

Data File : VW010483.D
Acq On : 21 May 2019 13:19
Operator : SY/VA
Sample : K2966-02
Misc : 6.36G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FESB-14(4.5-5)

Quant Time: May 22 06:42:20 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	58842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	109059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	93798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	35375	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
35) Dibromofluoromethane	7.88	113	32400	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.32	98	133222	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.62	95	48091	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

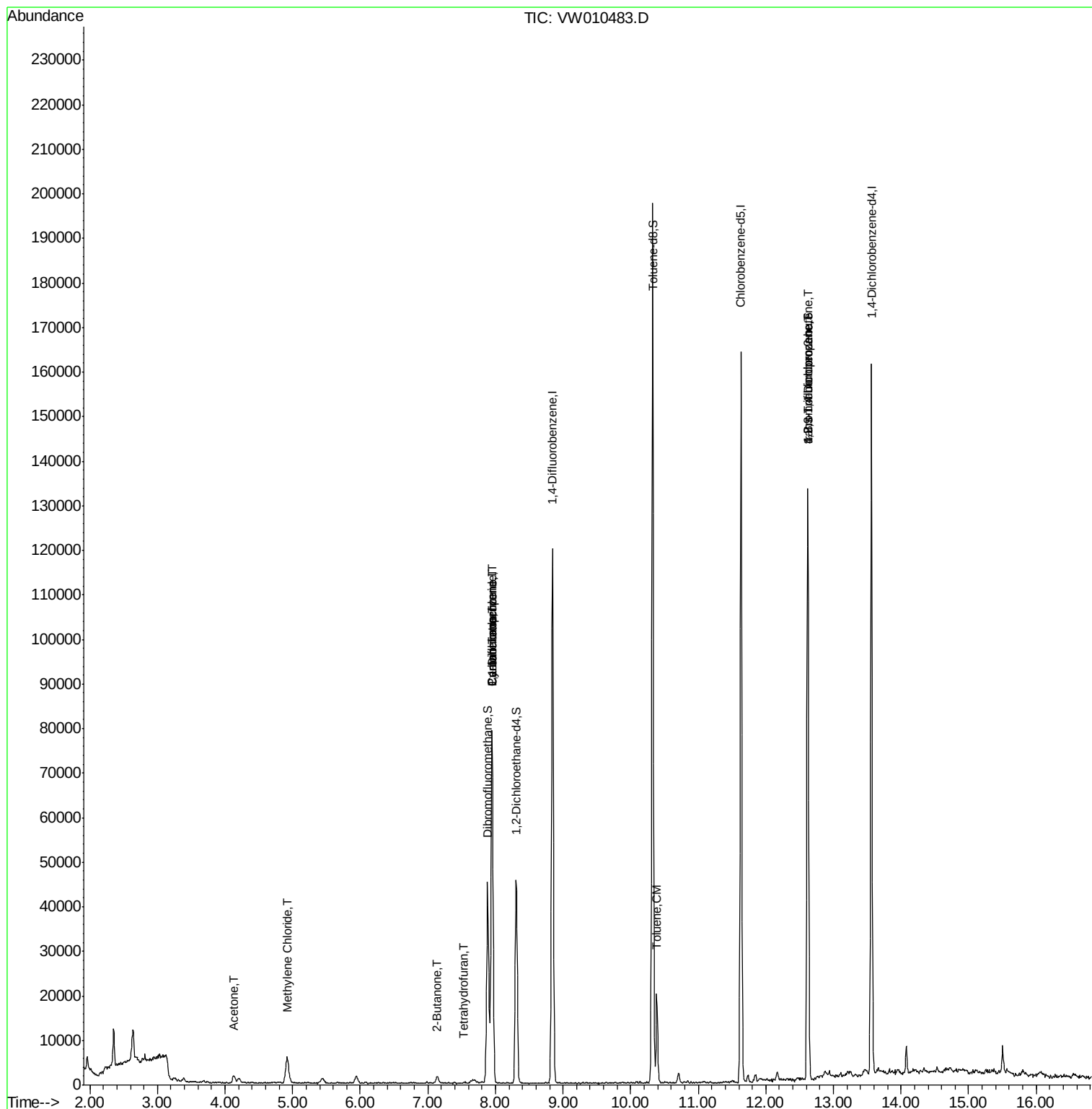
						Qvalue
2) Dichlorodifluoromethane	2.01	85	25	Below Cal	#	42
13) Acrolein	3.67	56	44	Below Cal	#	65
16) Acetone	4.12	43	3399	27.417	ug/l	98
20) Methylene Chloride	4.92	84	4946	1.923	ug/l #	80
25) 2-Butanone	7.15	43	210	1.184	ug/l #	45
29) Tetrahydrofuran	7.54	42	207	1.724	ug/l #	30
31) Cyclohexane	7.95	56	1322	1.146	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	4771	4.696	ug/l #	47
38) Carbon Tetrachloride	7.95	117	6396	5.836	ug/l #	15
52) Toluene	10.38	92	8908	4.697	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	23288	56.191	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23288	117.273	ug/l #	14

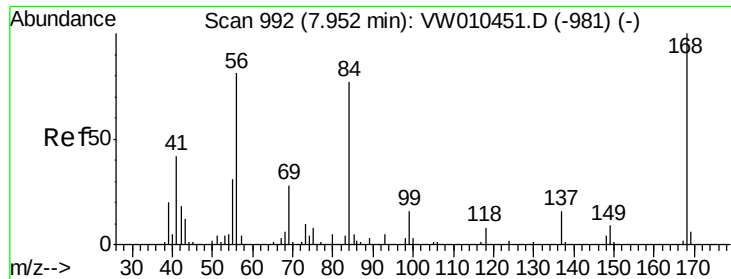
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

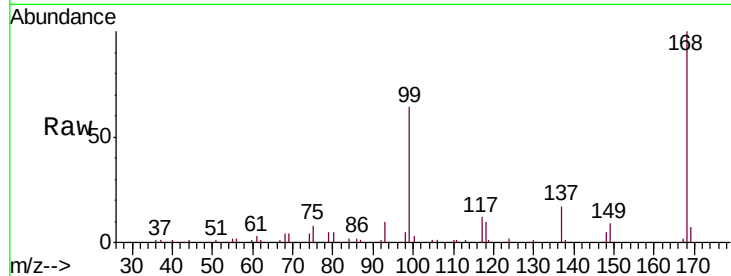
FESB-14(4.5-5)

Tgt Ion:168 Resp: 58842

Ion Ratio Lower Upper

168 100

99 64.3 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

30000

25000

20000

15000

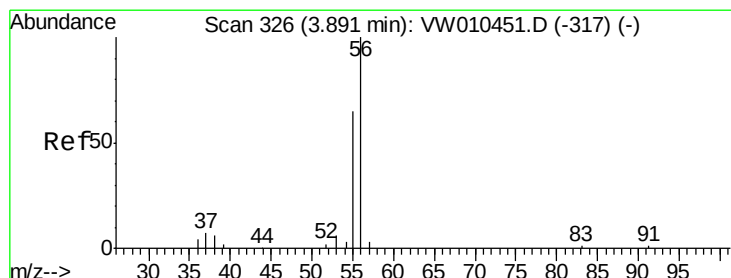
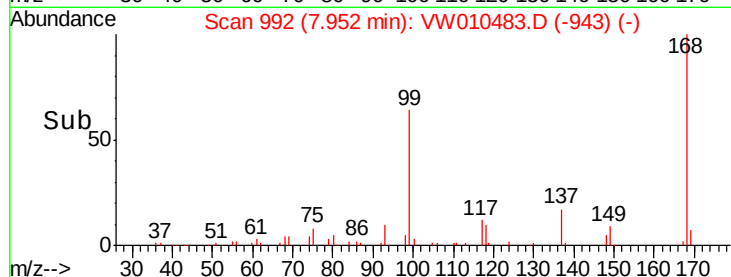
10000

5000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 289

Delta R.T. -0.23 min

Lab File: VW010483.D

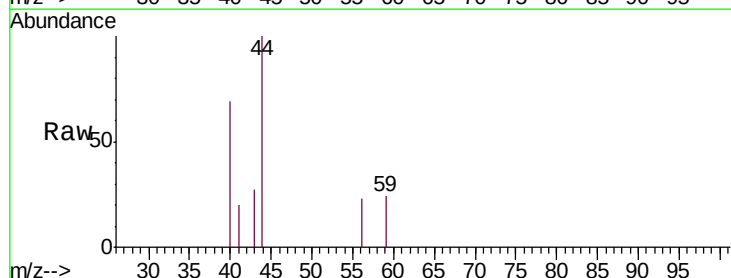
Acq: 21 May 2019 13:19

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 43.2 57.9 86.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.67

80

60

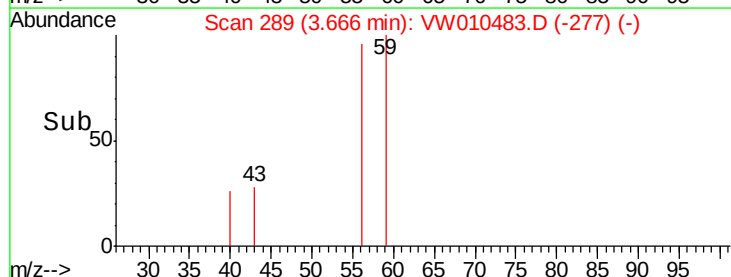
40

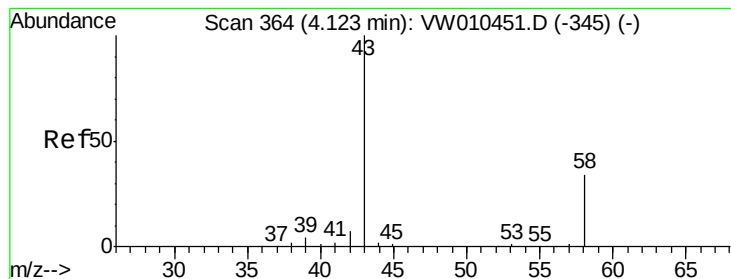
20

0

3.64 3.66 3.68

Time-->





#16

Acetone

Concen: 27.417 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

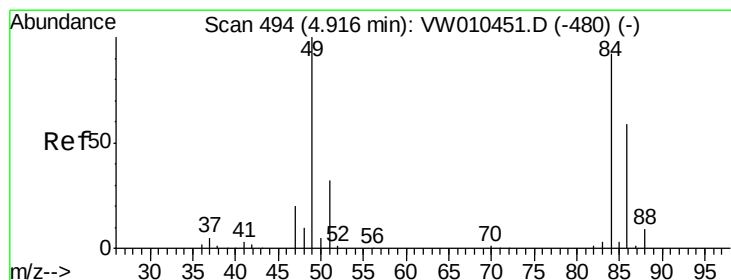
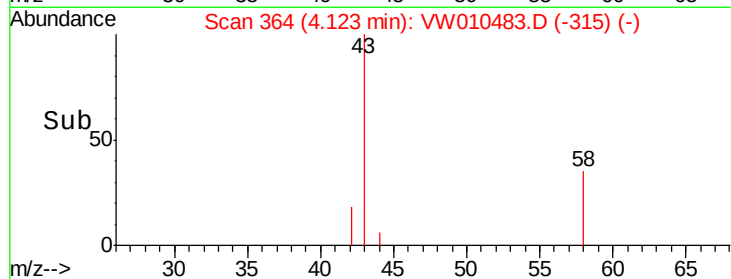
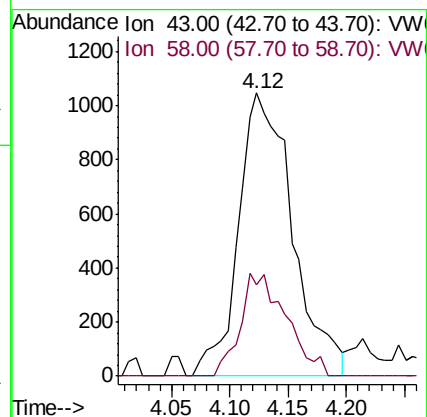
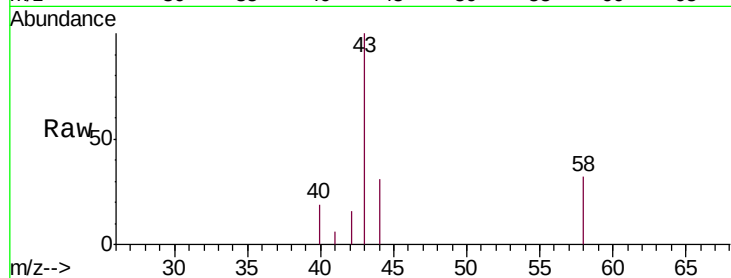
FESB-14(4.5-5)

Tgt Ion: 43 Resp: 3399

Ion Ratio Lower Upper

43 100

58 32.5 27.0 40.4



#20

Methylene Chloride

Concen: 1.923 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

Tgt Ion: 84 Resp: 4946

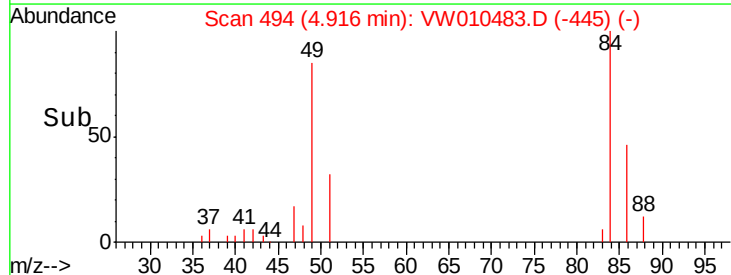
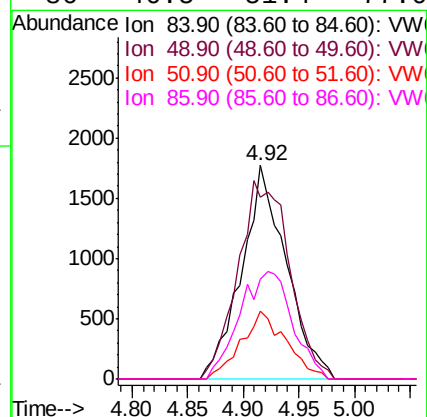
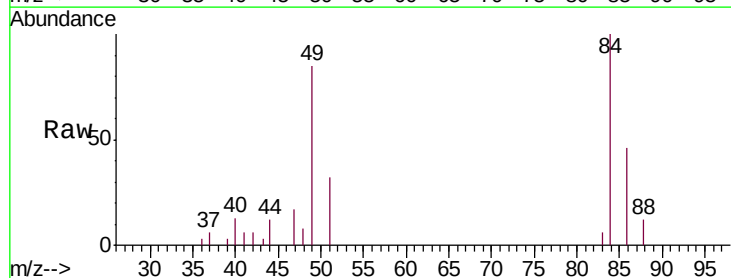
Ion Ratio Lower Upper

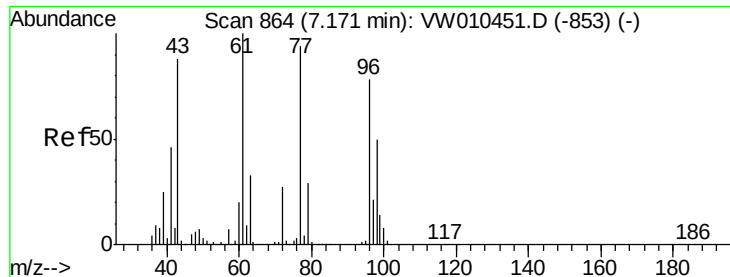
84 100

49 84.9 87.2 130.8#

51 31.6 27.7 41.5

86 46.5 51.4 77.0#





#25

2-Butanone

Concen: 1.184 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

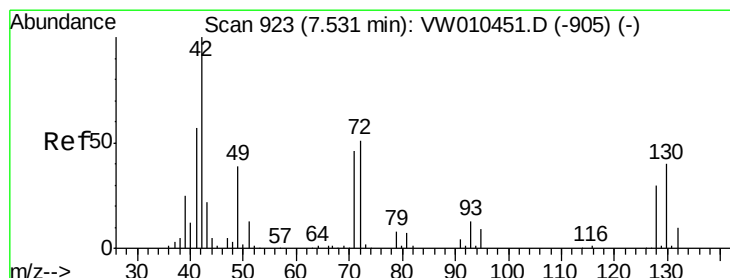
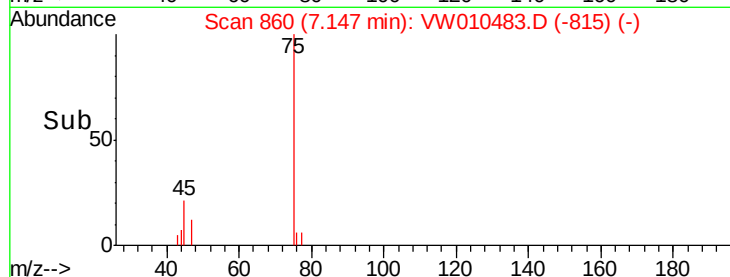
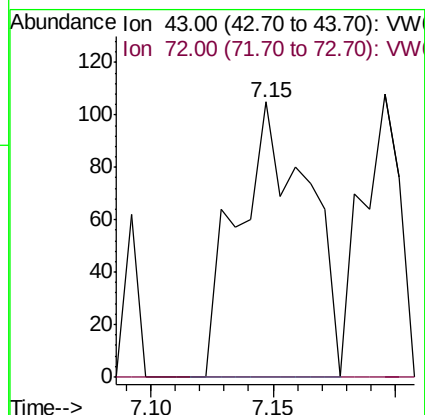
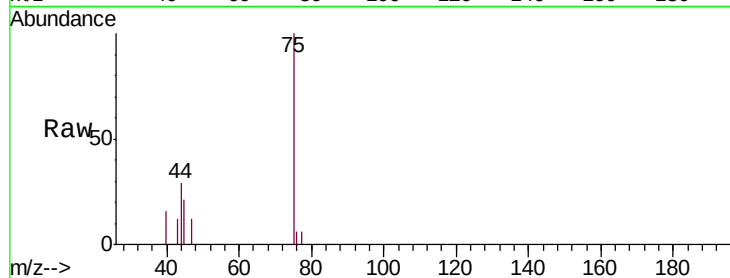
FESB-14(4.5-5)

Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

72 0.0 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.724 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

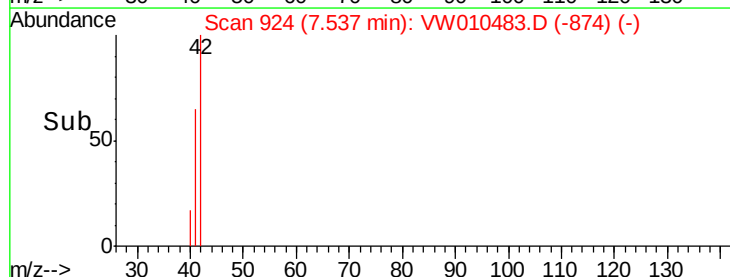
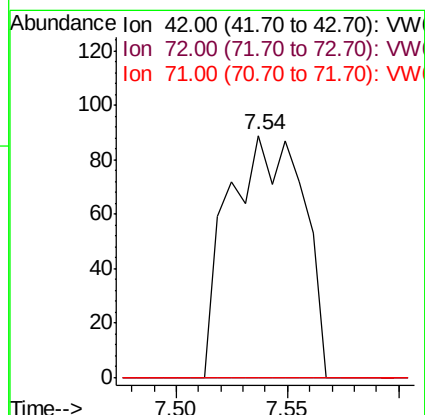
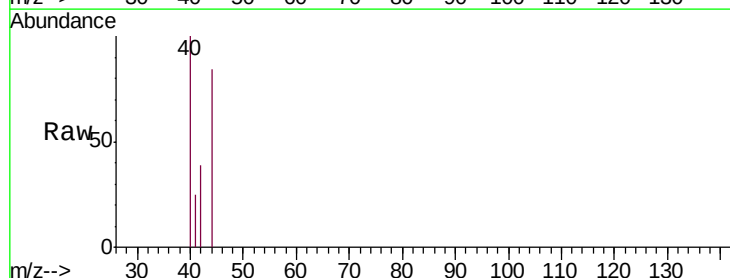
Tgt Ion: 42 Resp: 207

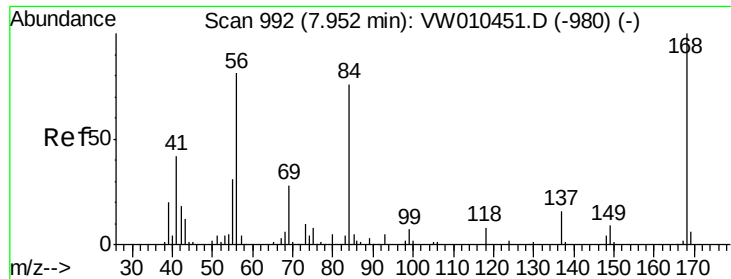
Ion Ratio Lower Upper

42 100

72 0.0 38.5 57.7#

71 0.0 36.5 54.7#

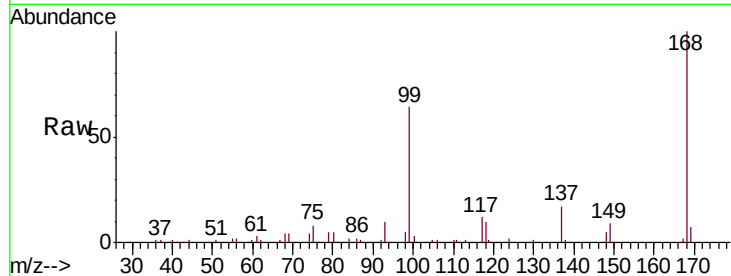




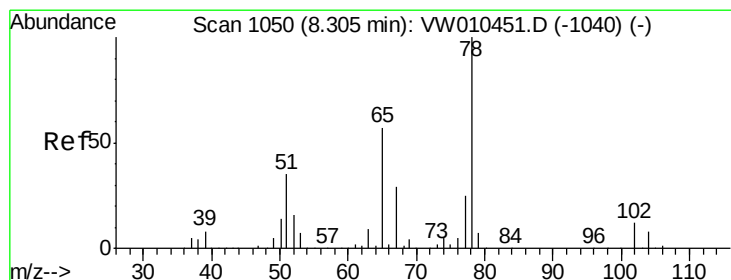
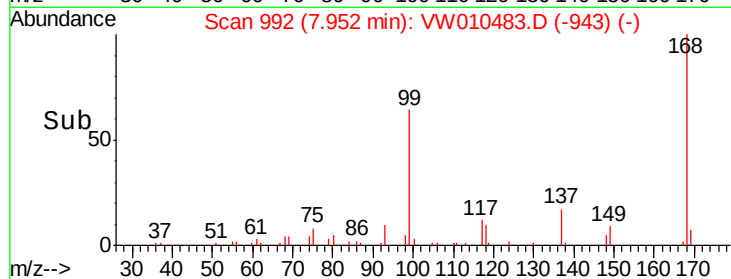
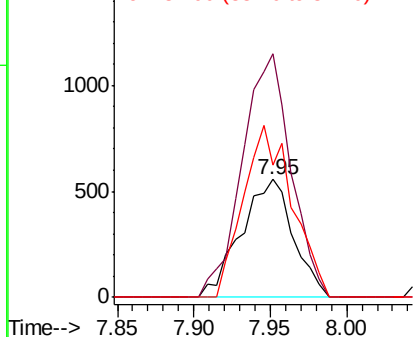
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010483.D
Acq: 21 May 2019 13:19

Instrument :
MSVOA_W
ClientSampleId :
FESB-14(4.5-5)

Tgt Ion: 56 Resp: 1322
Ion Ratio Lower Upper
56 100
69 206.8 28.2 42.2#
84 112.6 75.8 113.8

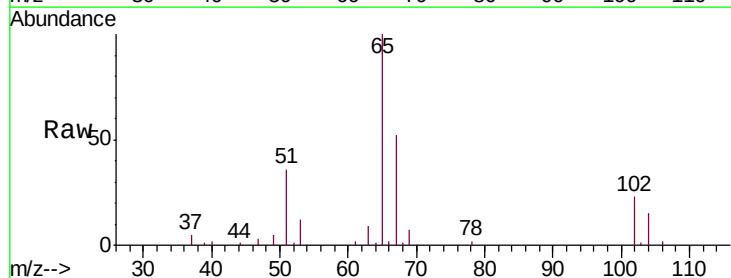


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

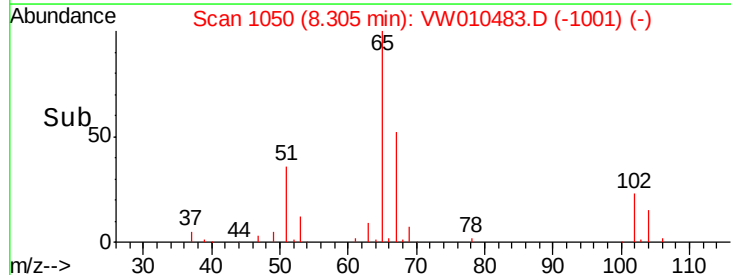
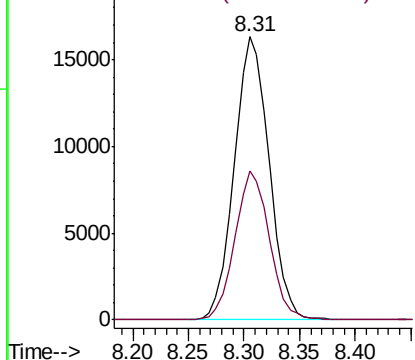


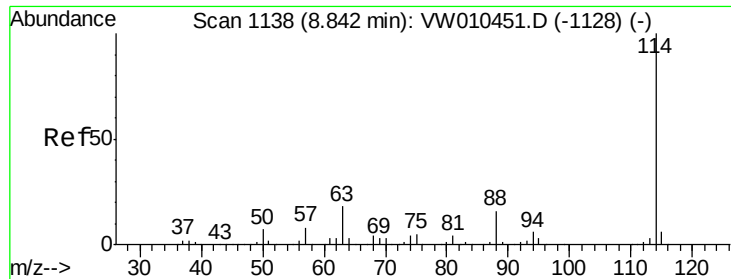
#33
1,2-Dichloroethane-d4
Concen: 58.245 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010483.D
Acq: 21 May 2019 13:19

Tgt Ion: 65 Resp: 35375
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.6



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

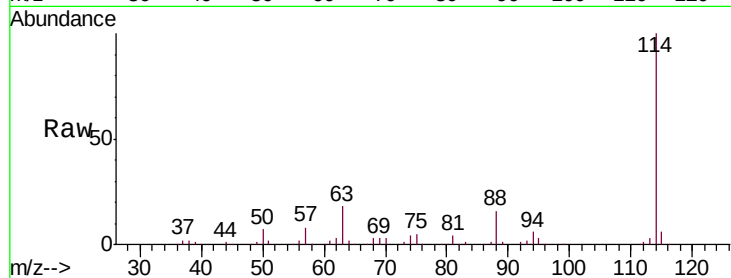




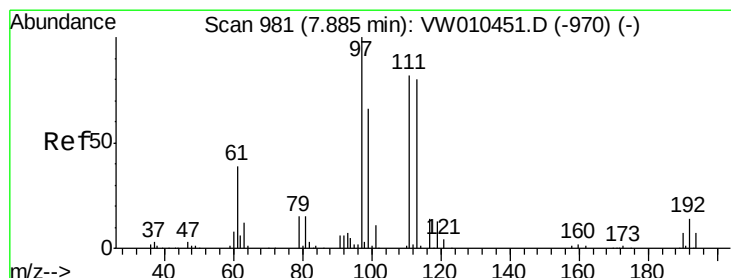
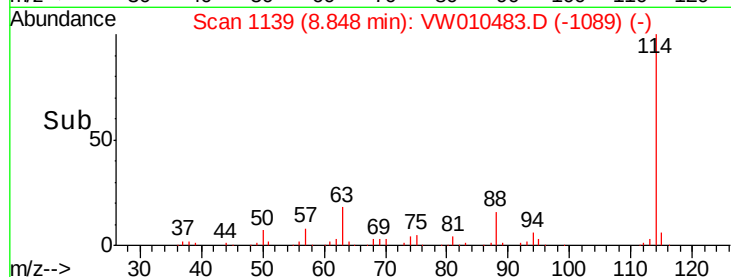
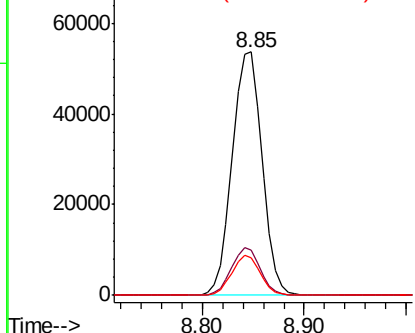
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010483.D
 Acq: 21 May 2019 13:19

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-14(4.5-5)

Tgt Ion:114 Resp: 109059
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.5 0.0 32.0

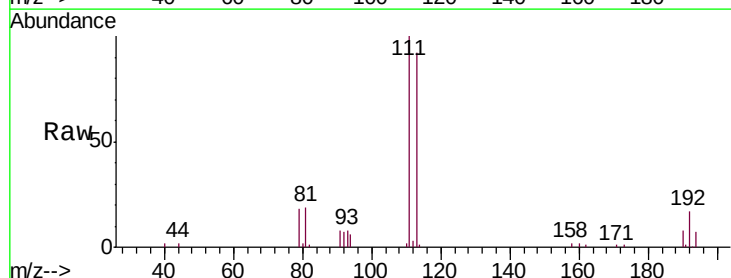


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

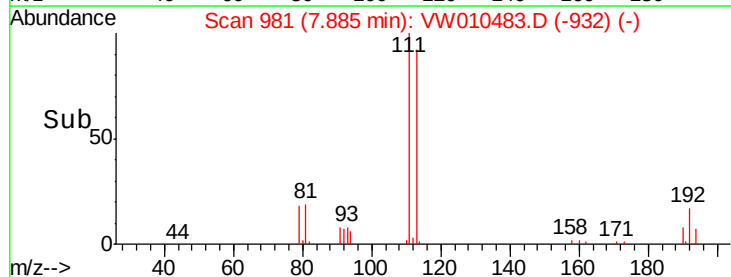
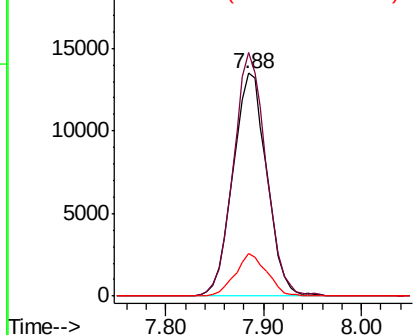


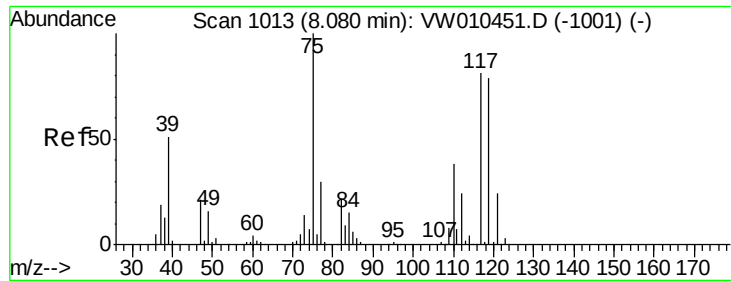
#35
 Dibromofluoromethane
 Concen: 48.961 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010483.D
 Acq: 21 May 2019 13:19

Tgt Ion:113 Resp: 32400
 Ion Ratio Lower Upper
 113 100
 111 105.3 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

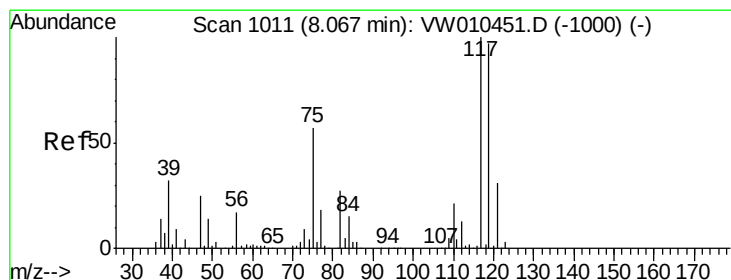
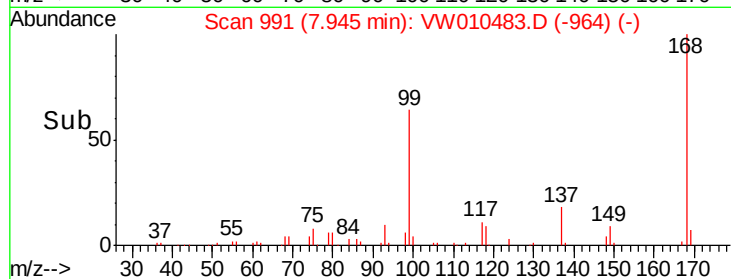
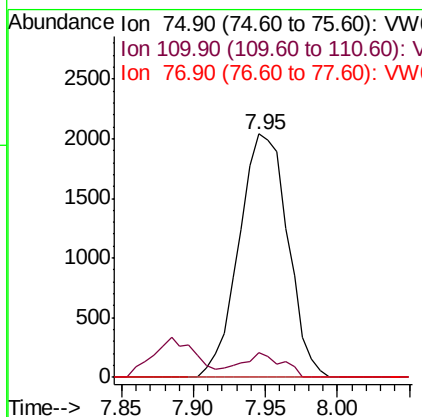
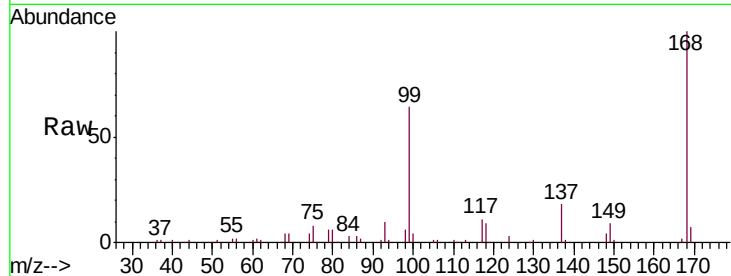




#36
 1,1-Dichloropropene
 Concen: 4.696 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010483.D
 Acq: 21 May 2019 13:19

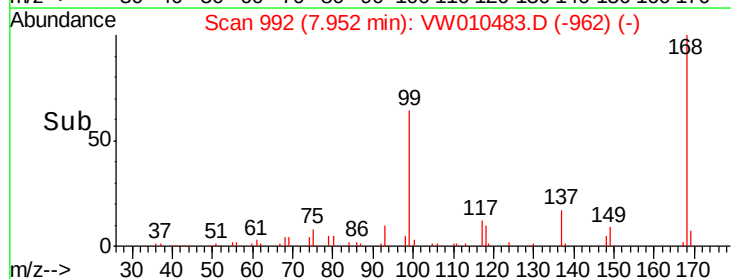
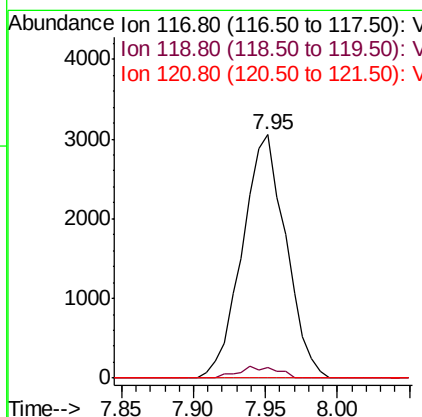
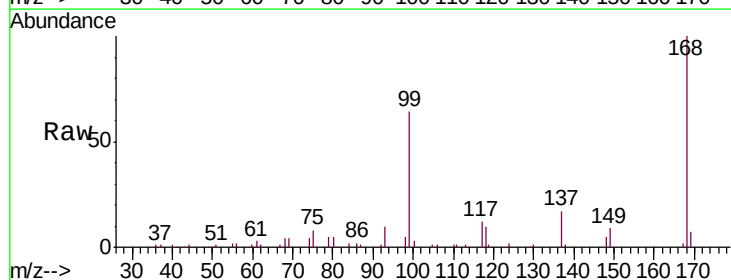
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-14(4.5-5)

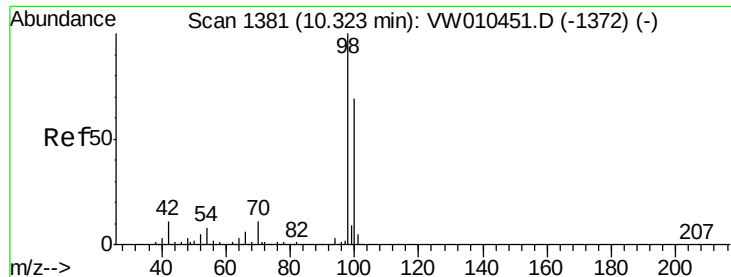
Tgt Ion: 75 Resp: 4771
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.2 57.6#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.836 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010483.D
 Acq: 21 May 2019 13:19

Tgt Ion: 117 Resp: 6396
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.4 116.0#
 121 0.0 25.0 37.6#

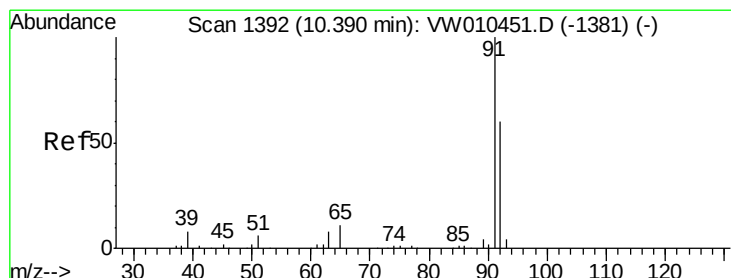
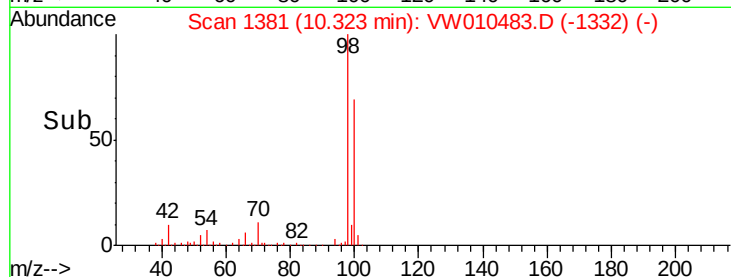
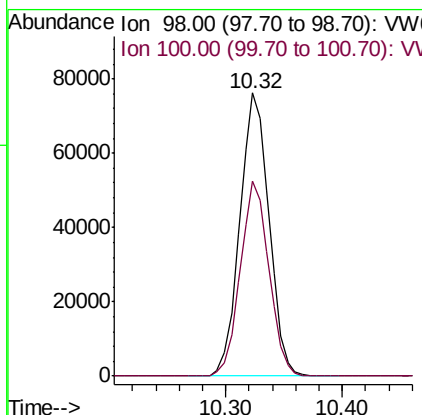
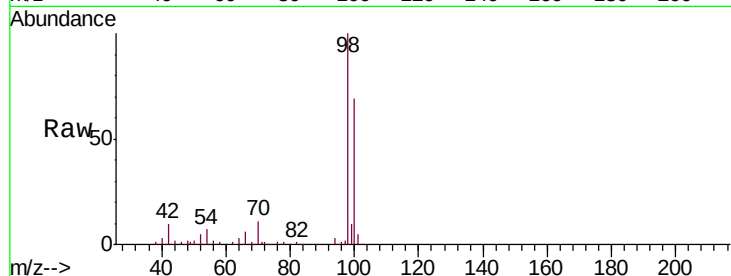




#50
Toluene-d8
Concen: 52.698 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010483.D
Acq: 21 May 2019 13:19

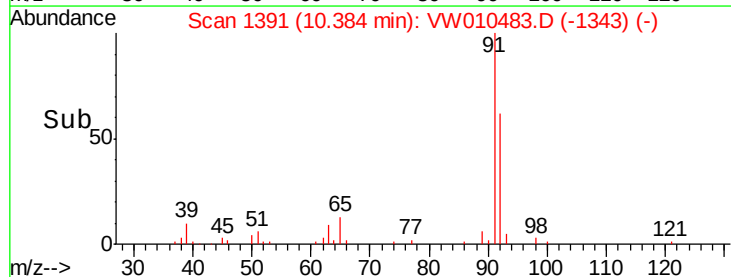
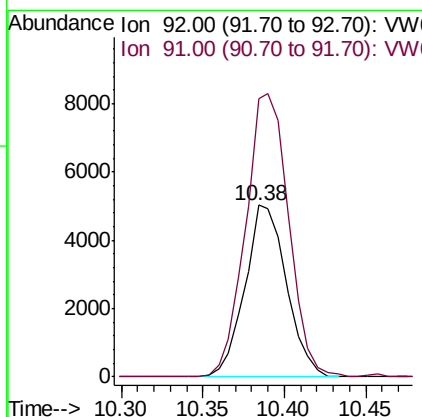
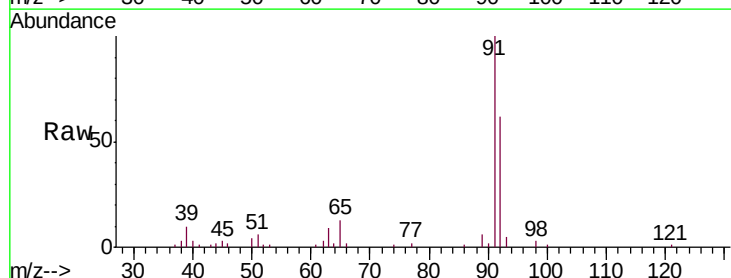
Instrument :
MSVOA_W
ClientSampleId :
FESB-14(4.5-5)

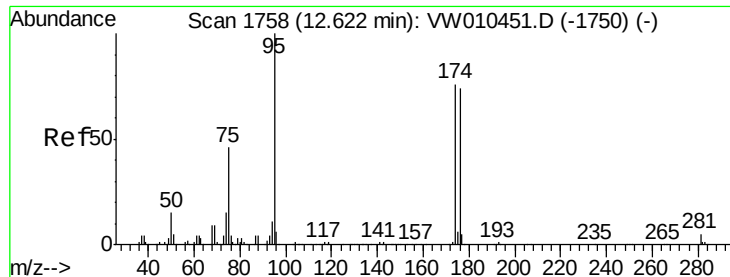
Tgt Ion: 98 Resp: 133222
Ion Ratio Lower Upper
98 100
100 67.6 53.7 80.5



#52
Toluene
Concen: 4.697 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010483.D
Acq: 21 May 2019 13:19

Tgt Ion: 92 Resp: 8908
Ion Ratio Lower Upper
92 100
91 171.1 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 47.759 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

FESB-14(4.5-5)

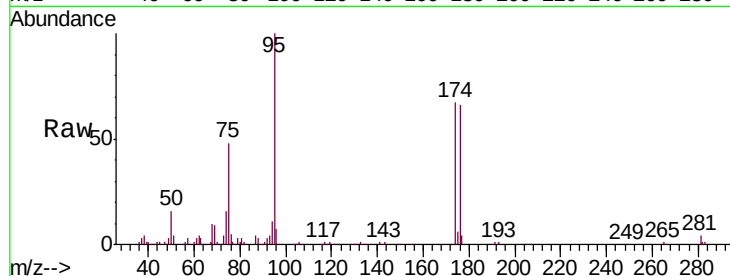
Tgt Ion: 95 Resp: 48091

Ion Ratio Lower Upper

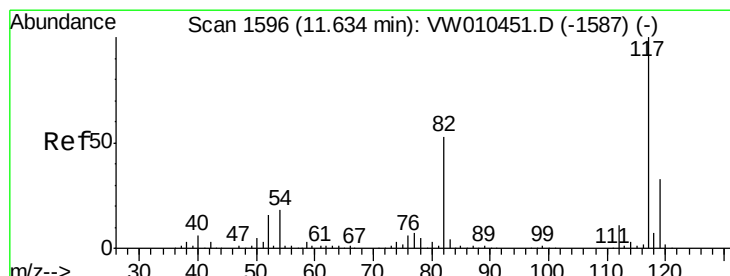
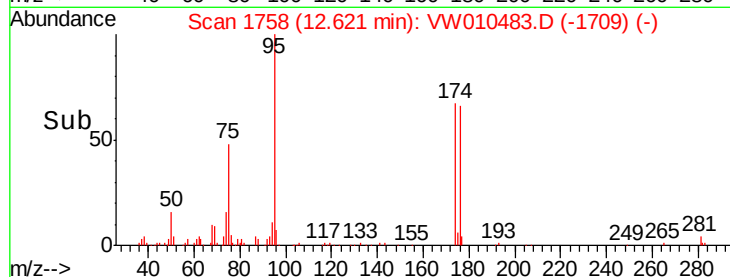
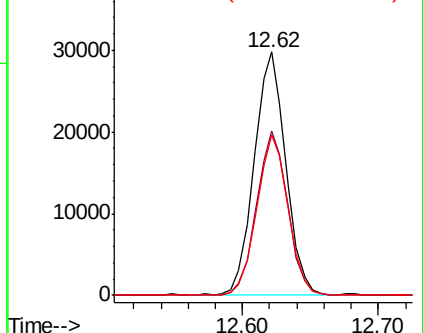
95 100

174 67.2 0.0 148.6

176 65.6 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: VW010483.D

Acq: 21 May 2019 13:19

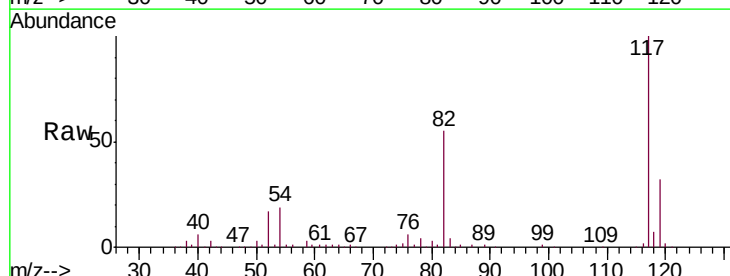
Tgt Ion: 117 Resp: 93798

Ion Ratio Lower Upper

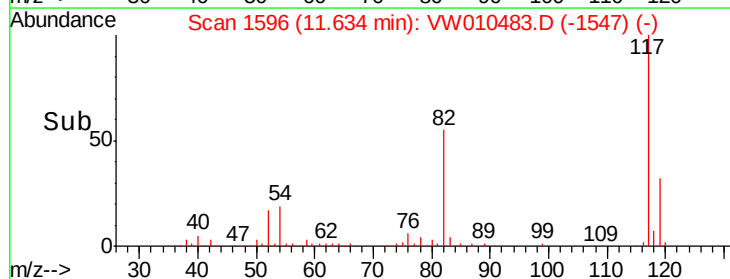
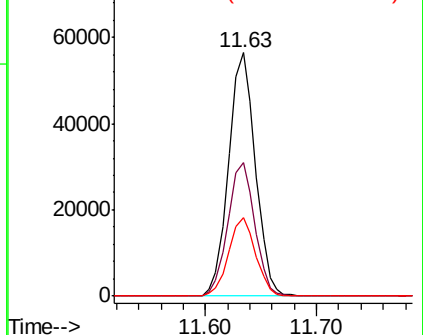
117 100

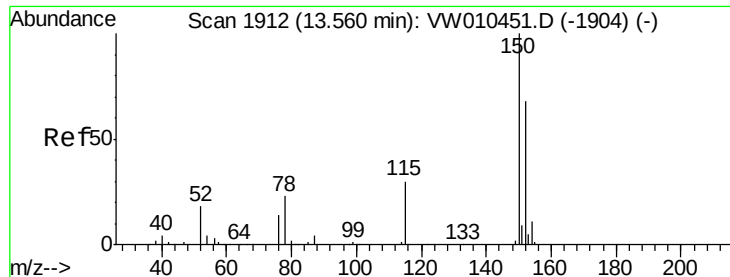
82 54.8 42.8 64.2

119 32.4 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: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampled :

FESB-14(4.5-5)

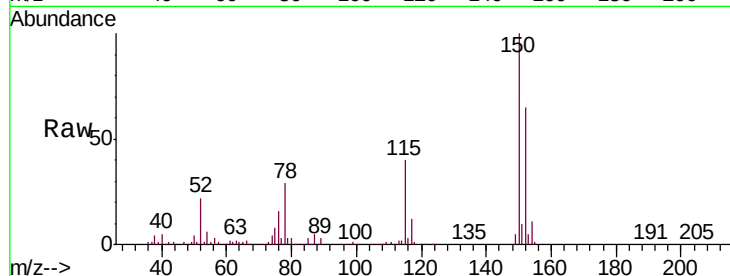
Tgt Ion:152 Resp: 40829

Ion Ratio Lower Upper

152 100

115 63.6 30.3 91.0

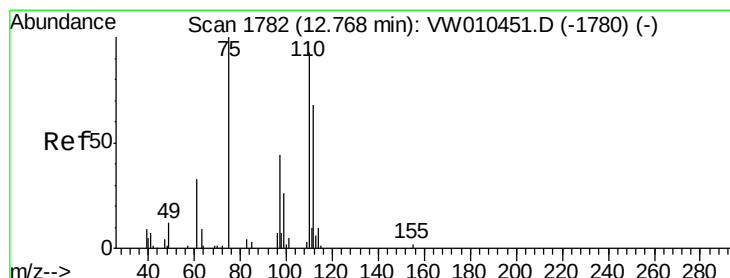
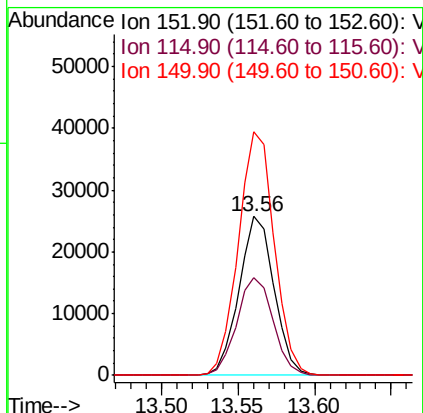
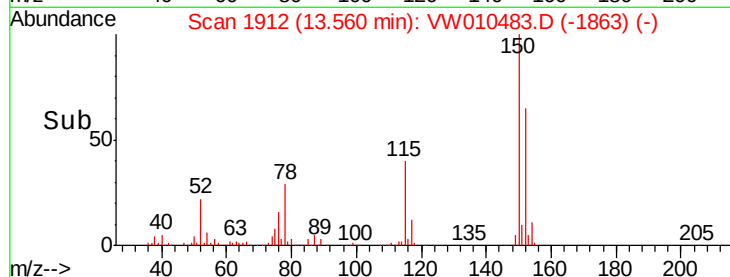
150 157.1 0.0 349.8



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: 56.191 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010483.D

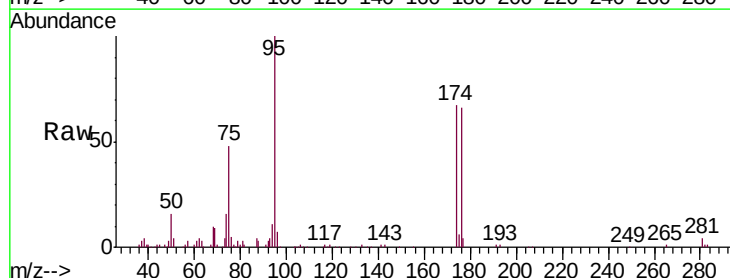
Acq: 21 May 2019 13:19

Tgt Ion: 75 Resp: 23288

Ion Ratio Lower Upper

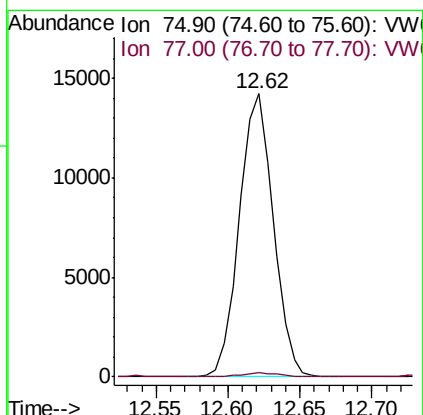
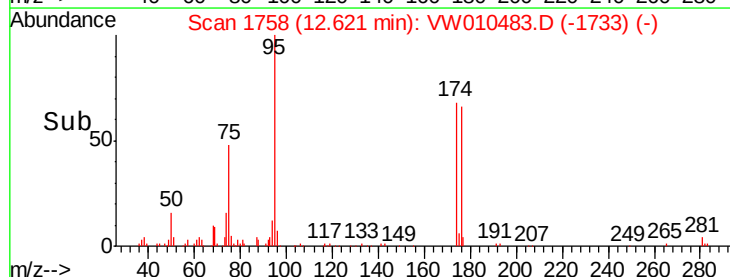
75 100

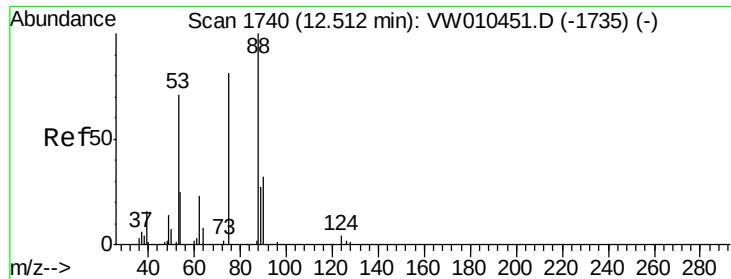
77 1.6 170.0 510.1#



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: 117.273 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010483.D

Acq: 21 May 2019 13:19

Instrument :

MSVOA_W

ClientSampleId :

FESB-14(4.5-5)

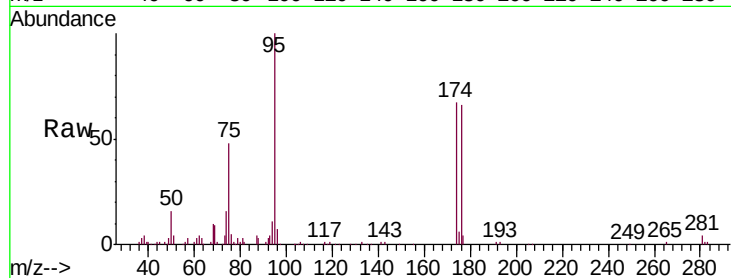
Tgt Ion: 75 Resp: 23288

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

