

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010564.D
 Acq On : 28 May 2019 13:50
 Operator : SY/VA
 Sample : K3066-01
 Misc : 6.48G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)

Quant Time: May 29 07:00:15 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	143561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	244580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	96170	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	71719	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	7.88	113	74257	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.32	98	294645	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	106526	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

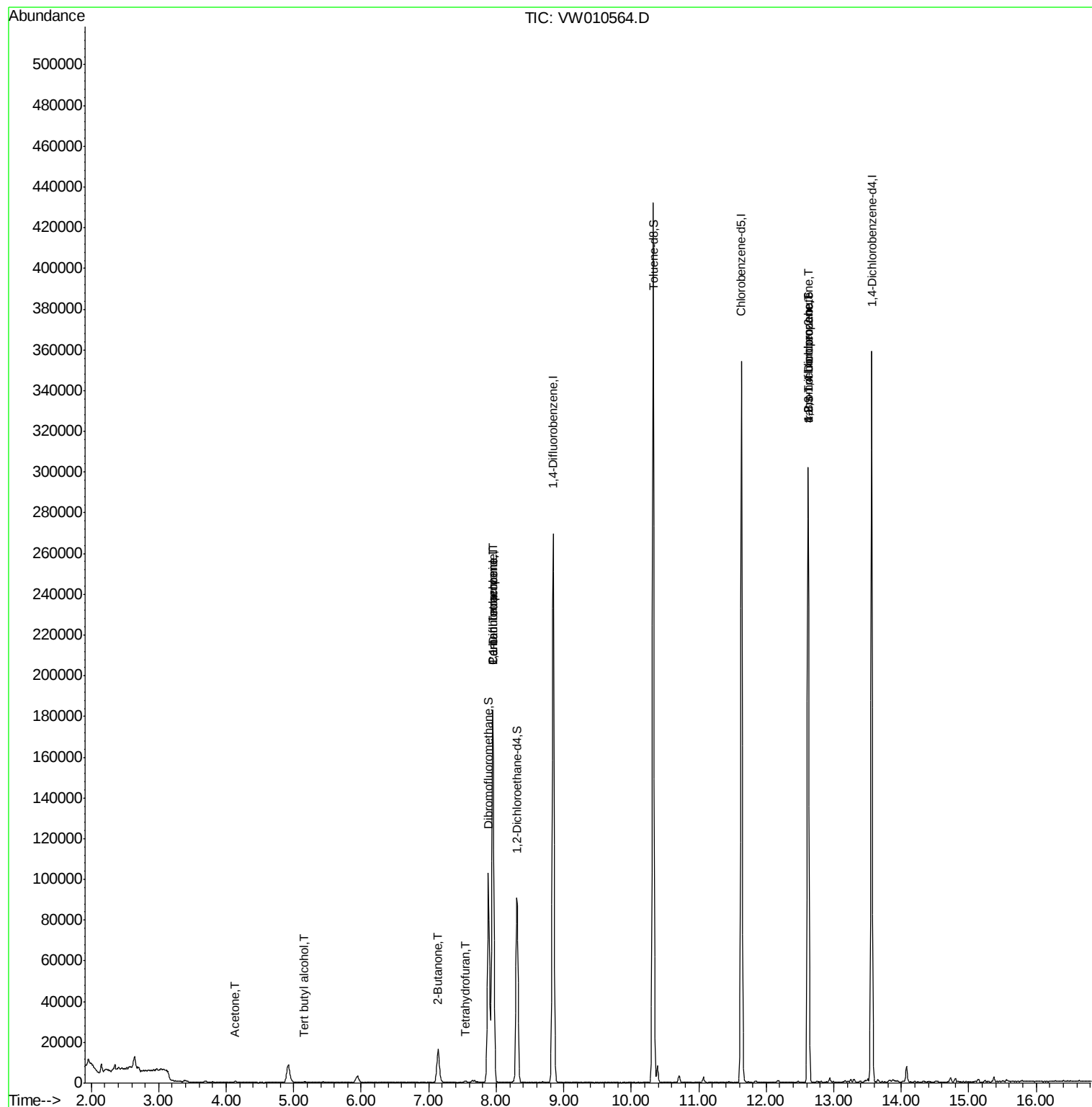
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	43	Below Cal	#	42
11) Tert butyl alcohol	5.16	59	340	2.551	ug/l #	86
13) Acrolein	3.85	56	20	Below Cal	#	13
16) Acetone	4.13	43	951	3.144	ug/l	90
20) Methylene Chloride	4.92	84	7492	Below Cal		91
25) 2-Butanone	7.15	43	1002	2.315	ug/l #	45
29) Tetrahydrofuran	7.53	42	385	1.314	ug/l #	79
36) 1,1-Dichloropropene	7.95	75	9959	4.371	ug/l #	48
38) Carbon Tetrachloride	7.95	117	14264	5.804	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	49444	50.650	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49444	105.708	ug/l #	14

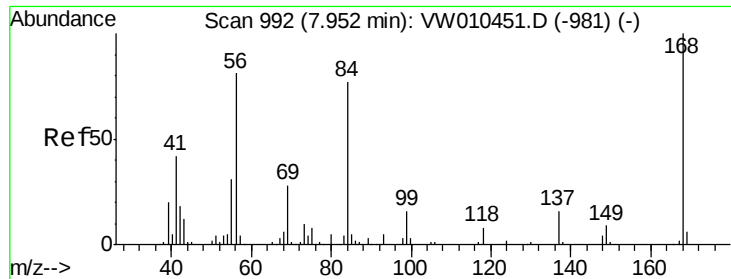
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

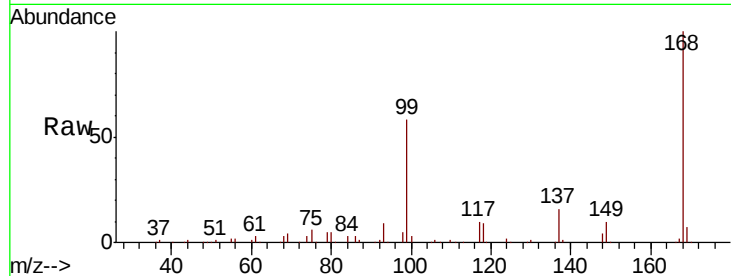
FESB-27(3.5-4)

Tot Ion:168 Resp: 143561

Ion Ratio Lower Upper

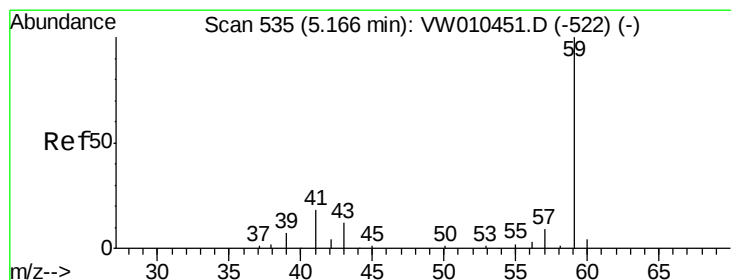
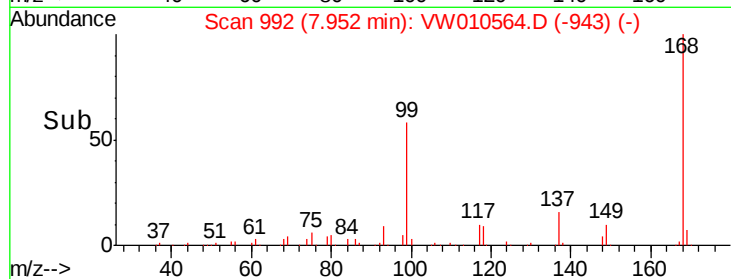
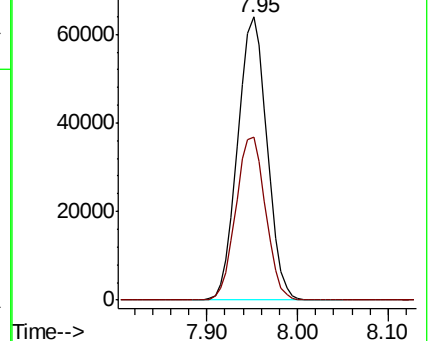
168 100

99 57.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.551 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW010564.D

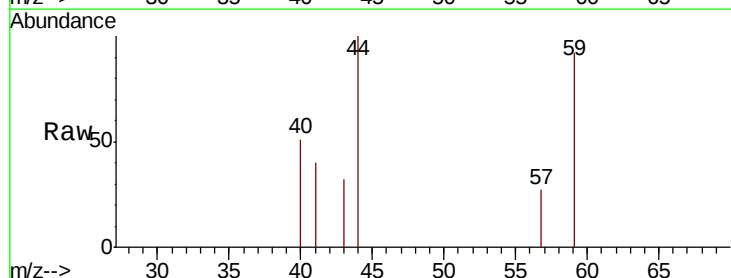
Acq: 28 May 2019 13:50

Tgt Ion: 59 Resp: 340

Ion Ratio Lower Upper

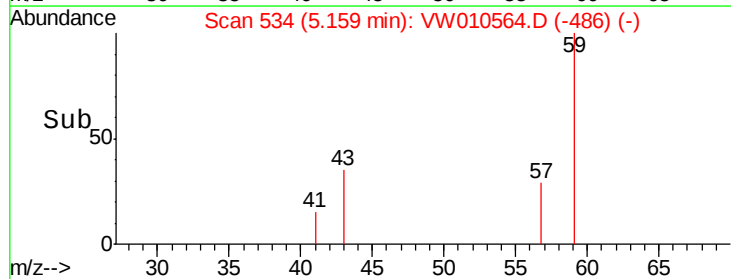
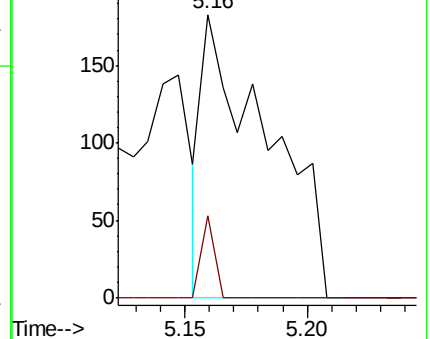
59 100

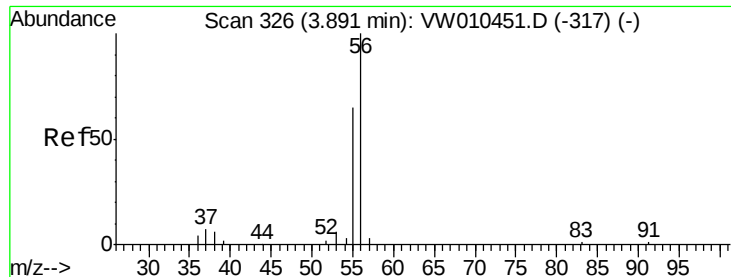
57 5.6 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

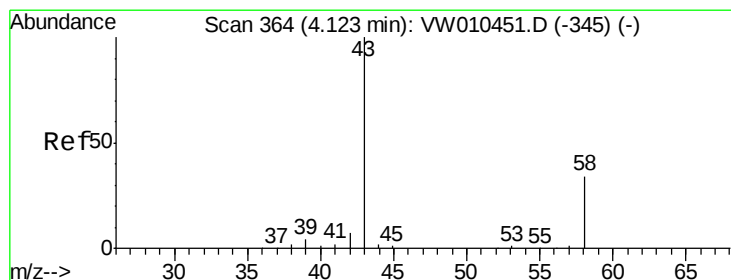
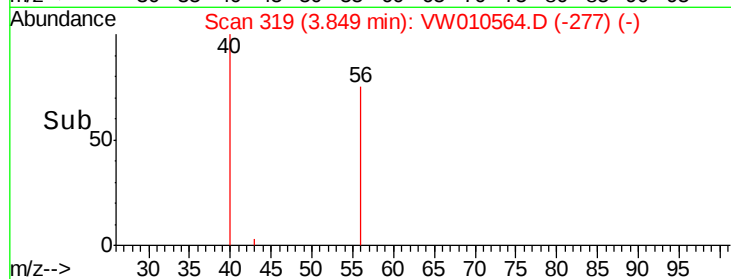
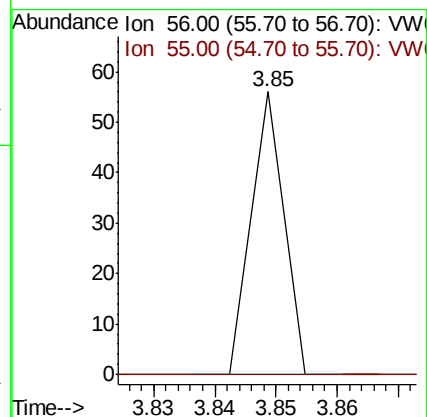
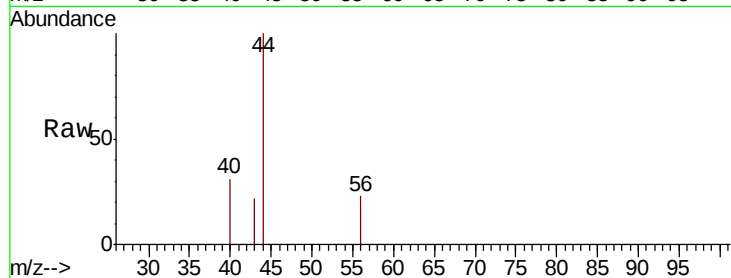
FESB-27(3.5-4)

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 3.144 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010564.D

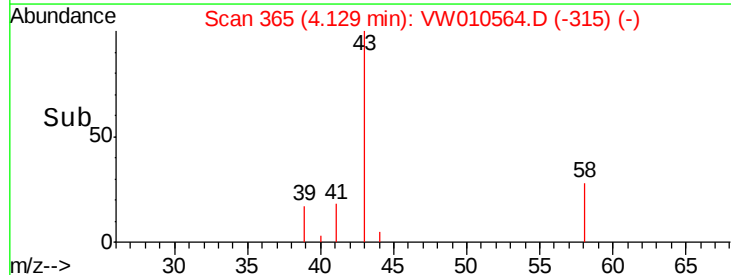
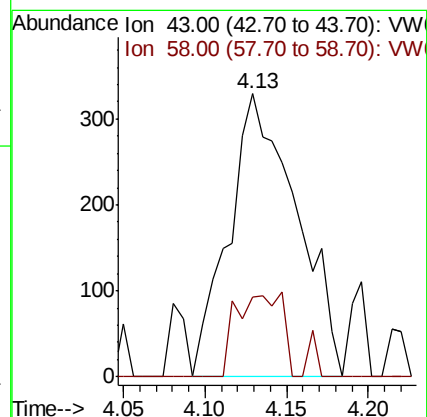
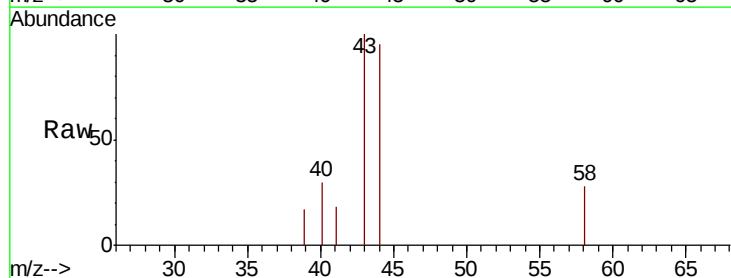
Acq: 28 May 2019 13:50

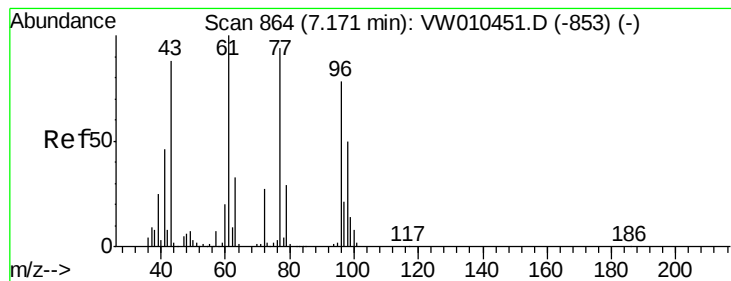
Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 28.3 27.0 40.4





#25

2-Butanone

Concen: 2.315 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

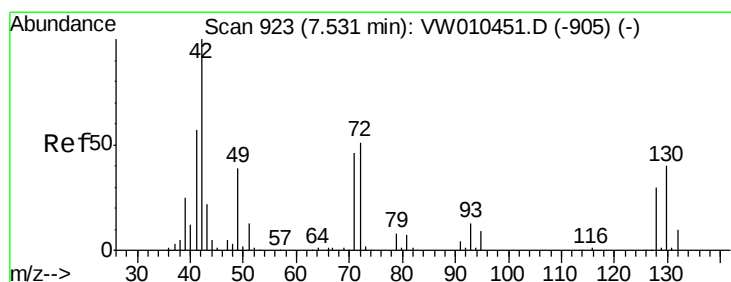
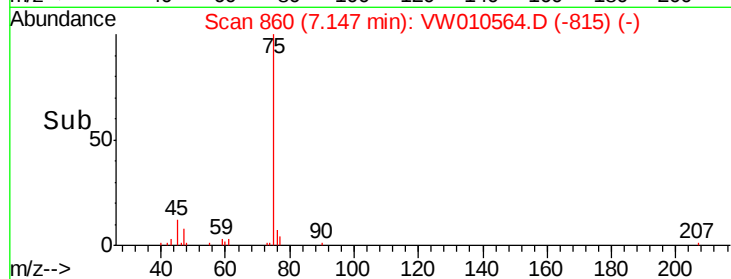
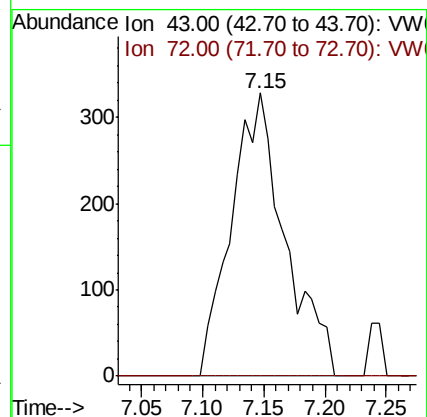
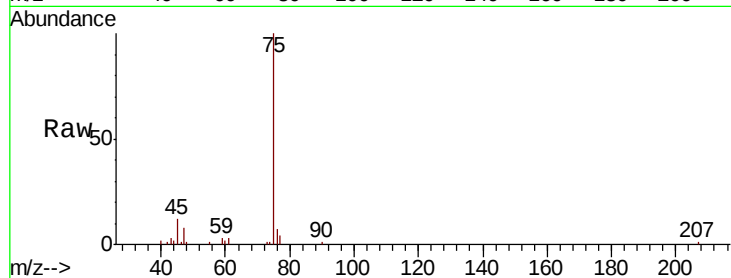
FESB-27(3.5-4)

Tot Ion: 43 Resp: 1002

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.314 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

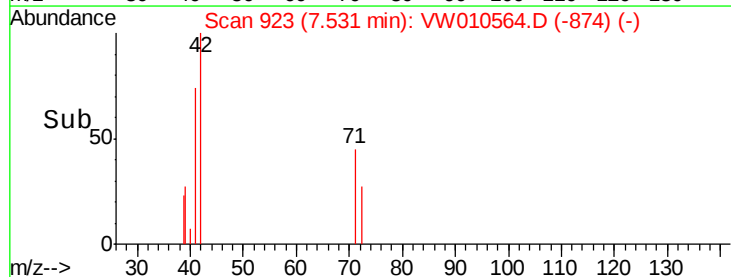
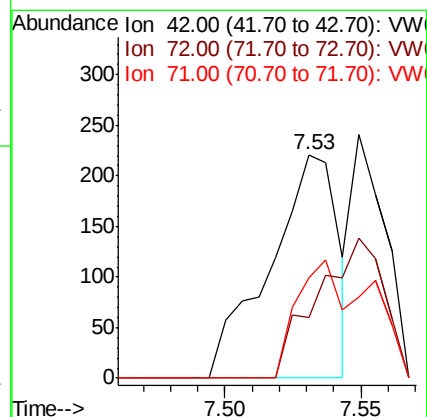
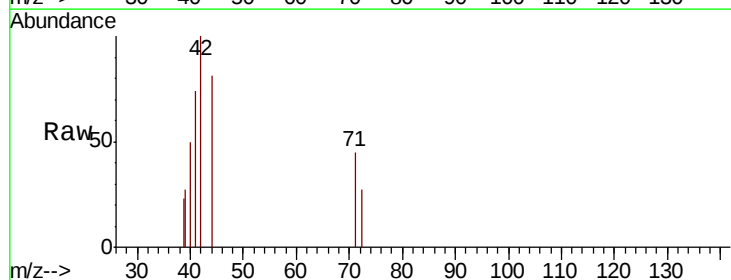
Tgt Ion: 42 Resp: 385

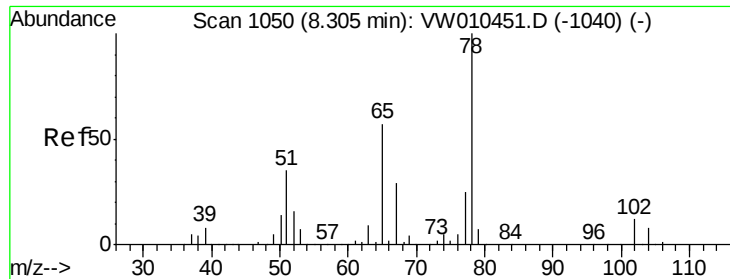
Ion Ratio Lower Upper

42 100

72 66.0 38.5 57.7#

71 55.6 36.5 54.7#

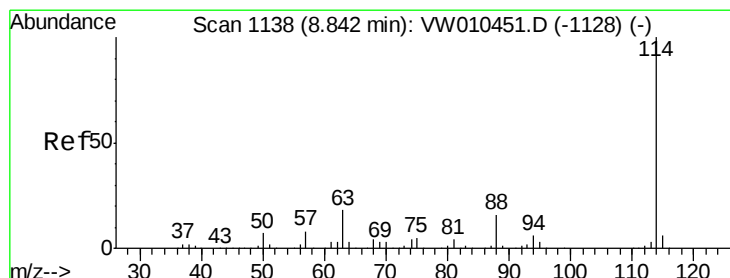
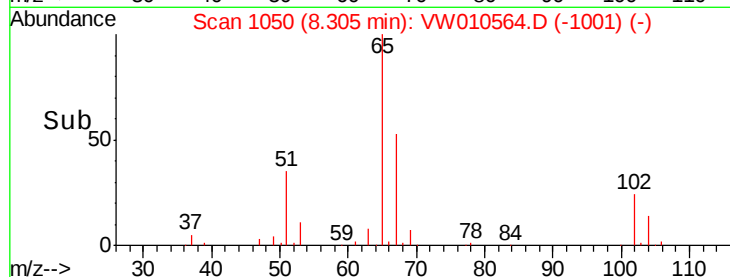
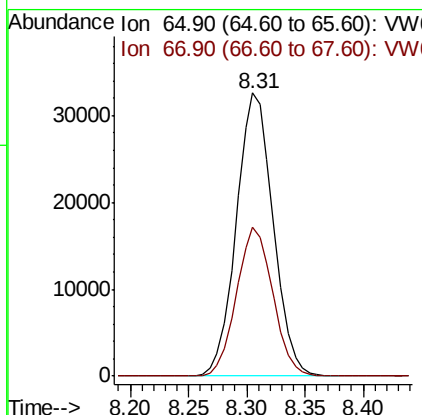
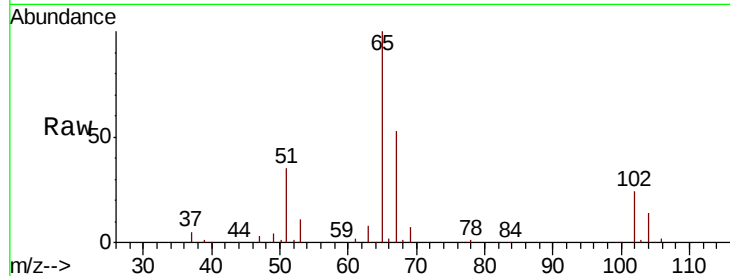




#33
 1,2-Dichloroethane-d4
 Concen: 48.400 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010564.D
 Acq: 28 May 2019 13:50

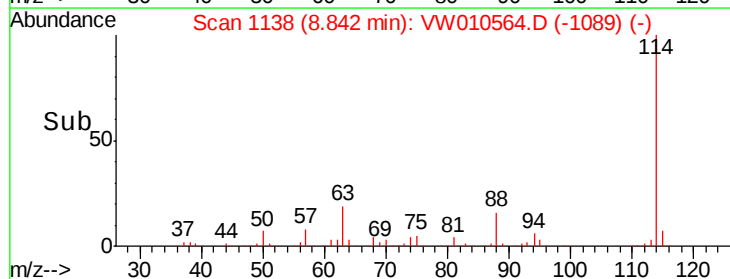
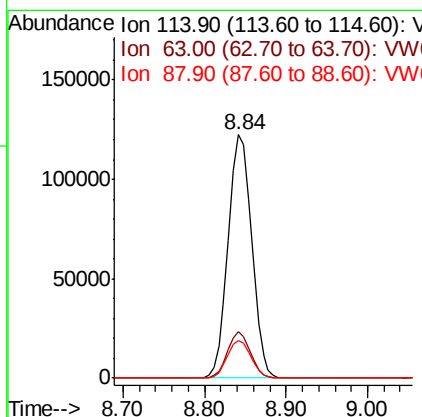
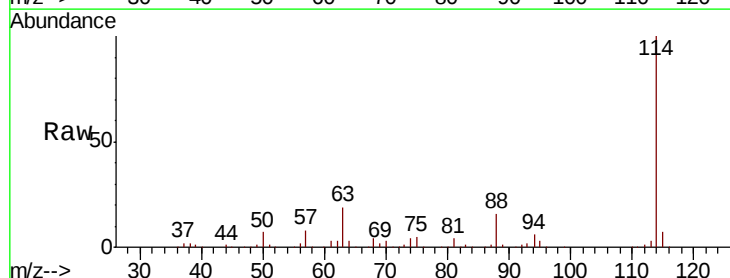
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-27(3.5-4)

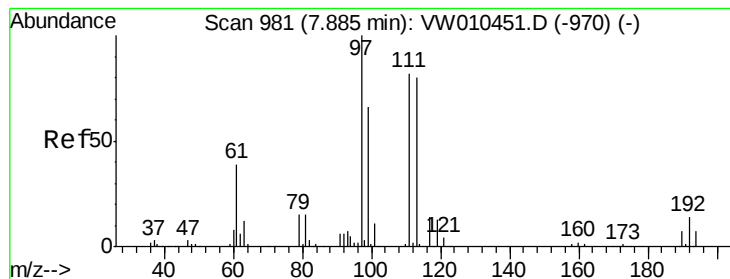
Tot Ion: 65 Resp: 71719
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010564.D
 Acq: 28 May 2019 13:50

Tgt Ion: 114 Resp: 244580
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.036 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)

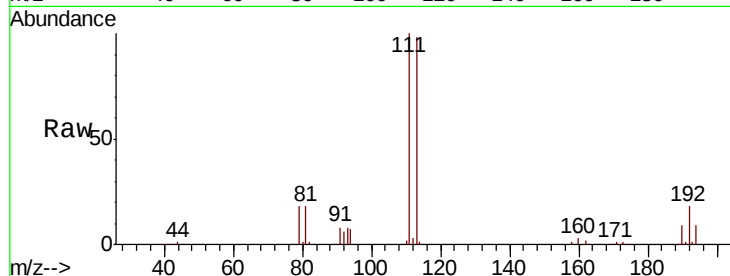
Tot Ion:113 Resp: 74257

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

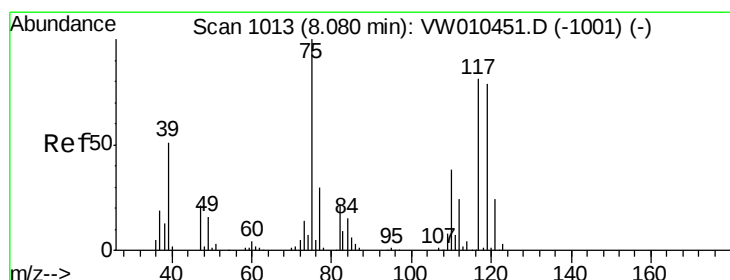
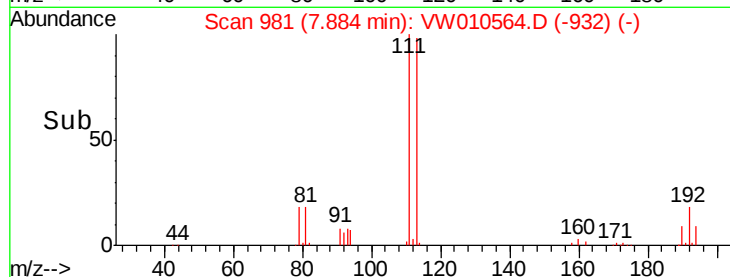
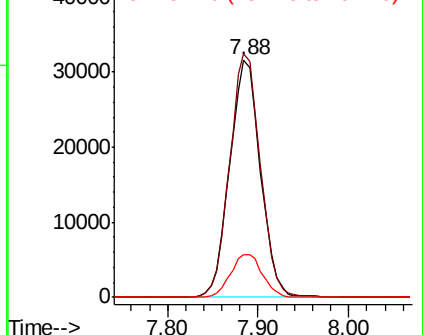
192 18.7 14.3 21.5



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: 4.371 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

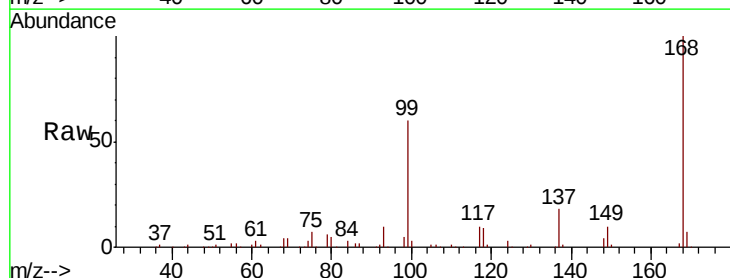
Tgt Ion: 75 Resp: 9959

Ion Ratio Lower Upper

75 100

110 9.1 19.2 57.6#

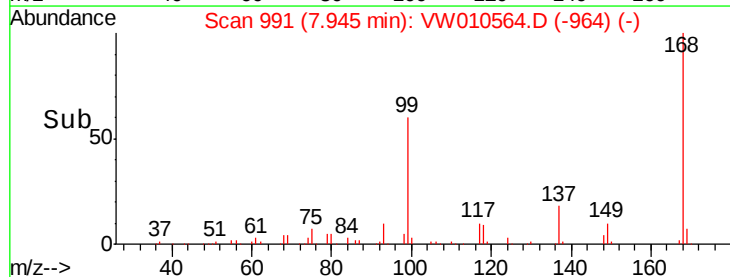
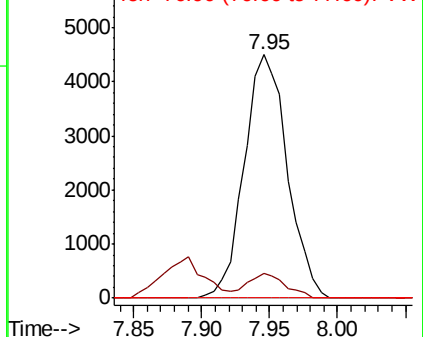
77 0.0 25.2 37.8#

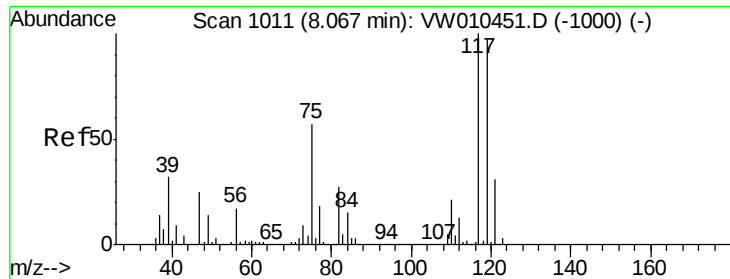


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.804 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010564.D

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FESB-27(3.5-4)

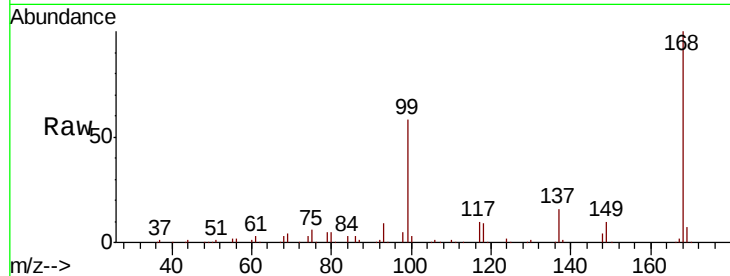
Tot Ion:117 Resp: 14264

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

121 0.0 25.0 37.6#

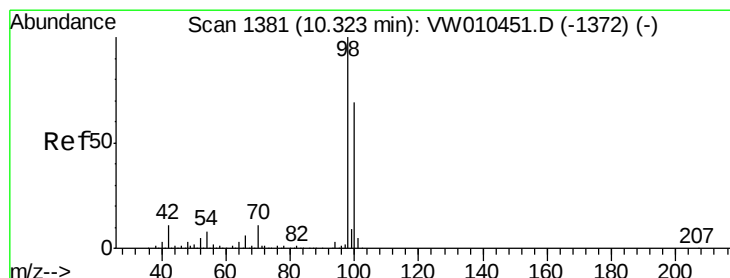
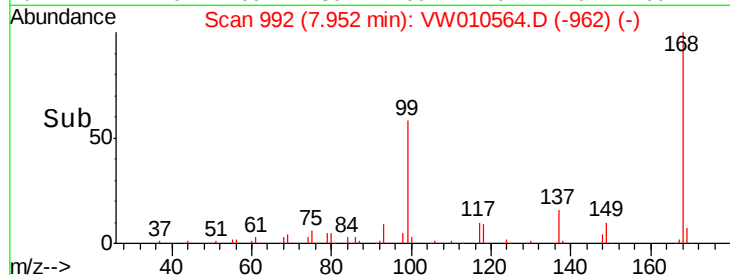
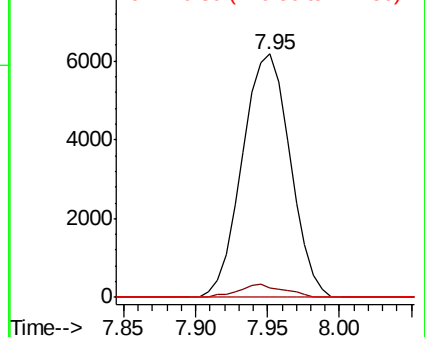


Abundance

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: 51.970 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010564.D

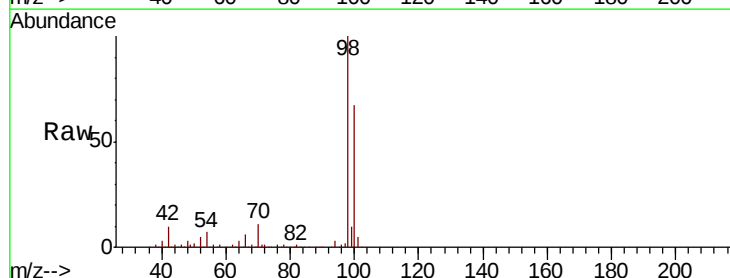
Acq: 28 May 2019 13:50

Tgt Ion: 98 Resp: 294645

Ion Ratio Lower Upper

98 100

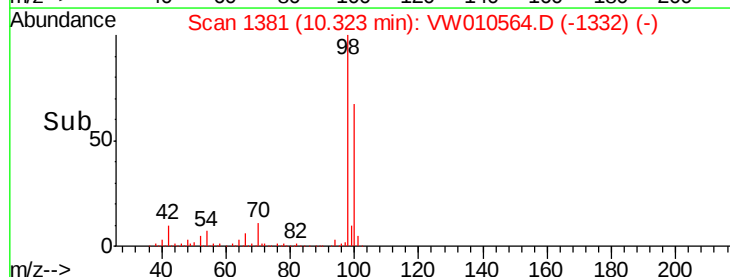
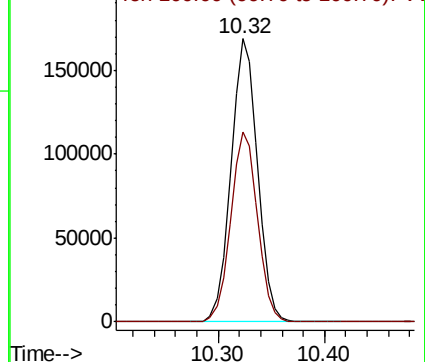
100 67.6 53.7 80.5

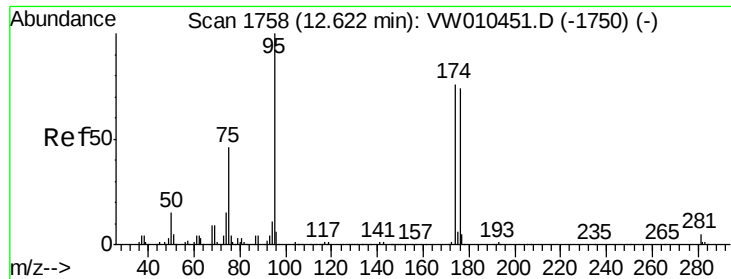


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.172 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)

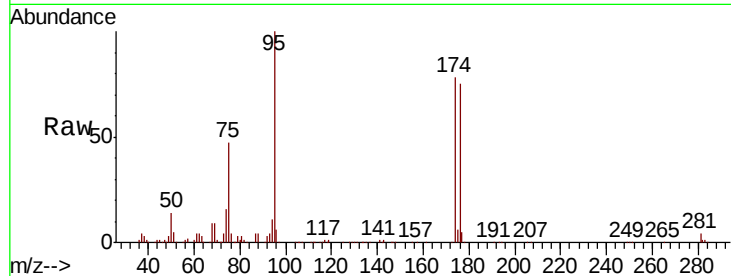
Tot Ion: 95 Resp: 106526

Ion Ratio Lower Upper

95 100

174 75.9 0.0 148.6

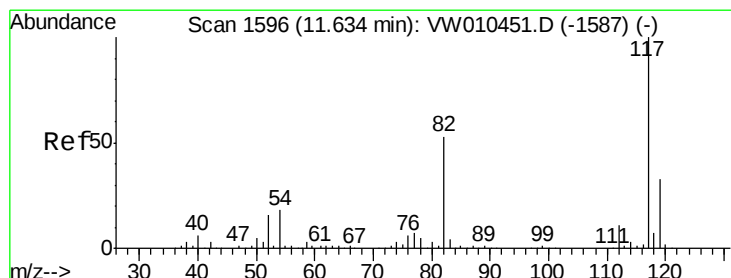
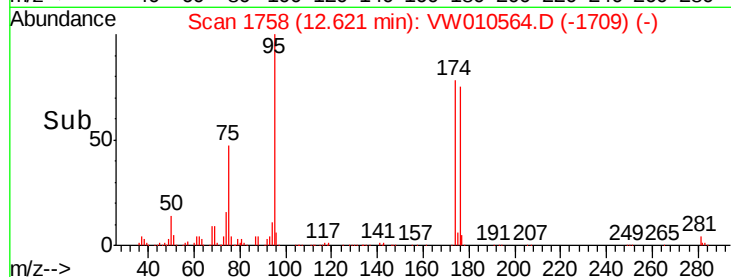
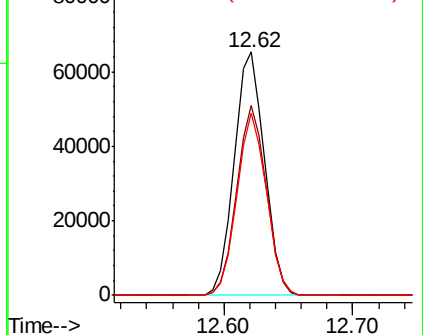
176 72.5 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

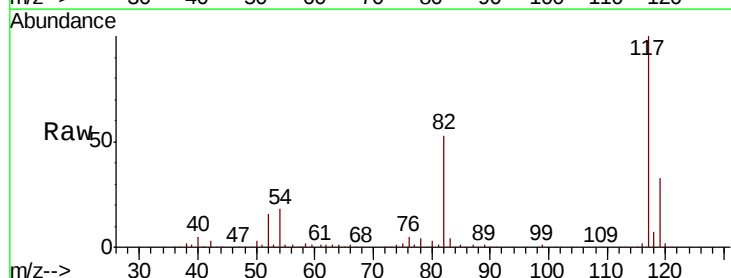
Tgt Ion: 117 Resp: 213073

Ion Ratio Lower Upper

117 100

82 52.7 42.8 64.2

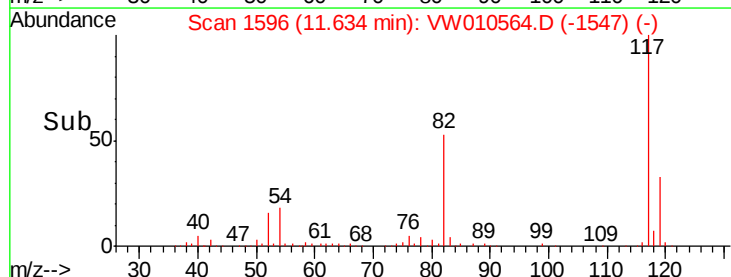
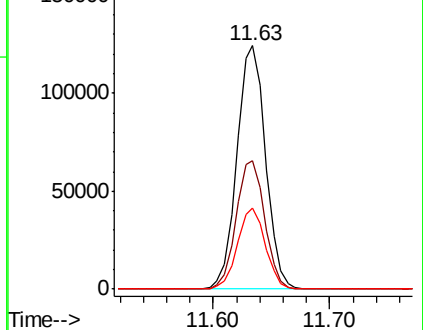
119 33.4 26.3 39.5

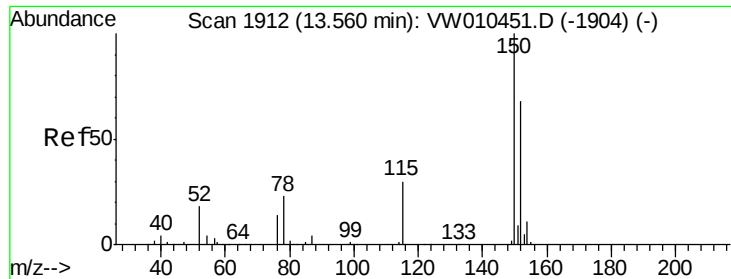


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): 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: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)

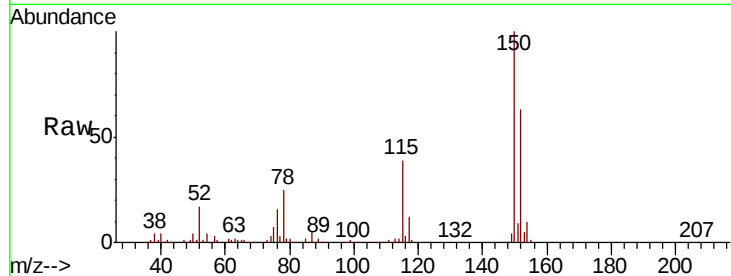
Tot Ion:152 Resp: 96170

Ion Ratio Lower Upper

152 100

115 61.3 30.3 91.0

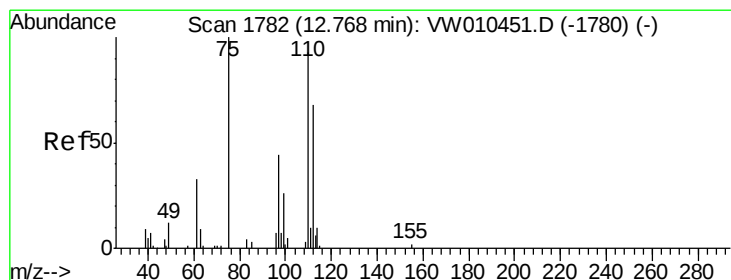
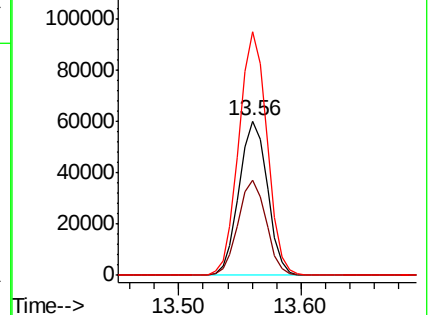
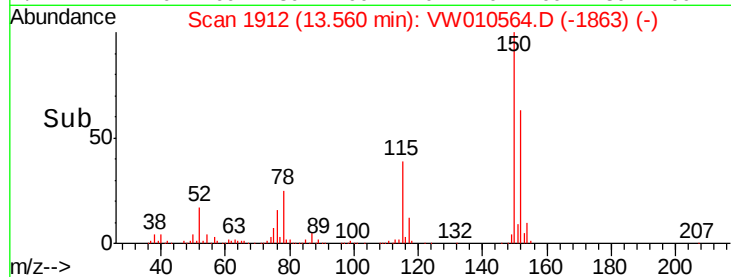
150 156.5 0.0 349.8



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: 50.650 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010564.D

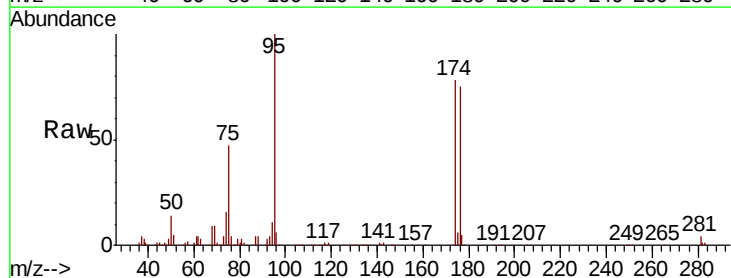
Acq: 28 May 2019 13:50

Tgt Ion: 75 Resp: 49444

Ion Ratio Lower Upper

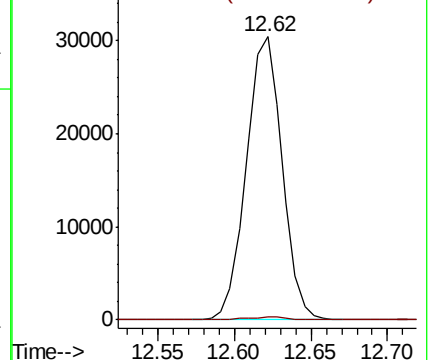
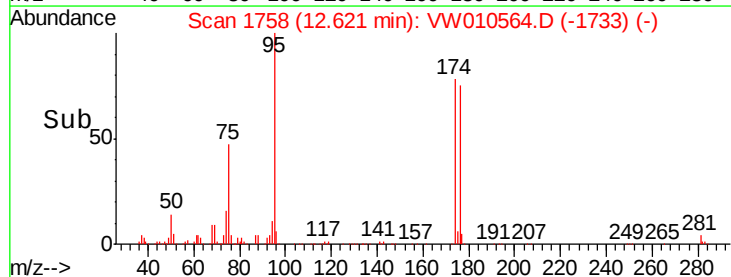
75 100

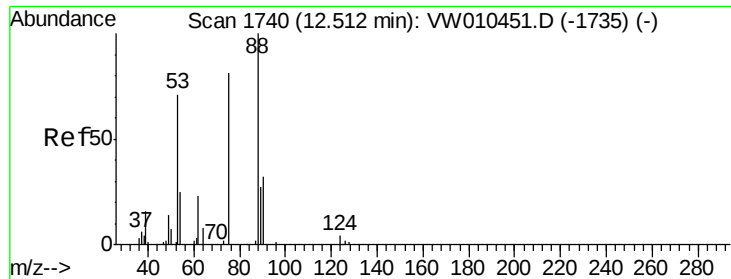
77 1.1 170.0 510.1#



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: 105.708 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010564.D

Acq: 28 May 2019 13:50

Instrument :

MSVOA_W

ClientSampleId :

FESB-27(3.5-4)

Tot Ion: 75 Resp: 49444

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

