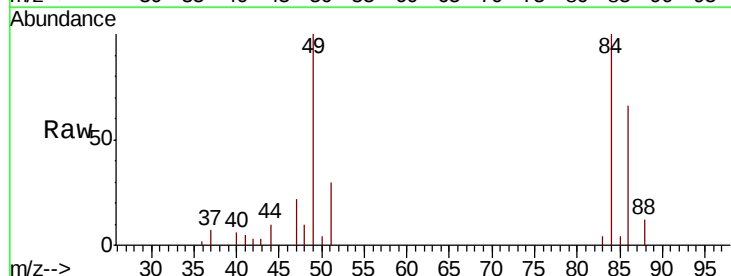
Instrument :
MSVOA_W
ClientSampleId :
FESB-2(14.5-15)

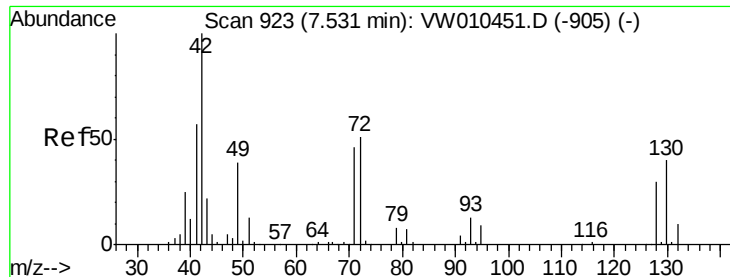
Tot Ion: 43 Resp: 4376
Ion Ratio Lower Upper
43 100
58 26.7 27.0 40.4#



#20
Methylene Chloride
Concen: 1.642 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010461.D
Acq: 20 May 2019 21:53

Tgt Ion: 84 Resp: 9966
Ion Ratio Lower Upper
84 100
49 99.7 87.2 130.8
51 29.7 27.7 41.5
86 66.3 51.4 77.0





#29

Tetrahydrofuran

Concen: 1.700 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

FESB-2(14.5-15)

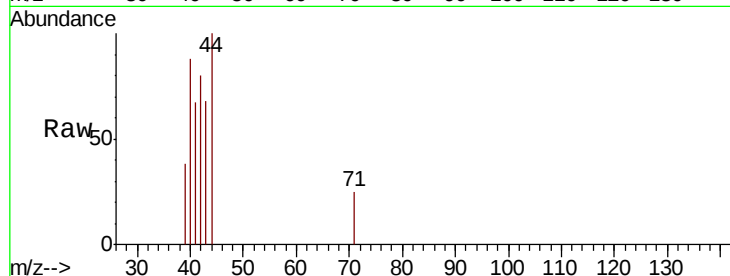
Tot Ion: 42 Resp: 427

Ion Ratio Lower Upper

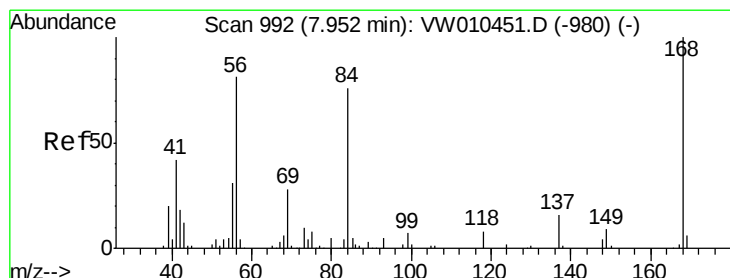
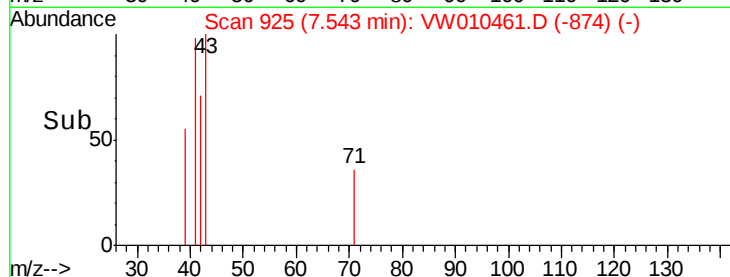
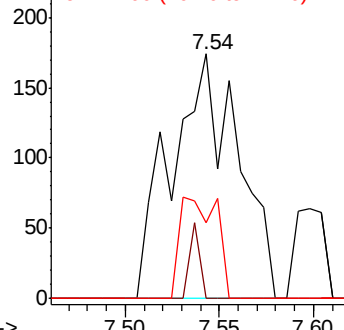
42 100

72 4.7 38.5 57.7#

71 22.7 36.5 54.7#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

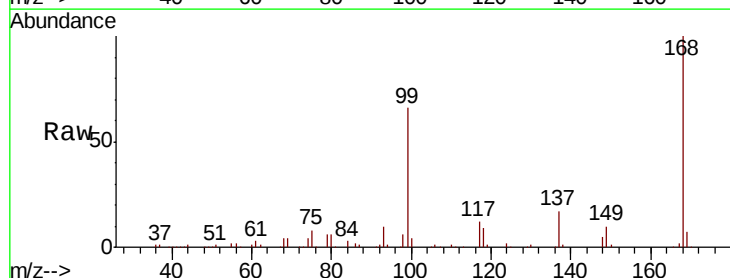
Tgt Ion: 56 Resp: 2684

Ion Ratio Lower Upper

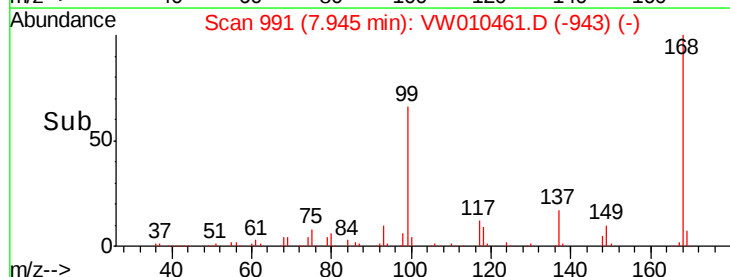
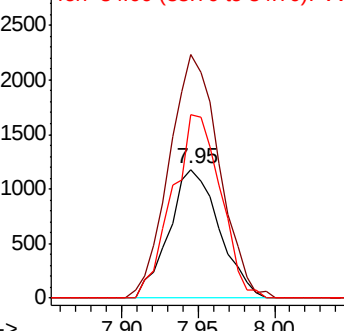
56 100

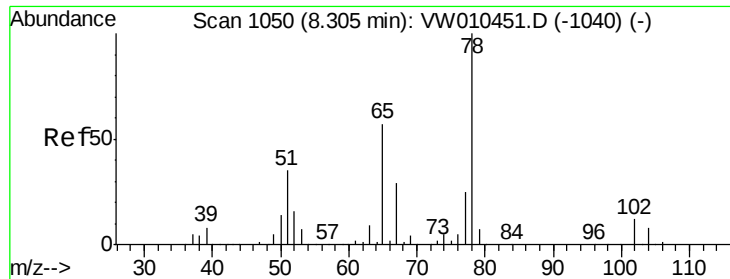
69 188.8 28.2 42.2#

84 142.4 75.8 113.8#



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

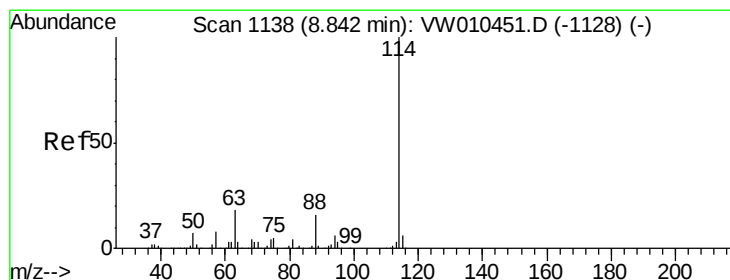
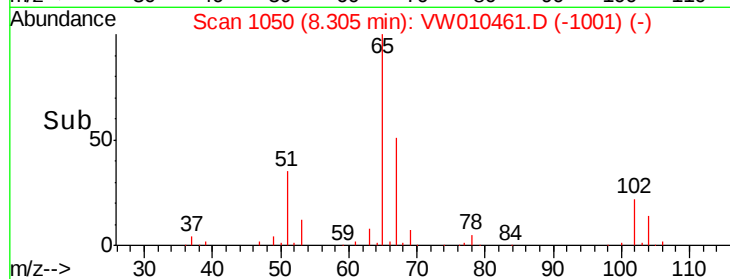
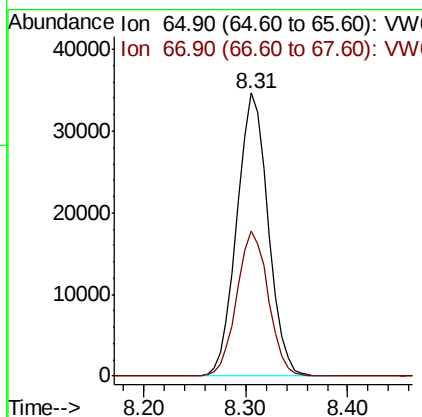
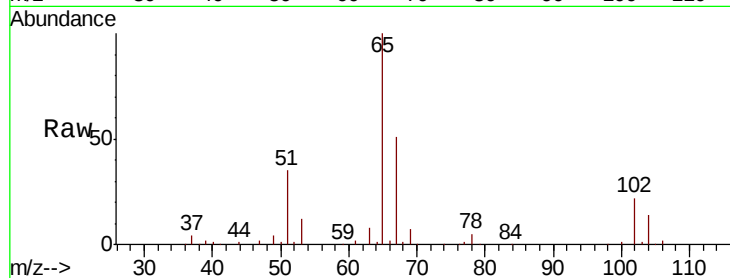




#33
 1,2-Dichloroethane-d4
 Concen: 58.229 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010461.D
 Acq: 20 May 2019 21:53

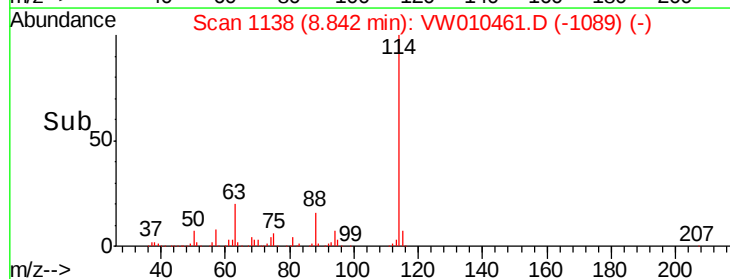
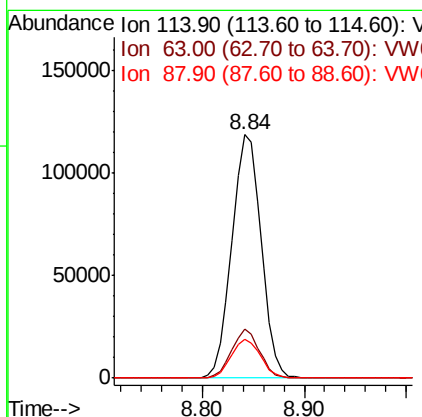
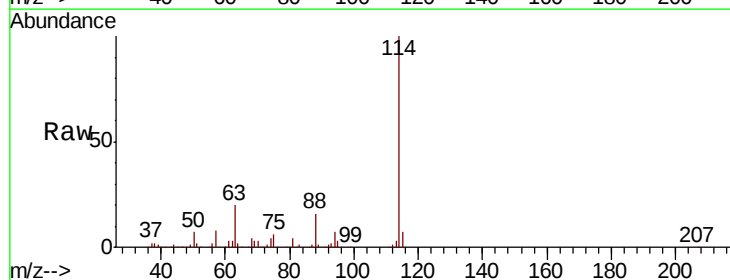
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-2(14.5-15)

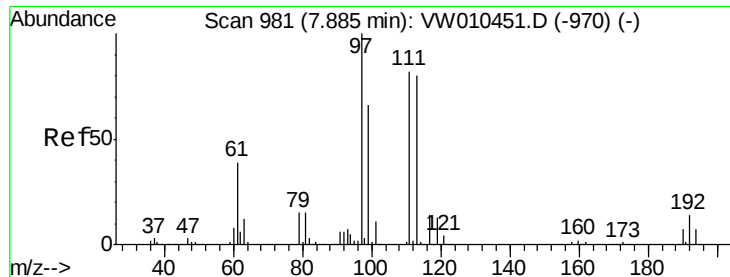
Tot Ion: 65 Resp: 74011
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010461.D
 Acq: 20 May 2019 21:53

Tgt Ion: 114 Resp: 235608
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 36.0
 88 16.0 0.0 32.0

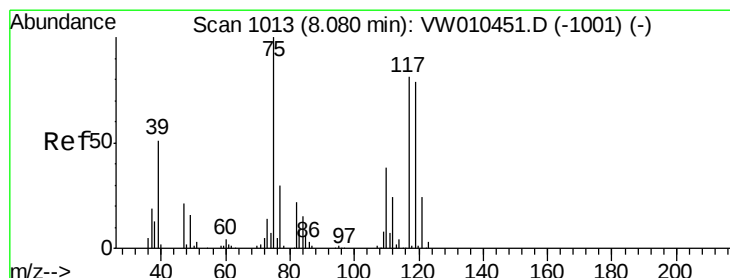
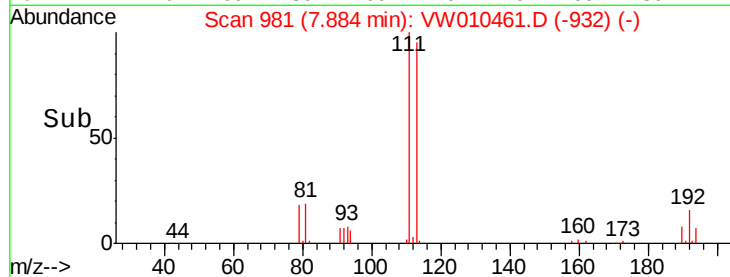
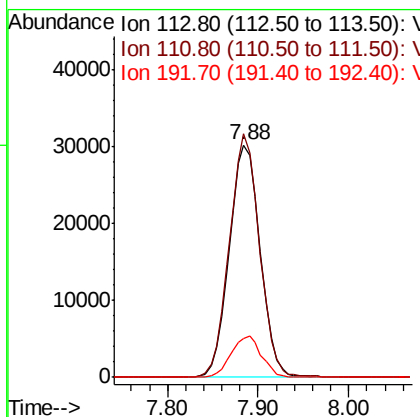
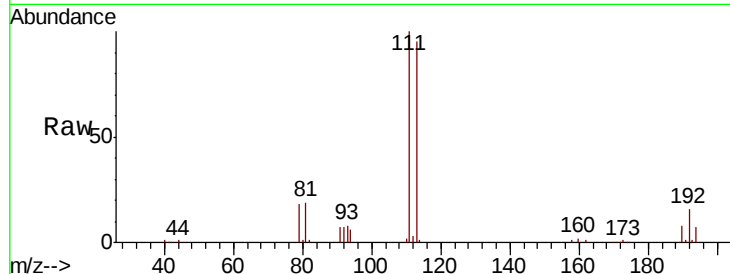




#35
 Dibromofluoromethane
 Concen: 50.092 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010461.D
 Acq: 20 May 2019 21:53

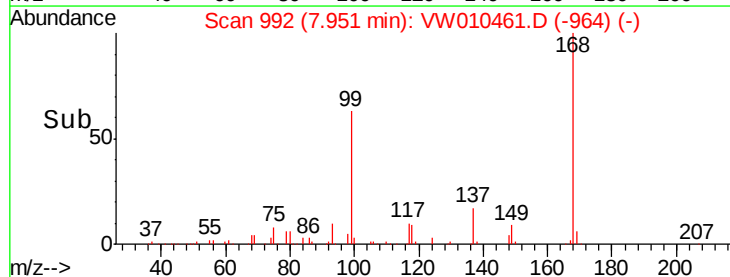
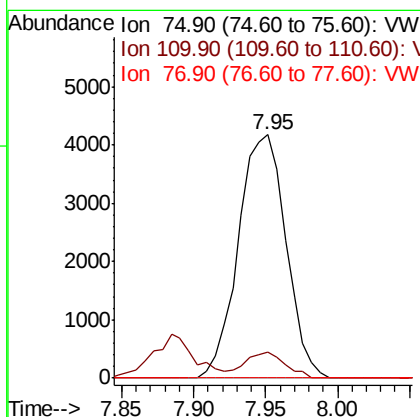
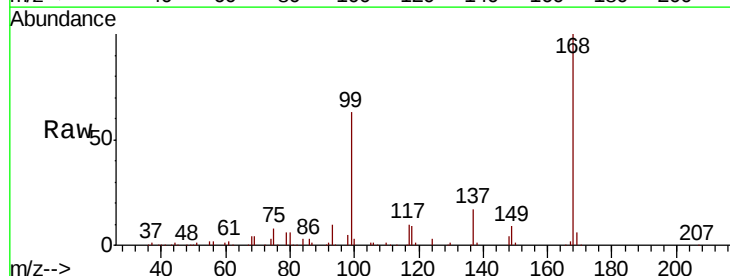
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-2(14.5-15)

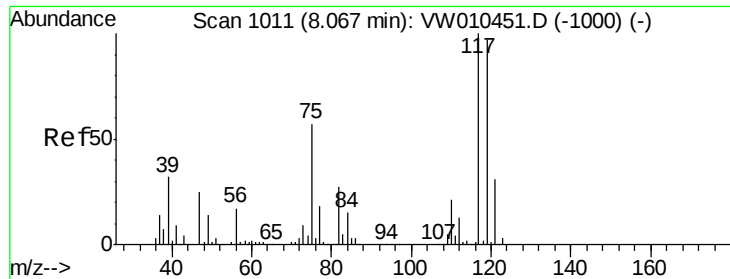
Tot Ion:113 Resp: 71613
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 17.4 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.357 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010461.D
 Acq: 20 May 2019 21:53

Tgt Ion: 75 Resp: 9562
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.472 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

FESB-2(14.5-15)

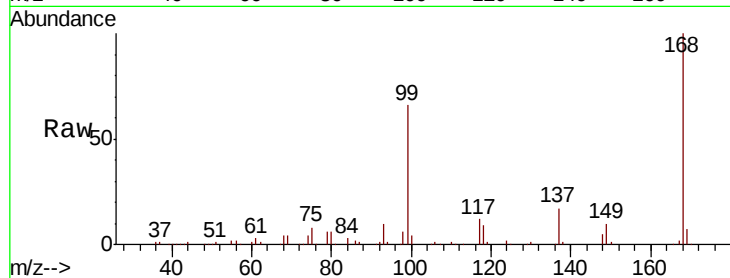
Tot Ion:117 Resp: 12956

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

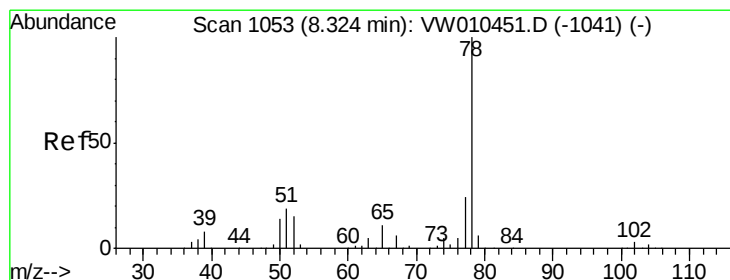
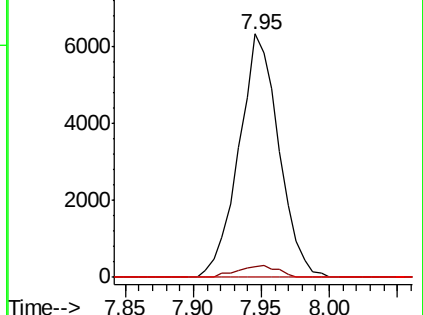
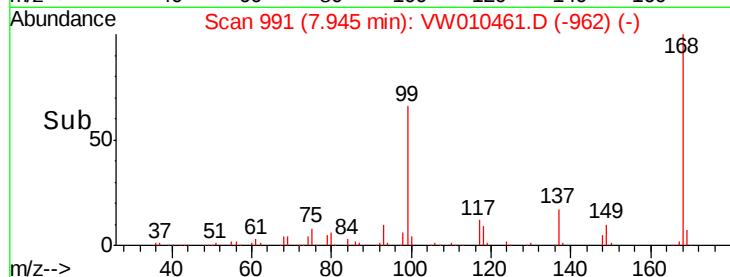
121 0.0 25.0 37.6#



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



#40

Benzene

Concen: 1.415 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW010461.D

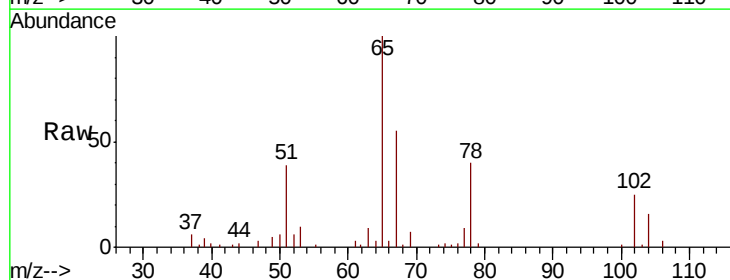
Acq: 20 May 2019 21:53

Tgt Ion: 78 Resp: 8634

Ion Ratio Lower Upper

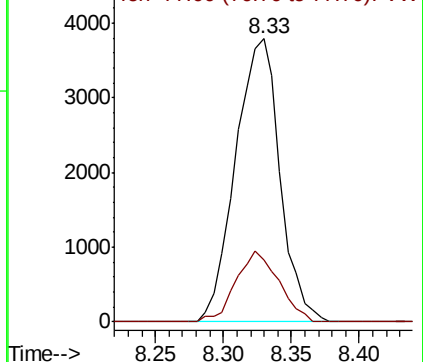
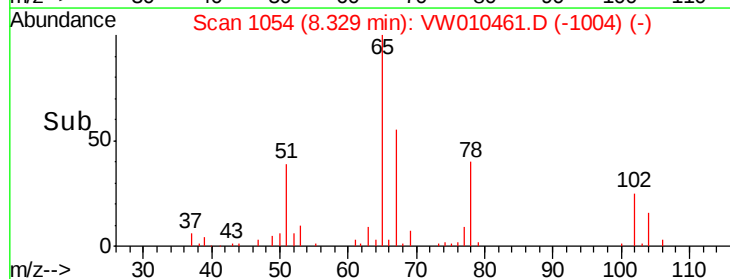
78 100

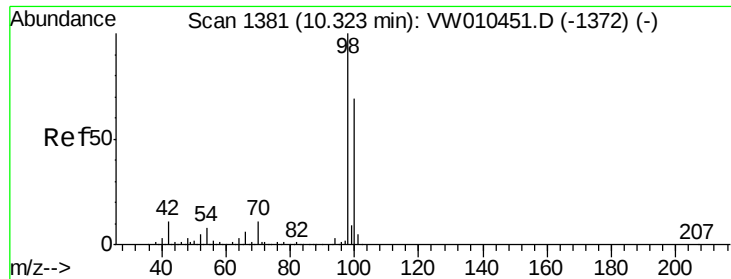
77 22.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

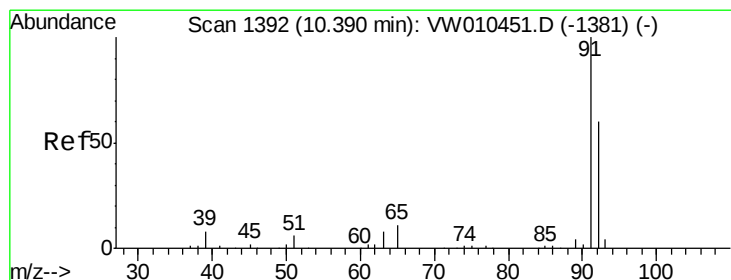
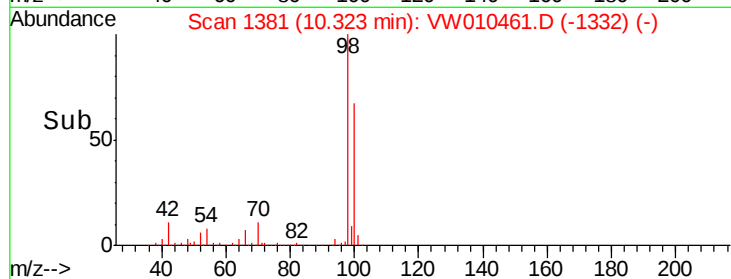
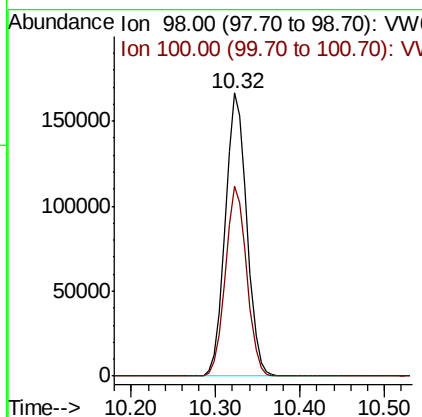
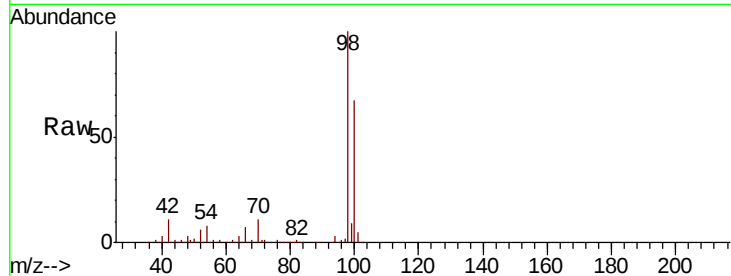




#50
Toluene-d8
Concen: 53.291 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010461.D
Acq: 20 May 2019 21:53

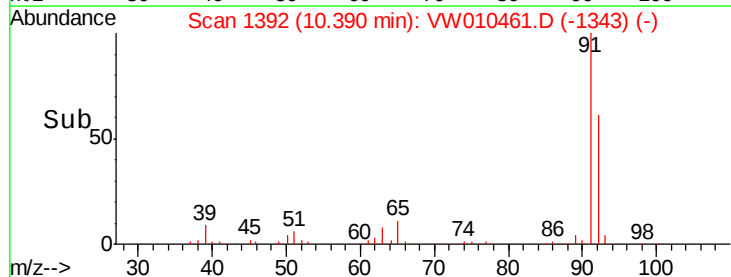
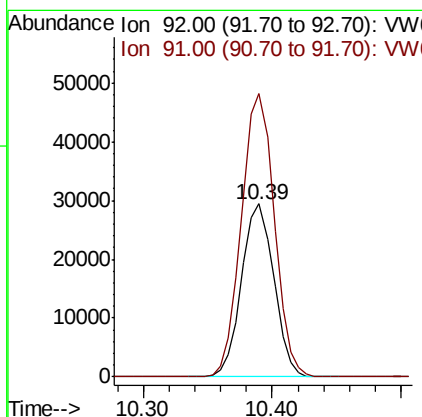
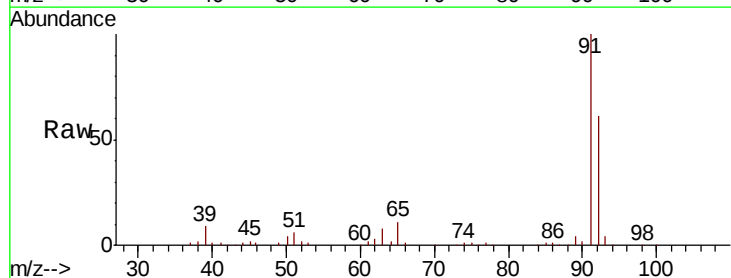
Instrument :
MSVOA_W
ClientSampleId :
FESB-2(14.5-15)

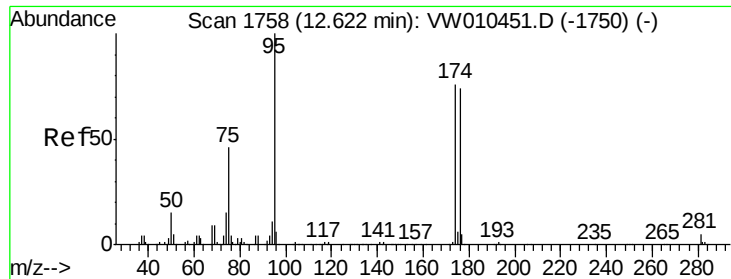
Tot Ion: 98 Resp: 291051
Ion Ratio Lower Upper
98 100
100 66.5 53.7 80.5



#52
Toluene
Concen: 12.498 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010461.D
Acq: 20 May 2019 21:53

Tgt Ion: 92 Resp: 51202
Ion Ratio Lower Upper
92 100
91 167.1 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 48.901 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

FESB-2(14.5-15)

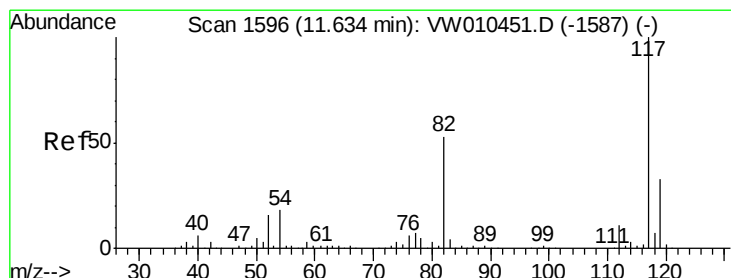
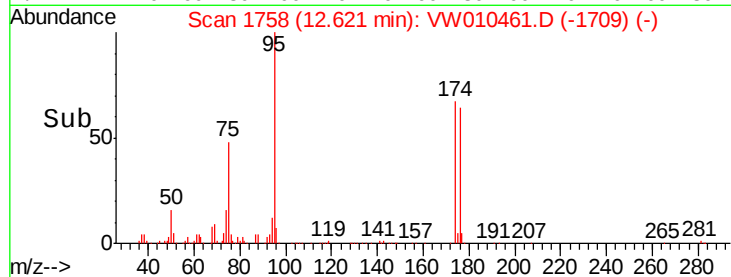
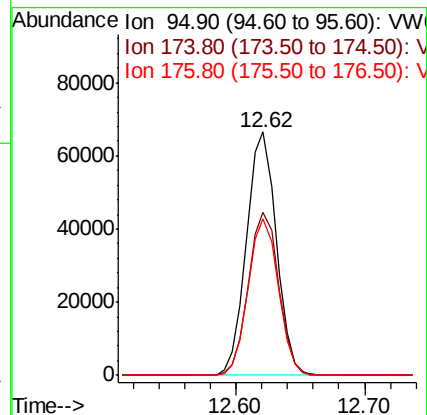
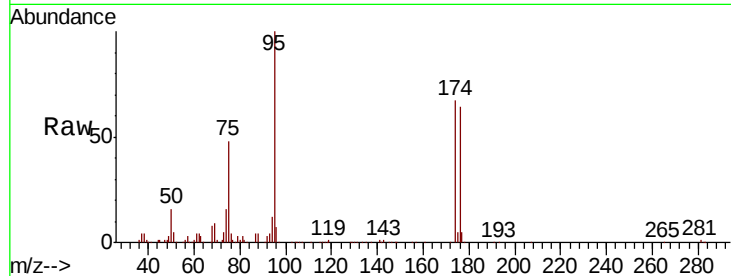
Tot Ion: 95 Resp: 106379

Ion Ratio Lower Upper

95 100

174 68.0 0.0 148.6

176 64.7 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: VW010461.D

Acq: 20 May 2019 21:53

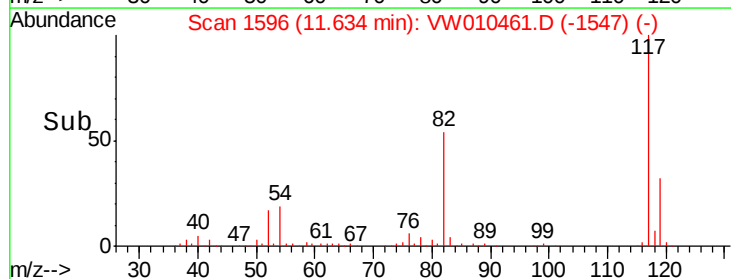
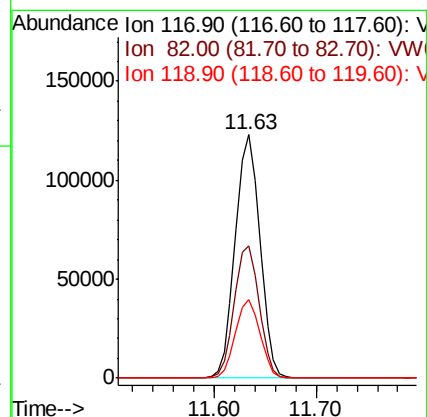
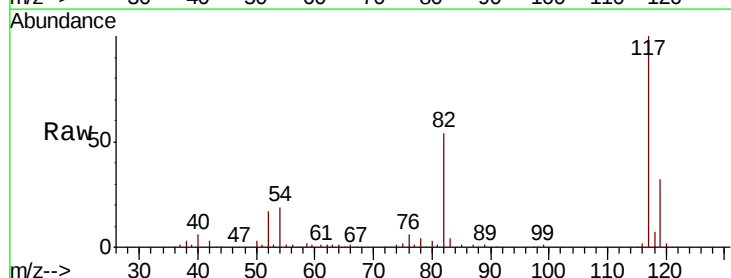
Tgt Ion: 117 Resp: 206191

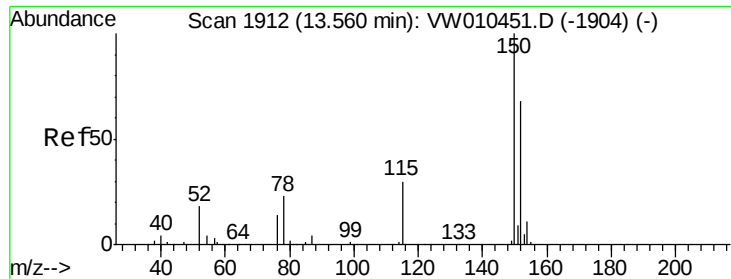
Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

FESB-2(14.5-15)

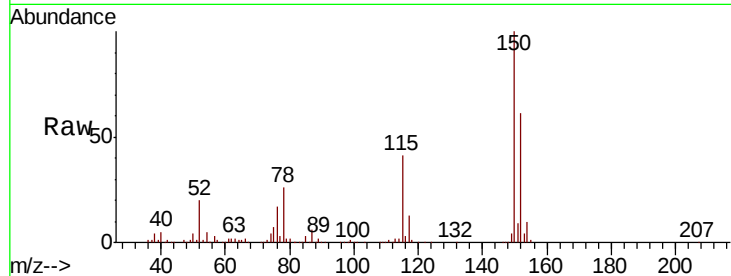
Tot Ion:152 Resp: 89760

Ion Ratio Lower Upper

152 100

115 64.3 30.3 91.0

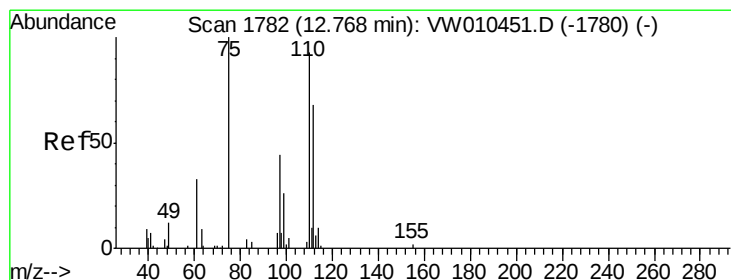
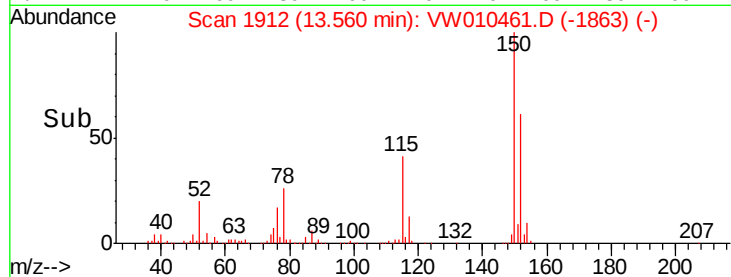
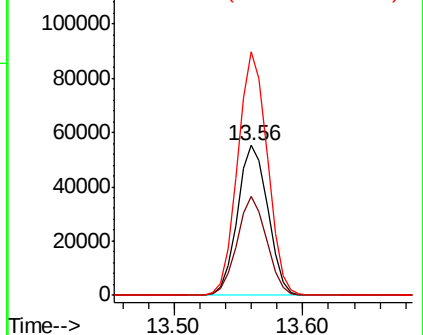
150 159.4 0.0 349.8



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: 56.177 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010461.D

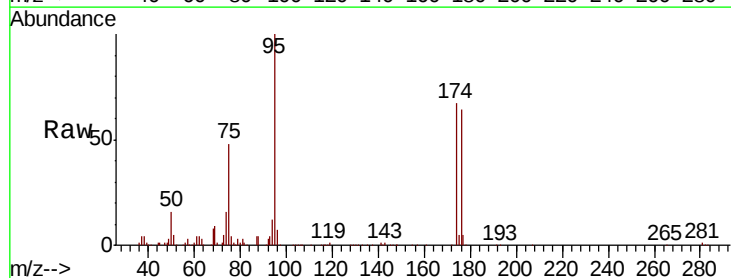
Acq: 20 May 2019 21:53

Tgt Ion: 75 Resp: 51184

Ion Ratio Lower Upper

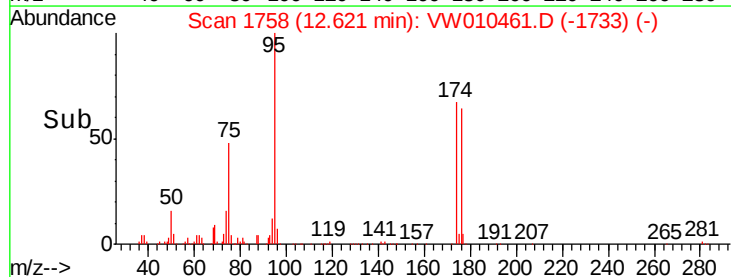
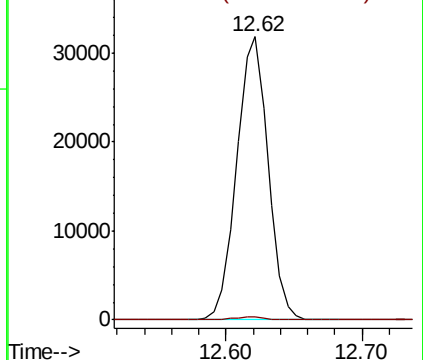
75 100

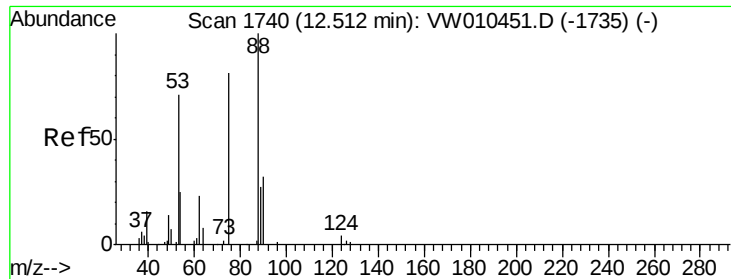
77 1.1 170.0 510.1#



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: 117.243 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010461.D

Acq: 20 May 2019 21:53

Instrument :

MSVOA_W

ClientSampleId :

FESB-2(14.5-15)

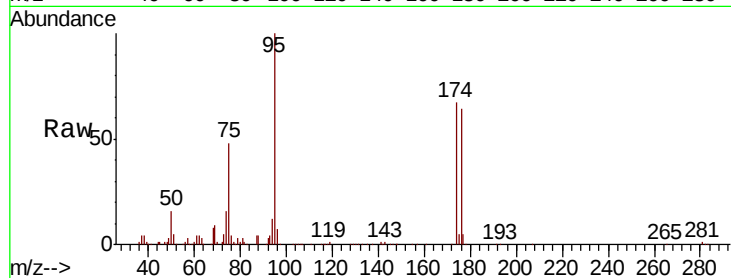
Tot Ion: 75 Resp: 51184

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#



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

