

Data File : VW010485.D
Acq On : 21 May 2019 14:13
Operator : SY/VA
Sample : K2966-04
Misc : 6.41G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FESB-16(2.4-2.9)

Quant Time: May 22 06:42:54 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	122114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	233255	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72709	57.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.38%	
35) Dibromofluoromethane	7.88	113	71201	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.32	98	285920	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.62	95	105198	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

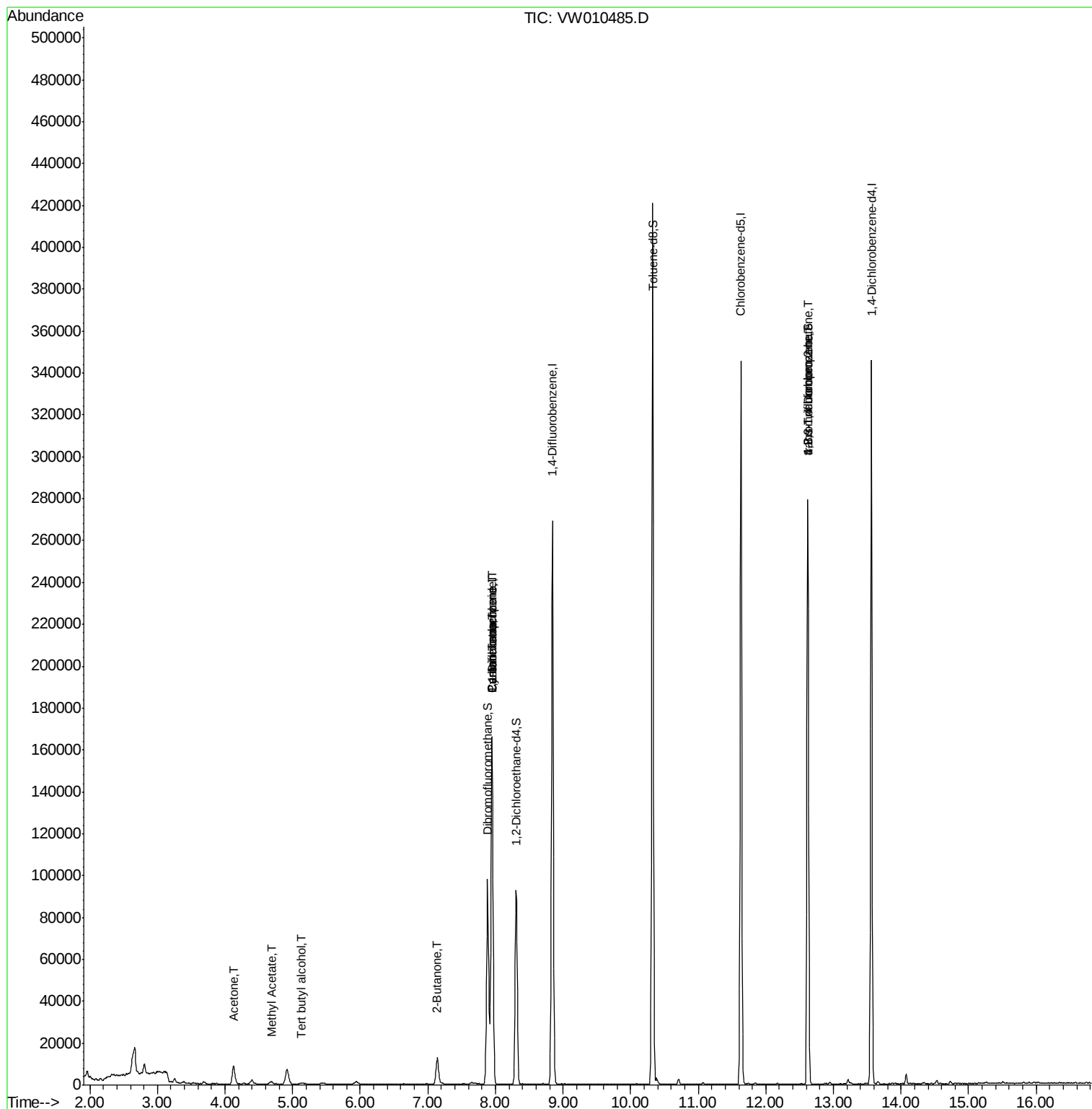
					Qvalue	
11) Tert butyl alcohol	5.13	59	444	3.916 ug/l	#	71
13) Acrolein	3.89	56	50	Below Cal	#	77
16) Acetone	4.13	43	15844	61.583 ug/l		98
18) Methyl Acetate	4.69	43	2616	4.157 ug/l		90
20) Methylene Chloride	4.91	84	6030	Below Cal		92
25) 2-Butanone	7.14	43	783	2.127 ug/l	#	45
31) Cyclohexane	7.95	56	2626	1.097 ug/l	#	1
36) 1,1-Dichloropropene	7.95	75	9940	4.575 ug/l	#	48
38) Carbon Tetrachloride	7.95	117	13440	5.734 ug/l	#	15
76) 1,2,3-Trichloropropane	12.62	75	49703	55.694 ug/l	#	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49703	116.234 ug/l	#	14

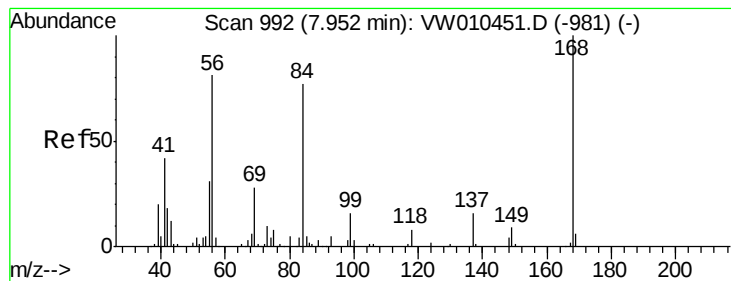
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW010485.D

Acq: 21 May 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

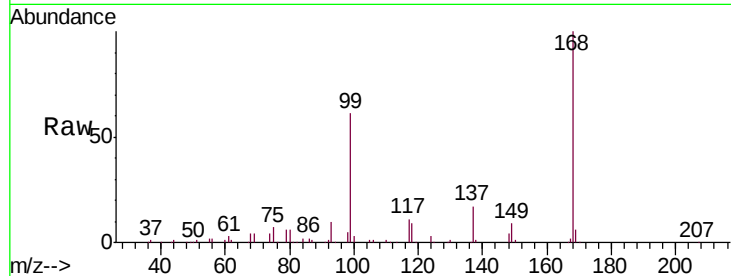
FESB-16(2.4-2.9)

Tgt Ion:168 Resp: 122114

Ion Ratio Lower Upper

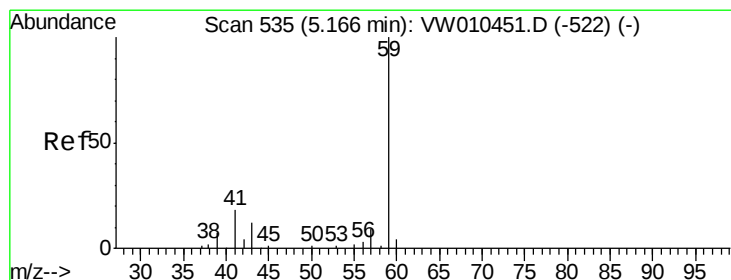
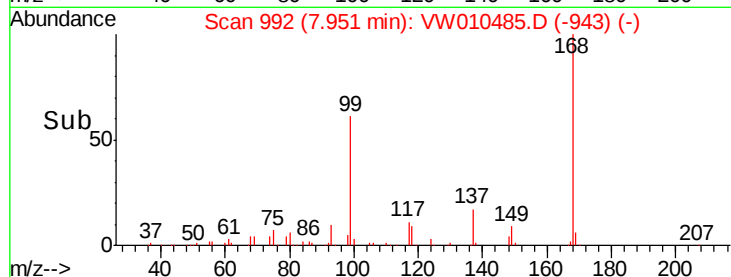
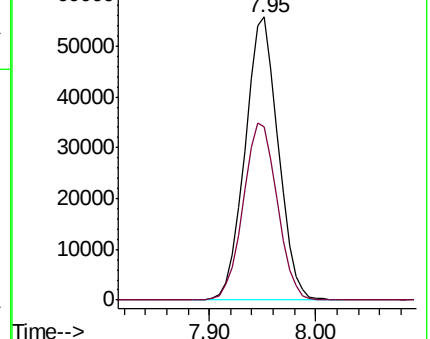
168 100

99 61.0 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: 3.916 ug/l

RT: 5.13 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW010485.D

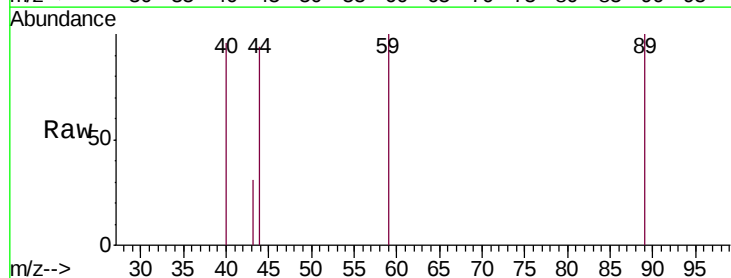
Acq: 21 May 2019 14:13

Tgt Ion: 59 Resp: 444

Ion Ratio Lower Upper

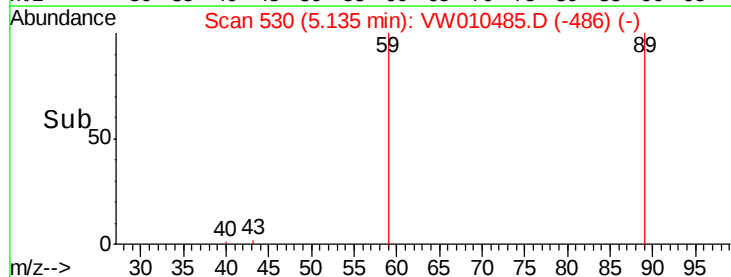
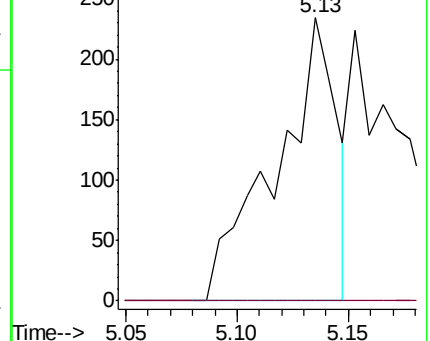
59 100

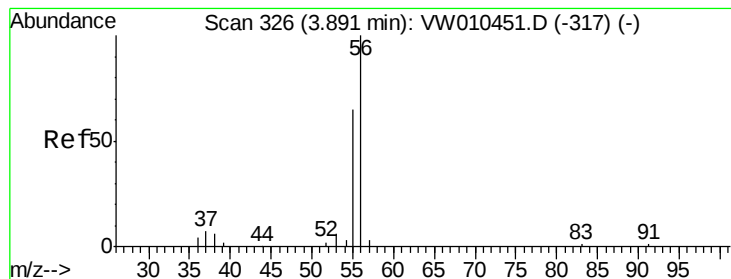
57 0.0 8.8 13.2#



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: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW010485.D

Acq: 21 May 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

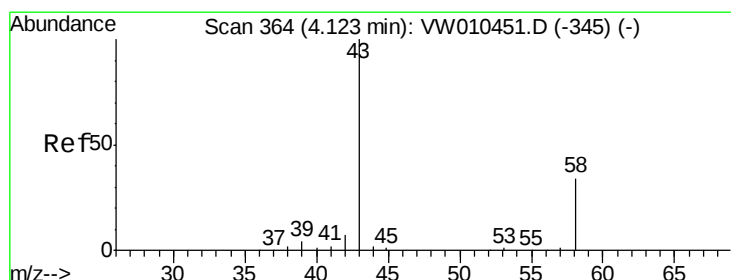
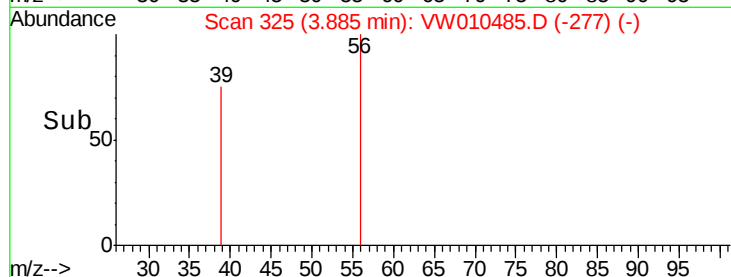
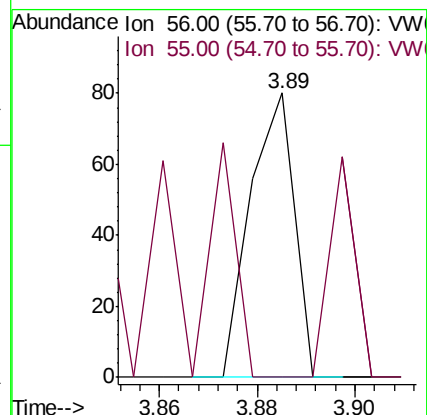
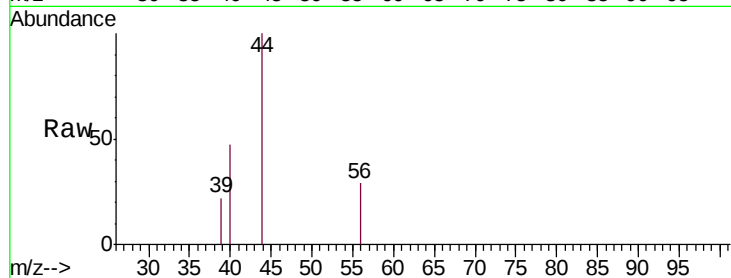
FESB-16(2.4-2.9)

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 92.0 57.9 86.9#



#16

Acetone

Concen: 61.583 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010485.D

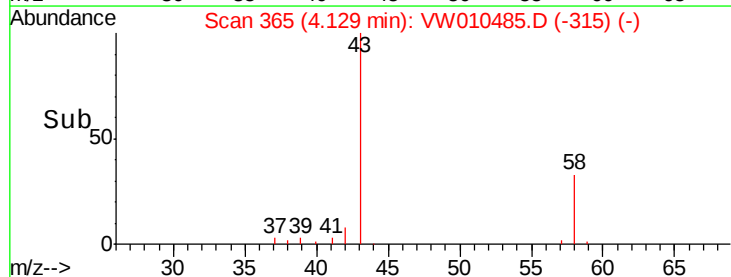
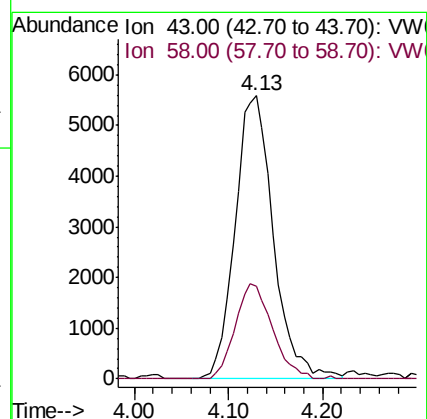
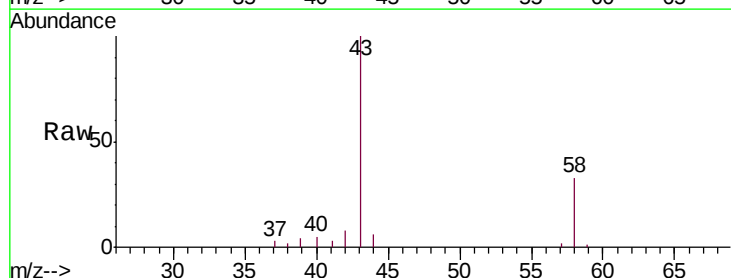
Acq: 21 May 2019 14:13

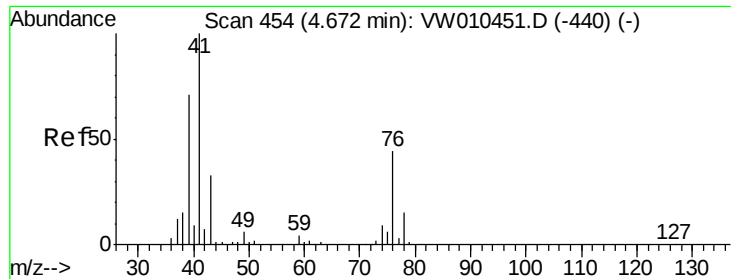
Tgt Ion: 43 Resp: 15844

Ion Ratio Lower Upper

43 100

58 32.7 27.0 40.4

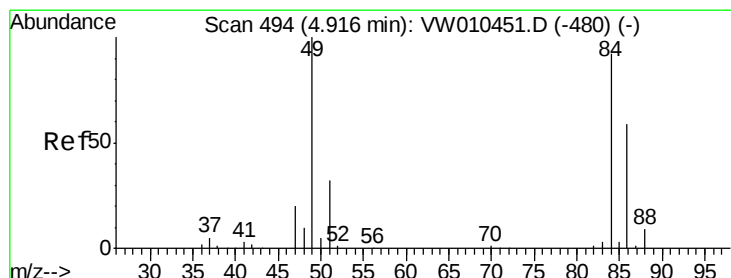
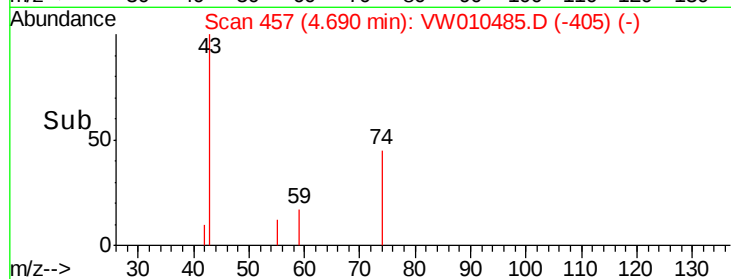
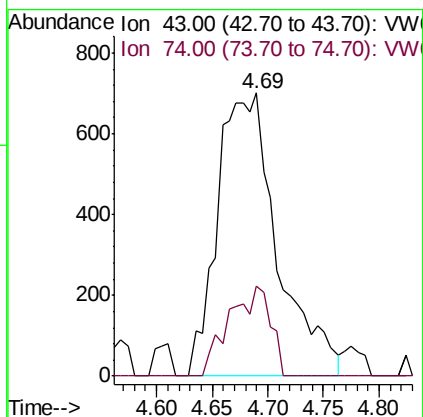
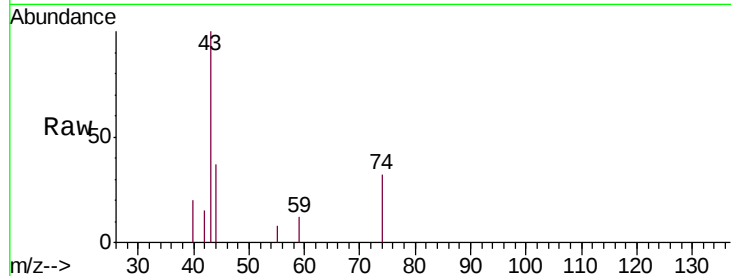




#18
Methyl Acetate
Concen: 4.157 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.02 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

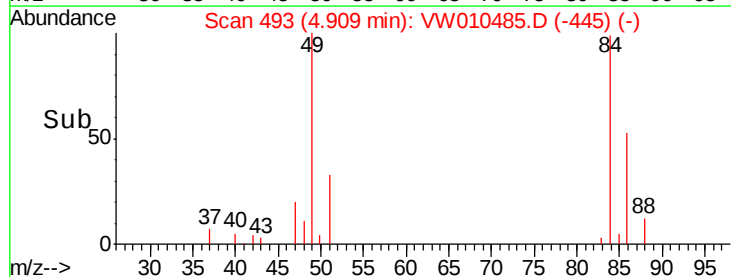
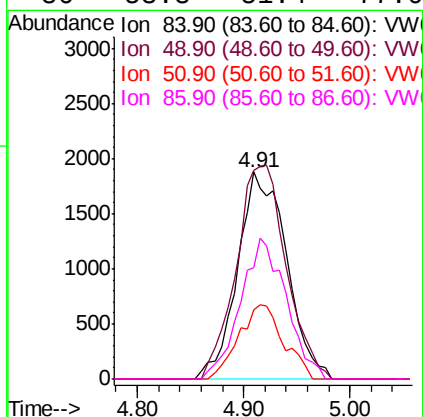
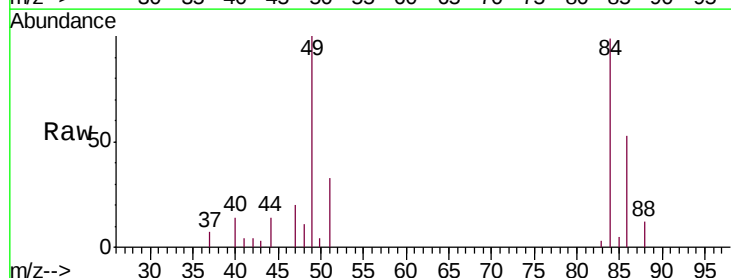
Instrument :
MSVOA_W
ClientSampleId :
FESB-16(2.4-2.9)

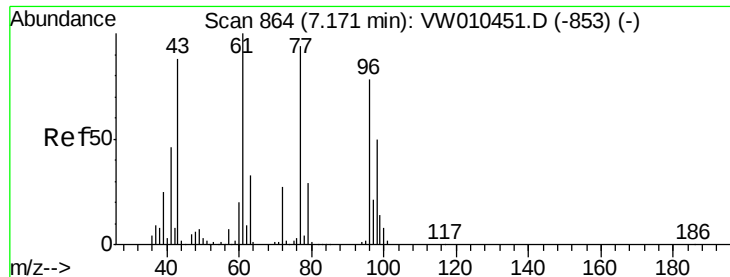
Tgt Ion: 43 Resp: 2616
Ion Ratio Lower Upper
43 100
74 22.0 21.6 32.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

Tgt Ion: 84 Resp: 6030
Ion Ratio Lower Upper
84 100
49 101.0 87.2 130.8
51 33.2 27.7 41.5
86 53.8 51.4 77.0

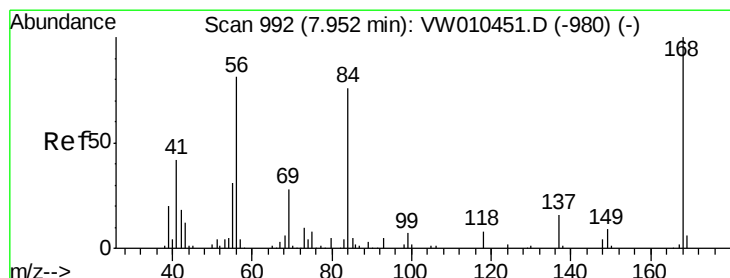
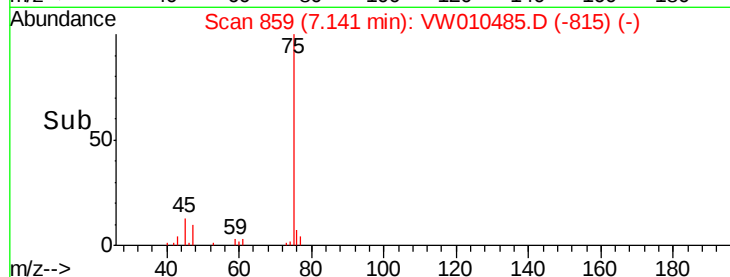
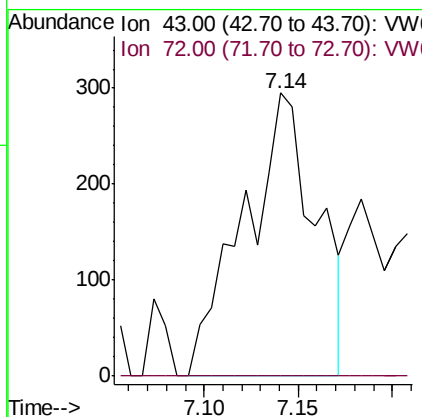
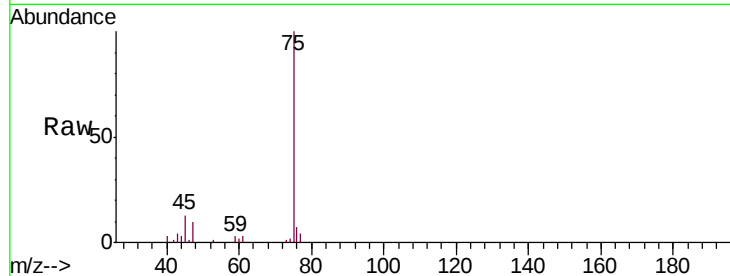




#25
2-Butanone
Concen: 2.127 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

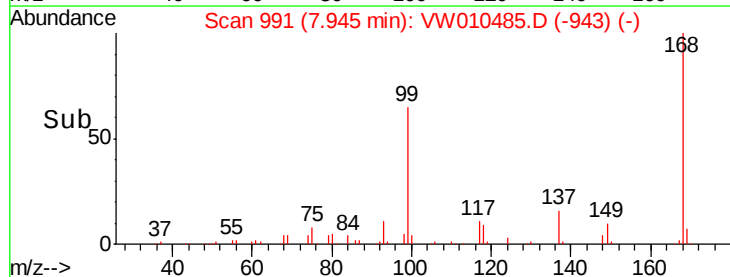
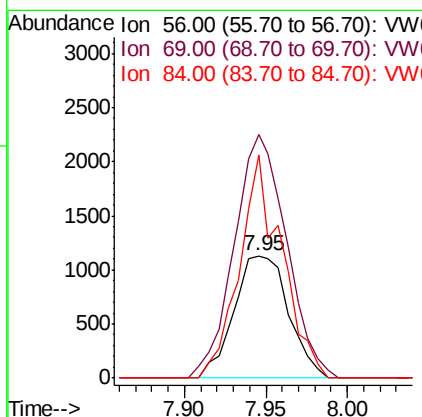
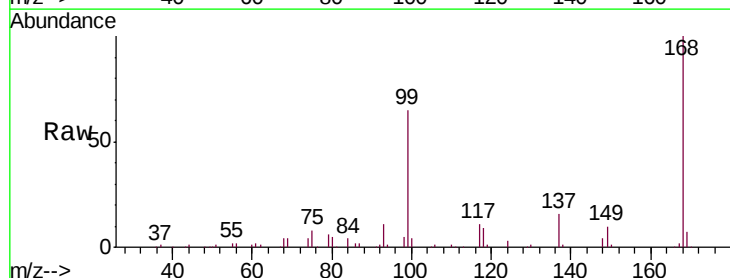
Instrument :
MSVOA_W
ClientSampleId :
FESB-16(2.4-2.9)

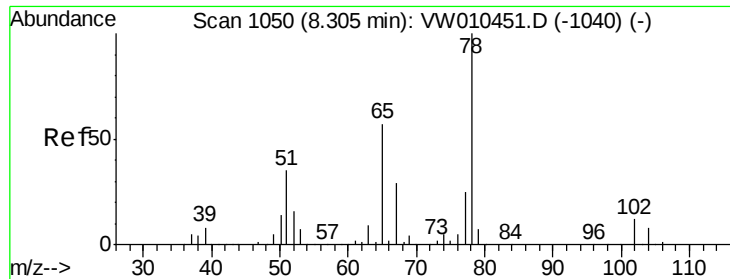
Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
72 0.0 24.1 36.1#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

Tgt Ion: 56 Resp: 2626
Ion Ratio Lower Upper
56 100
69 198.9 28.2 42.2#
84 182.6 75.8 113.8#

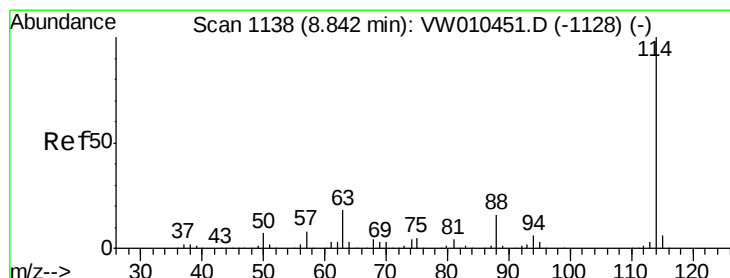
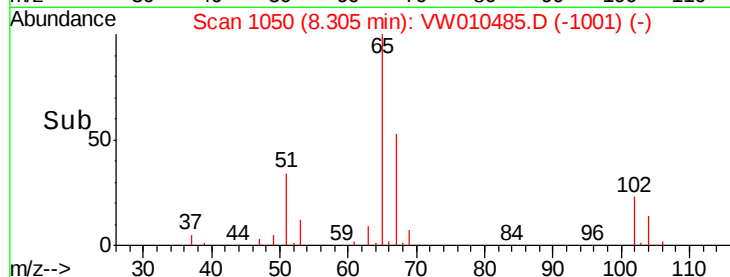
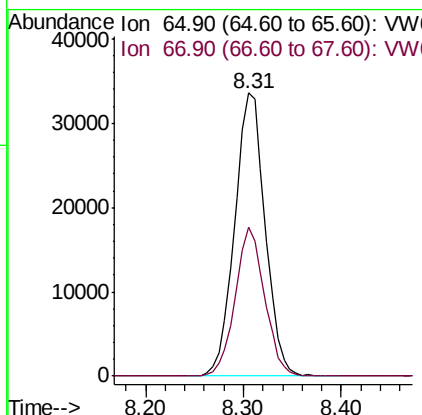
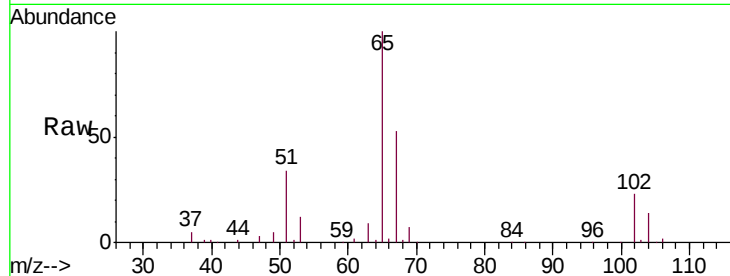




#33
 1,2-Dichloroethane-d4
 Concen: 57.686 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010485.D
 Acq: 21 May 2019 14:13

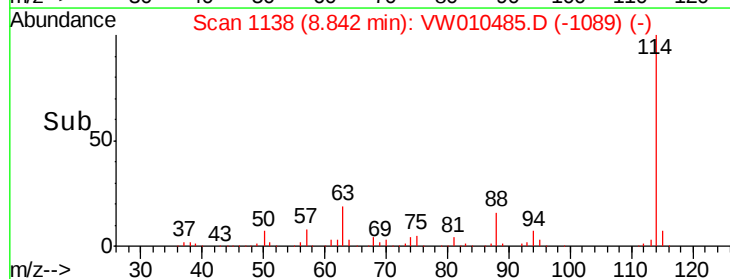
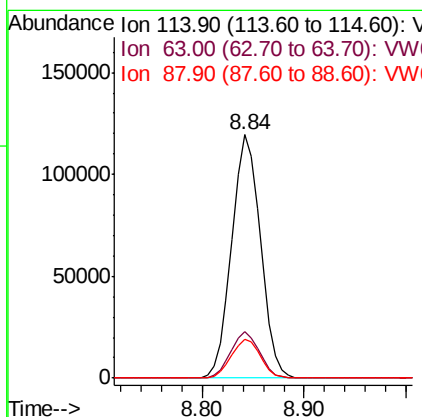
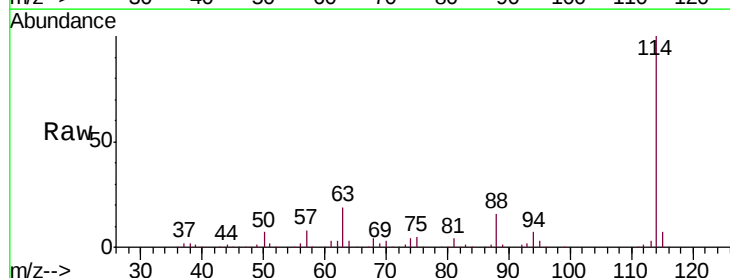
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-16(2.4-2.9)

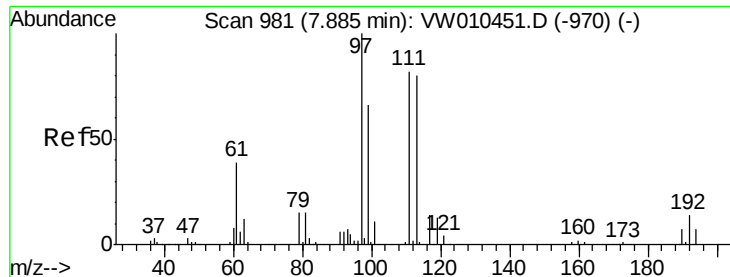
Tgt Ion: 65 Resp: 72709
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010485.D
 Acq: 21 May 2019 14:13

Tgt Ion: 114 Resp: 233255
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.0
 88 16.1 0.0 32.0

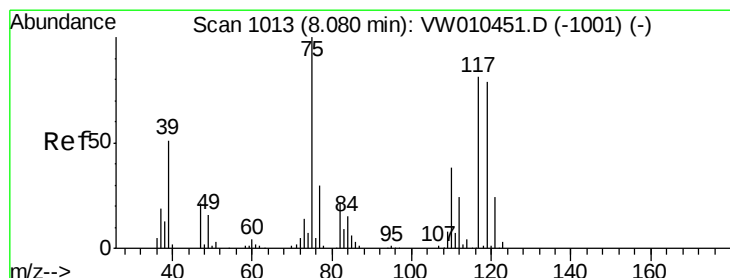
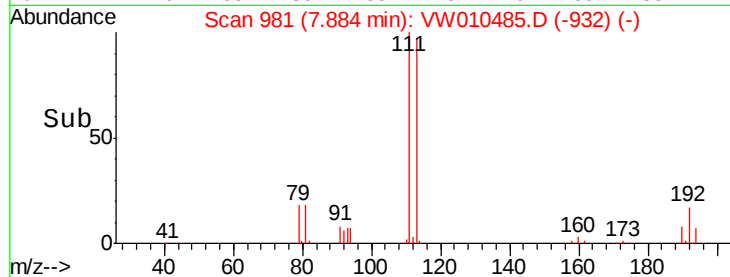
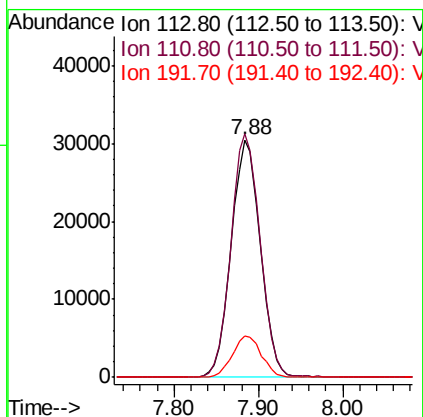
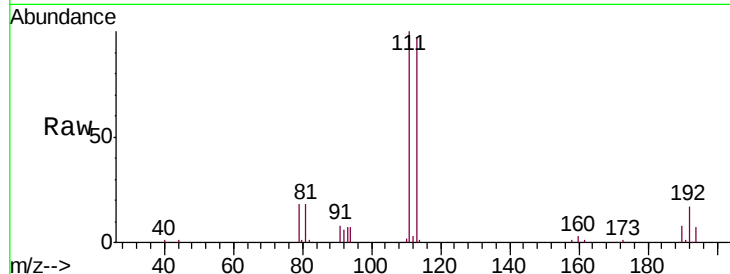




#35
 Dibromofluoromethane
 Concen: 50.306 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010485.D
 Acq: 21 May 2019 14:13

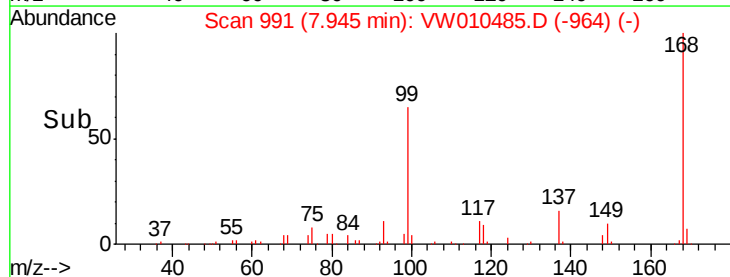
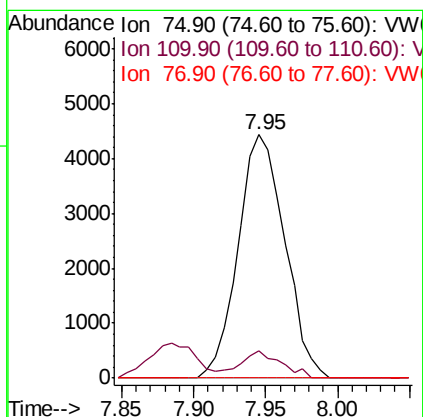
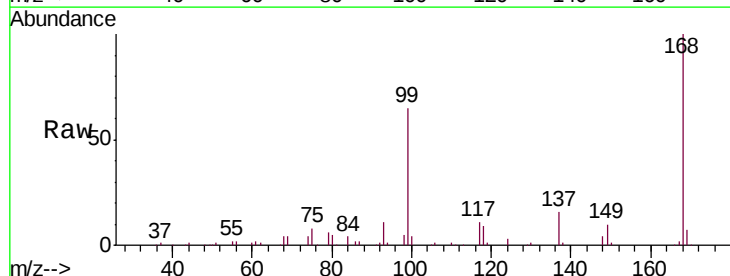
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-16(2.4-2.9)

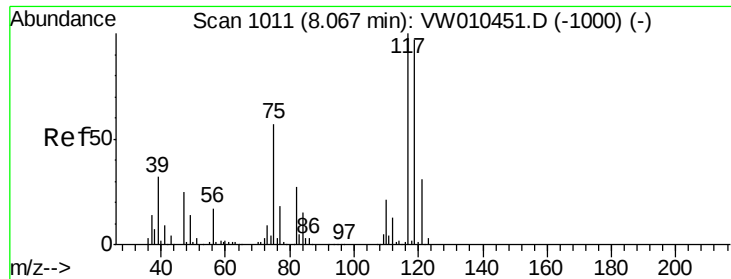
Tgt Ion:113 Resp: 71201
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 17.2 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.575 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010485.D
 Acq: 21 May 2019 14:13

Tgt Ion: 75 Resp: 9940
 Ion Ratio Lower Upper
 75 100
 110 9.9 19.2 57.6#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.734 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010485.D

Acq: 21 May 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

FESB-16(2.4-2.9)

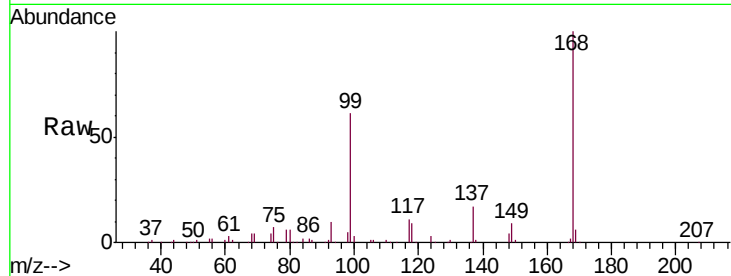
Tgt Ion:117 Resp: 13440

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

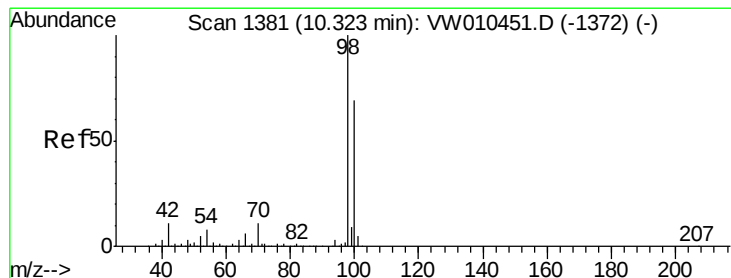
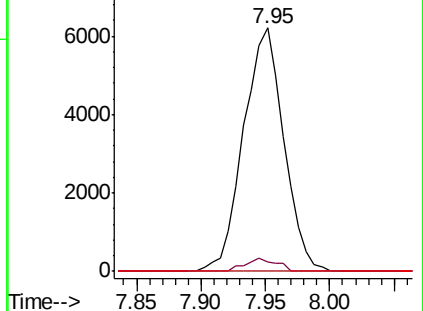
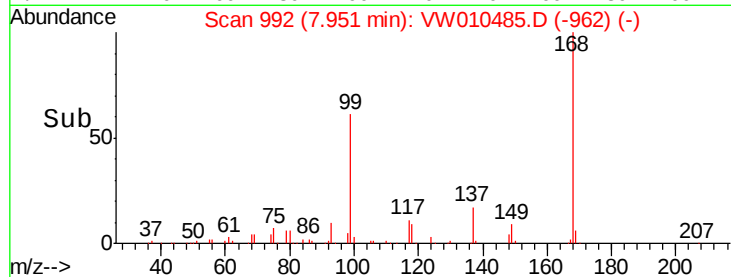
121 0.0 25.0 37.6#



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: 52.880 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010485.D

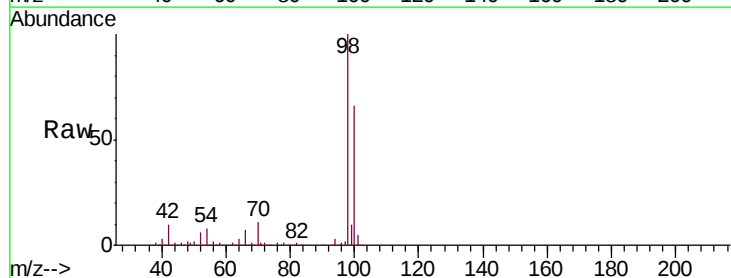
Acq: 21 May 2019 14:13

Tgt Ion: 98 Resp: 285920

Ion Ratio Lower Upper

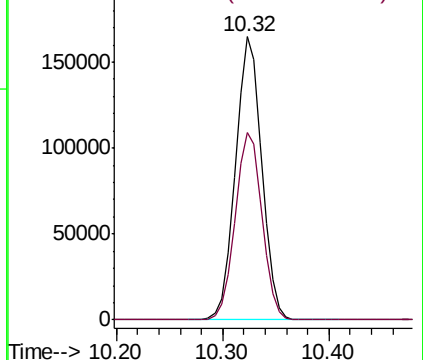
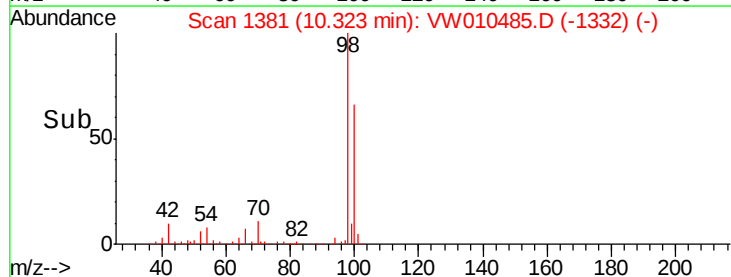
98 100

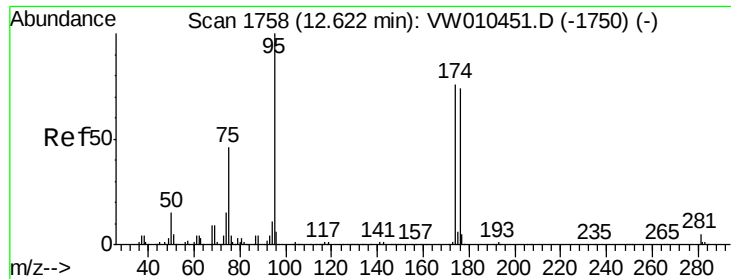
100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

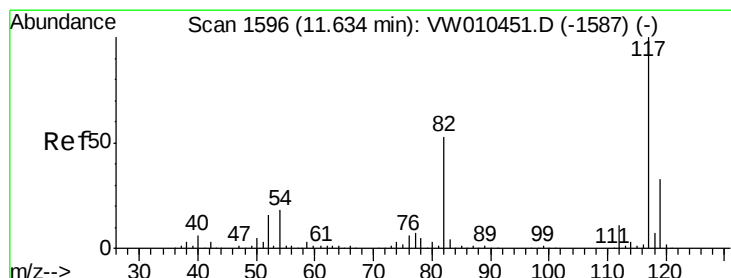
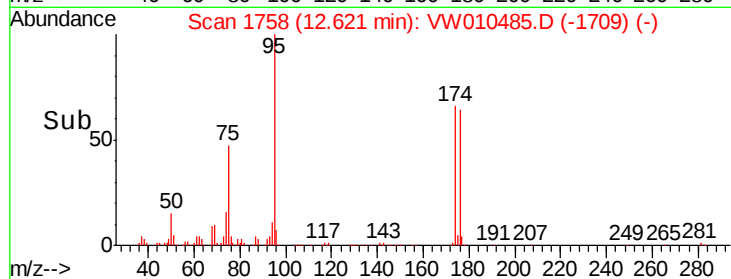
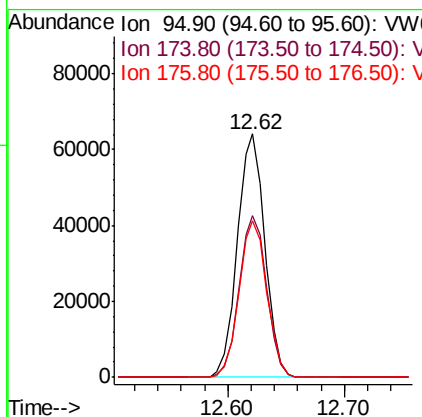
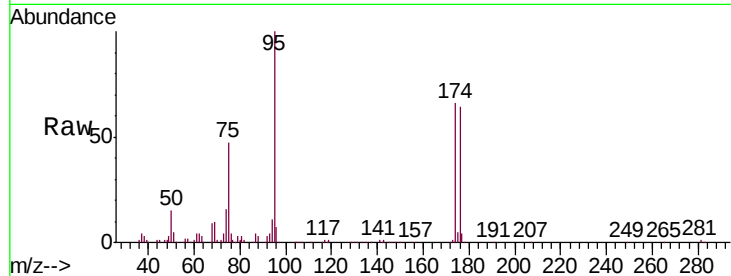




#62
4-Bromofluorobenzene
Concen: 48.846 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

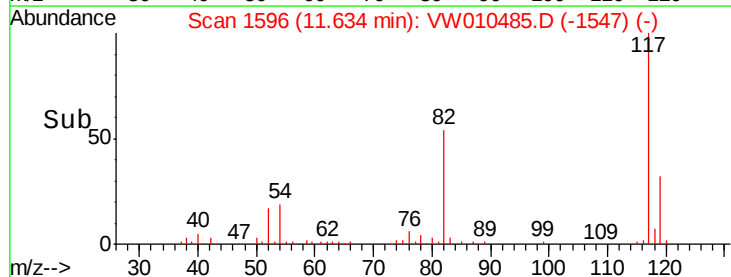
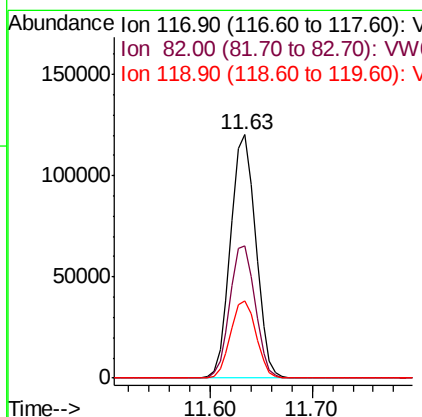
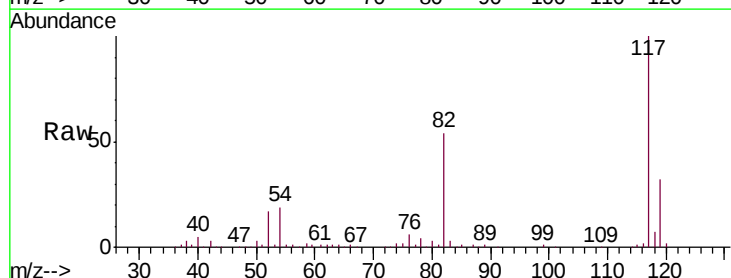
Instrument :
MSVOA_W
ClientSampleId :
FESB-16(2.4-2.9)

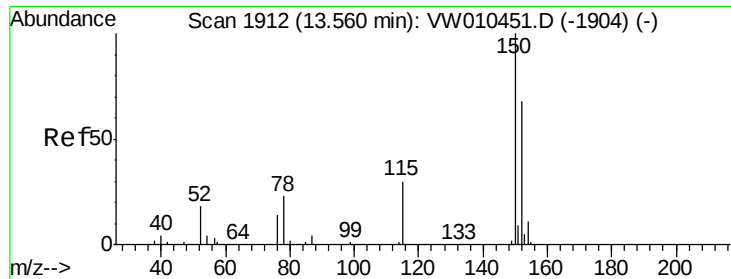
Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.0	0.0	148.6
176	65.1	0.0	144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010485.D
Acq: 21 May 2019 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.8	64.2
119	31.8	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: VW010485.D

Acq: 21 May 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

FESB-16(2.4-2.9)

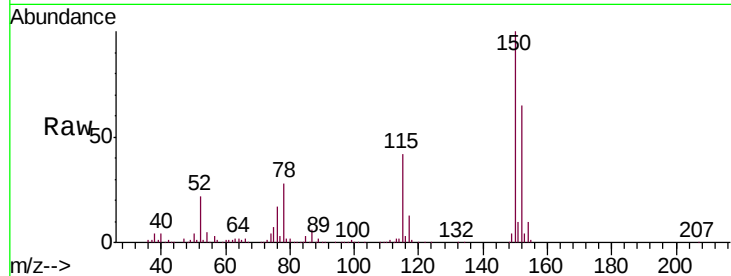
Tgt Ion:152 Resp: 87919

Ion Ratio Lower Upper

152 100

115 64.3 30.3 91.0

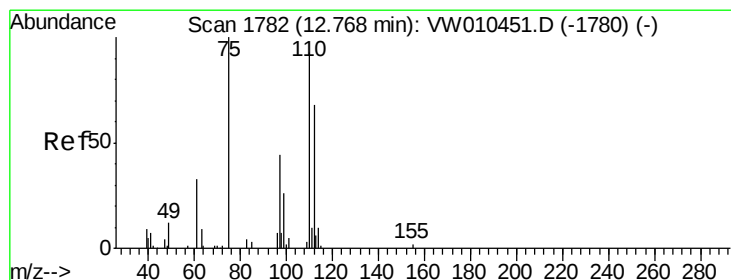
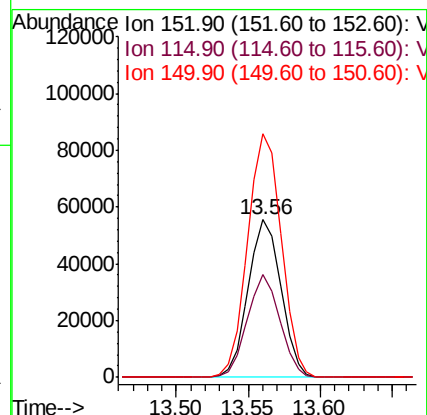
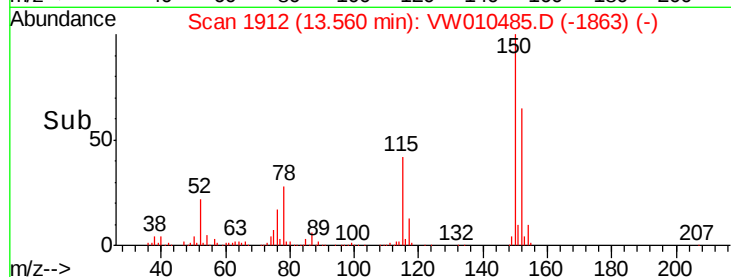
150 157.9 0.0 349.8



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: 55.694 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010485.D

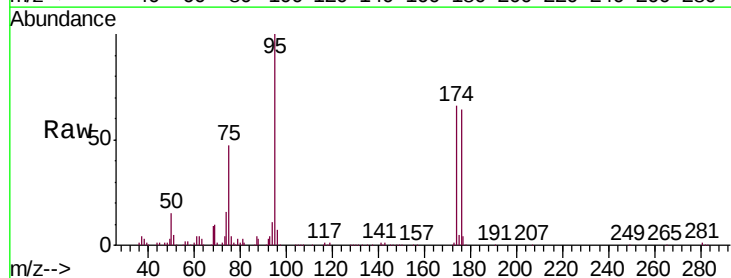
Acq: 21 May 2019 14:13

Tgt Ion: 75 Resp: 49703

Ion Ratio Lower Upper

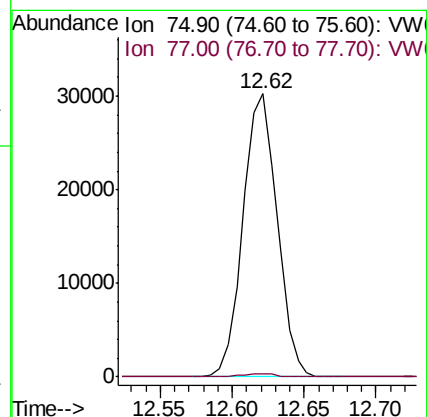
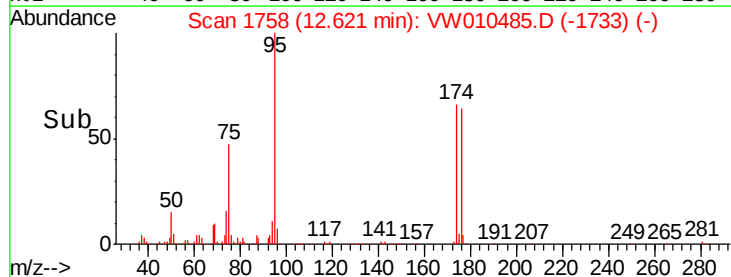
75 100

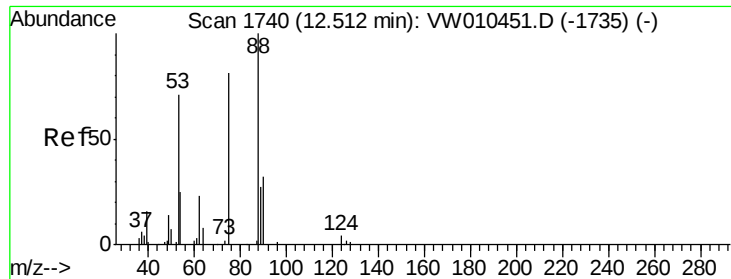
77 1.1 170.0 510.1#



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: 116.234 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010485.D

Acq: 21 May 2019 14:13

Instrument :

MSVOA_W

ClientSampleId :

FESB-16(2.4-2.9)

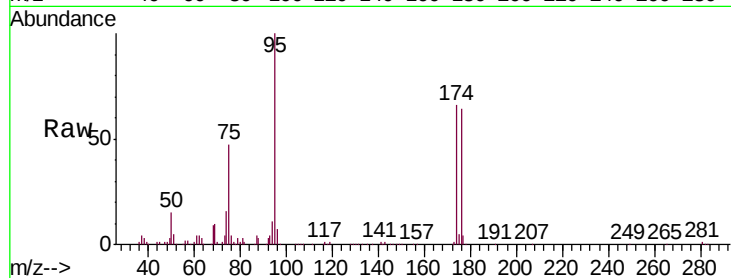
Tgt Ion: 75 Resp: 49703

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

