

Data File : VW010548.D
Acq On : 24 May 2019 14:09
Operator : SY/VA
Sample : K3036-01
Misc : 6.24G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FESB-26(2.5-3)

Quant Time: May 25 01:12:14 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	131085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69484	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.88	113	70860	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.32	98	280388	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.62	95	100241	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds

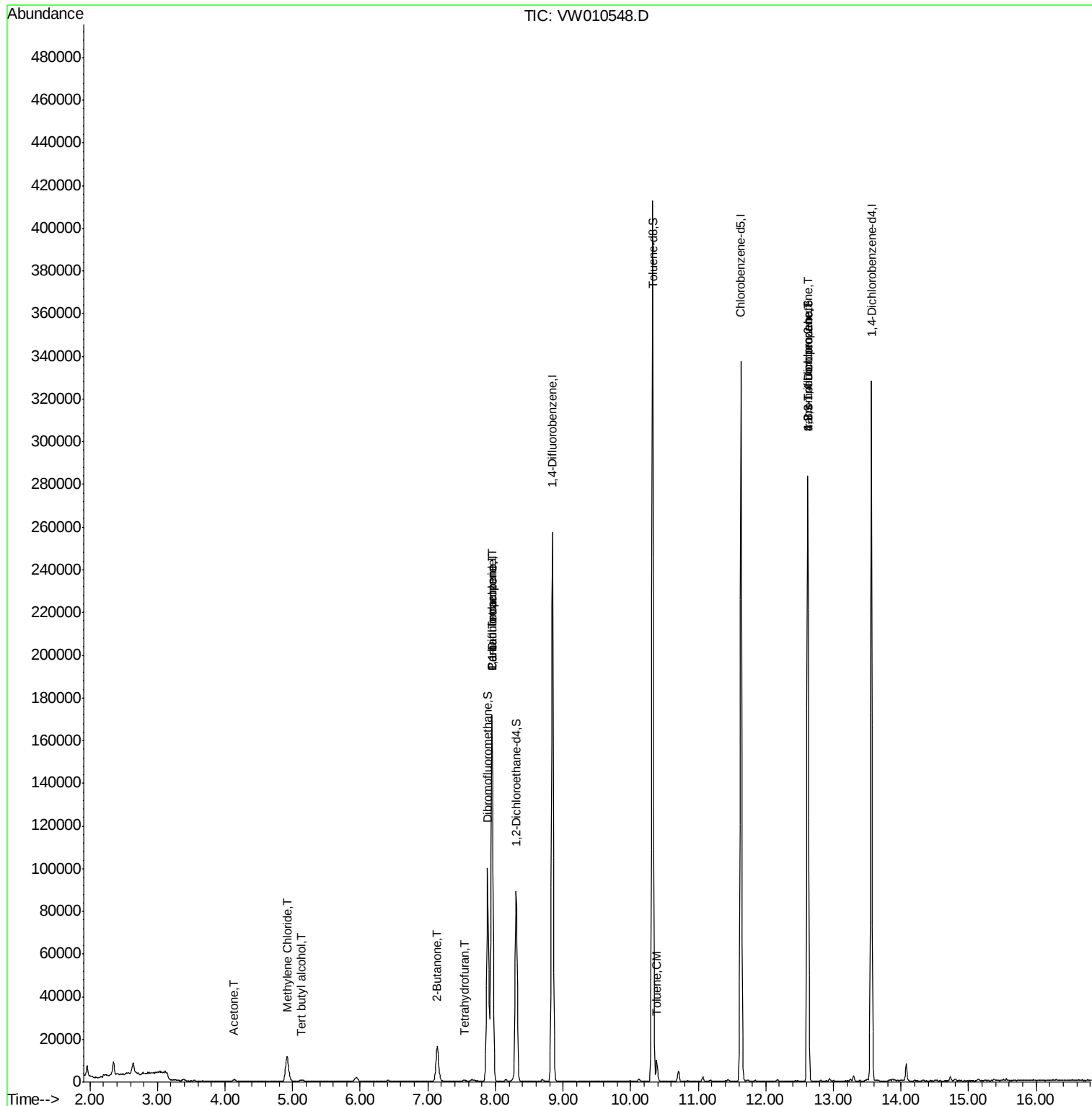
						Qvalue
2) Dichlorodifluoromethane	1.99	85	20	Below Cal	#	42
11) Tert butyl alcohol	5.13	59	407	3.344	ug/l #	71
13) Acrolein	3.88	56	20	Below Cal	#	13
16) Acetone	4.14	43	1660	6.011	ug/l	97
20) Methylene Chloride	4.92	84	9925	1.172	ug/l	98
25) 2-Butanone	7.15	43	807	2.042	ug/l #	45
29) Tetrahydrofuran	7.54	42	457	1.709	ug/l #	66
36) 1,1-Dichloropropene	7.95	75	9846	4.529	ug/l #	48
38) Carbon Tetrachloride	7.95	117	13879	5.918	ug/l #	14
52) Toluene	10.39	92	4264	1.051	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	46826	54.362	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46826	113.455	ug/l #	14

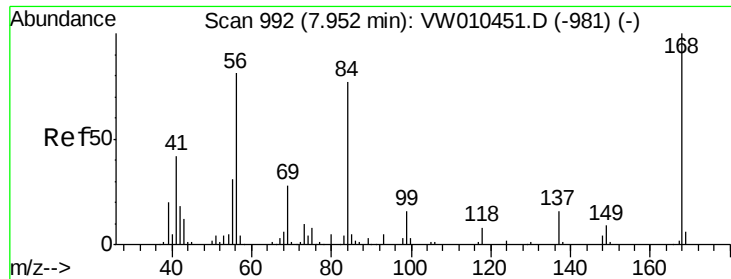
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

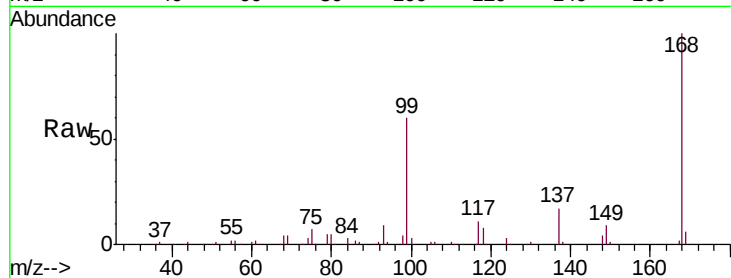
FESB-26(2.5-3)

Tgt Ion: 168 Resp: 131085

Ion Ratio Lower Upper

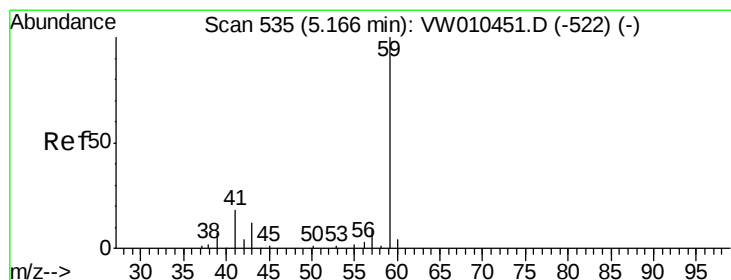
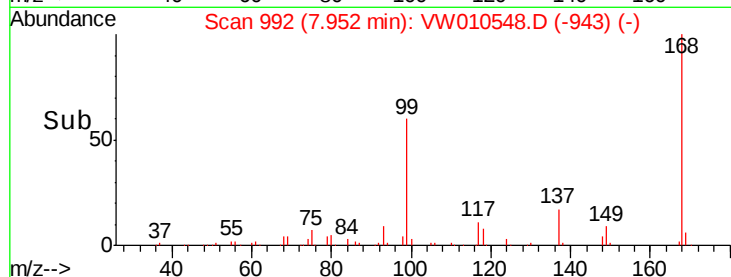
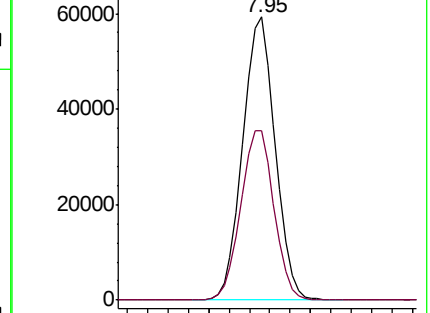
168 100

99 59.9 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: 3.344 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010548.D

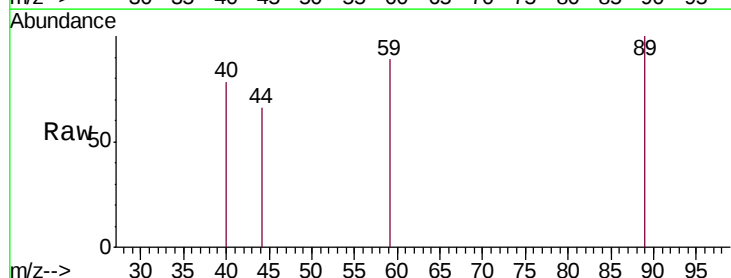
Acq: 24 May 2019 14:09

Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

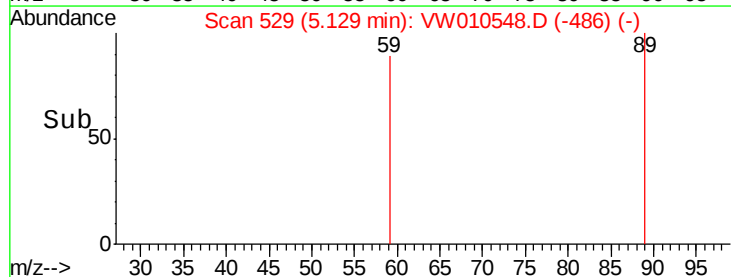
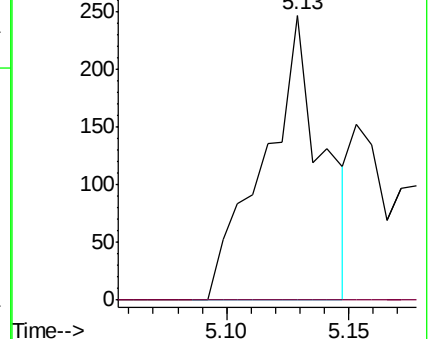
59 100

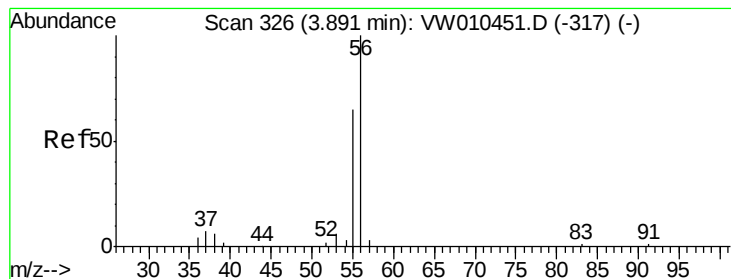
57 0.0 8.8 13.2#



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: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

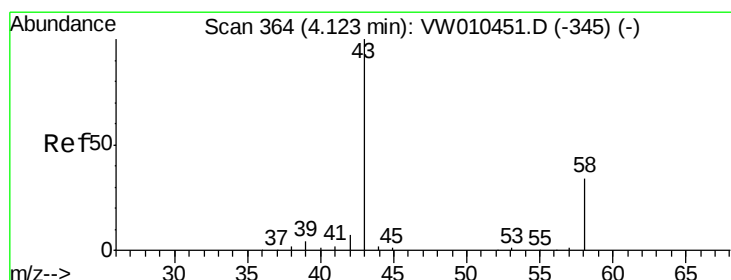
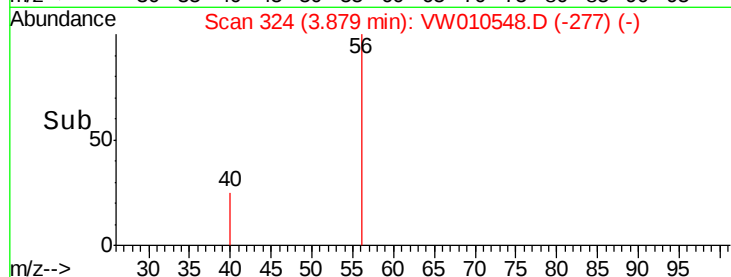
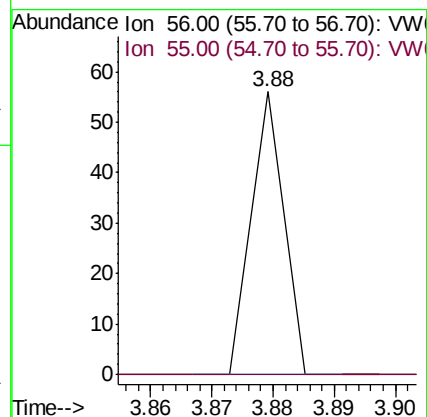
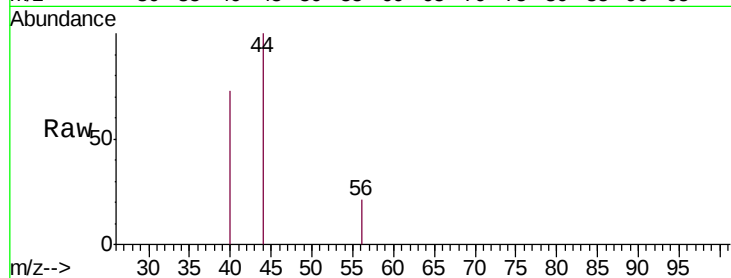
FESB-26(2.5-3)

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 6.011 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW010548.D

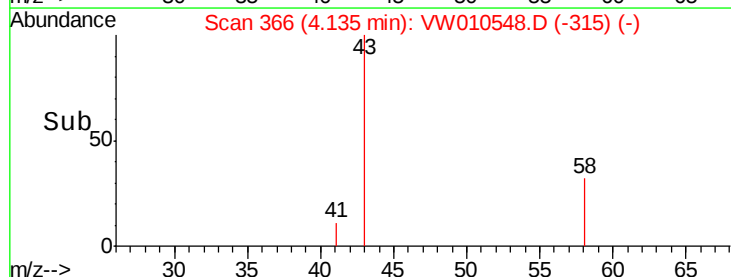
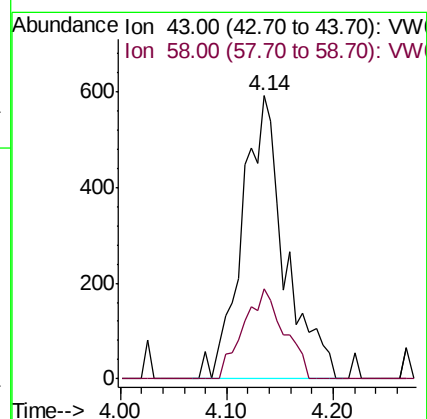
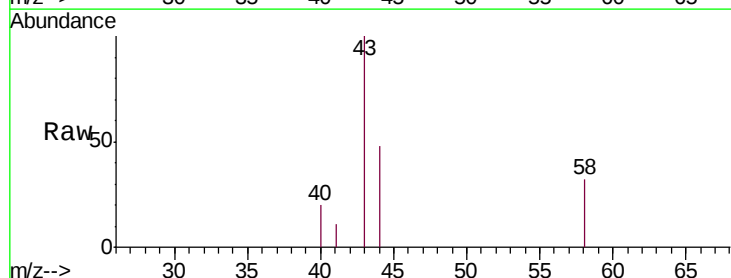
Acq: 24 May 2019 14:09

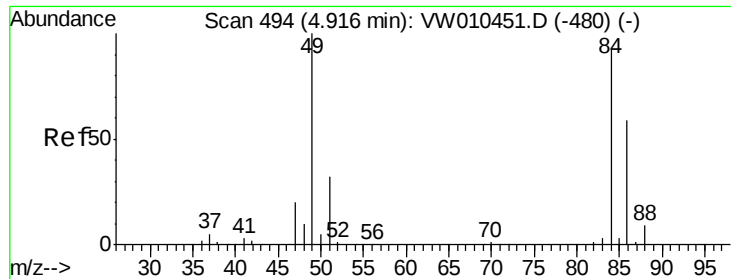
Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

58 31.8 27.0 40.4

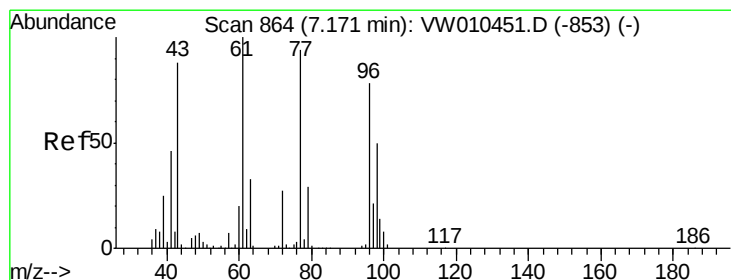
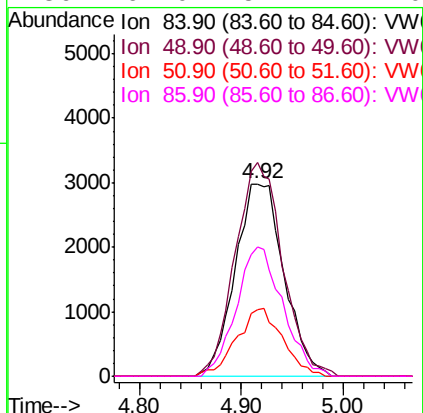
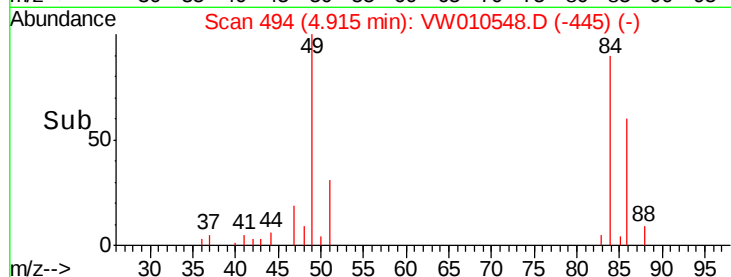
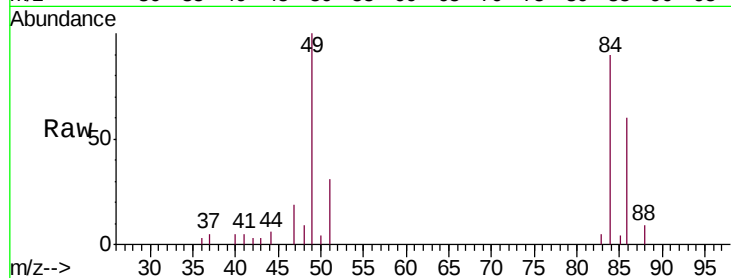




#20
Methylene Chloride
Concen: 1.172 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

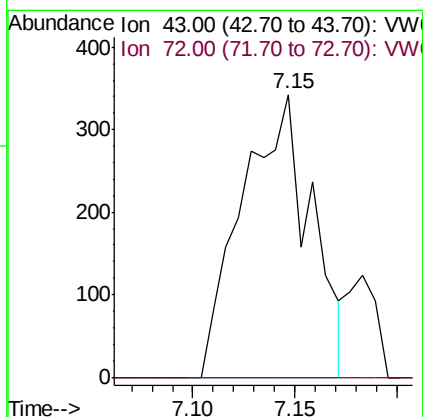
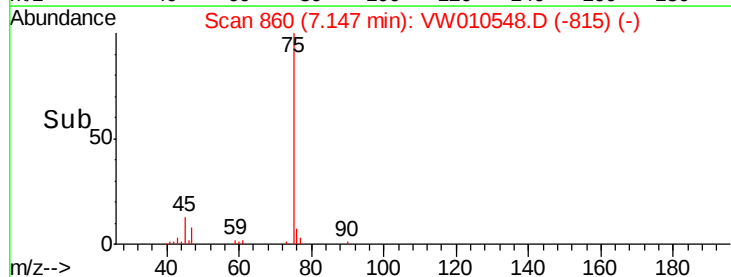
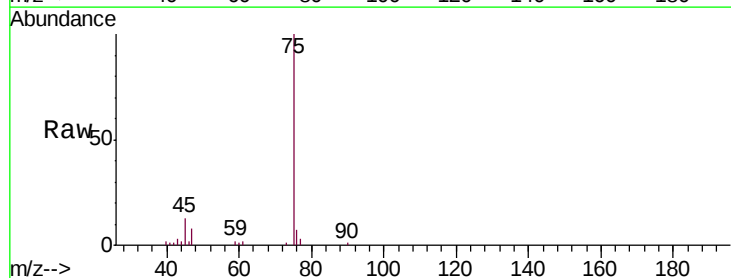
Instrument :
MSVOA_W
ClientSampleId :
FESB-26(2.5-3)

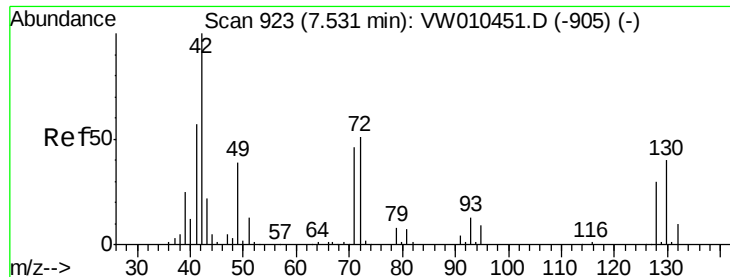
Tgt Ion:	84	Resp:	9925
Ion	Ratio	Lower	Upper
84	100		
49	111.0	87.2	130.8
51	34.6	27.7	41.5
86	67.0	51.4	77.0



#25
2-Butanone
Concen: 2.042 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

Tgt Ion:	43	Resp:	807
Ion	Ratio	Lower	Upper
43	100		
72	0.0	24.1	36.1#

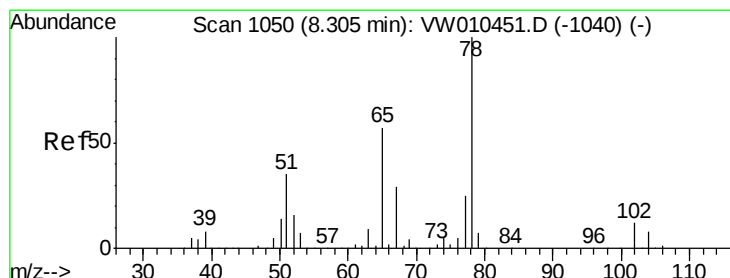
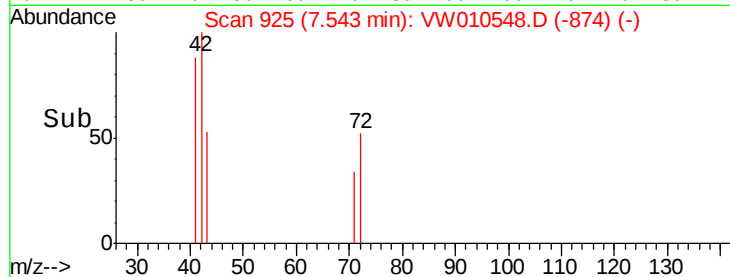
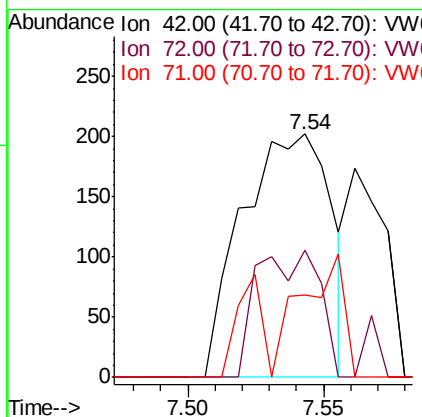
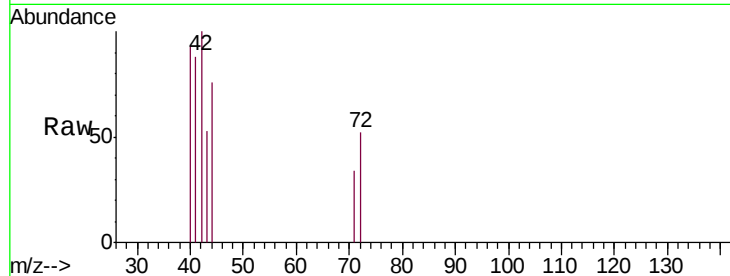




#29
Tetrahydrofuran
Concen: 1.709 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

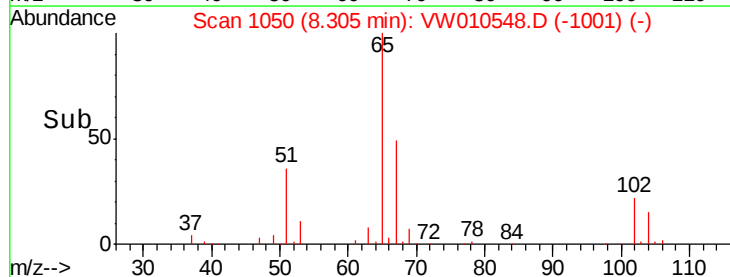
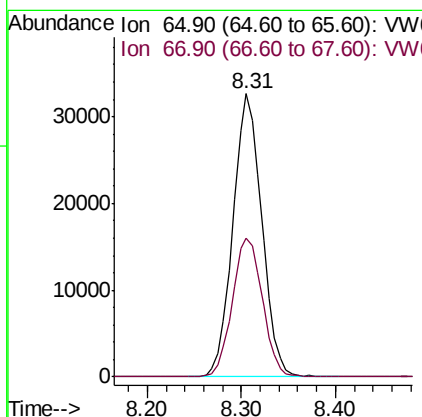
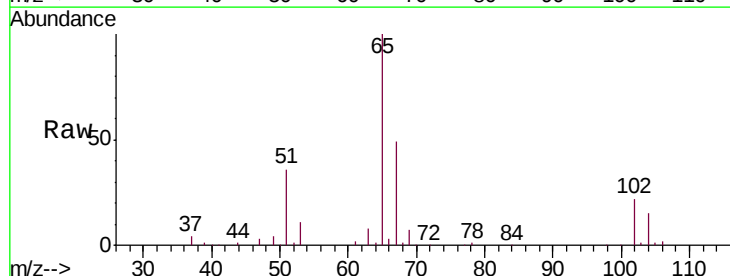
Instrument :
MSVOA_W
ClientSampleId :
FESB-26(2.5-3)

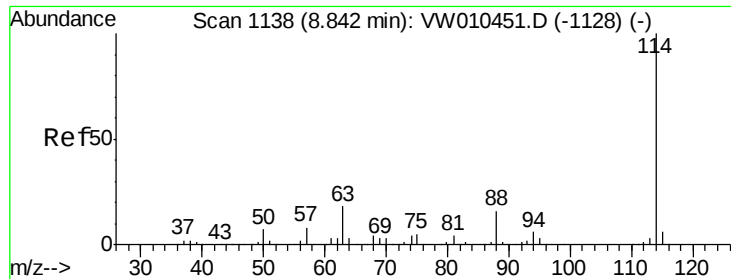
Tgt Ion: 42 Resp: 457
Ion Ratio Lower Upper
42 100
72 36.5 38.5 57.7#
71 11.6 36.5 54.7#



#33
1,2-Dichloroethane-d4
Concen: 51.355 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

Tgt Ion: 65 Resp: 69484
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.6

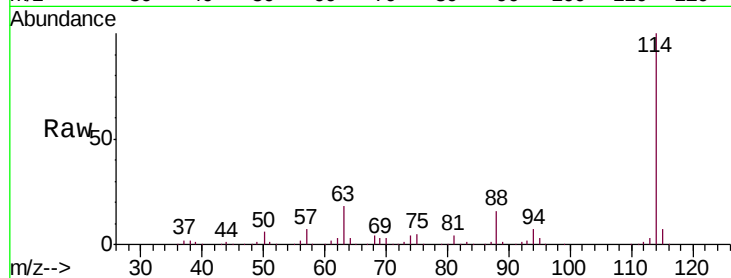




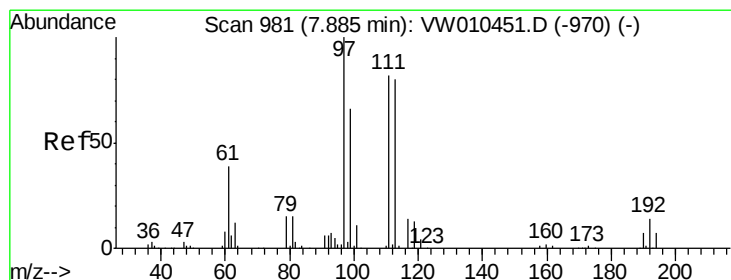
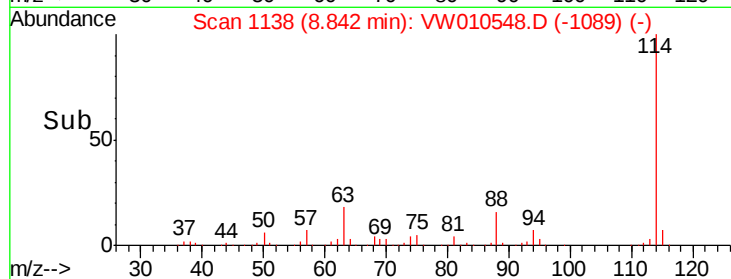
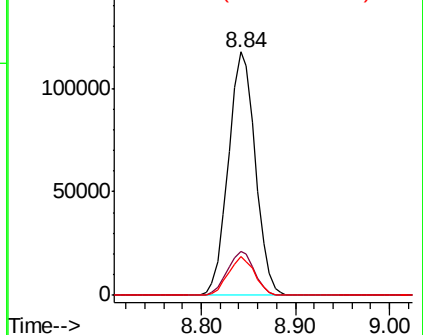
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010548.D
 Acq: 24 May 2019 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-26(2.5-3)

Tgt Ion:114 Resp: 233375
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 15.8 0.0 32.0

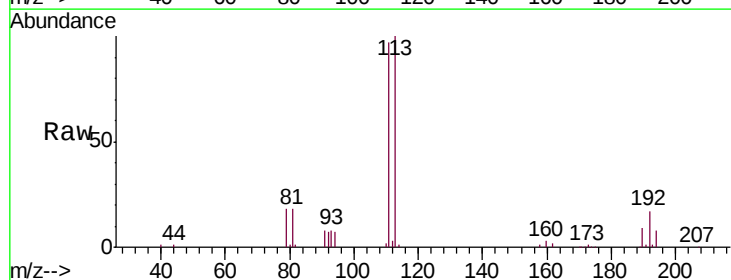


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

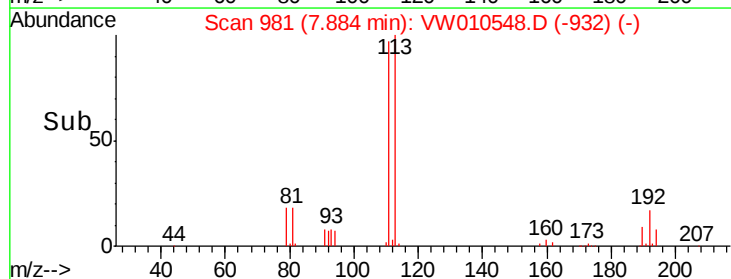
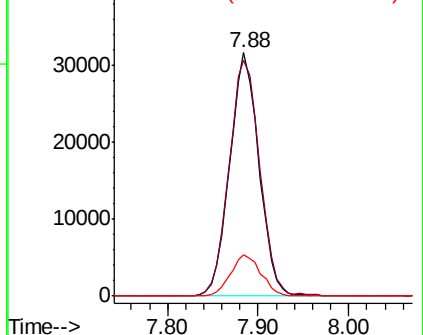


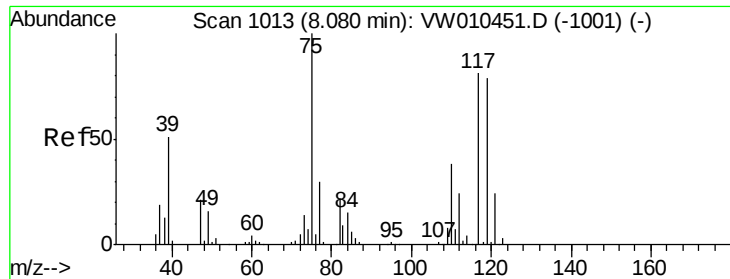
#35
 Dibromofluoromethane
 Concen: 50.040 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010548.D
 Acq: 24 May 2019 14:09

Tgt Ion:113 Resp: 70860
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 17.7 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: 4.529 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

FESB-26(2.5-3)

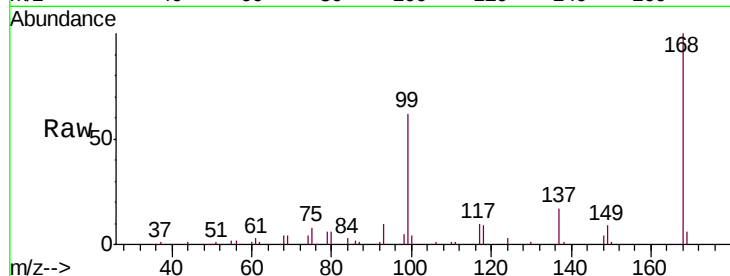
Tgt Ion: 75 Resp: 9846

Ion Ratio Lower Upper

75 100

110 8.8 19.2 57.6#

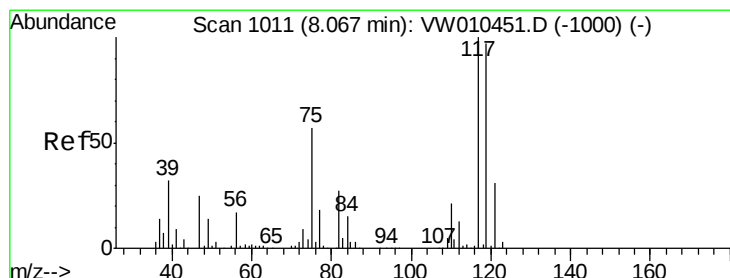
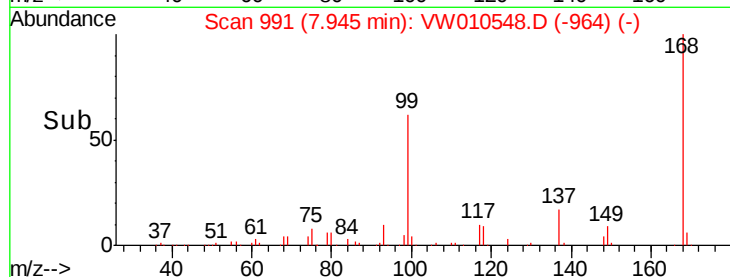
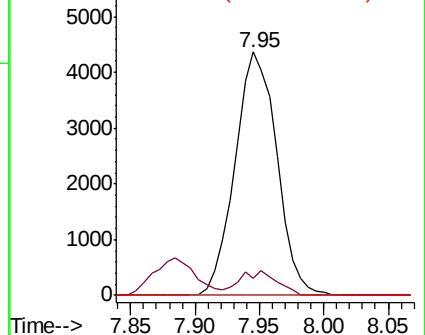
77 0.0 25.2 37.8#



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: 5.918 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010548.D

Acq: 24 May 2019 14:09

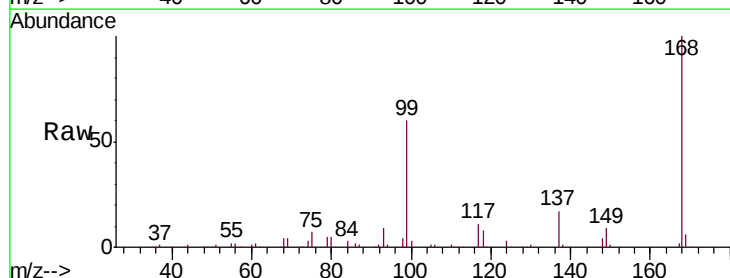
Tgt Ion: 117 Resp: 13879

Ion Ratio Lower Upper

117 100

119 3.4 77.4 116.0#

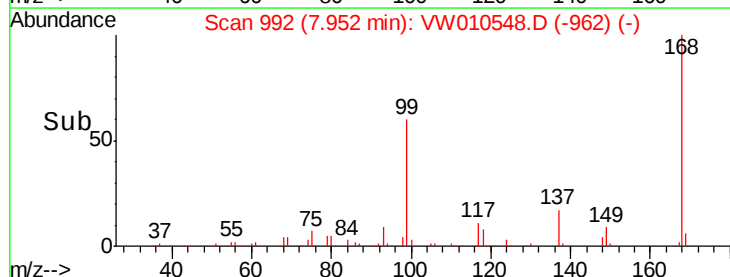
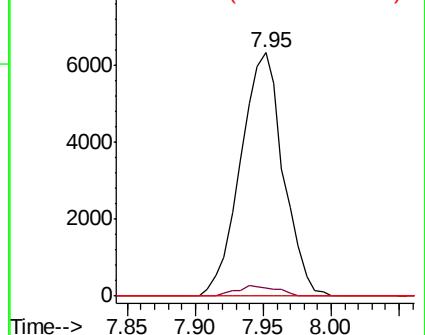
121 0.0 25.0 37.6#

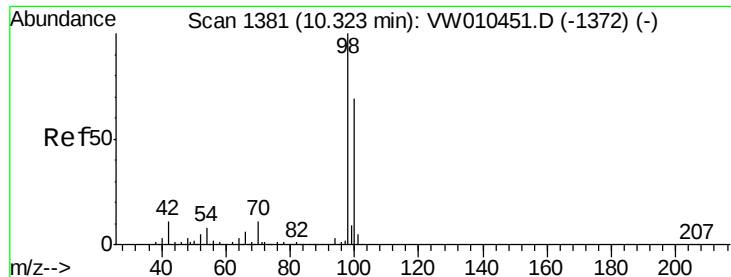


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

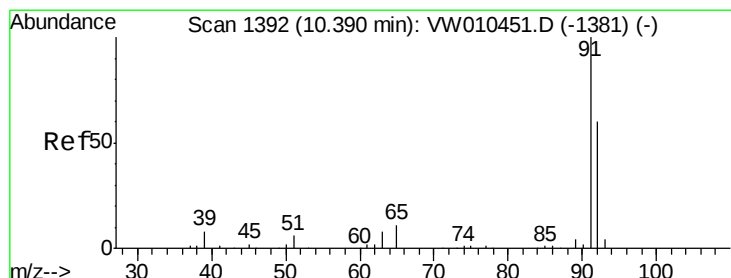
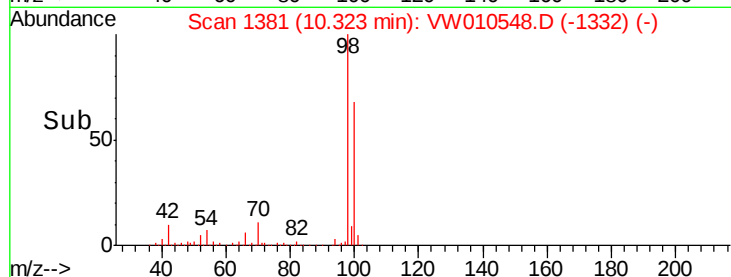
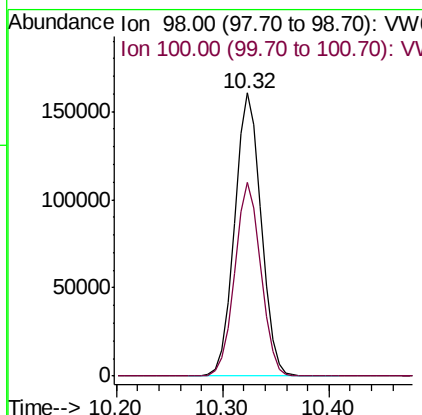
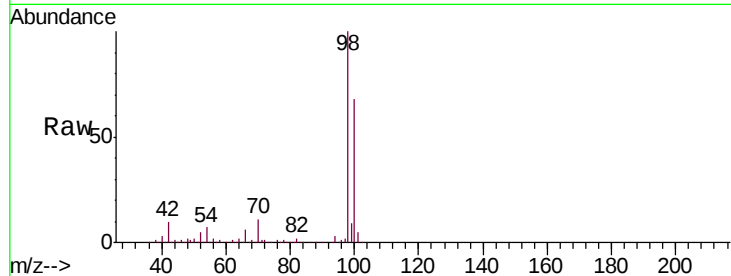




#50
Toluene-d8
Concen: 51.830 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

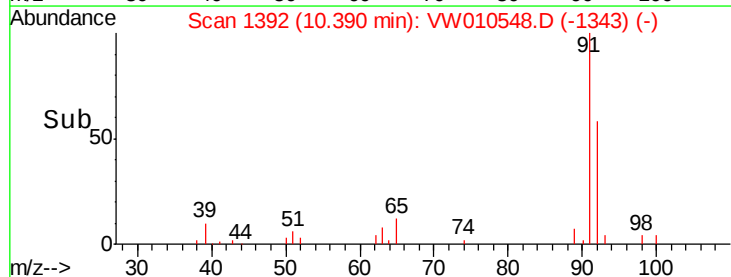
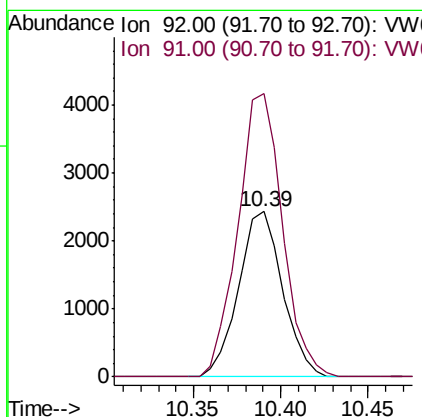
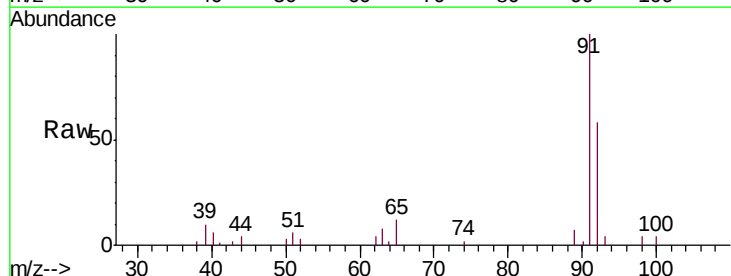
Instrument :
MSVOA_W
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FESB-26(2.5-3)

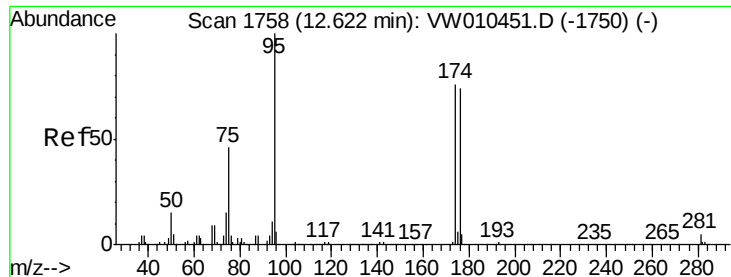
Tgt Ion: 98 Resp: 280388
Ion Ratio Lower Upper
98 100
100 67.3 53.7 80.5



#52
Toluene
Concen: 1.051 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010548.D
Acq: 24 May 2019 14:09

Tgt Ion: 92 Resp: 4264
Ion Ratio Lower Upper
92 100
91 173.4 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

FESB-26(2.5-3)

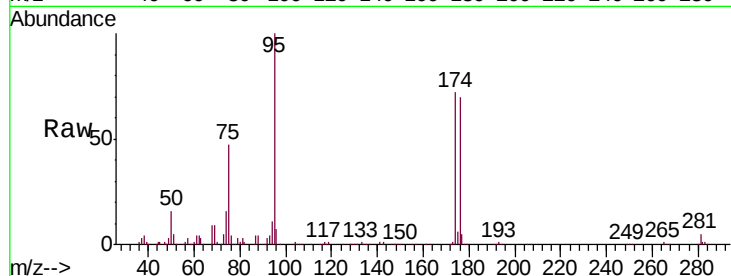
Tgt Ion: 95 Resp: 100241

Ion Ratio Lower Upper

95 100

174 70.0 0.0 148.6

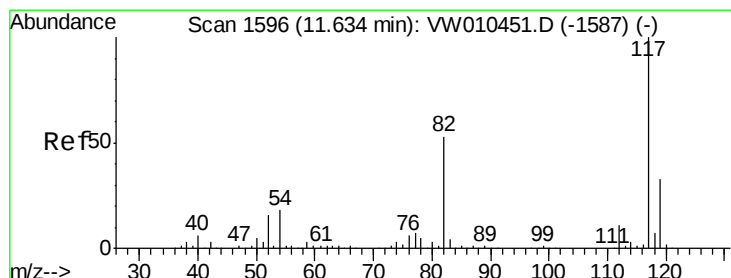
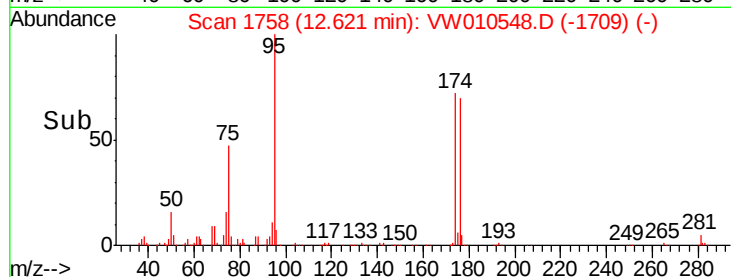
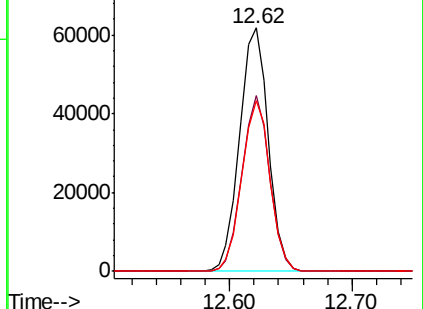
176 69.1 0.0 144.2



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: VW010548.D

Acq: 24 May 2019 14:09

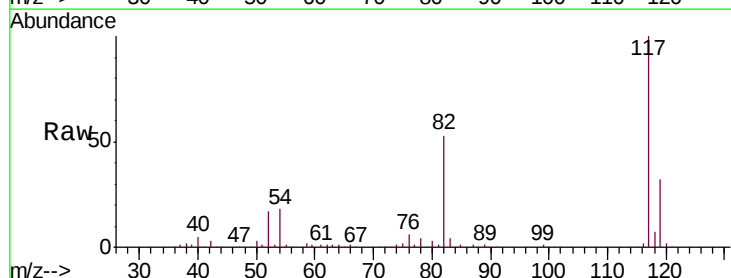
Tgt Ion: 117 Resp: 200768

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

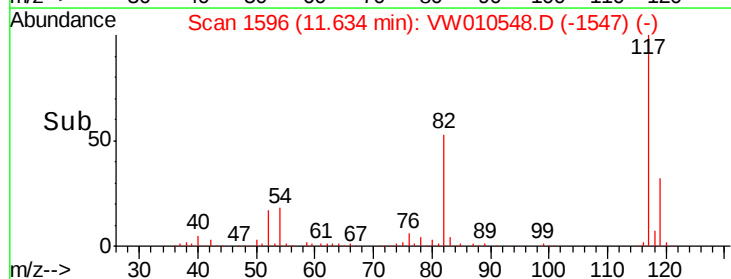
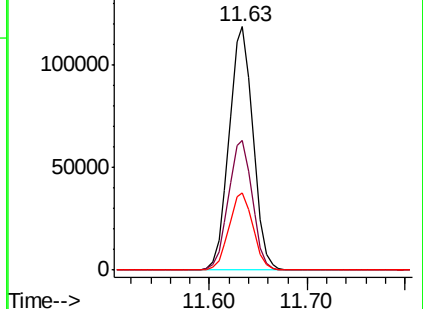
119 31.8 26.3 39.5

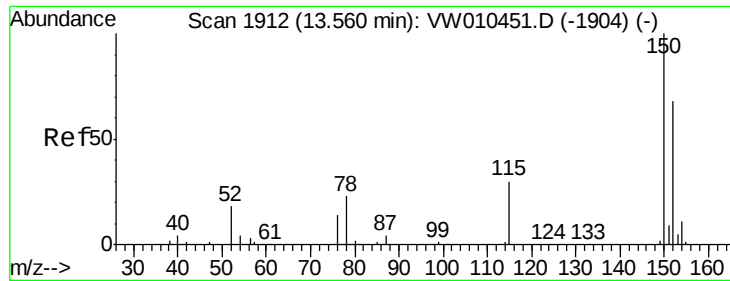


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampled :

FESB-26(2.5-3)

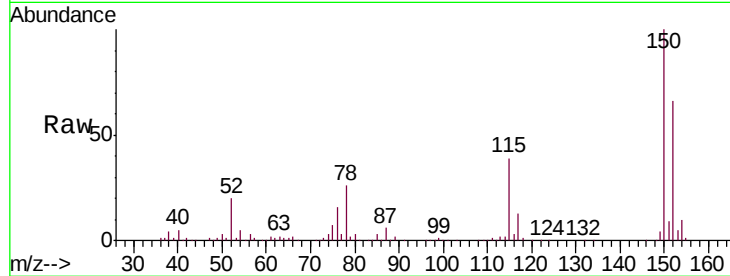
Tgt Ion:152 Resp: 84859

Ion Ratio Lower Upper

152 100

115 62.1 30.3 91.0

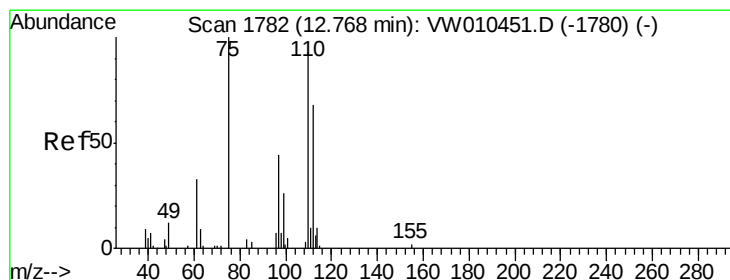
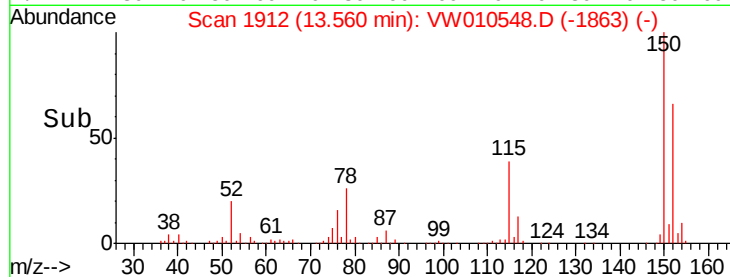
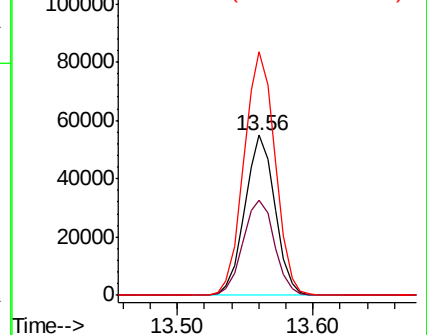
150 157.6 0.0 349.8



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: 54.362 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010548.D

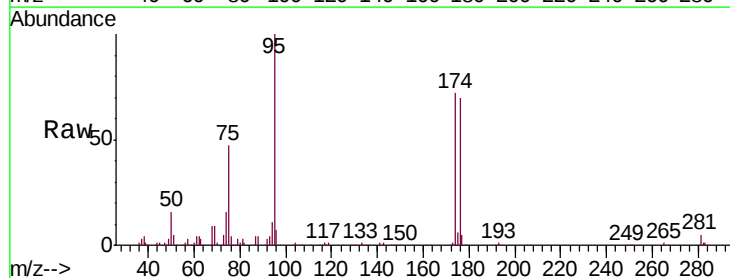
Acq: 24 May 2019 14:09

Tgt Ion: 75 Resp: 46826

Ion Ratio Lower Upper

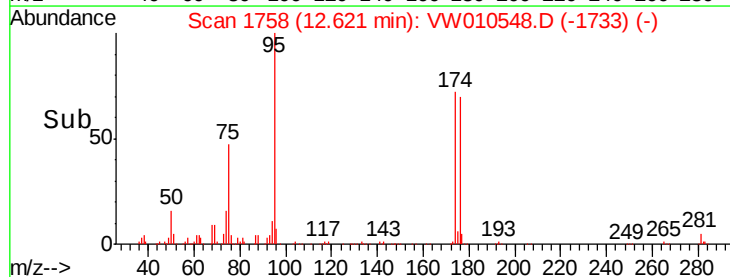
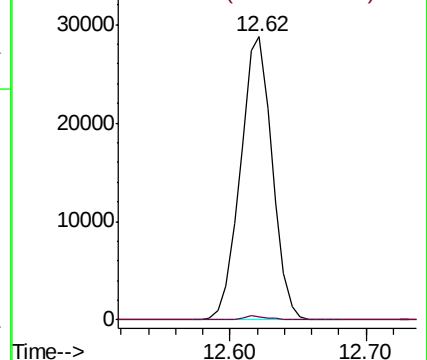
75 100

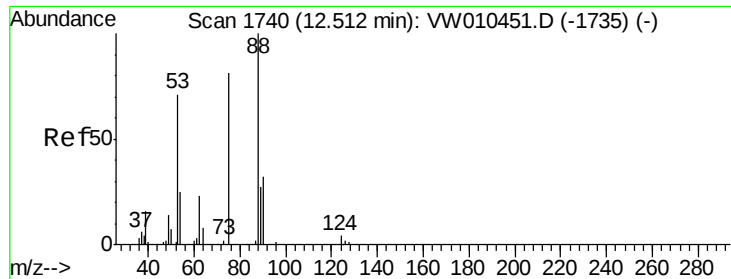
77 1.1 170.0 510.1#



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: 113.455 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010548.D

Acq: 24 May 2019 14:09

Instrument :

MSVOA_W

ClientSampleId :

FESB-26(2.5-3)

Tgt Ion: 75 Resp: 46826

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

89 0.0 39.5 59.3#

