

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010531.D
 Acq On : 23 May 2019 15:48
 Operator : SY/VA
 Sample : K3010-04MS
 Misc : 7.07G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Quant Time: May 24 08:42:18 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	102888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	182056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	77765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	57253	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.88	113	56152	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.32	98	212415	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	83182	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	29521	32.106	ug/l	96
3) Chloromethane	2.21	50	33526	31.013	ug/l	94
4) Vinyl Chloride	2.35	62	36706	29.314	ug/l	95
5) Bromomethane	2.76	94	26885	31.210	ug/l	95
6) Chloroethane	2.91	64	24779	30.827	ug/l	95
7) Trichlorofluoromethane	3.25	101	62961	34.058	ug/l	99
8) Diethyl Ether	3.68	74	22672	38.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38863	34.136	ug/l	100
10) Methyl Iodide	4.27	142	37501	28.819	ug/l	98
11) Tert butyl alcohol	5.18	59	18344	192.035	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36986	34.033	ug/l	99
13) Acrolein	3.89	56	22825	425.757	ug/l	97
14) Allyl chloride	4.67	41	52892	33.623	ug/l	99
15) Acrylonitrile	5.37	53	48647	198.218	ug/l	97
16) Acetone	4.12	43	41175	189.945	ug/l	97
17) Carbon Disulfide	4.38	76	104512	32.242	ug/l	99
18) Methyl Acetate	4.67	43	30452	57.439	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	106589	38.473	ug/l	96
20) Methylene Chloride	4.92	84	43392	32.322	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	43022	34.513	ug/l	96
22) Diisopropyl ether	6.31	45	113282	35.120	ug/l	96
23) Vinyl Acetate	6.26	43	318660	165.385	ug/l	99
24) 1,1-Dichloroethane	6.21	63	66632	34.616	ug/l	98
25) 2-Butanone	7.17	43	61137	197.074	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62249	33.950	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48593	35.856	ug/l	98
28) Bromochloromethane	7.51	49	39522	57.347	ug/l	96
29) Tetrahydrofuran	7.53	42	41572	198.037	ug/l	97
30) Chloroform	7.67	83	74865	36.058	ug/l	96
31) Cyclohexane	7.95	56	64132	31.807	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	68319	34.427	ug/l	99
36) 1,1-Dichloropropene	8.09	75	57862	34.118	ug/l	100
37) Ethyl Acetate	7.25	43	27395	37.986	ug/l	98
38) Carbon Tetrachloride	8.07	117	61800	33.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73546	32.368	ug/l	97
40) Benzene	8.32	78	164154	34.824	ug/l	100
41) Methacrylonitrile	7.49	41	15412	35.966	ug/l	97
42) 1,2-Dichloroethane	8.40	62	50838	37.735	ug/l	99
43) Isopropyl Acetate	8.43	43	55081	38.230	ug/l	99
44) Trichloroethene	9.09	130	48420	34.600	ug/l	98
45) 1,2-Dichloropropane	9.37	63	39022	34.856	ug/l	99
46) Dibromomethane	9.46	93	24644	37.641	ug/l	97
47) Bromodichloromethane	9.65	83	57920	35.204	ug/l	99
48) Methyl methacrylate	9.43	41	25014	37.949	ug/l	98
49) 1,4-Dioxane	9.45	88	7390	690.966	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	141740	194.143	ug/l	99
52) Toluene	10.39	92	117964	37.264	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	59527	35.724	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66832	35.119	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	36441	38.706	ug/l	99
56) Ethyl methacrylate	10.65	69	48315	37.209	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59350	37.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	158869	276.232	ug/l	98
59) 2-Hexanone	10.97	43	98845	189.794	ug/l	99
60) Dibromochloromethane	11.13	129	43673	36.652	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36980	38.775	ug/l	100
64) Tetrachloroethene	10.86	164	36590	32.104	ug/l	97
65) Chlorobenzene	11.66	112	120130	34.476	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	44399	35.570	ug/l	99
67) Ethyl Benzene	11.73	91	206363	33.544	ug/l	99
68) m/p-Xylenes	11.84	106	163627	67.810	ug/l	99
69) o-Xylene	12.17	106	76859	33.619	ug/l	99
70) Styrene	12.18	104	132922	34.267	ug/l	100
71) Bromoform	12.35	173	24906	36.234	ug/l	# 100
73) Isopropylbenzene	12.46	105	207043	33.551	ug/l	100
74) N-amyl acetate	12.27	43	46500	32.883	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	43030	38.337	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53739	68.079	ug/l	21
77) Bromobenzene	12.75	156	49326	35.719	ug/l	98
78) n-propylbenzene	12.80	91	231650	32.212	ug/l	100
79) 2-Chlorotoluene	12.90	91	139879	33.540	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	171400	32.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13513	35.727	ug/l	95
82) 4-Chlorotoluene	12.99	91	145764	33.673	ug/l	100
83) tert-Butylbenzene	13.21	119	147958	32.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	170547	32.764	ug/l	99
85) sec-Butylbenzene	13.38	105	202413	31.682	ug/l	100
86) p-Isopropyltoluene	13.50	119	184522	31.909	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	92277	34.059	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	92886	34.171	ug/l	98
89) n-Butylbenzene	13.83	91	165244	30.042	ug/l	99
90) Hexachloroethane	14.10	117	35746	31.936	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	85603	34.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7871	37.714	ug/l	99

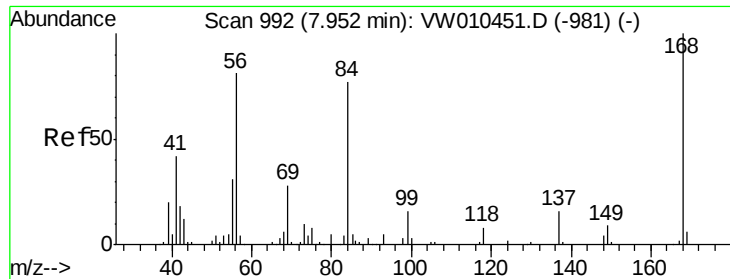
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	54271	32.311	ug/l	99
94) Hexachlorobutadiene	15.24	225	26070	29.054	ug/l	99
95) Naphthalene	15.37	128	129014	36.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	49152	34.009	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

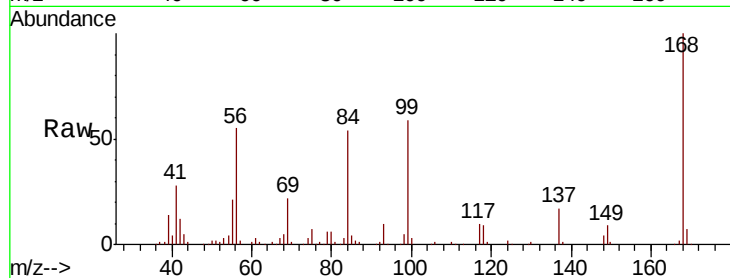
FESB-23(3-3.5)MS

Tot Ion:168 Resp: 102888

Ion Ratio Lower Upper

168 100

99 58.6 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

50000

40000

30000

20000

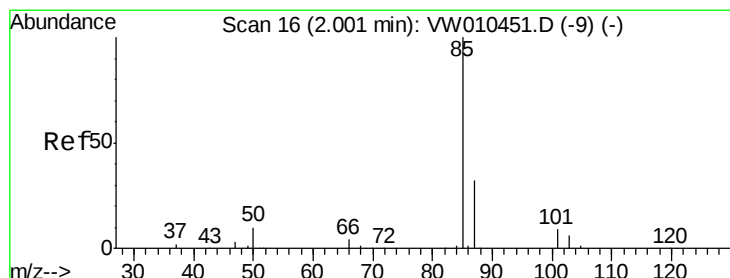
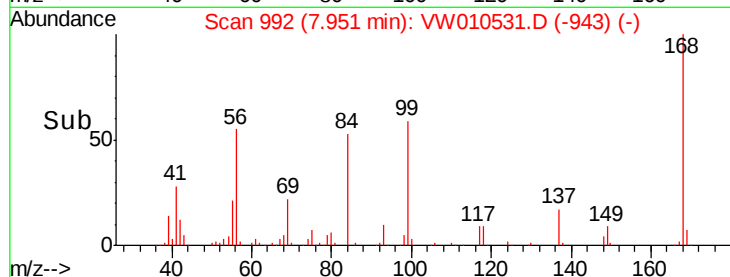
10000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 32.106 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010531.D

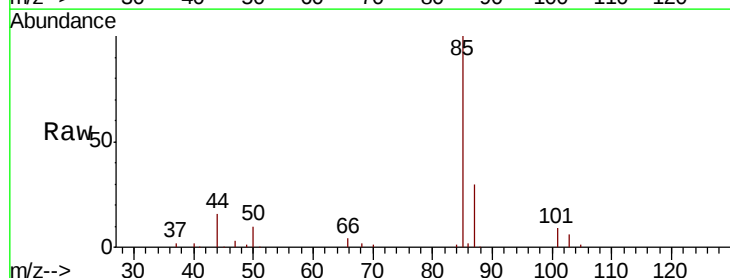
Acq: 23 May 2019 15:48

Tgt Ion: 85 Resp: 29521

Ion Ratio Lower Upper

85 100

87 30.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

20000

15000

10000

5000

0

Time-->

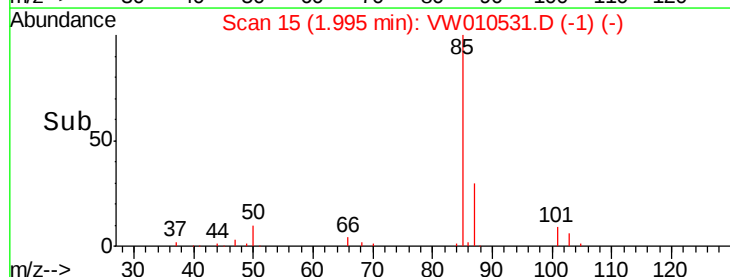
1.90

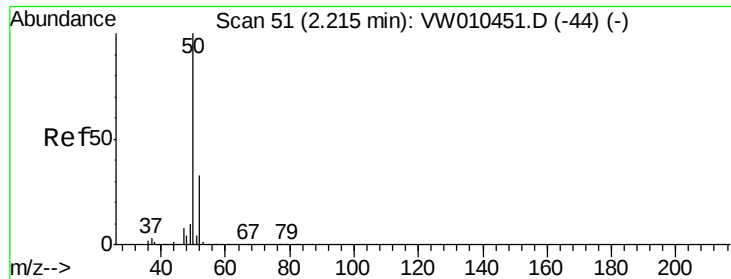
1.95

2.00

2.05

2.10





#3

Chloromethane

Concen: 31.013 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

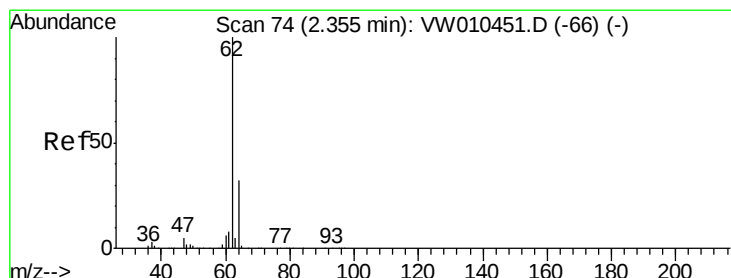
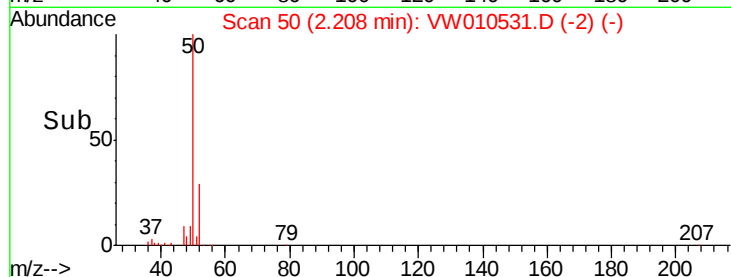
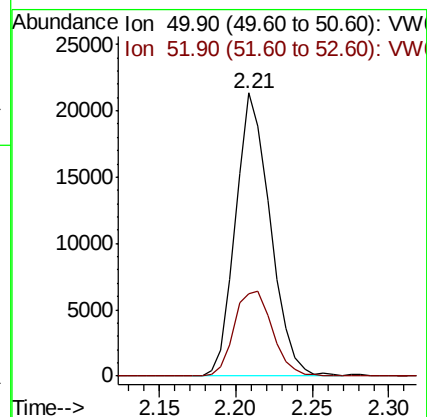
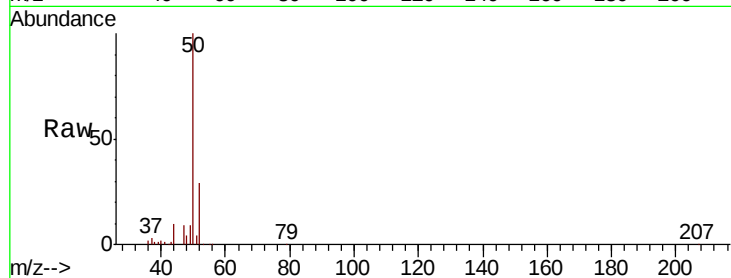
FESB-23(3-3.5)MS

Tot Ion: 50 Resp: 33526

Ion Ratio Lower Upper

50 100

52 29.3 26.3 39.5



#4

Vinyl Chloride

Concen: 29.314 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010531.D

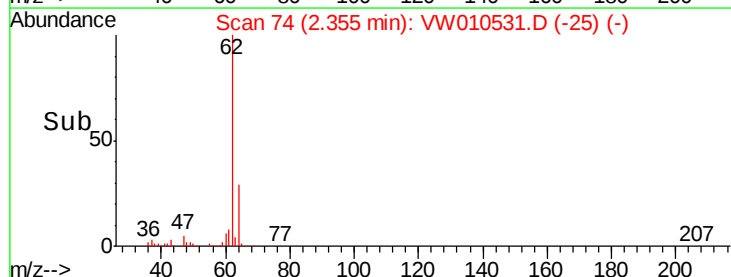
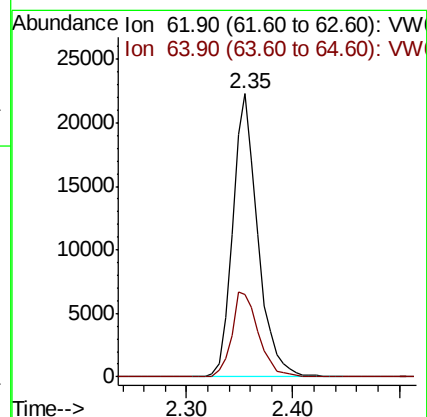
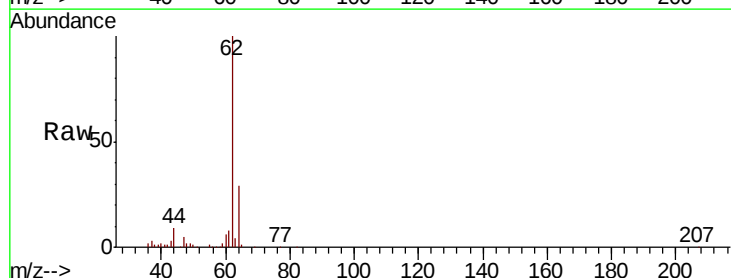
Acq: 23 May 2019 15:48

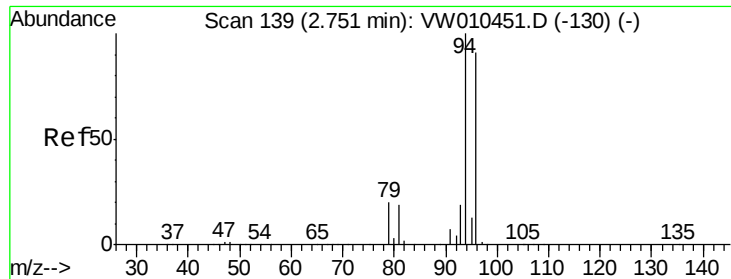
Tgt Ion: 62 Resp: 36706

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.8





#5

Bromomethane

Concen: 31.210 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

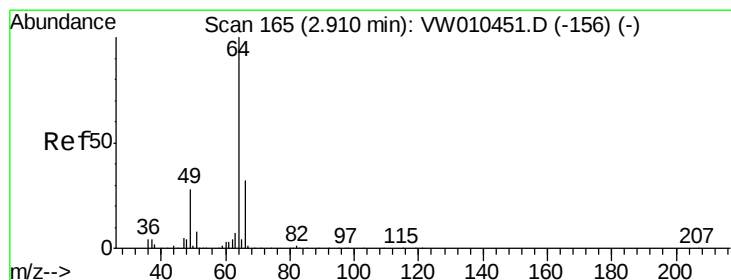
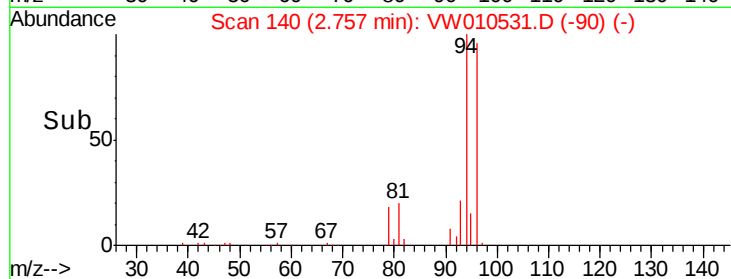
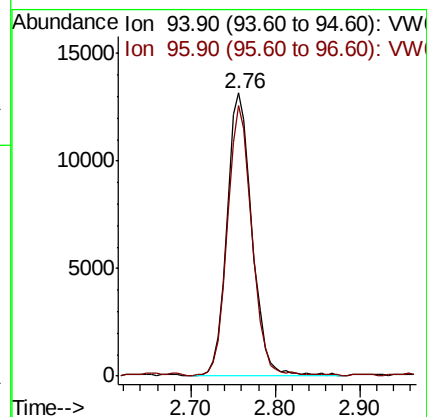
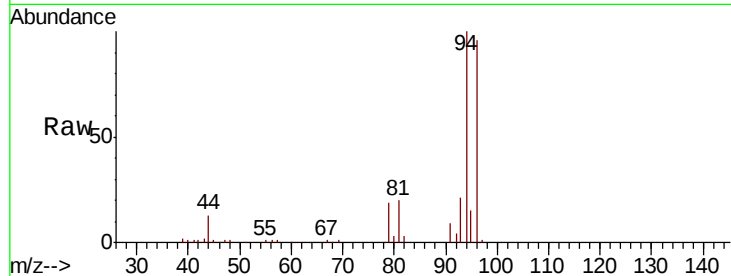
FESB-23(3-3.5)MS

Tot Ion: 94 Resp: 26885

Ion Ratio Lower Upper

94 100

96 95.6 72.9 109.3



#6

Chloroethane

Concen: 30.827 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010531.D

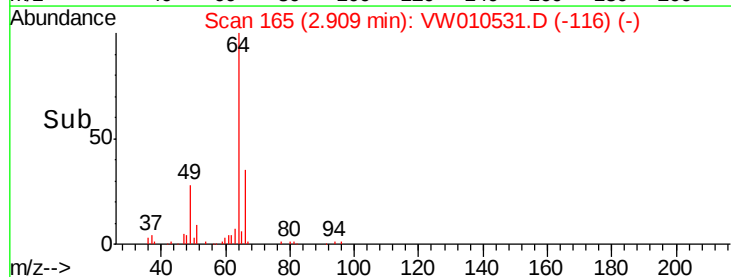
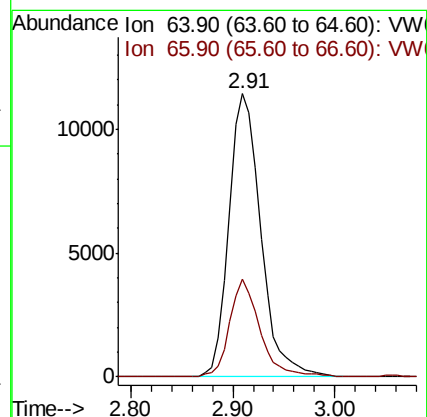
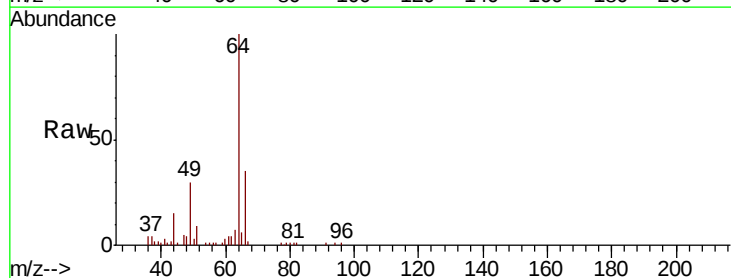
Acq: 23 May 2019 15:48

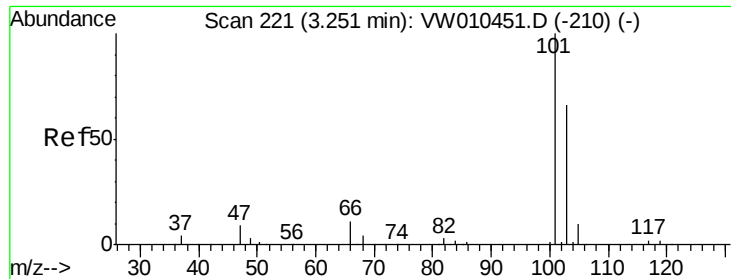
Tgt Ion: 64 Resp: 24779

Ion Ratio Lower Upper

64 100

66 34.7 25.5 38.3



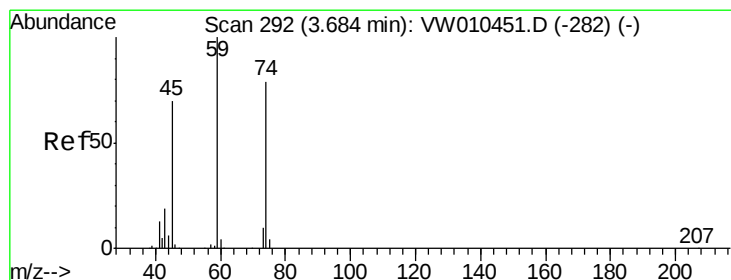
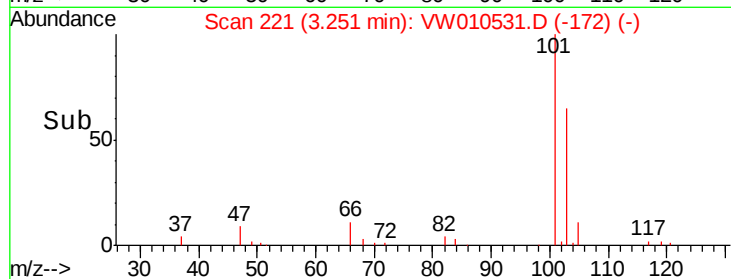
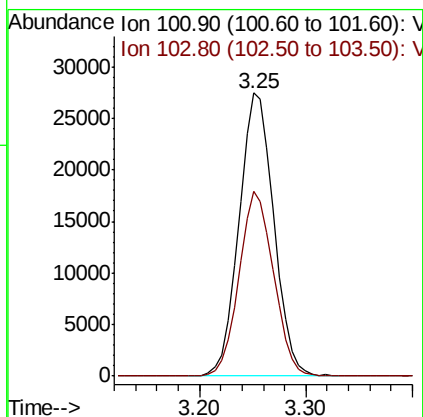
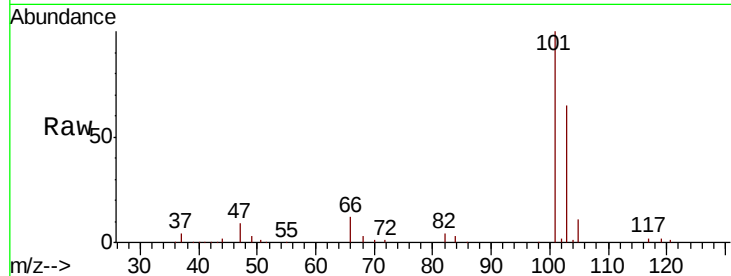


#7

Trichlorofluoromethane
 Concen: 34.058 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010531.D
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Instrument :
 MSVOA_W
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 FESB-23(3-3.5)MS

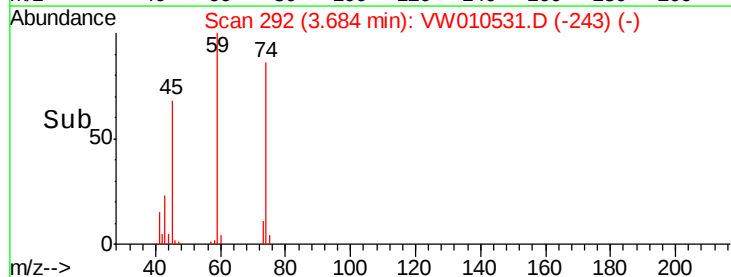
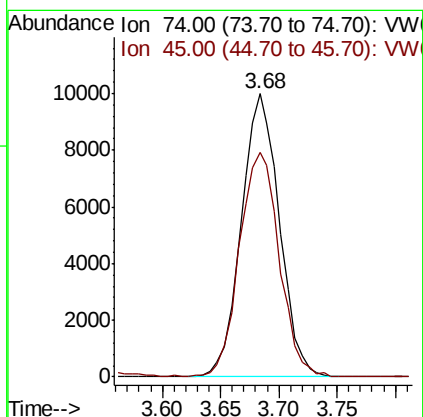
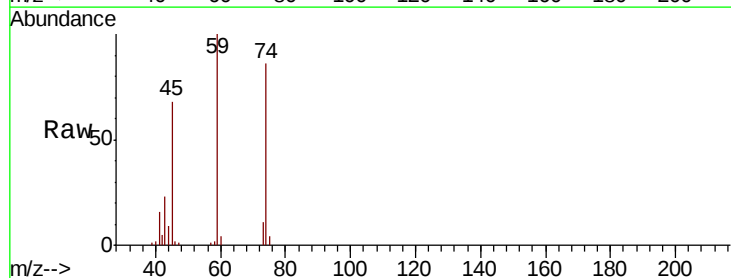
Tot Ion:101 Resp: 62961
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.0 79.4

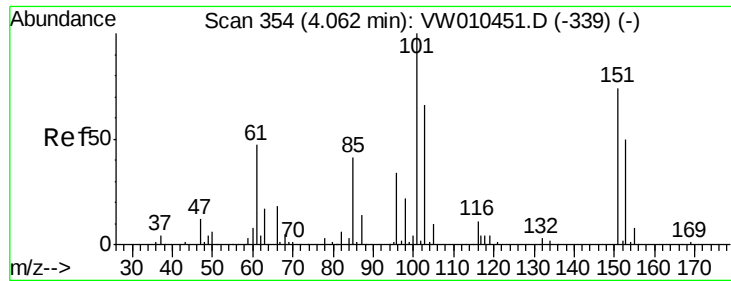


#8

Diethyl Ether
 Concen: 38.689 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 74 Resp: 22672
 Ion Ratio Lower Upper
 74 100
 45 83.4 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.136 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

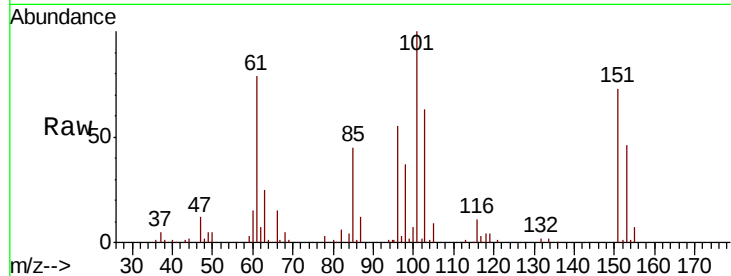
Tot Ion:101 Resp: 38863

Ion Ratio Lower Upper

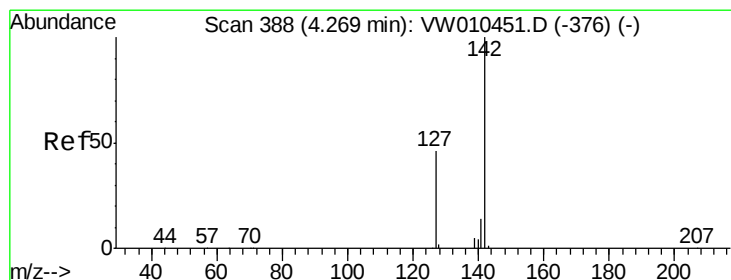
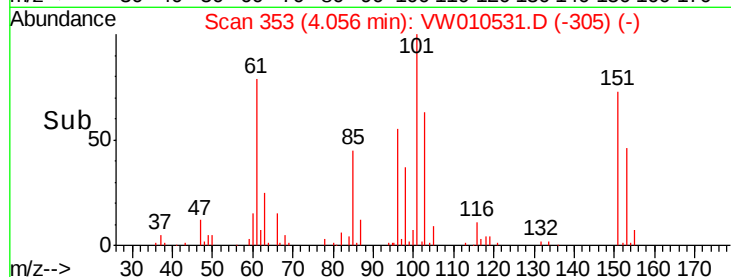
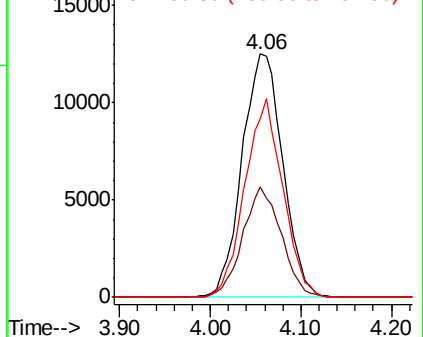
101 100

85 42.9 34.3 51.5

151 75.9 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.819 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

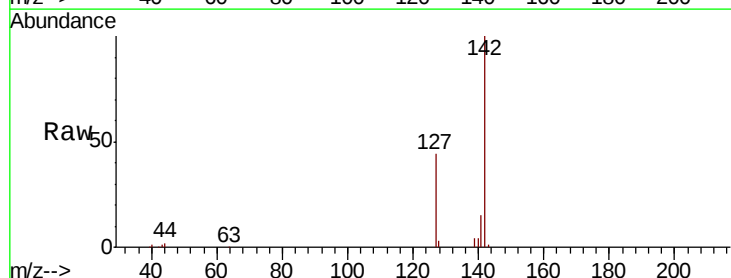
Tgt Ion:142 Resp: 37501

Ion Ratio Lower Upper

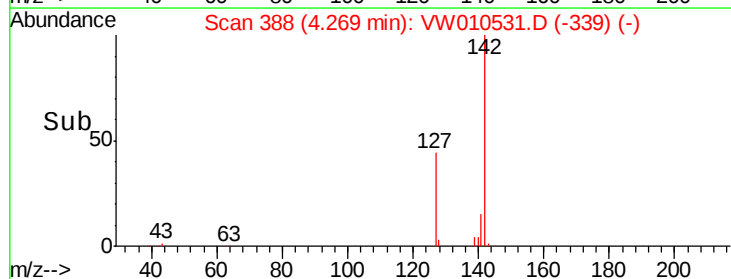
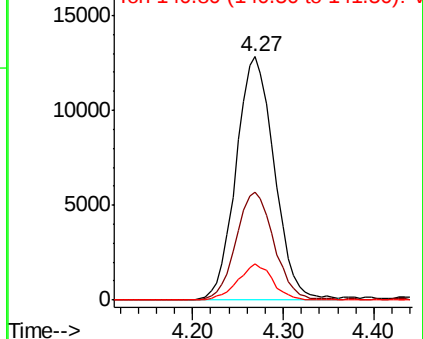
142 100

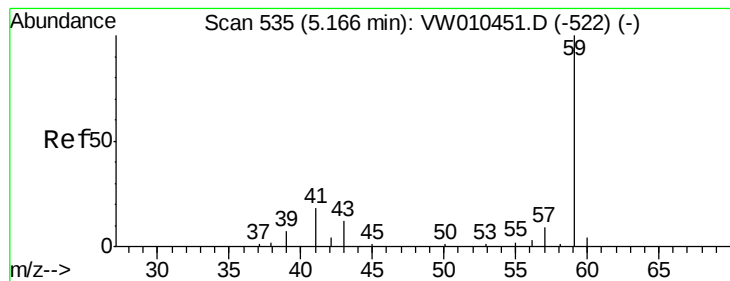
127 43.6 36.1 54.1

141 13.4 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



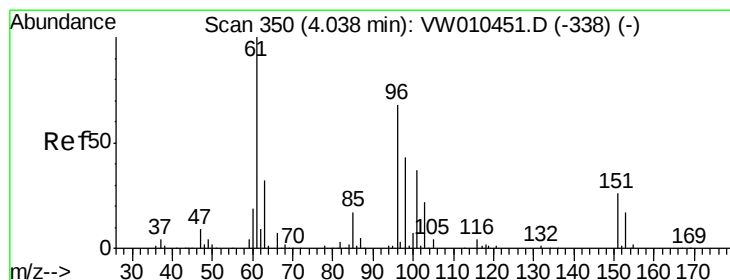
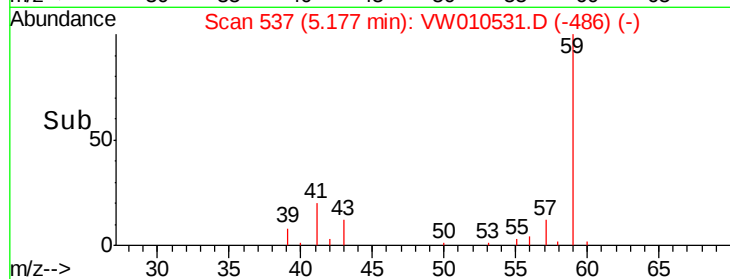
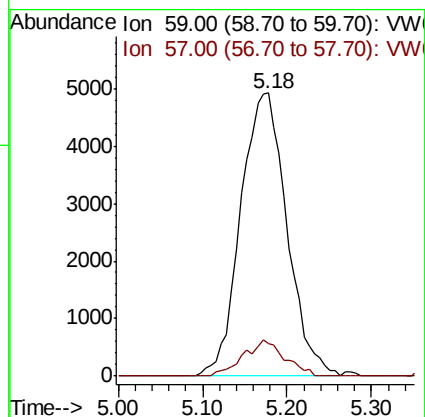
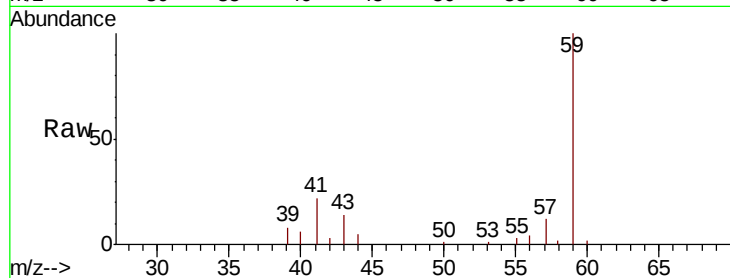


#11

Tert butyl alcohol
 Concen: 192.035 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

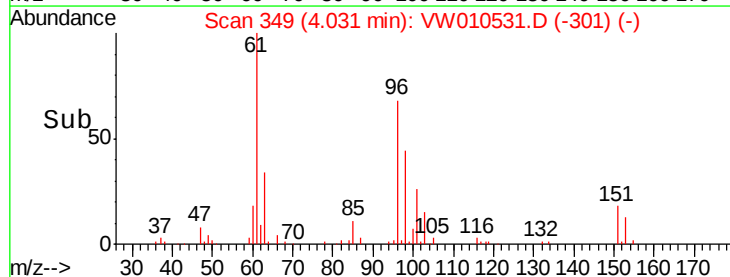
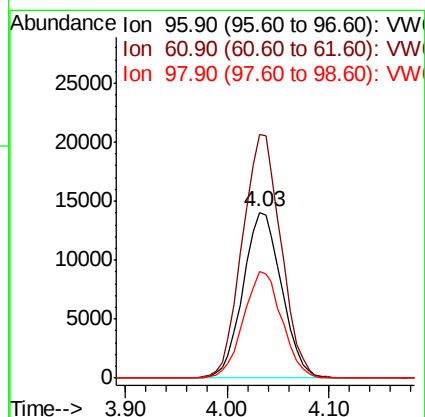
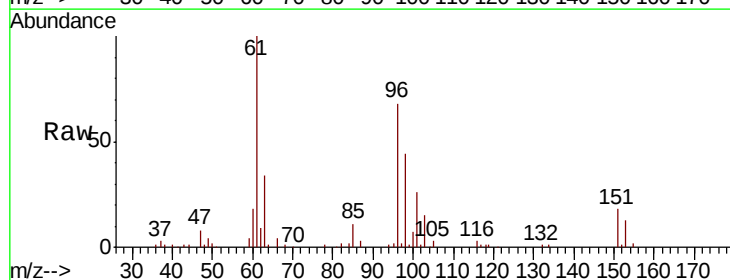
Tot Ion: 59 Resp: 18344
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.8 13.2

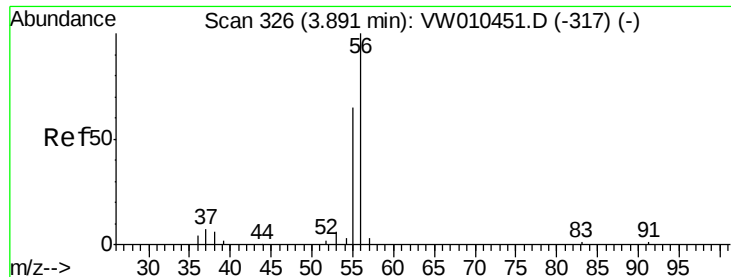


#12

1,1-Dichloroethene
 Concen: 34.033 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 96 Resp: 36986
 Ion Ratio Lower Upper
 96 100
 61 147.0 118.3 177.5
 98 64.7 51.0 76.6

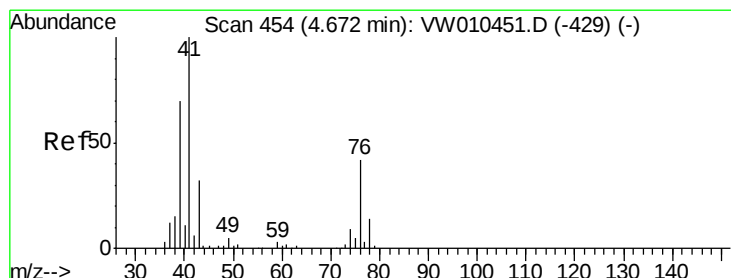
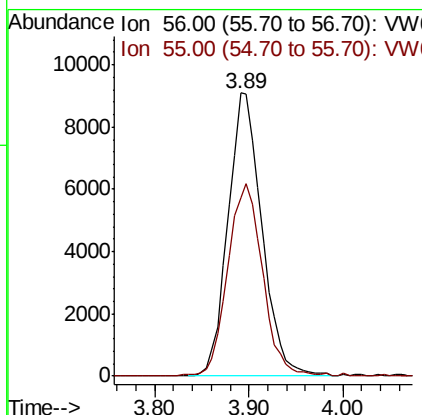
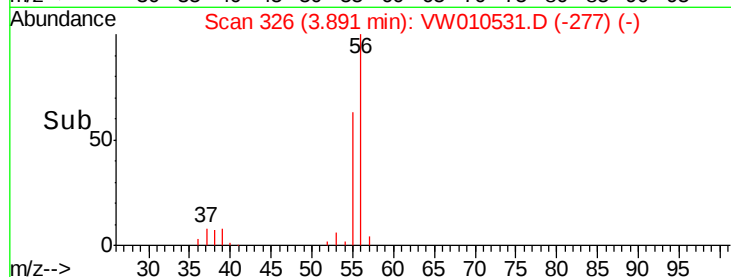
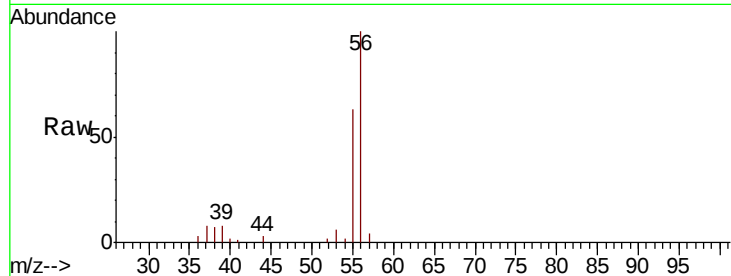




#13
 Acrolein
 Concen: 425.757 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

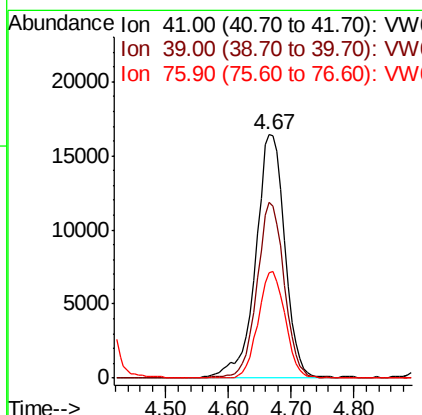
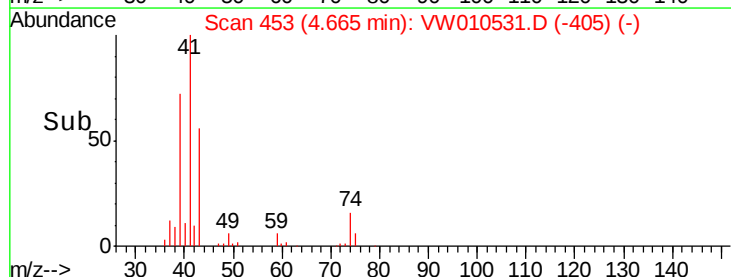
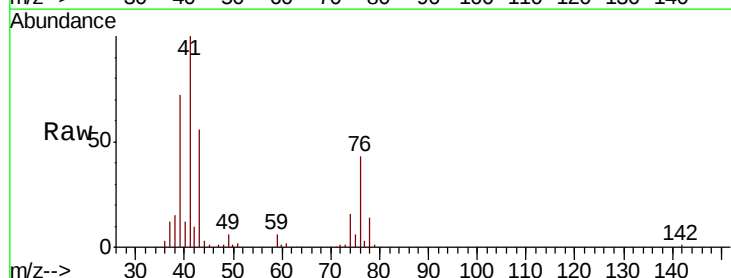
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

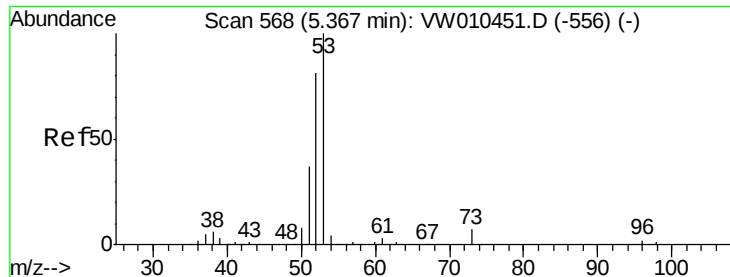
Tot Ion: 56 Resp: 22825
 Ion Ratio Lower Upper
 56 100
 55 69.9 57.9 86.9



#14
 Allyl chloride
 Concen: 33.623 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 41 Resp: 52892
 Ion Ratio Lower Upper
 41 100
 39 67.4 55.0 82.4
 76 40.4 32.8 49.2





#15

Acrylonitrile

Concen: 198.218 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

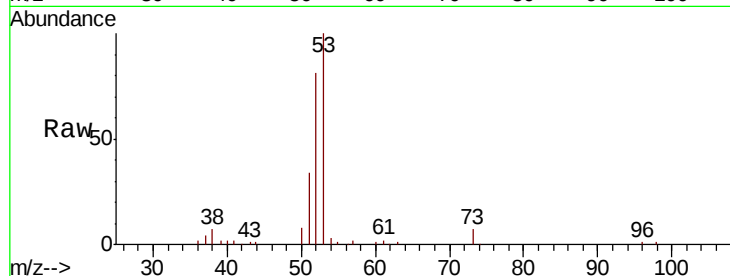
Tot Ion: 53 Resp: 48647

Ion Ratio Lower Upper

53 100

52 79.1 65.6 98.4

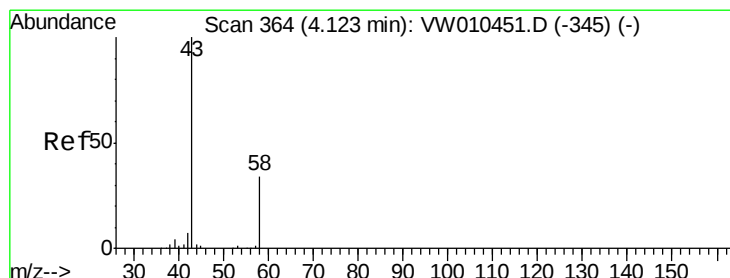
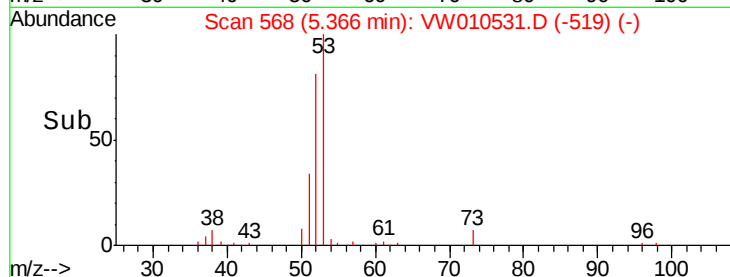
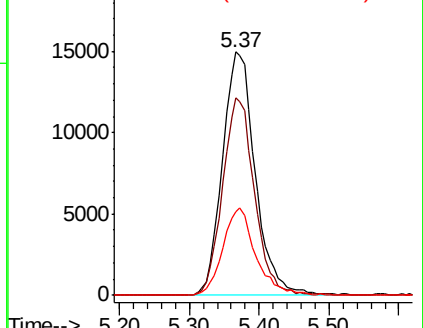
51 35.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 189.945 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010531.D

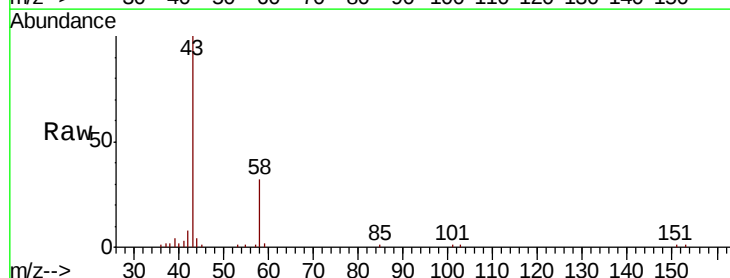
Acq: 23 May 2019 15:48

Tgt Ion: 43 Resp: 41175

Ion Ratio Lower Upper

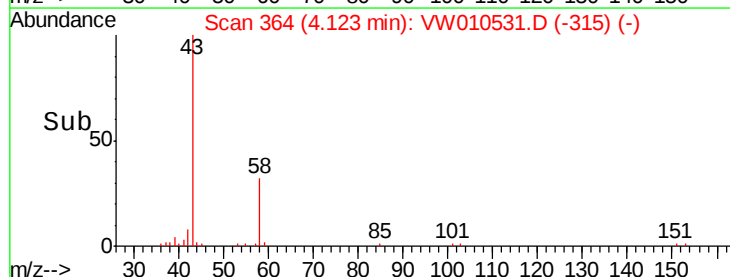
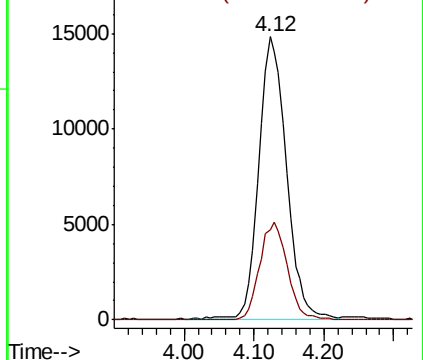
43 100

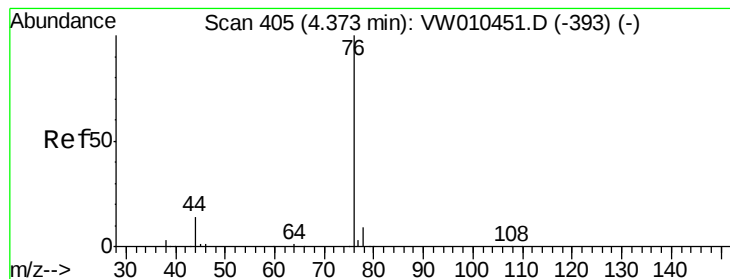
58 31.8 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 32.242 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

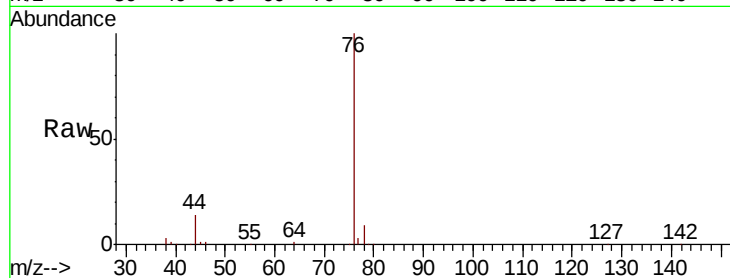
FESB-23(3-3.5)MS

Tot Ion: 76 Resp: 104512

Ion Ratio Lower Upper

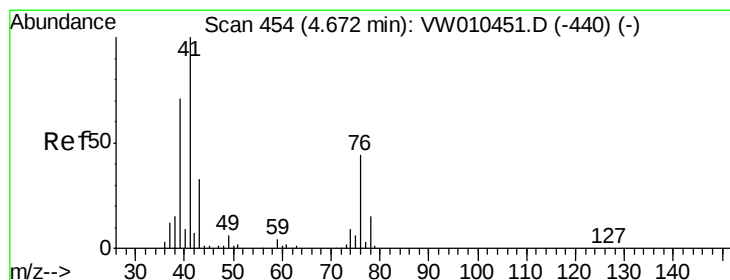
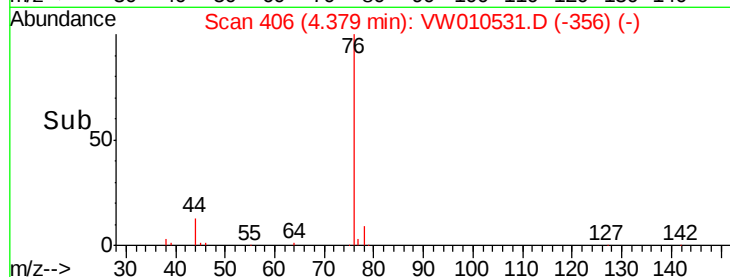
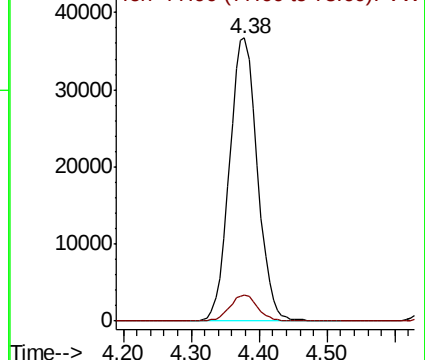
76 100

78 9.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 57.439 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010531.D

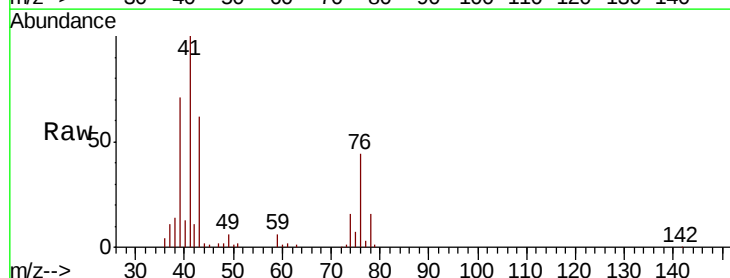
Acq: 23 May 2019 15:48

Tgt Ion: 43 Resp: 30452

Ion Ratio Lower Upper

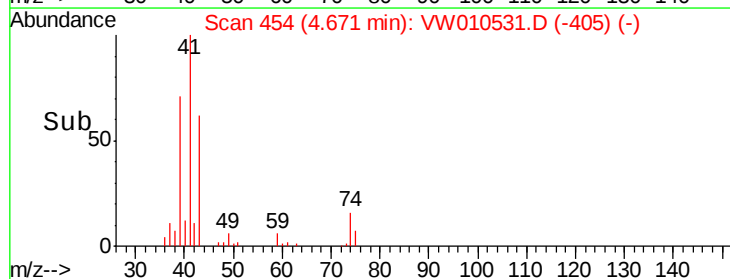
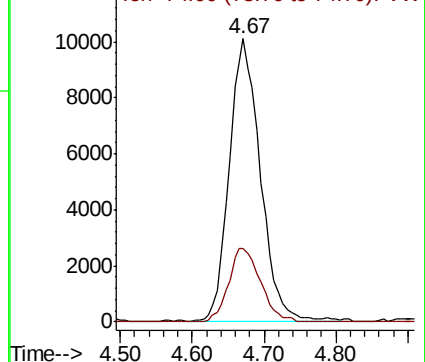
43 100

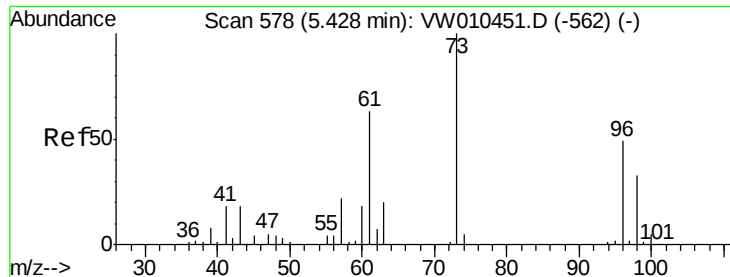
74 26.5 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

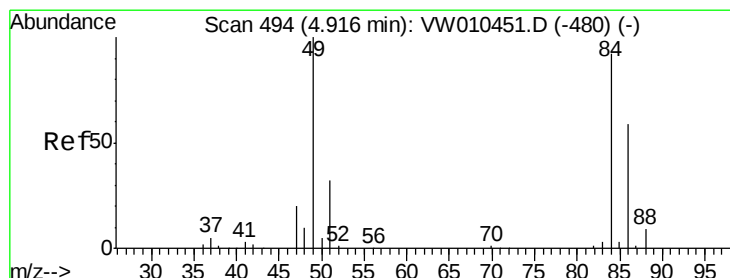
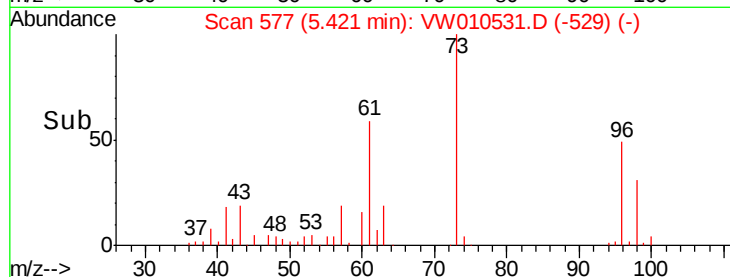
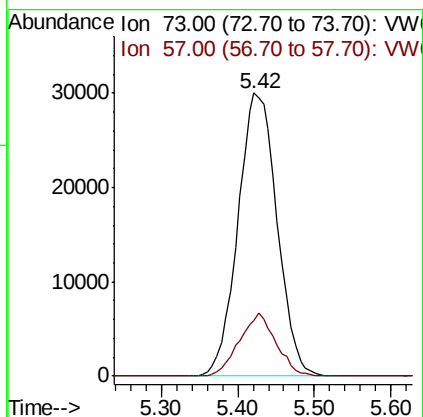
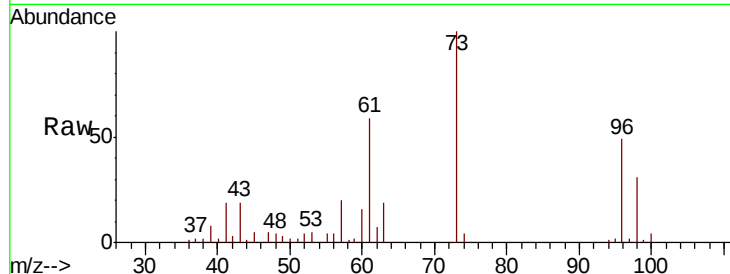




#19
Methvl tert-butvl Ether
Concen: 38.473 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

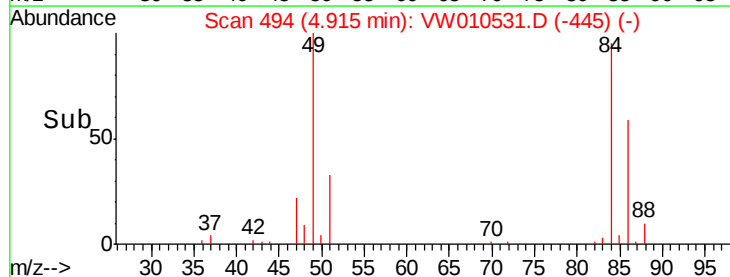
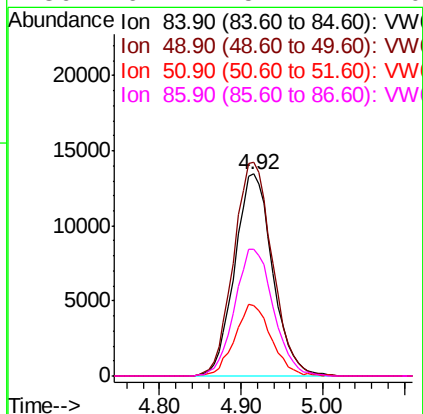
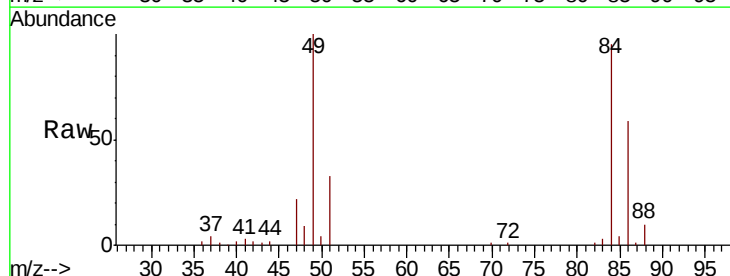
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

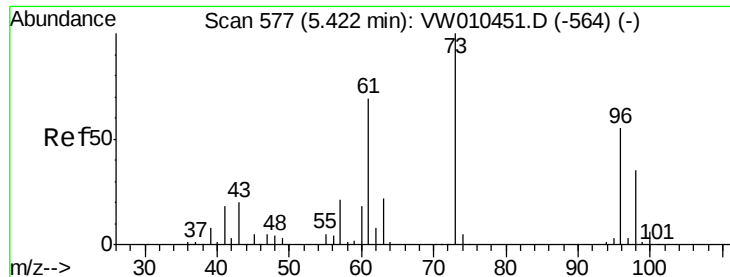
Tot Ion: 73 Resp: 106589
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.0



#20
Methylene Chloride
Concen: 32.322 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 84 Resp: 43392
Ion Ratio Lower Upper
84 100
49 105.7 87.2 130.8
51 34.7 27.7 41.5
86 62.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 34.513 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

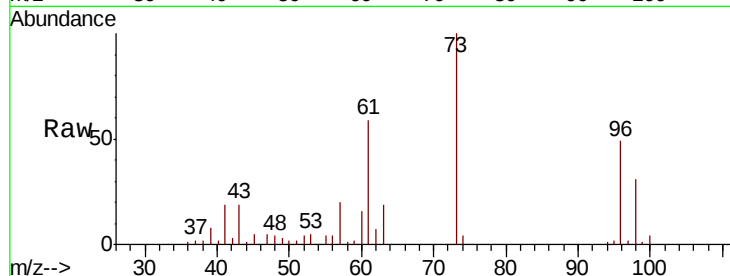
Tot Ion: 96 Resp: 43022

Ion Ratio Lower Upper

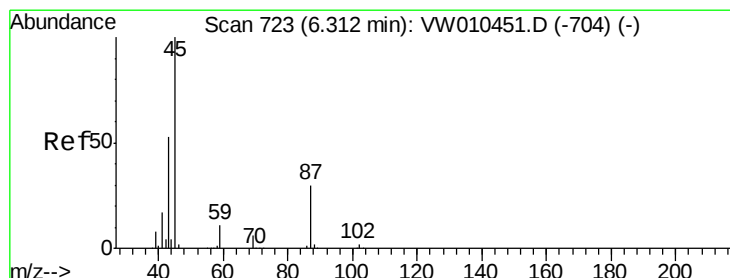
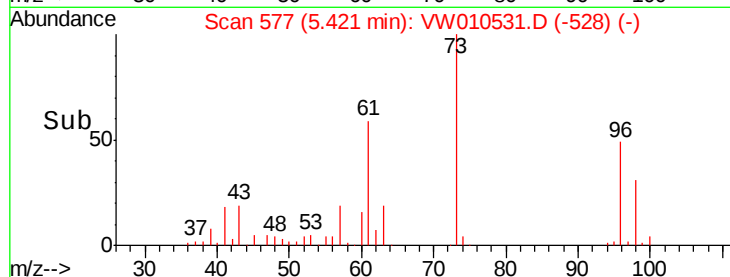
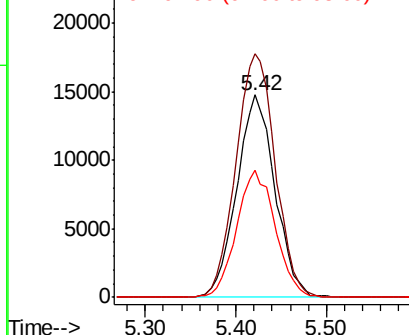
96 100

61 120.3 101.4 152.0

98 63.1 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 35.120 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion: 45 Resp: 113282

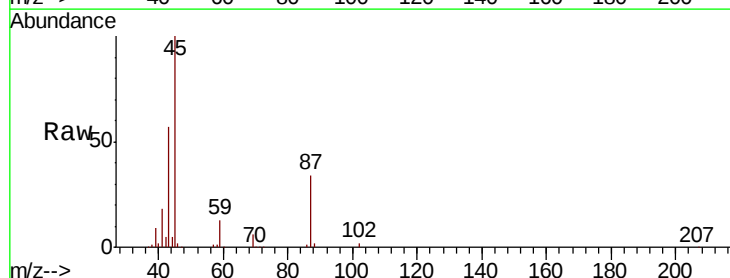
Ion Ratio Lower Upper

45 100

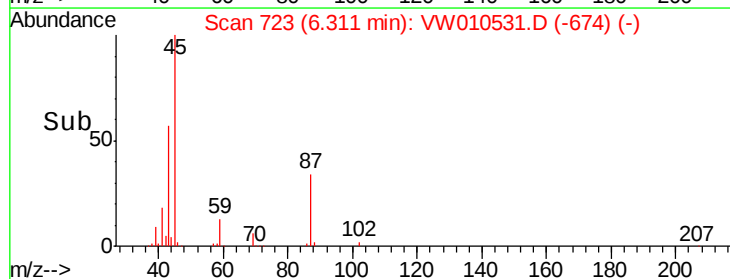
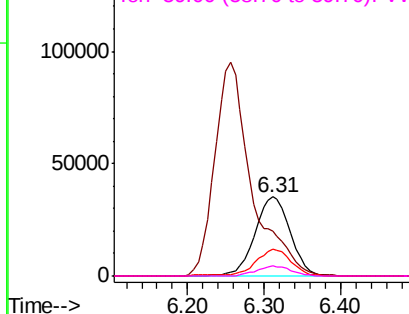
43 56.5 42.9 64.3

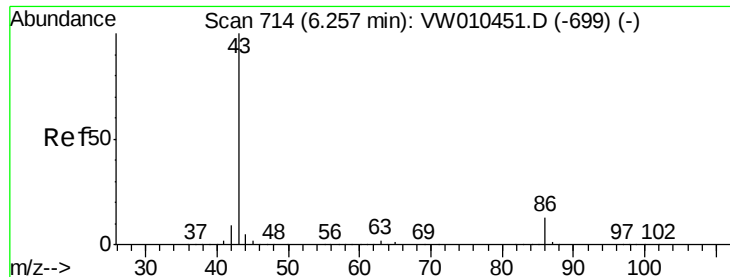
87 33.7 24.6 36.8

59 13.0 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 165.385 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

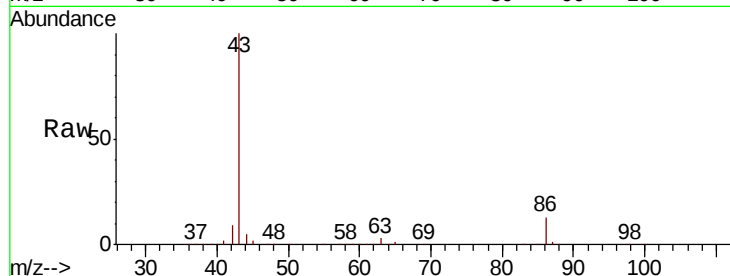
FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 318660

Ion Ratio Lower Upper

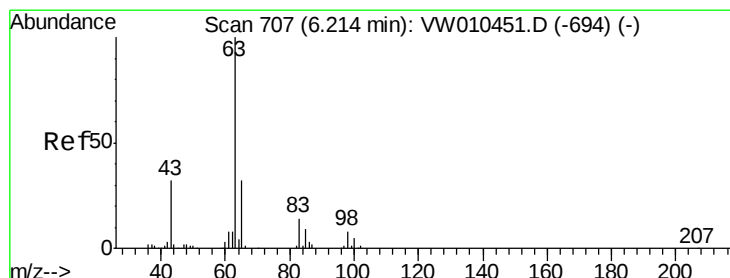
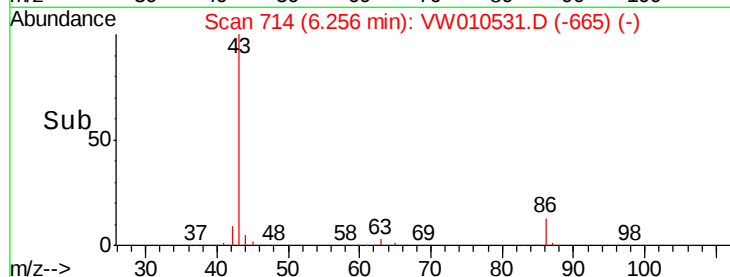
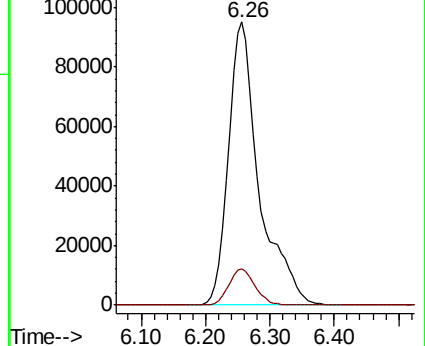
43 100

86 12.6 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 34.616 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

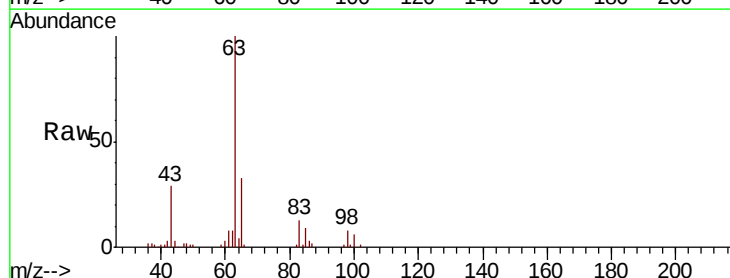
Tgt Ion: 63 Resp: 66632

Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.2

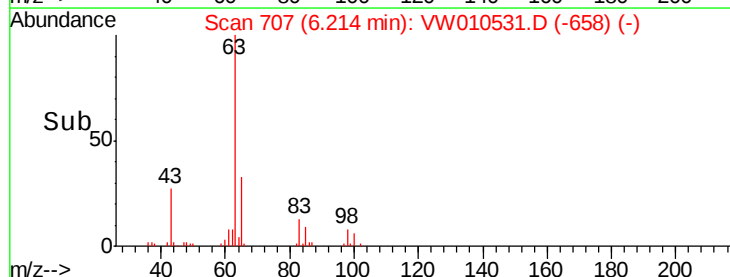
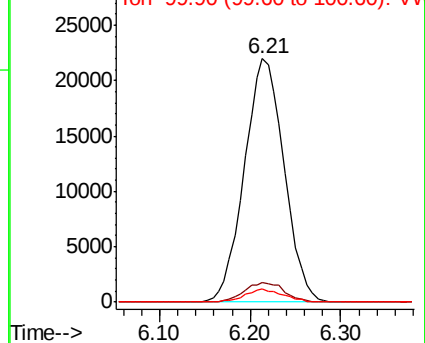
100 5.6 2.5 7.4

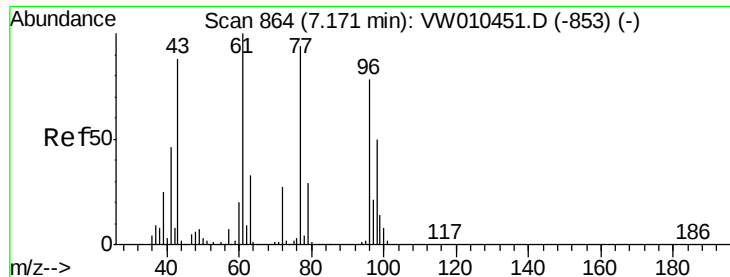


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 197.074 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

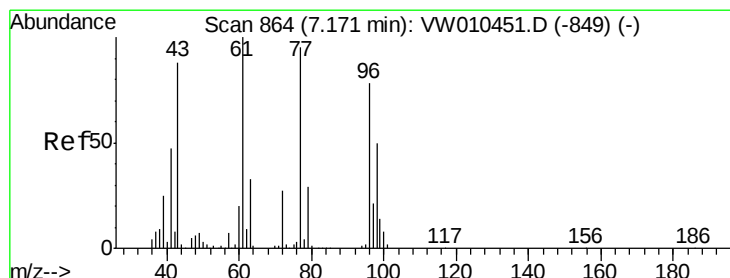
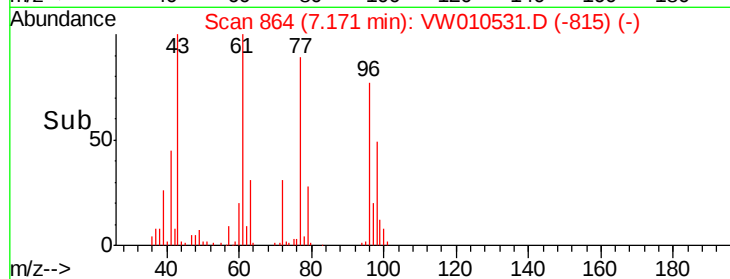
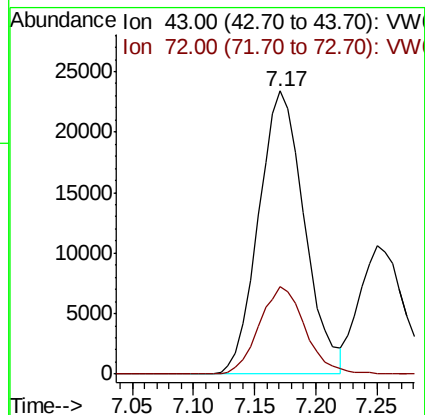
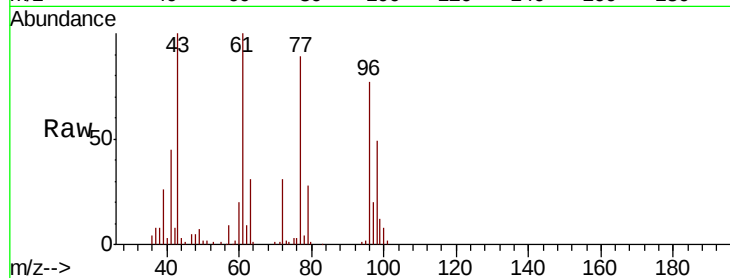
FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 61137

Ion Ratio Lower Upper

43 100

72 30.8 24.1 36.1



#26

2,2-Dichloropropane

Concen: 33.950 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010531.D

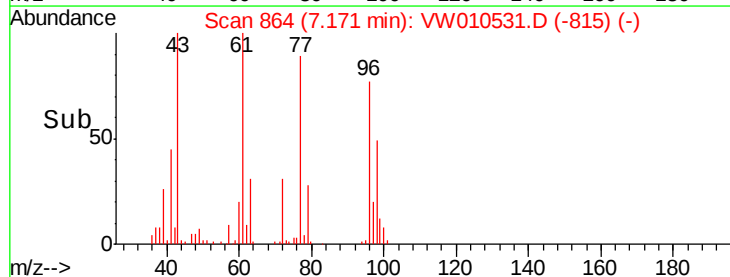
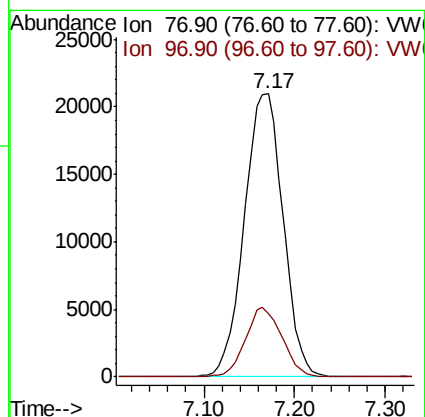
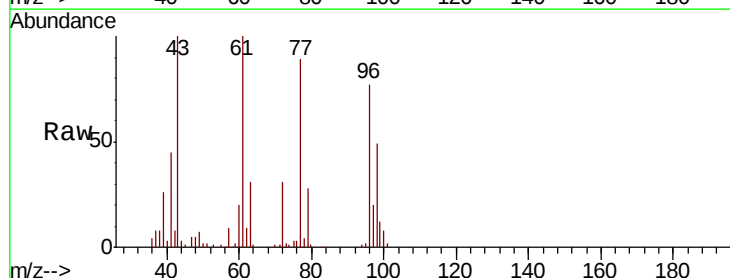
Acq: 23 May 2019 15:48

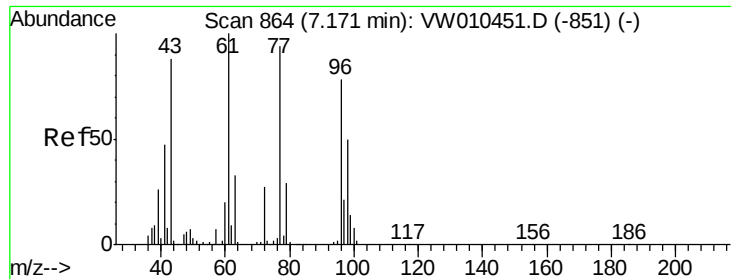
Tgt Ion: 77 Resp: 62249

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



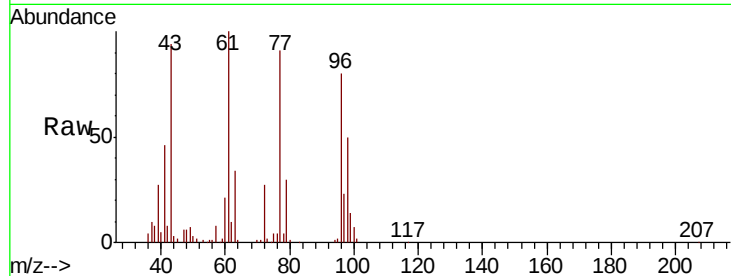


#27

cis-1,2-Dichloroethene
 Concen: 35.856 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	265.4
98	63.2	0.0	129.4

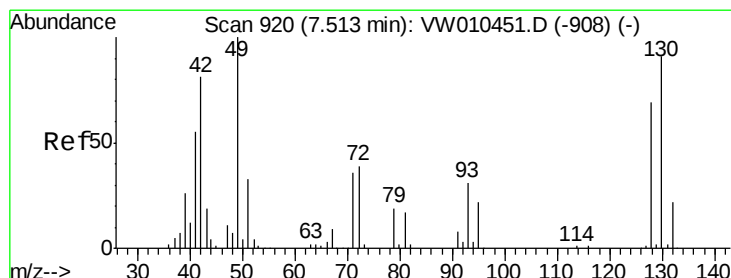
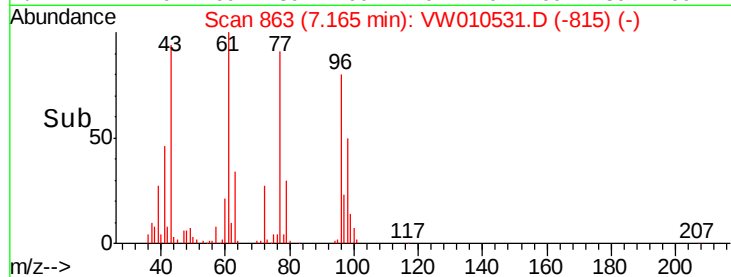
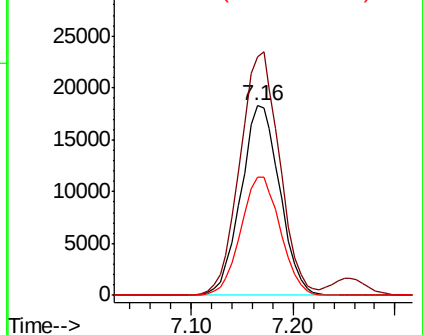


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

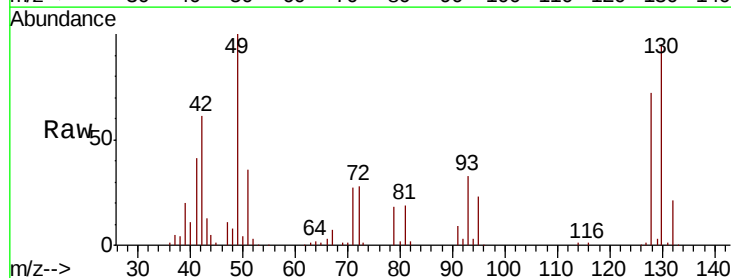
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 57.347 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	93.1	71.2	106.8

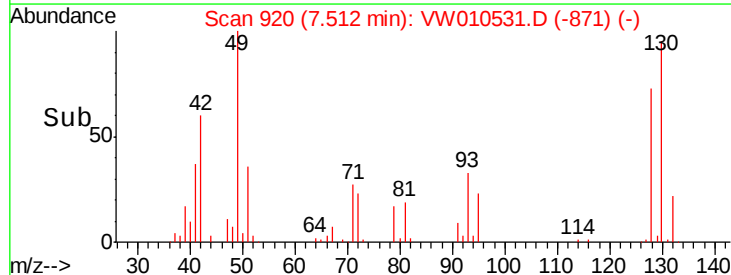
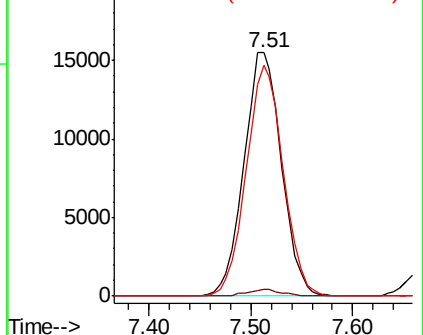


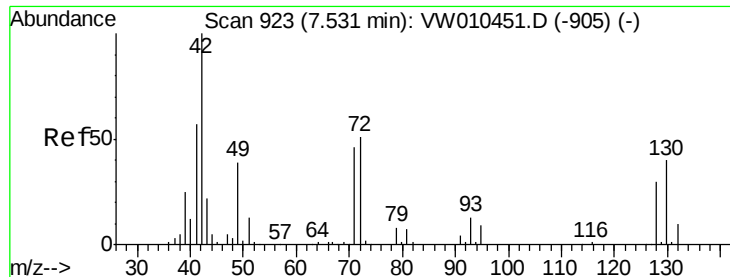
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

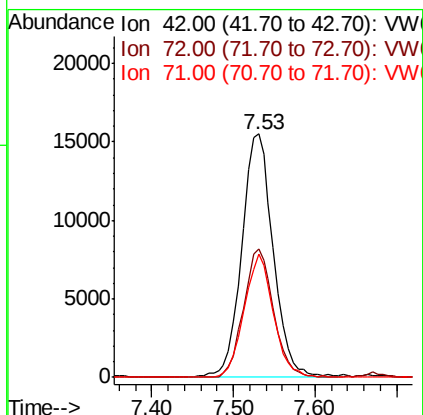
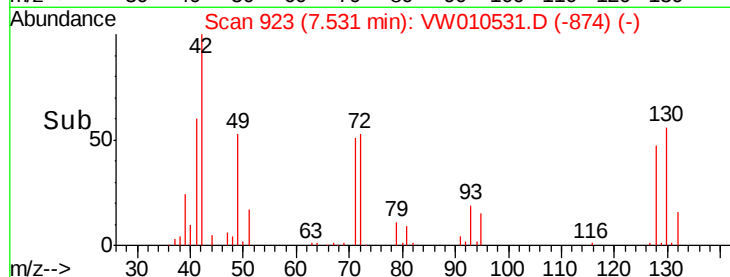
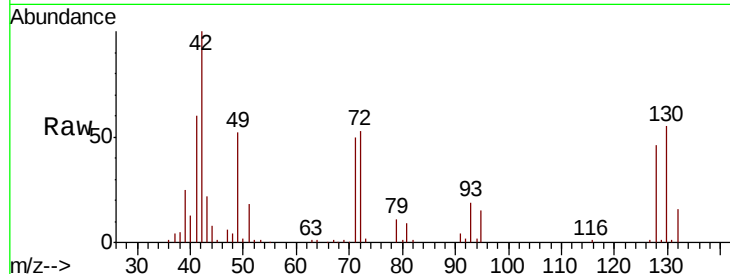




#29
Tetrahydrofuran
Concen: 198.037 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

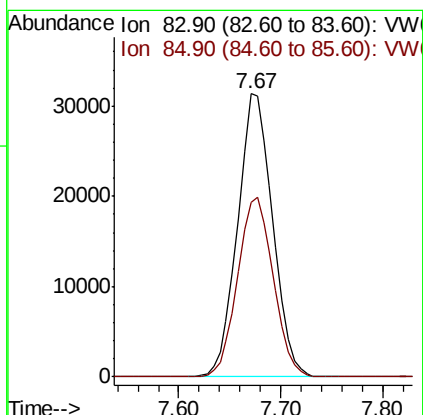
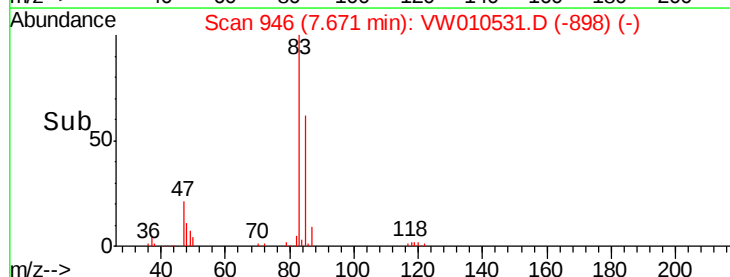
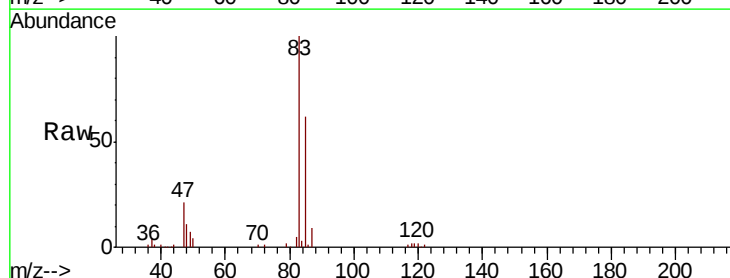
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

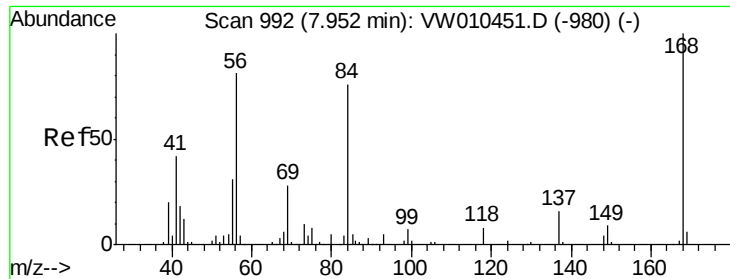
Tot Ion: 42 Resp: 41572
Ion Ratio Lower Upper
42 100
72 50.1 38.5 57.7
71 47.0 36.5 54.7



#30
Chloroform
Concen: 36.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 83 Resp: 74865
Ion Ratio Lower Upper
83 100
85 61.8 52.2 78.4

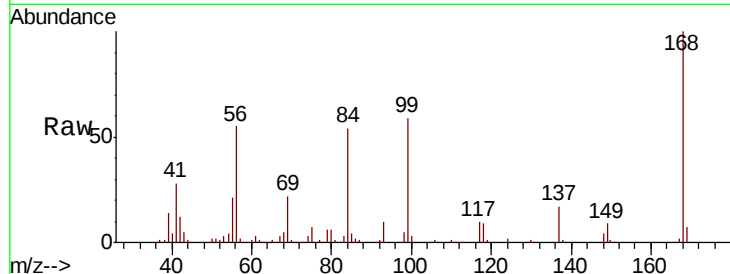




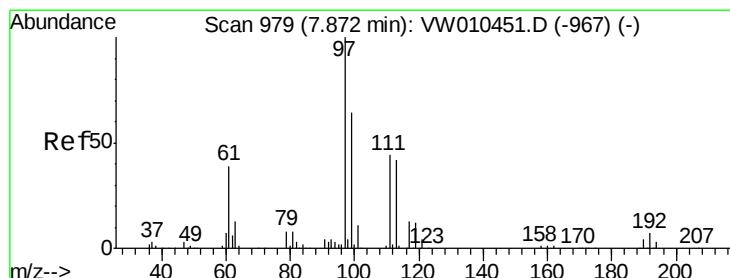
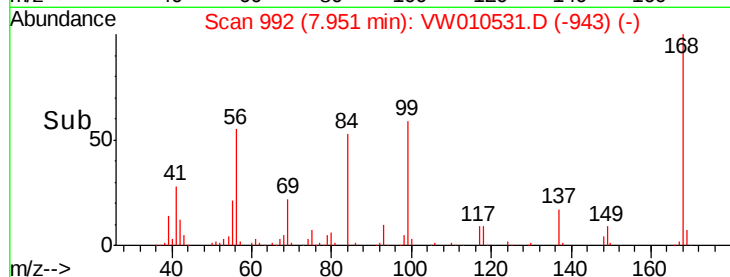
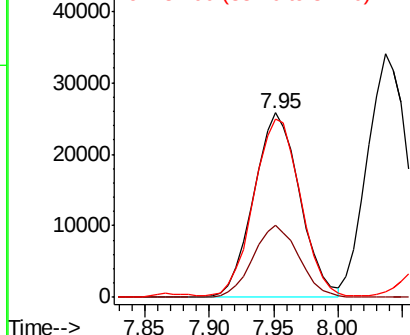
#31
Cyclohexane
Concen: 31.807 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion: 56 Resp: 64132
Ion Ratio Lower Upper
56 100
69 39.3 28.2 42.2
84 95.4 75.8 113.8

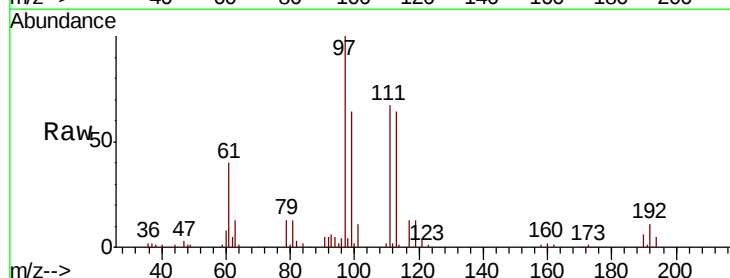


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

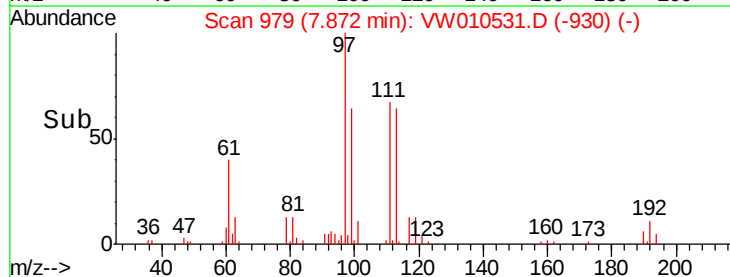
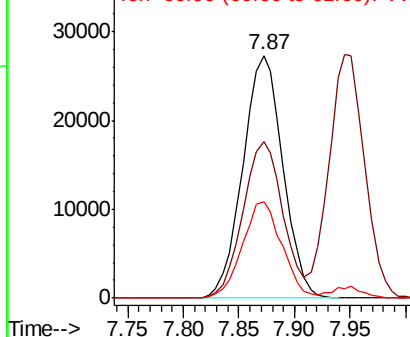


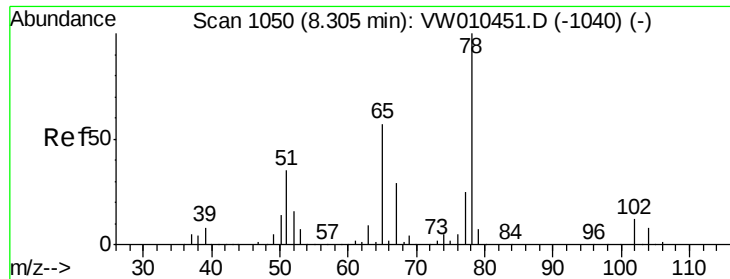
#32
1,1,1-Trichloroethane
Concen: 34.427 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 97 Resp: 68319
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 39.3 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

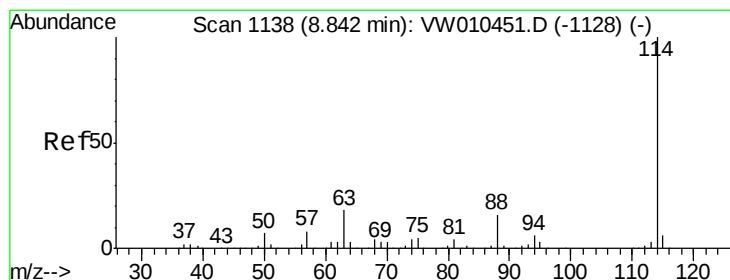
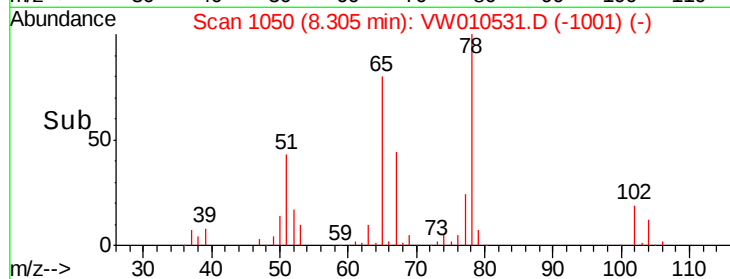
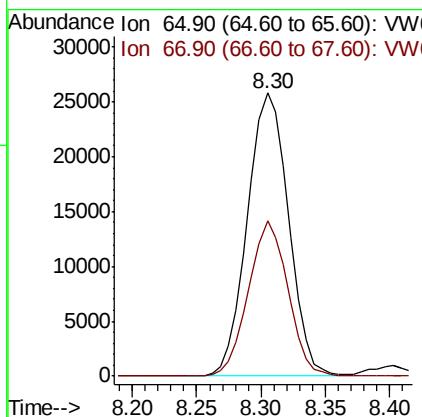
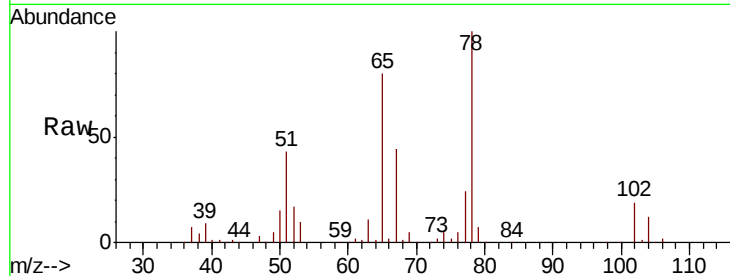




#33
 1,2-Dichloroethane-d4
 Concen: 53.912 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

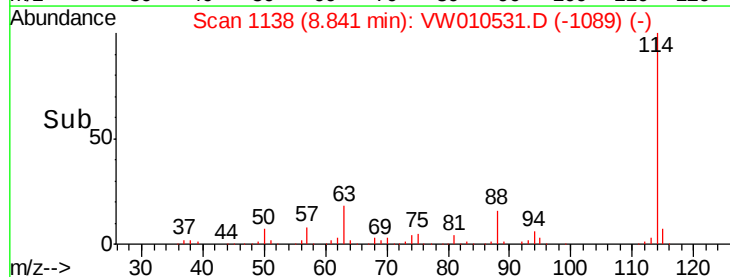
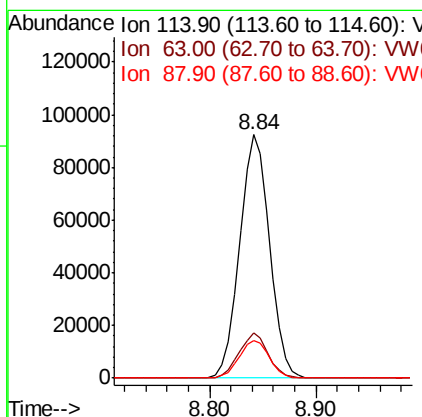
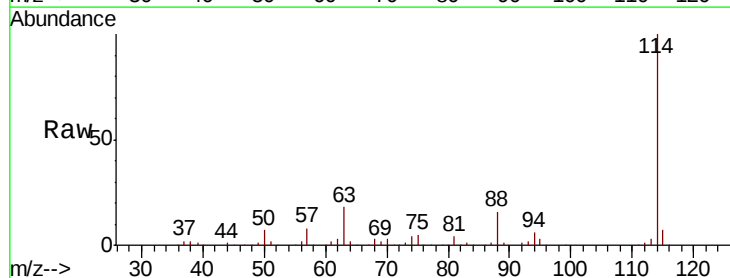
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

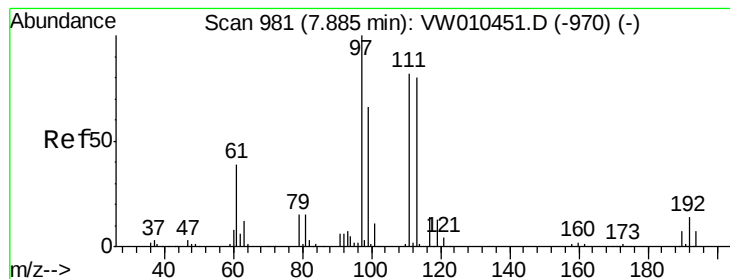
Tot Ion: 65 Resp: 57253
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 114 Resp: 182056
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.0
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.831 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

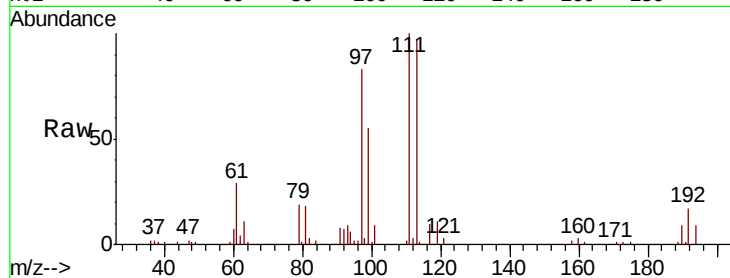
Tot Ion:113 Resp: 56152

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

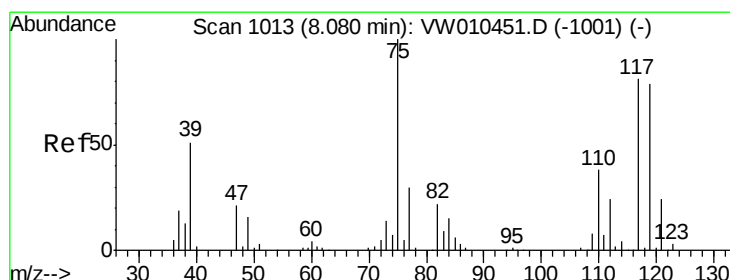
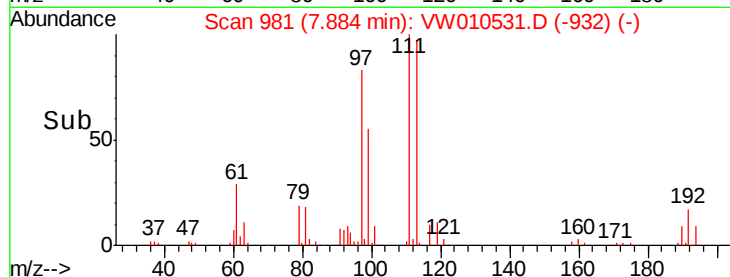
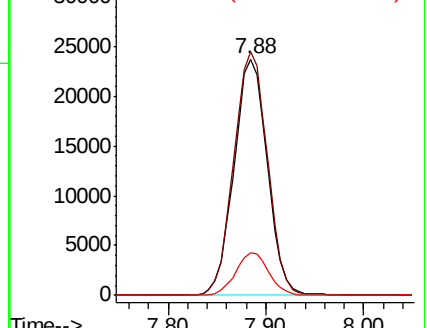
192 17.9 14.3 21.5



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: 34.118 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

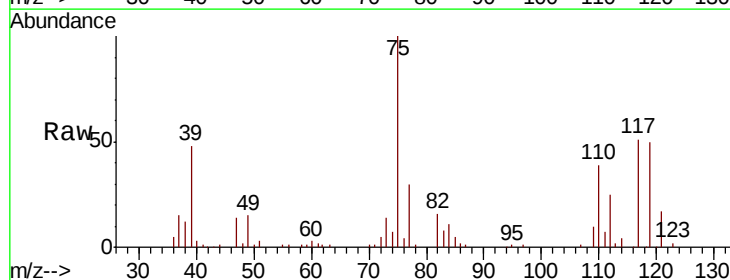
Tgt Ion: 75 Resp: 57862

Ion Ratio Lower Upper

75 100

110 38.1 19.2 57.6

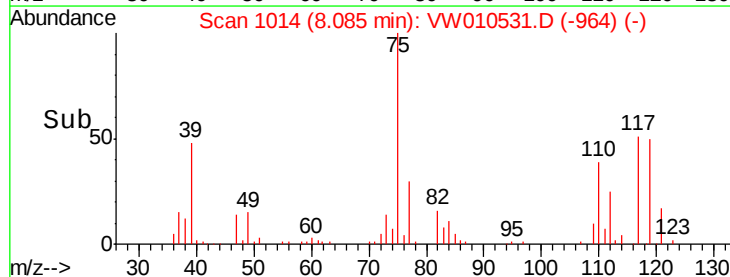
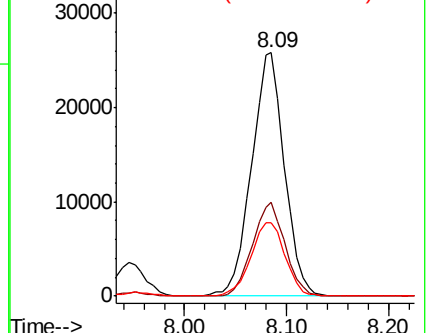
77 31.5 25.2 37.8

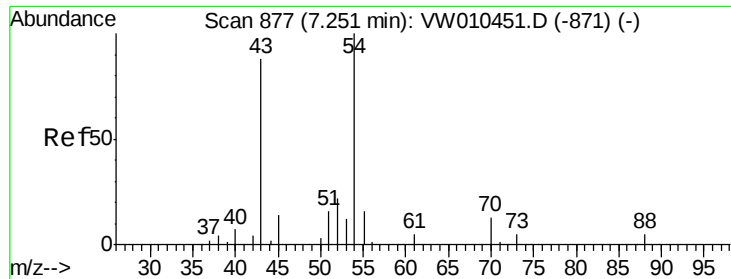


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

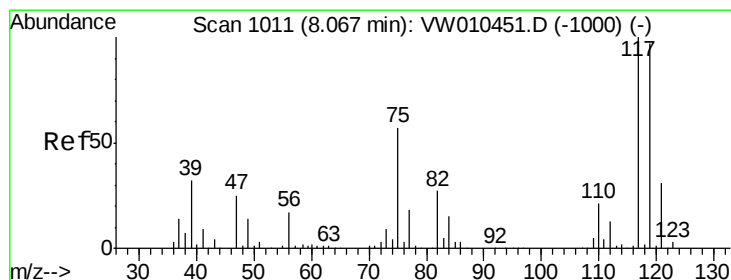
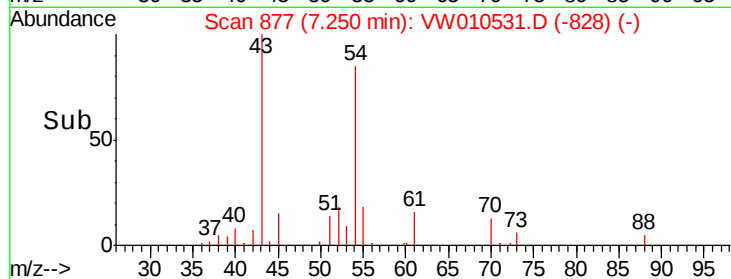
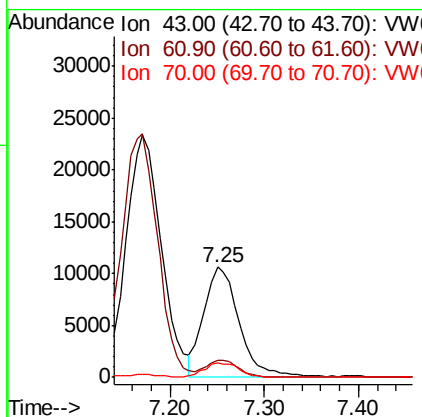
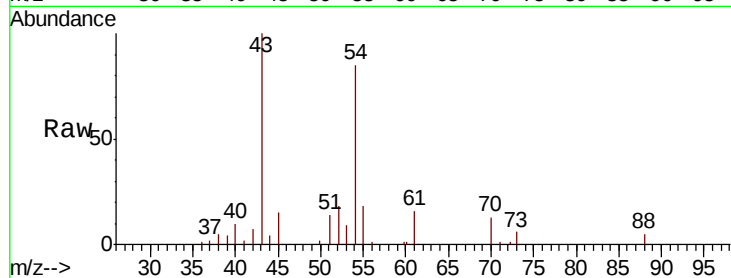




#37
Ethyl Acetate
Concen: 37.986 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

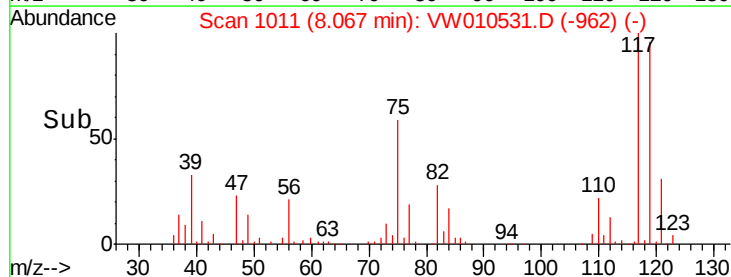
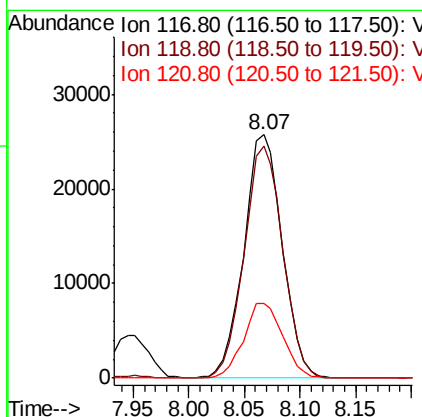
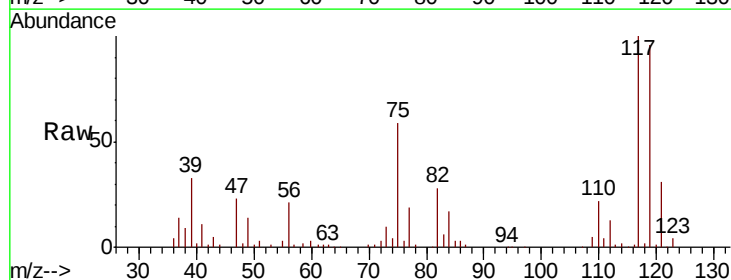
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

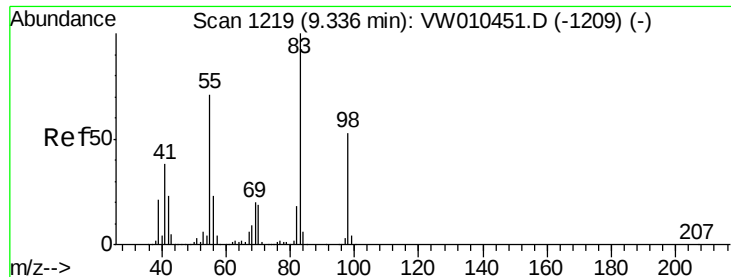
Tot Ion: 43 Resp: 27395
Ion Ratio Lower Upper
43 100
61 15.0 11.2 16.8
70 13.2 9.9 14.9



#38
Carbon Tetrachloride
Concen: 33.780 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 117 Resp: 61800
Ion Ratio Lower Upper
117 100
119 95.5 77.4 116.0
121 30.6 25.0 37.6

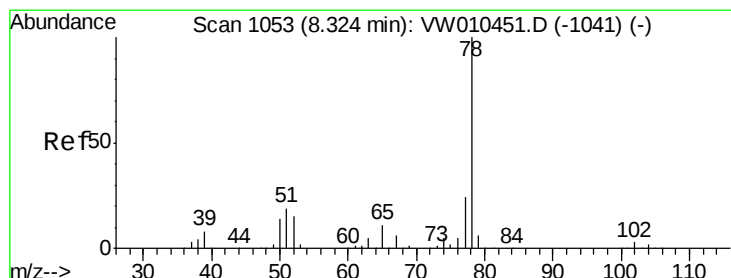
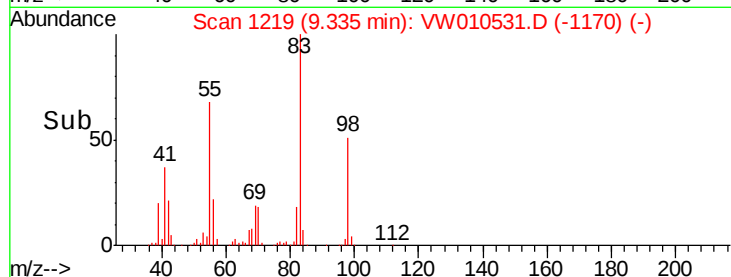
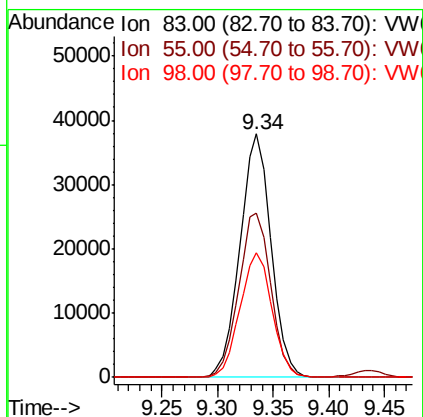
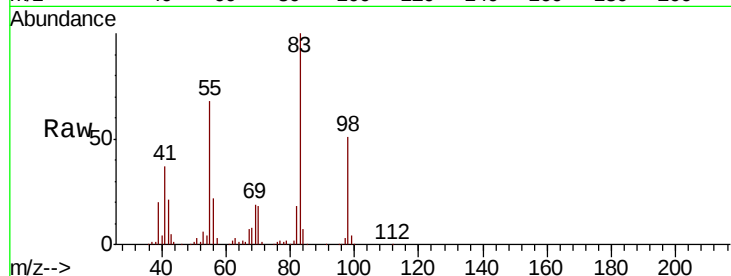




#39
Methvlcvclohexane
Concen: 32.368 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

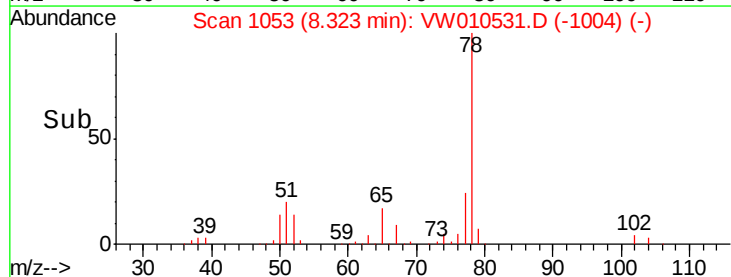
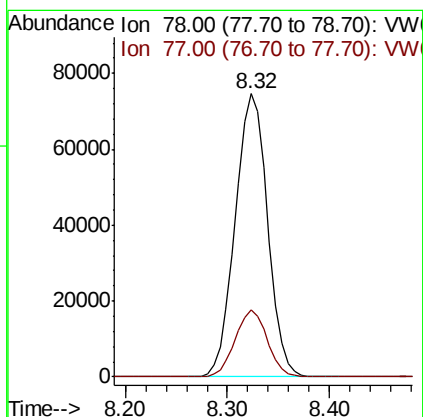
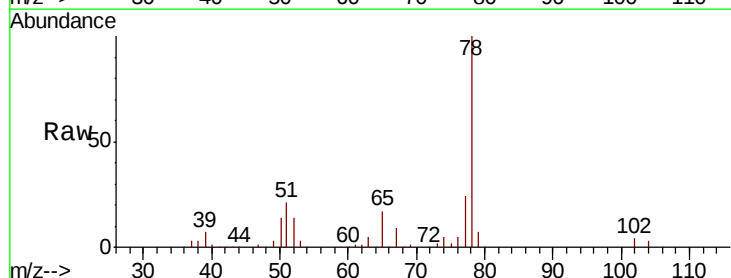
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

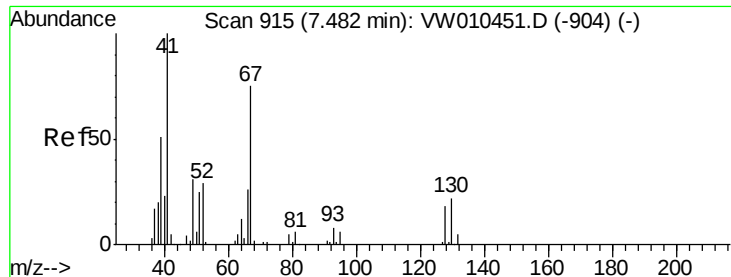
Tot Ion: 83 Resp: 73546
Ion Ratio Lower Upper
83 100
55 67.5 57.0 85.6
98 51.1 42.0 63.0



#40
Benzene
Concen: 34.824 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 78 Resp: 164154
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3

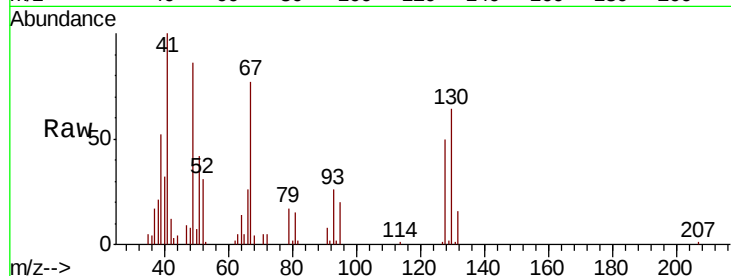




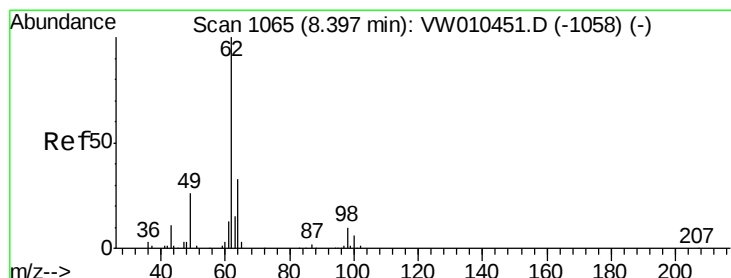
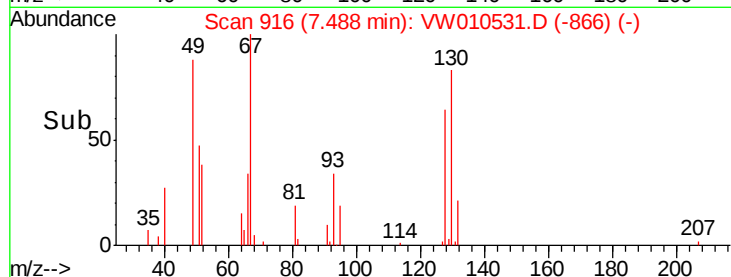
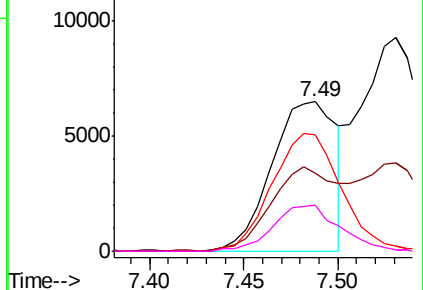
#41
Methacrylonitrile
Concen: 35.966 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion:	41	Resp:	15412
Ion	Ratio	Lower	Upper
41	100		
39	62.3	47.4	71.2
67	84.0	65.5	98.3
52	31.7	25.0	37.4

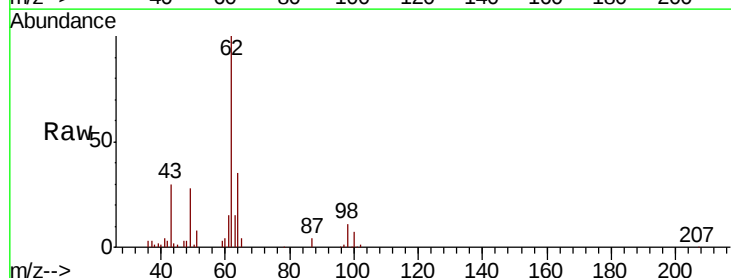


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

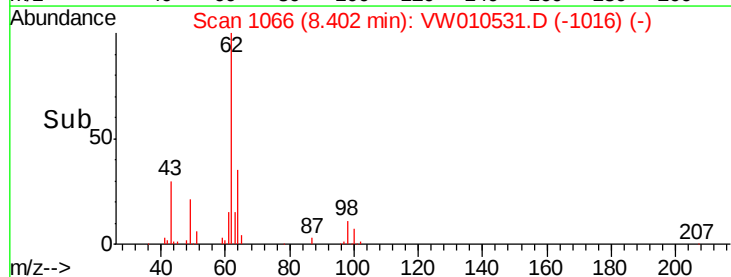
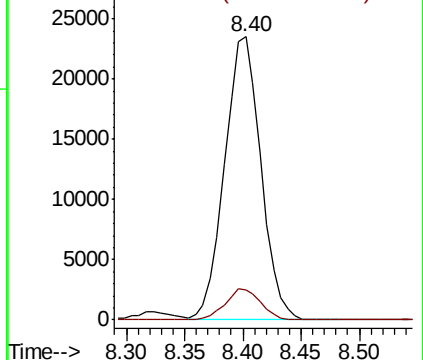


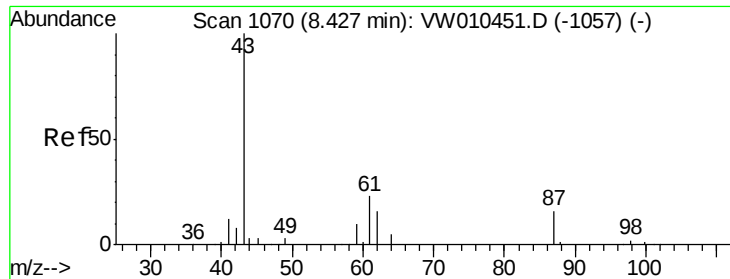
#42
1,2-Dichloroethane
Concen: 37.735 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:	62	Resp:	50838
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 38.230 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

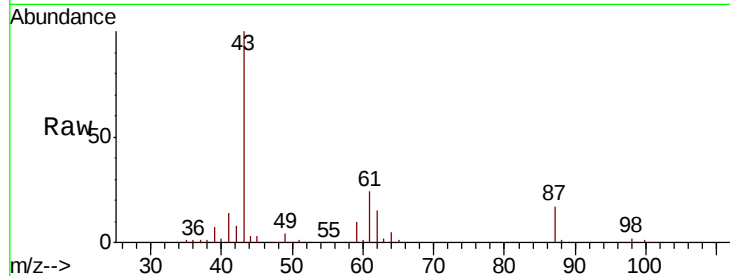
Tot Ion: 43 Resp: 55081

Ion Ratio Lower Upper

43 100

61 31.2 25.4 38.2

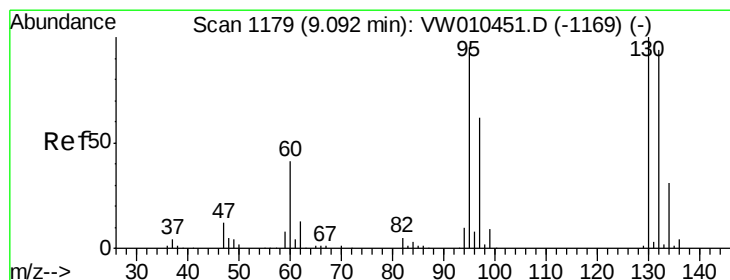
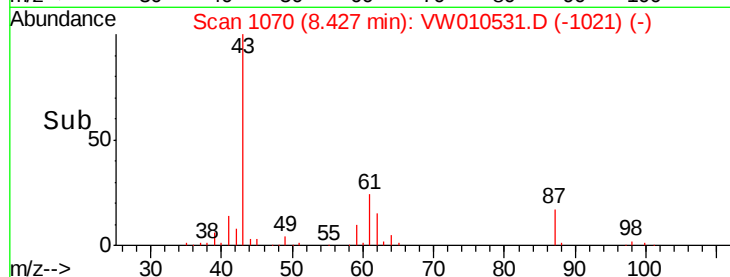
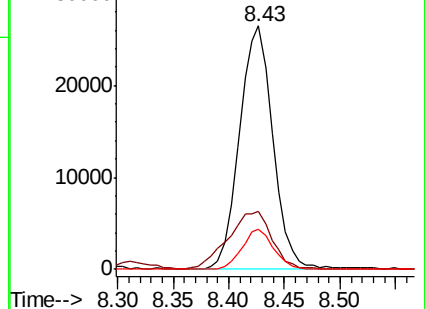
87 15.7 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 34.600 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010531.D

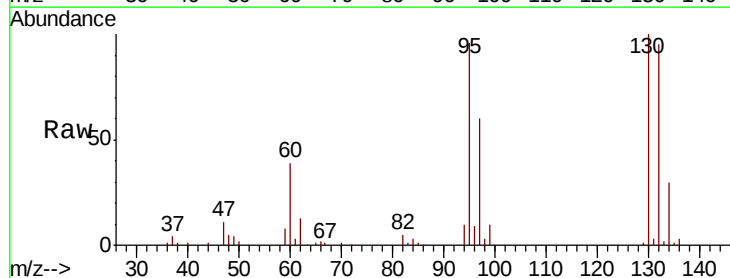
Acq: 23 May 2019 15:48

Tgt Ion:130 Resp: 48420

Ion Ratio Lower Upper

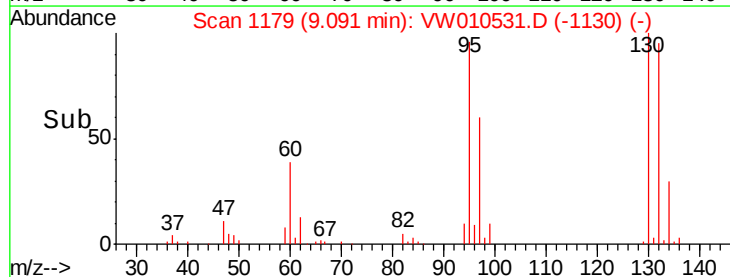
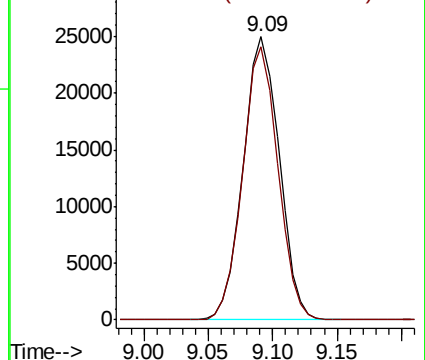
130 100

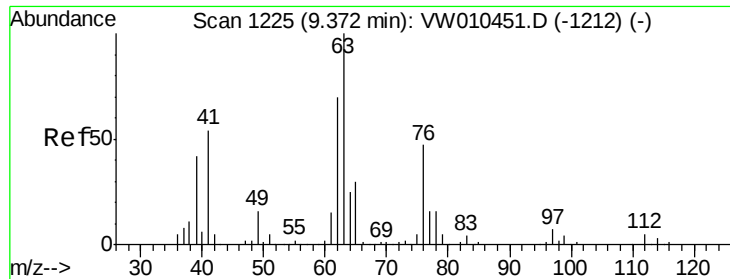
95 96.3 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

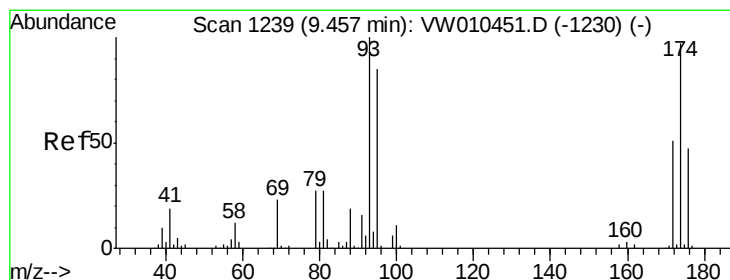
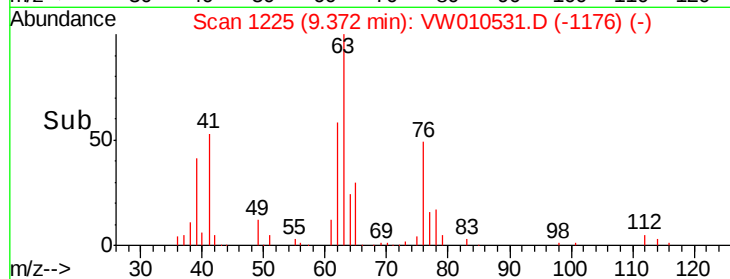
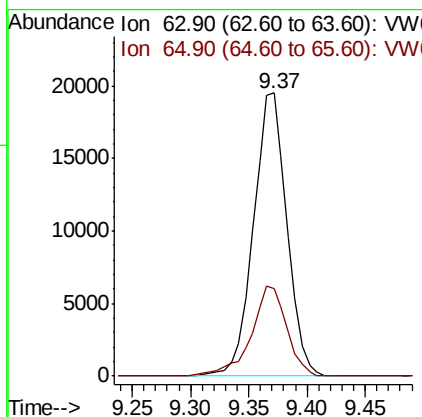
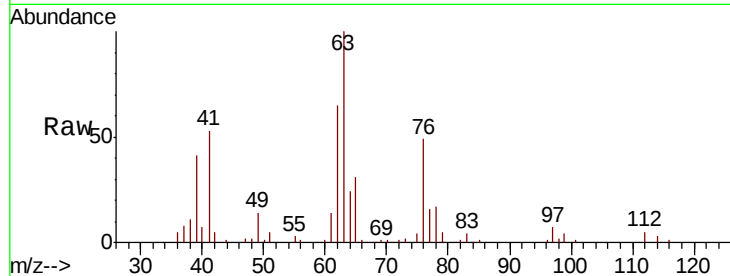




#45
 1,2-Dichloropropane
 Concen: 34.856 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

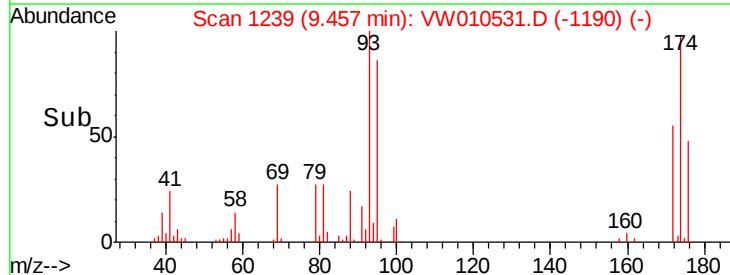
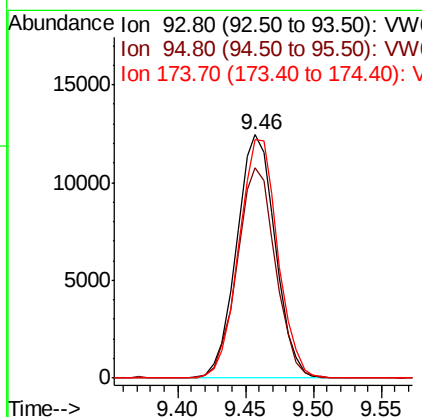
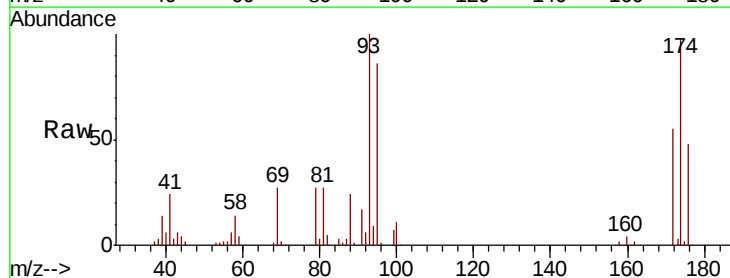
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion: 63 Resp: 39022
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5



#46
 Dibromomethane
 Concen: 37.641 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 93 Resp: 24644
 Ion Ratio Lower Upper
 93 100
 95 85.9 66.1 99.1
 174 99.1 77.1 115.7

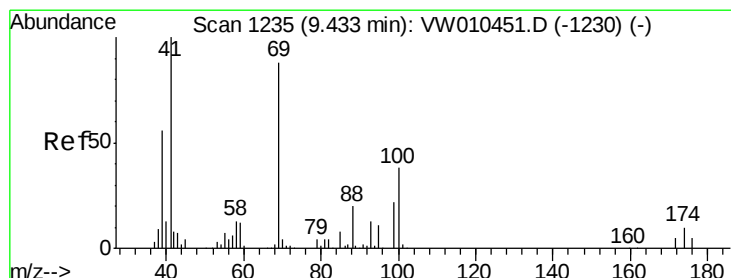
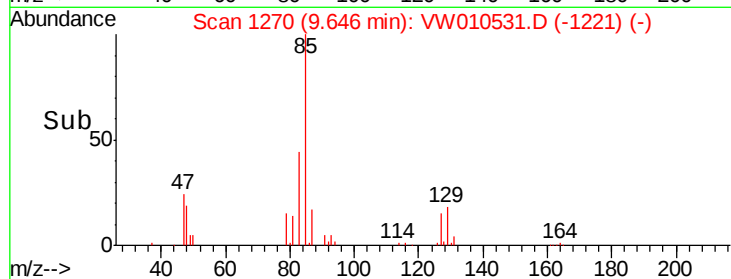
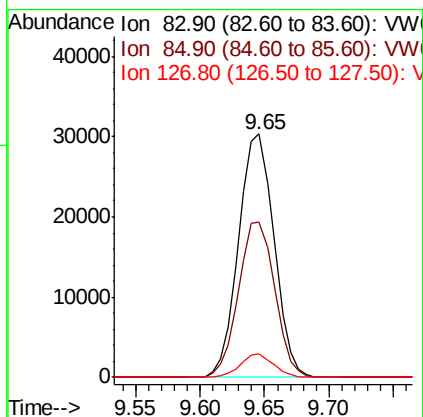
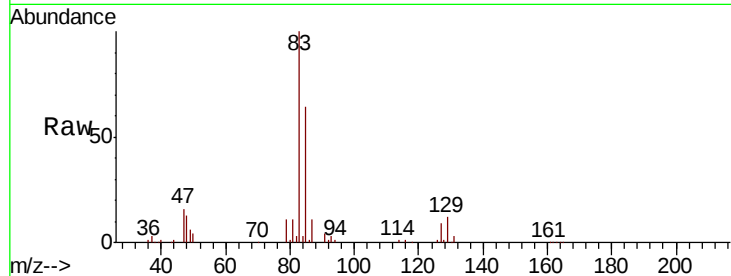




#47
Bromodichloromethane
Concen: 35.204 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

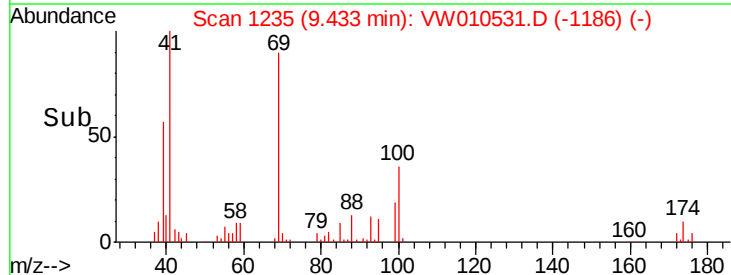
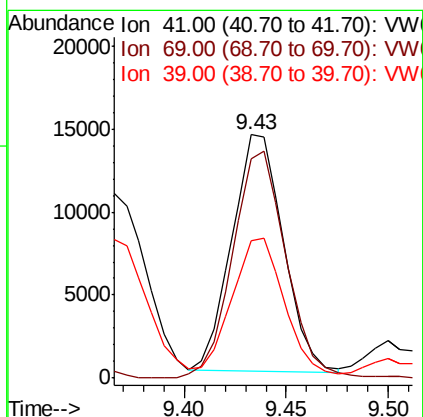
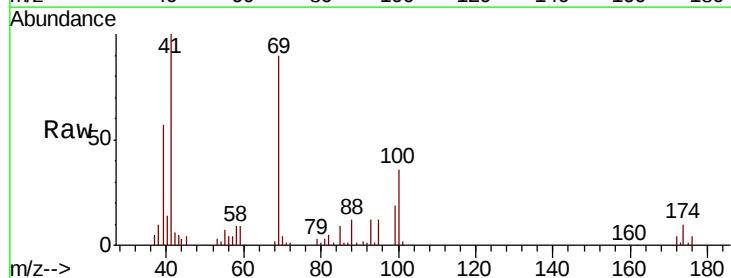
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

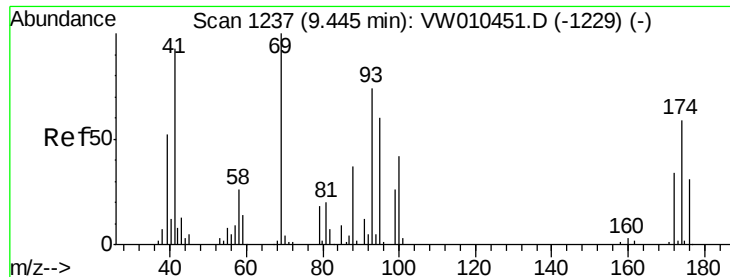
Tot Ion: 83 Resp: 57920
Ion Ratio Lower Upper
83 100
85 63.8 50.4 75.6
127 9.5 7.4 11.0



#48
Methyl methacrylate
Concen: 37.949 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 41 Resp: 25014
Ion Ratio Lower Upper
41 100
69 100.0 77.6 116.4
39 61.9 49.8 74.8





#49

1,4-Dioxane

Concen: 690.966 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

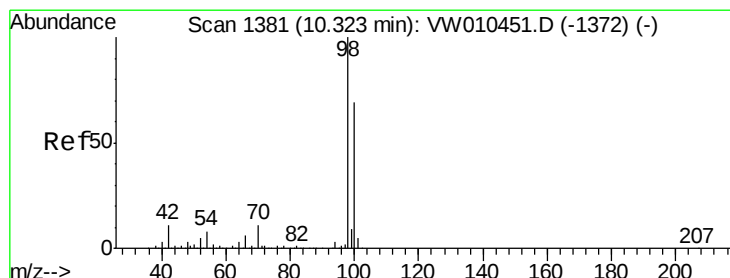
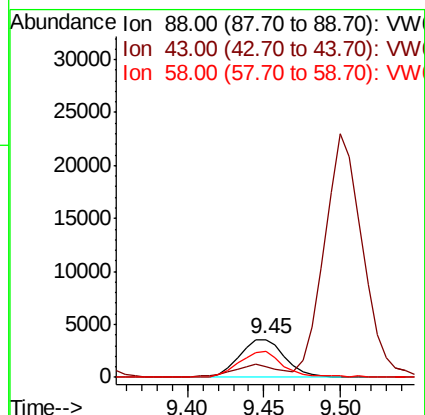
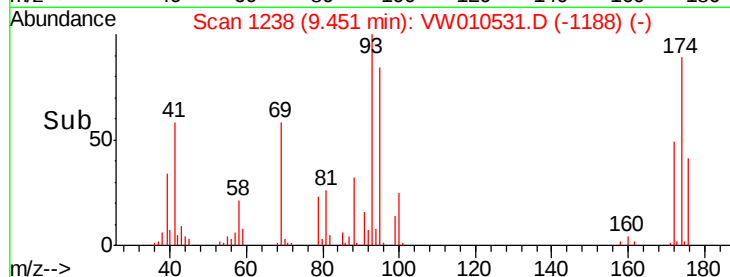
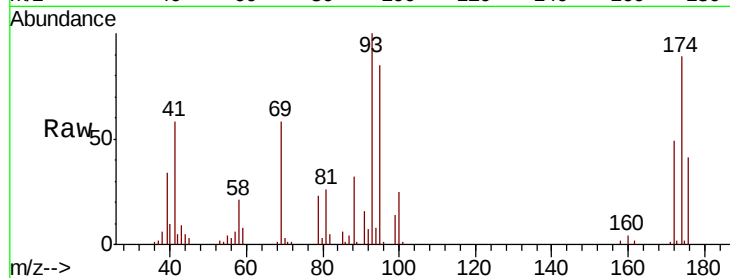
Tot Ion: 88 Resp: 7390

Ion Ratio Lower Upper

88 100

43 33.9 25.9 38.9

58 67.4 52.7 79.1



#50

Toluene-d8

Concen: 50.334 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010531.D

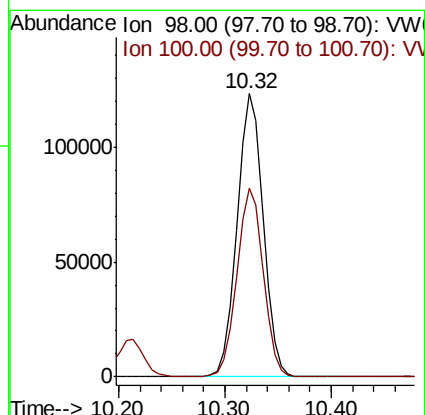
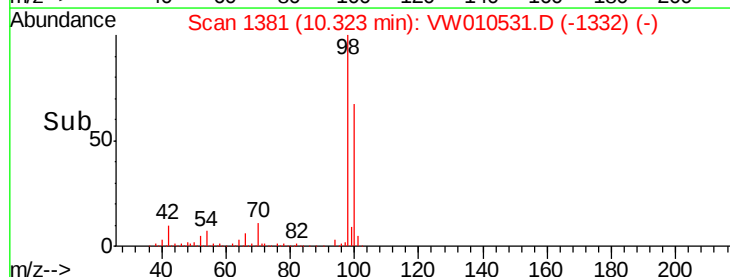
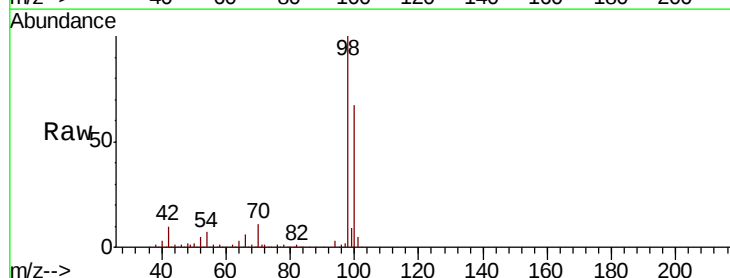
Acq: 23 May 2019 15:48

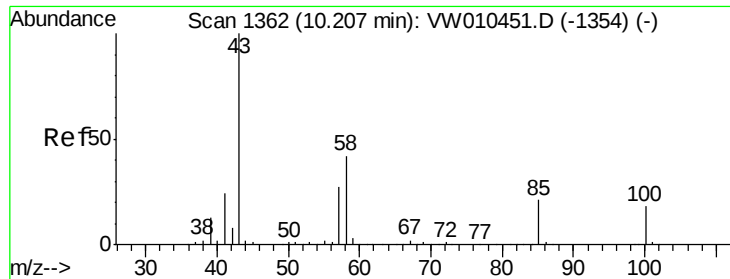
Tgt Ion: 98 Resp: 212415

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 194.143 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

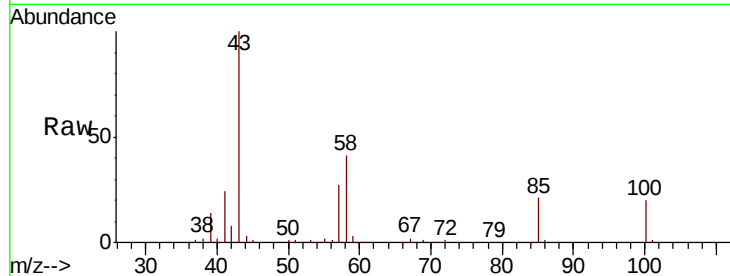
FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 141740

Ion Ratio Lower Upper

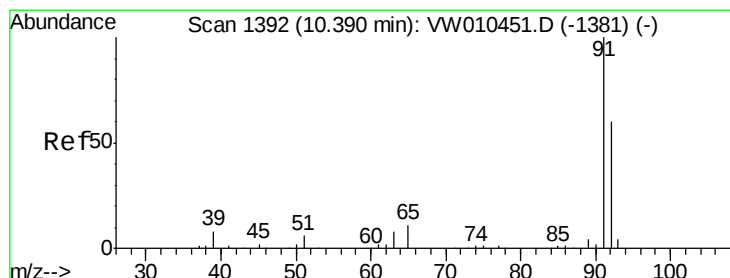
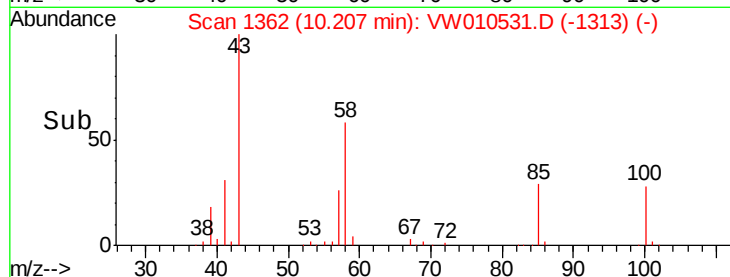
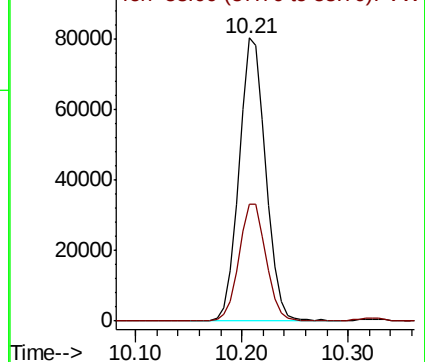
43 100

58 42.2 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 37.264 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010531.D

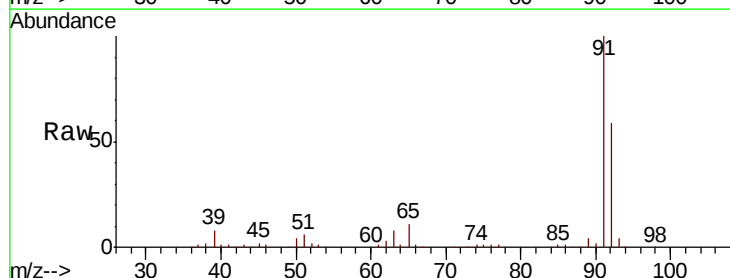
Acq: 23 May 2019 15:48

Tgt Ion: 92 Resp: 117964

Ion Ratio Lower Upper

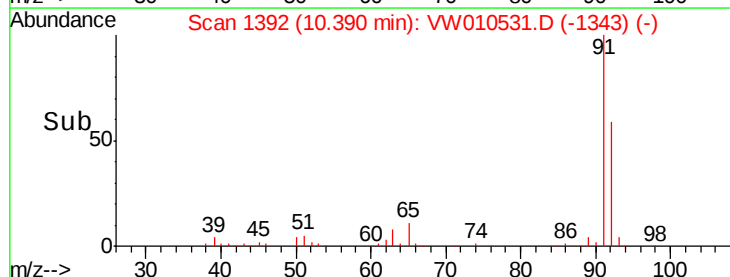
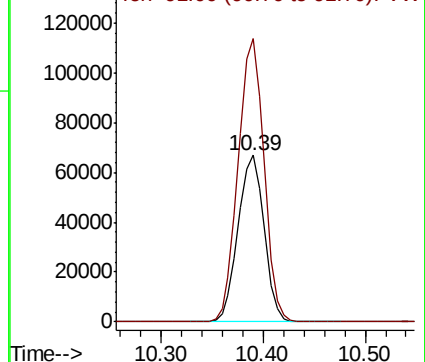
92 100

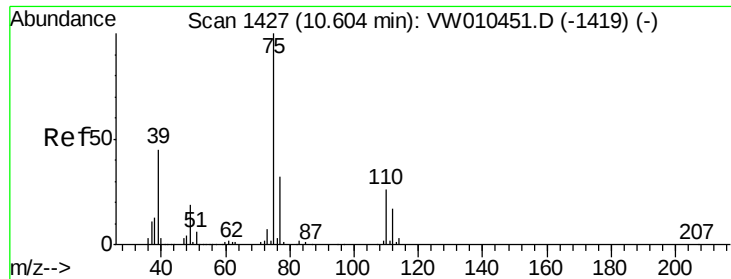
91 168.7 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 35.724 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

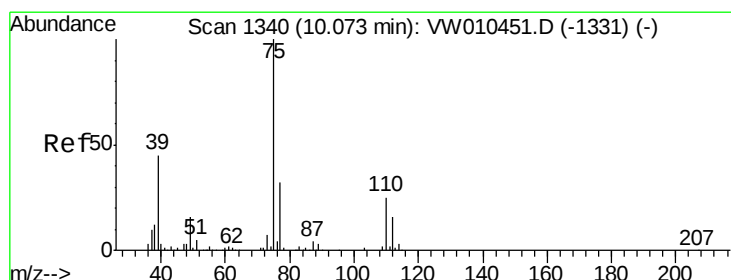
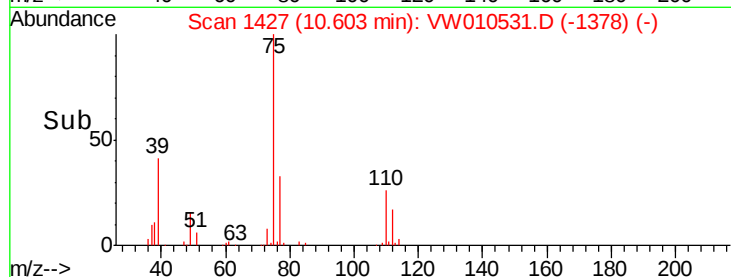
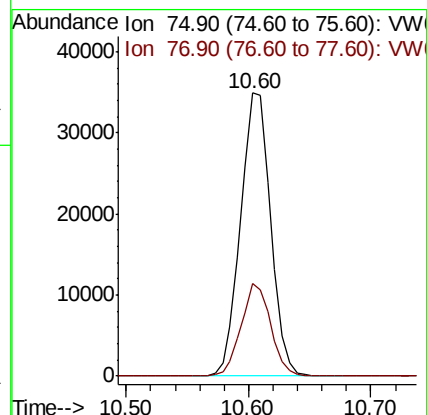
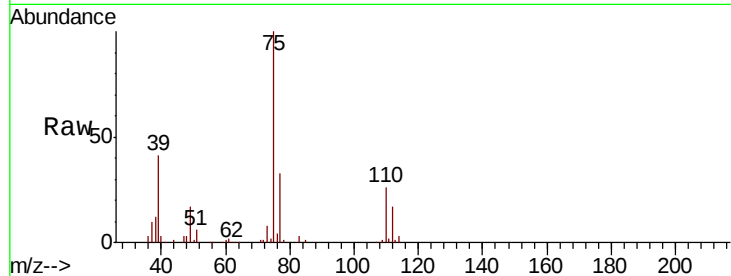
FESB-23(3-3.5)MS

Tot Ion: 75 Resp: 59527

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 35.119 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

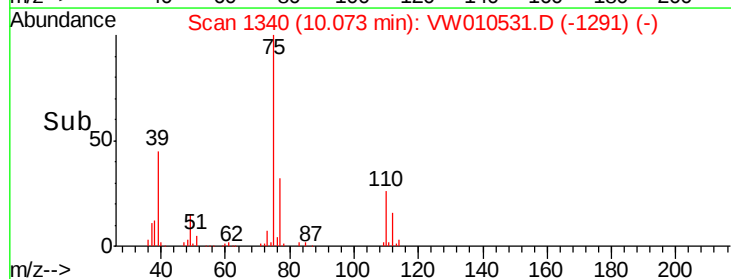
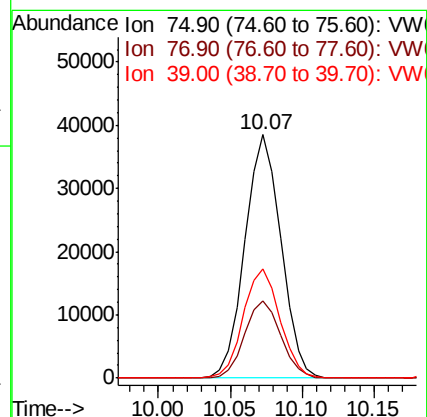
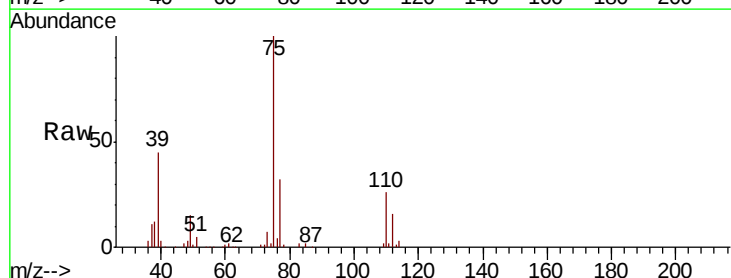
Tgt Ion: 75 Resp: 66832

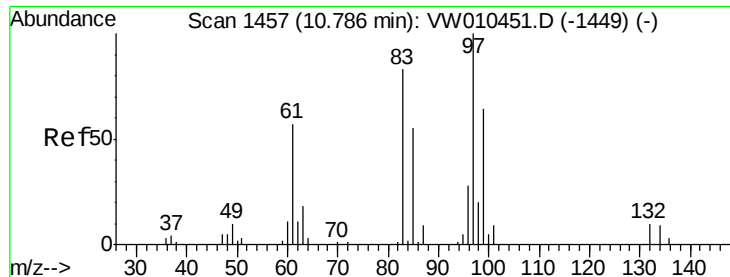
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 45.1 36.2 54.4

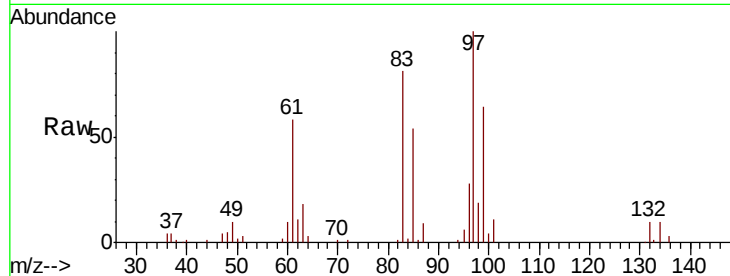




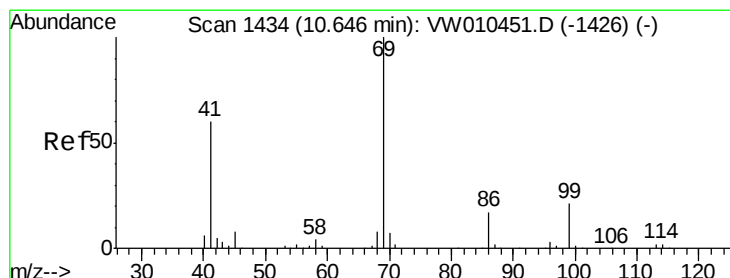
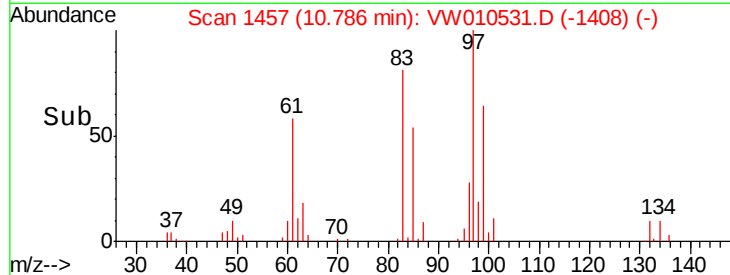
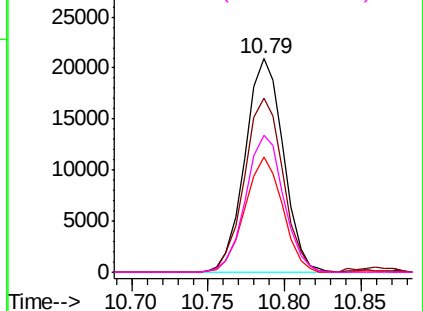
#55
 1,1,2-Trichloroethane
 Concen: 38.706 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion: 97 Resp: 36441
 Ion Ratio Lower Upper
 97 100
 83 81.4 66.1 99.1
 85 54.2 44.2 66.4
 99 64.2 51.1 76.7

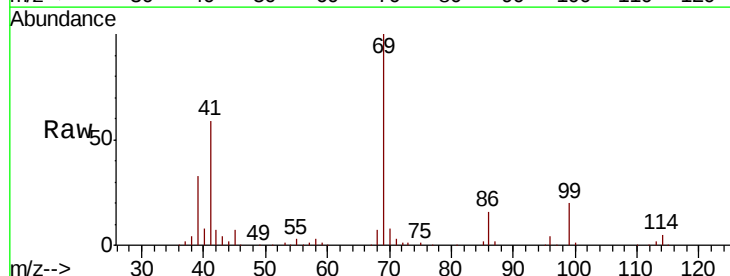


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

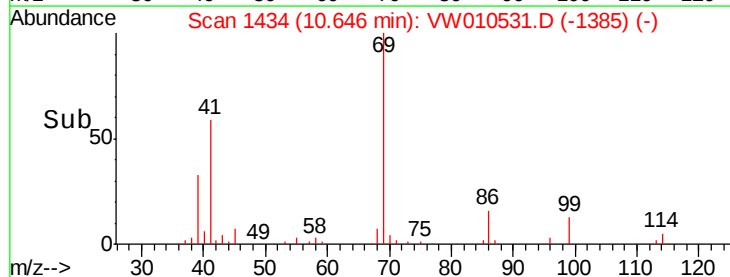
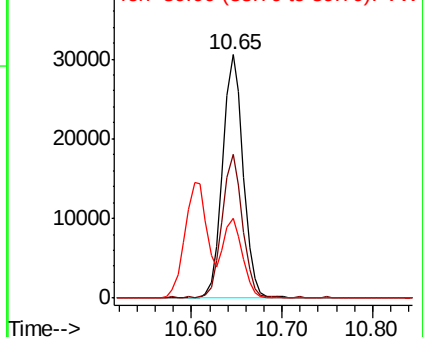


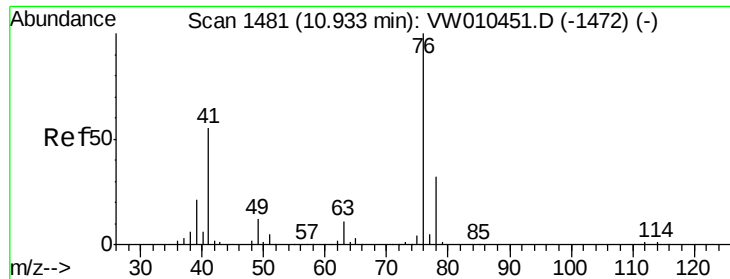
#56
 Ethyl methacrylate
 Concen: 37.209 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 69 Resp: 48315
 Ion Ratio Lower Upper
 69 100
 41 57.6 47.7 71.5
 39 30.4 25.3 37.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

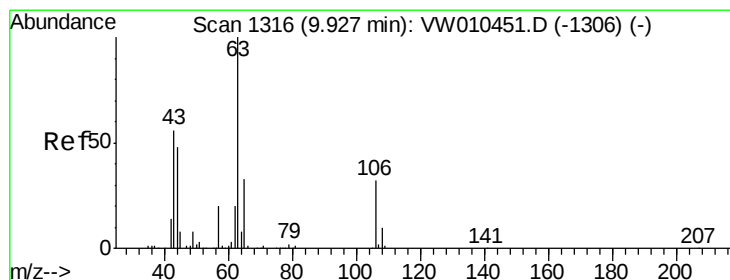
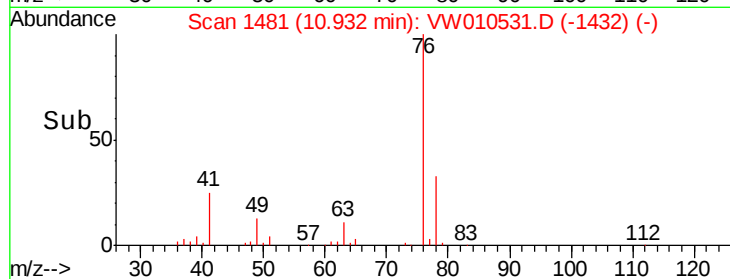
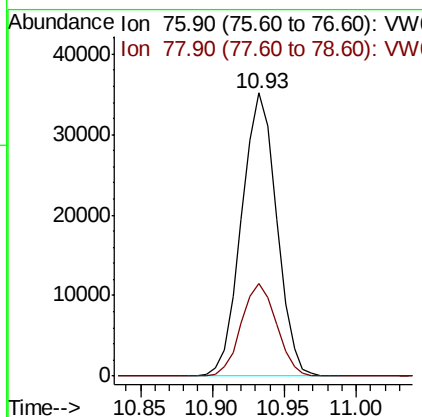
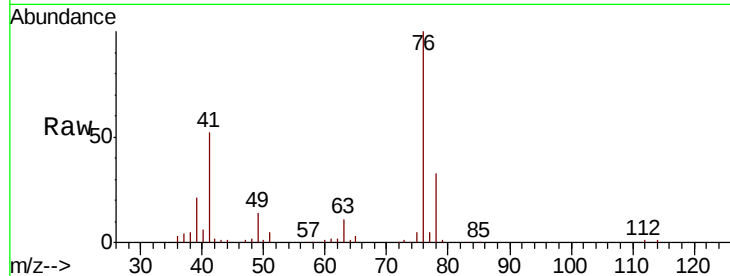




#57
 1,3-Dichloropropane
 Concen: 37.633 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

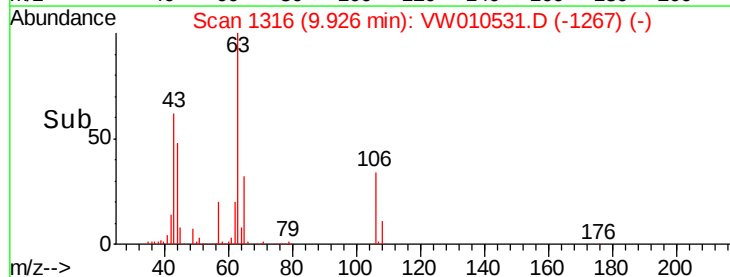
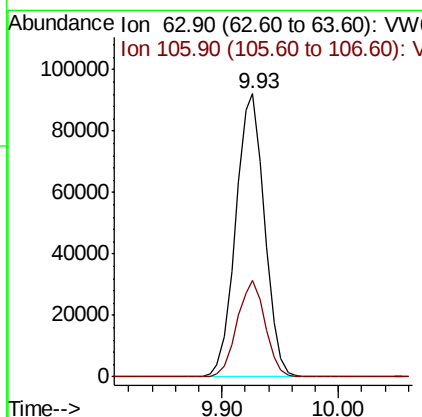
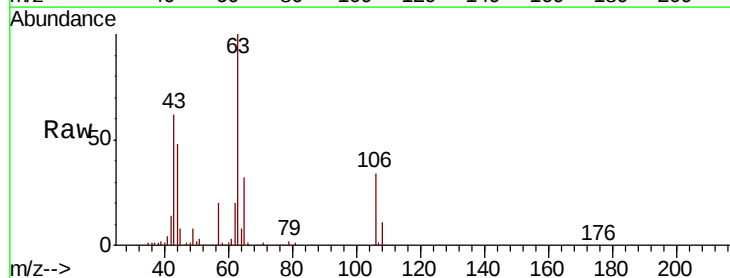
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

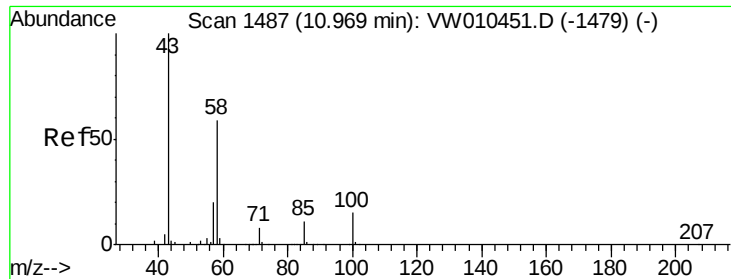
Tot Ion: 76 Resp: 59350
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.232 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 63 Resp: 158869
 Ion Ratio Lower Upper
 63 100
 106 33.3 25.8 38.6

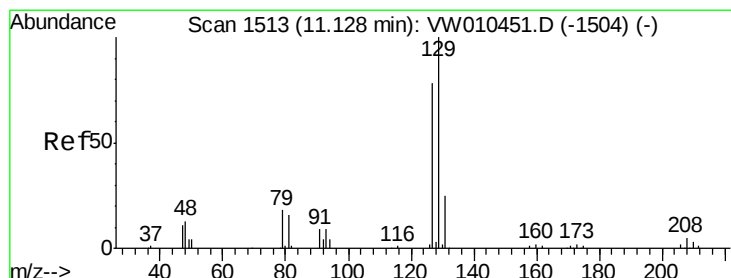
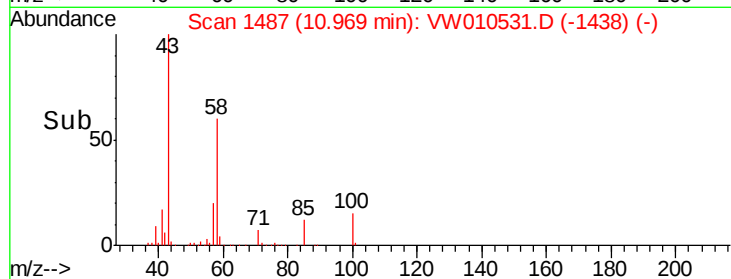
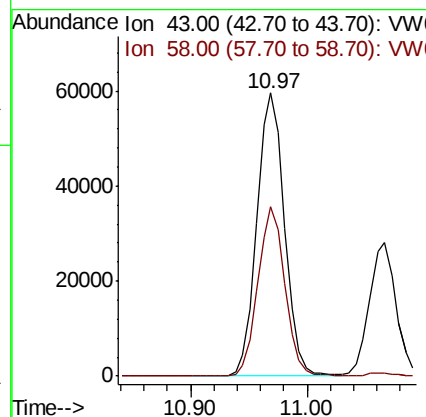
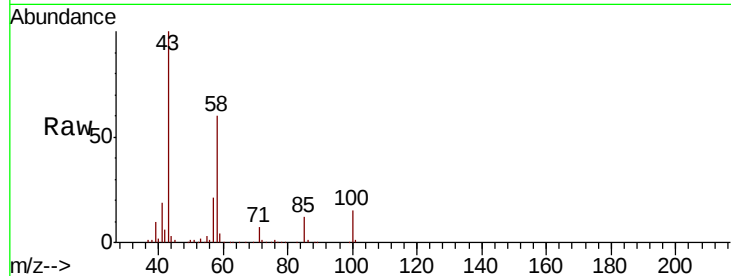




#59
2-Hexanone
Concen: 189.794 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

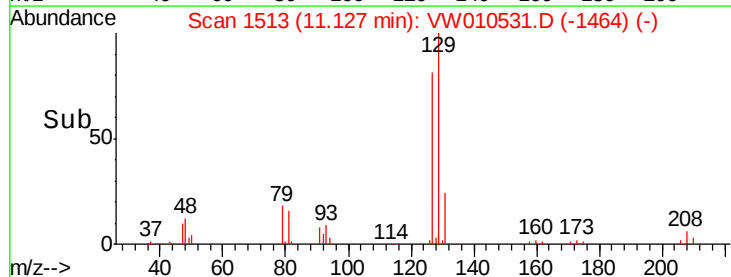
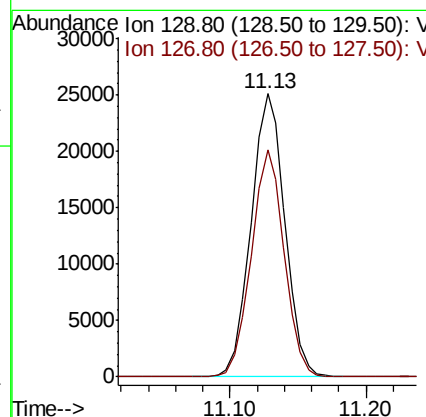
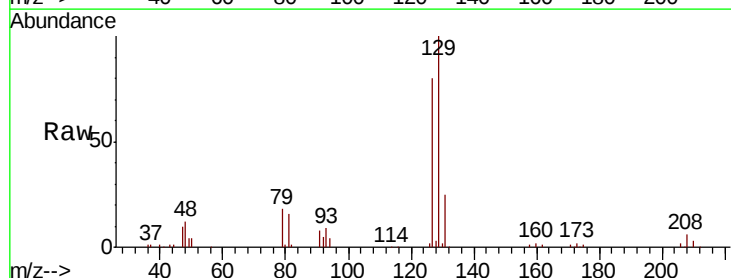
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion: 43 Resp: 98845
Ion Ratio Lower Upper
43 100
58 58.6 28.9 86.8



#60
Dibromochloromethane
Concen: 36.652 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 129 Resp: 43673
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7

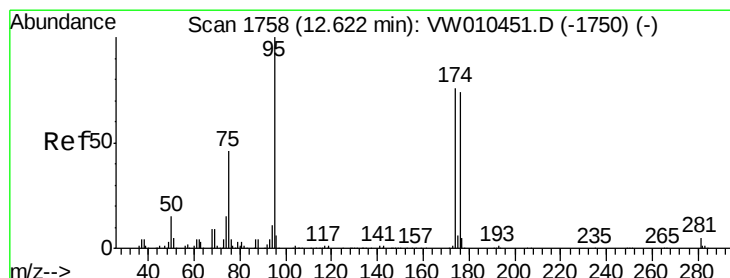
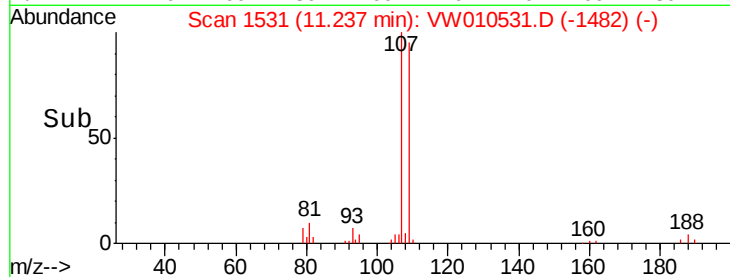
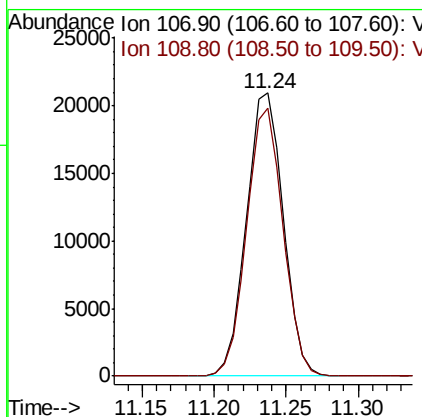
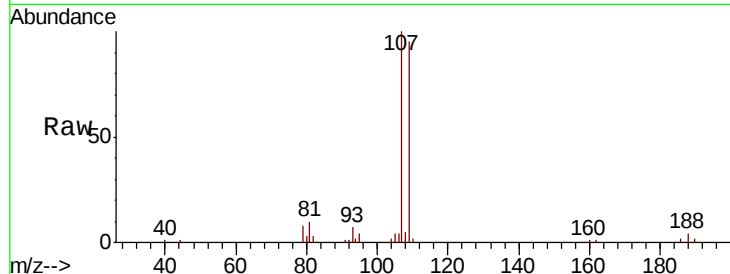




#61
 1,2-Dibromoethane
 Concen: 38.775 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

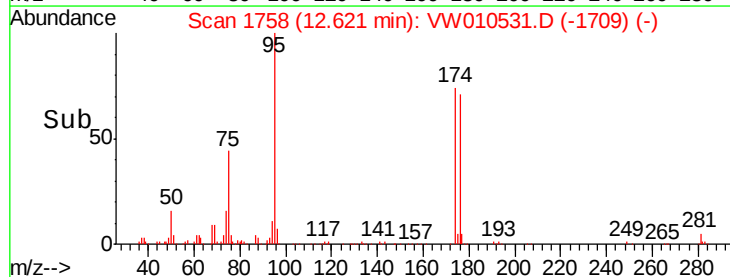
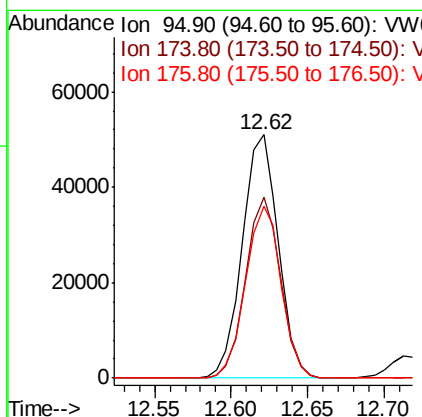
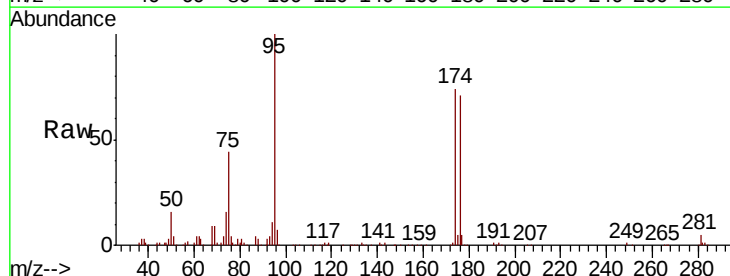
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

Tot Ion:107 Resp: 36980
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 49.485 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion: 95 Resp: 83182
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 148.6
 176 70.1 0.0 144.2

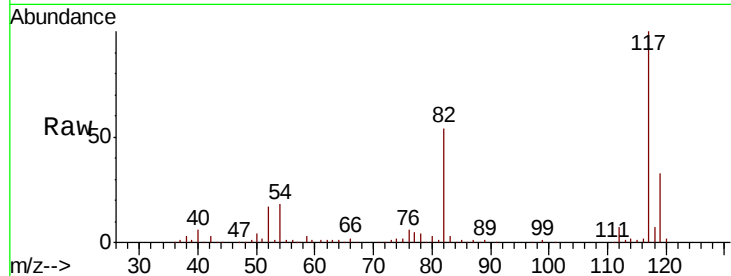




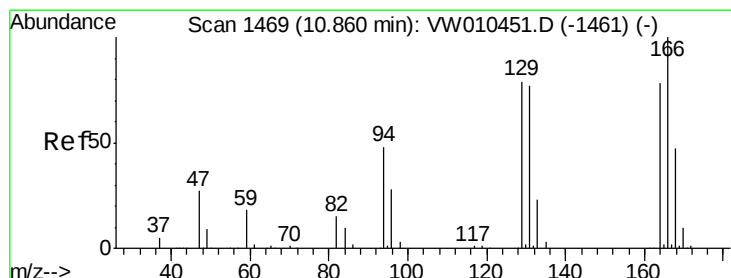
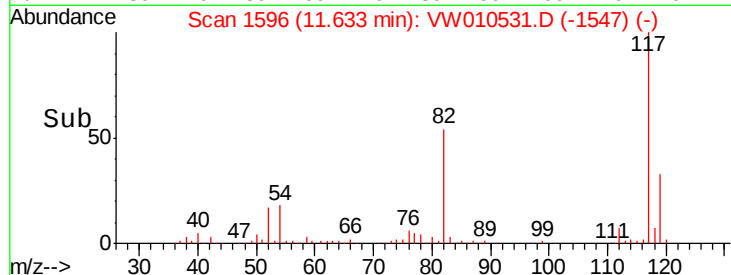
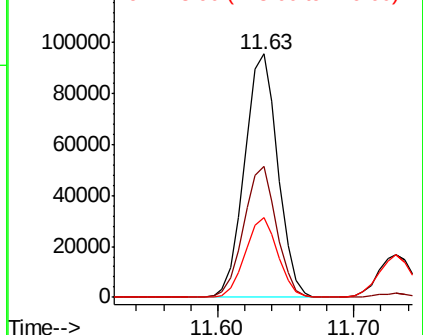
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

Tot Ion:117 Resp: 163496
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 33.0 26.3 39.5

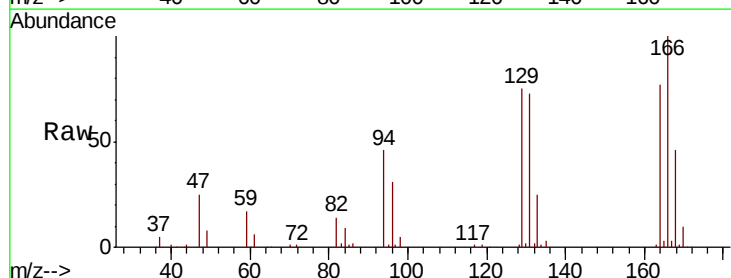


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

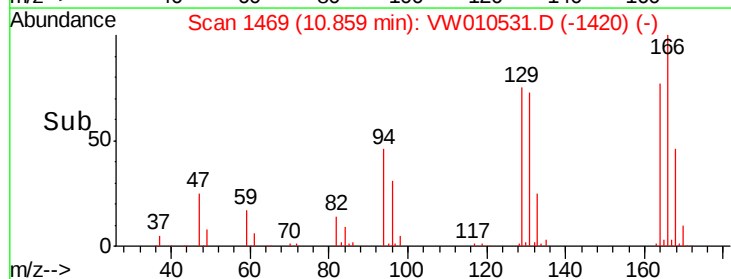
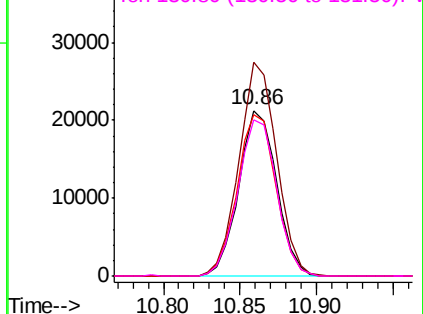


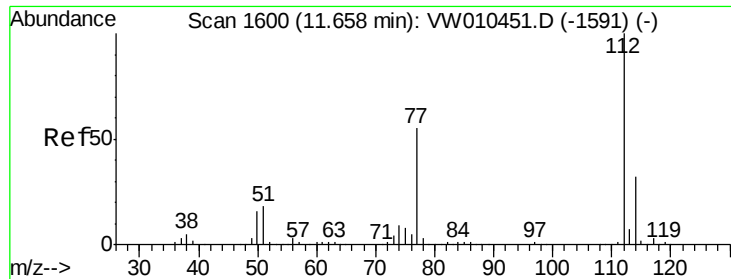
#64
Tetrachloroethene
Concen: 32.104 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:164 Resp: 36590
Ion Ratio Lower Upper
164 100
166 129.1 101.9 152.9
129 97.2 80.6 121.0
131 94.1 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

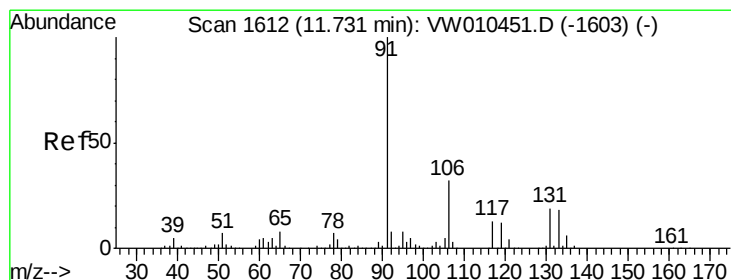
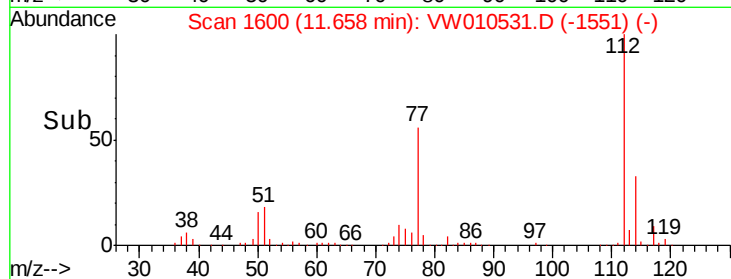
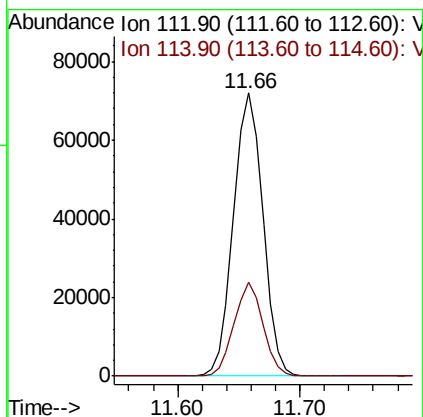
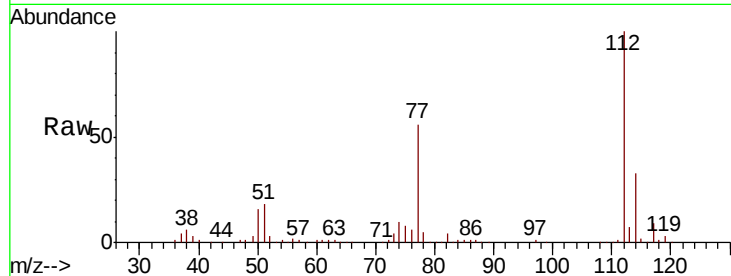




#65
Chlorobenzene
Concen: 34.476 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

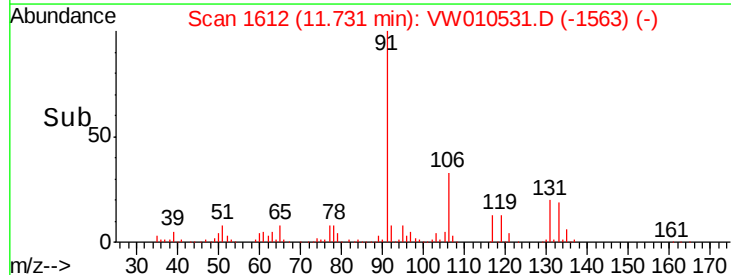
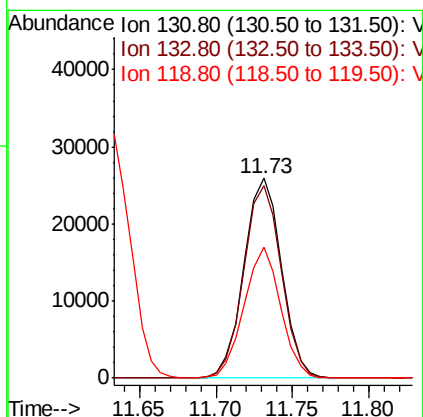
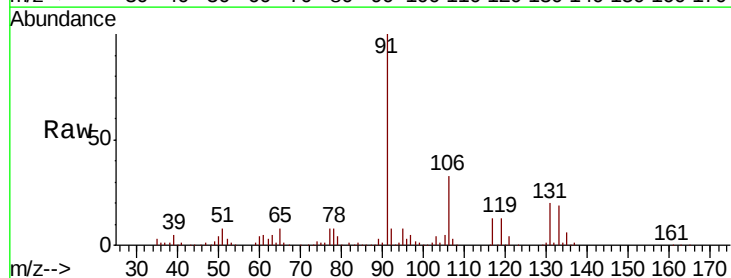
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

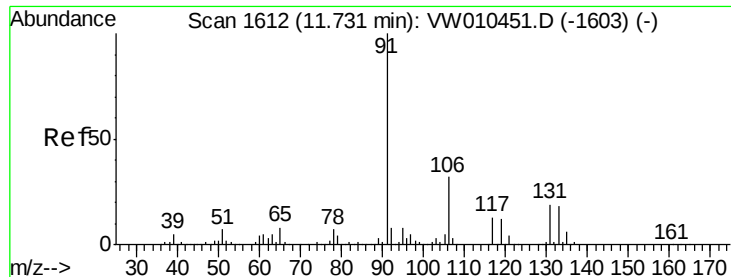
Tot Ion:112 Resp: 120130
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 35.570 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:131 Resp: 44399
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 63.8 32.1 96.5

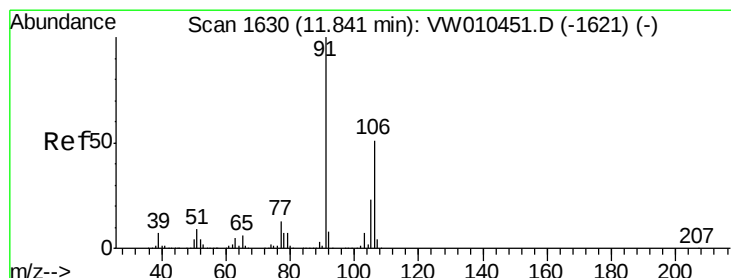
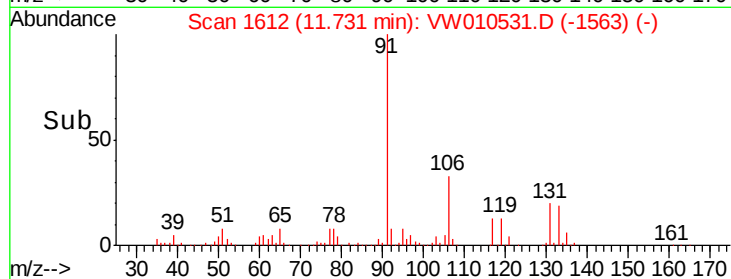
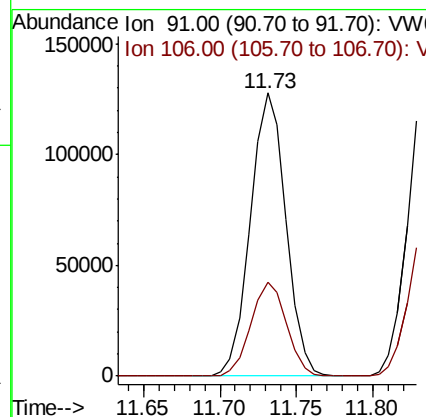
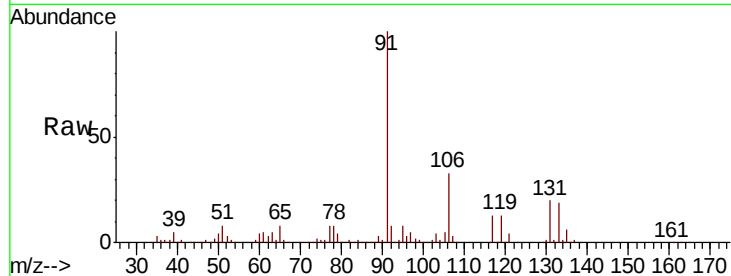




#67
Ethyl Benzene
Concen: 33.544 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

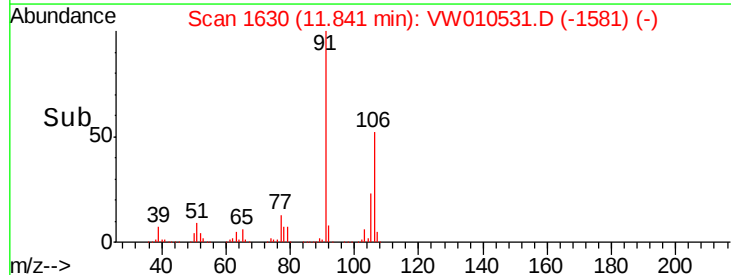
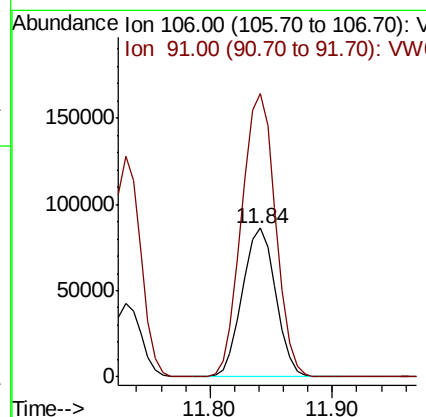
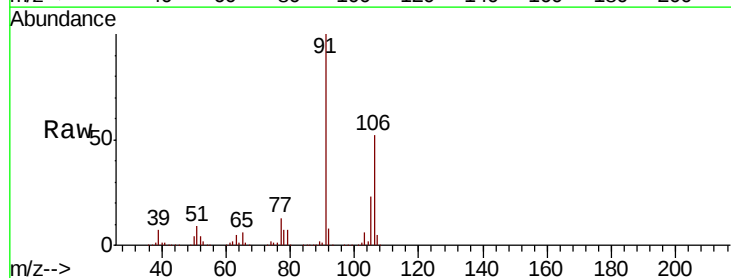
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

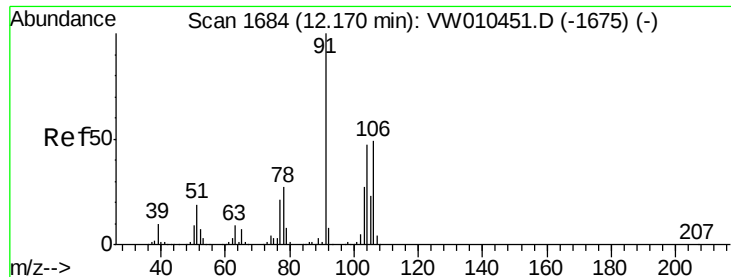
Tot Ion: 91 Resp: 206363
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9



#68
m/p-Xylenes
Concen: 67.810 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 106 Resp: 163627
Ion Ratio Lower Upper
106 100
91 193.3 156.0 234.0

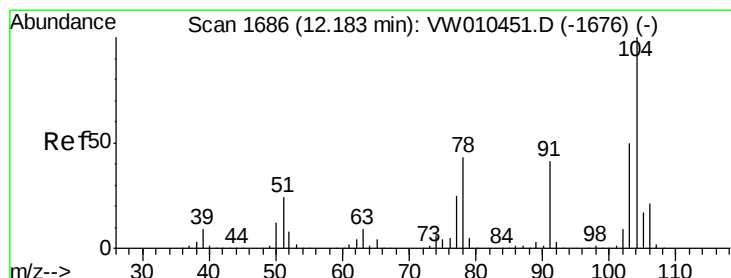
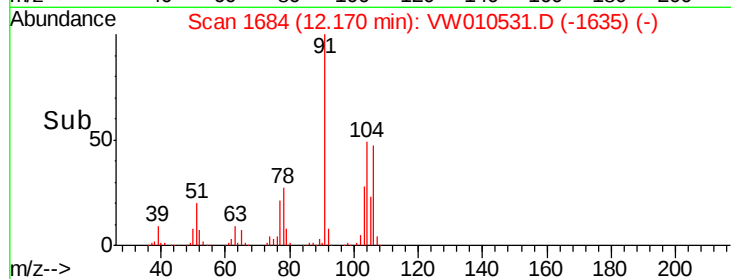
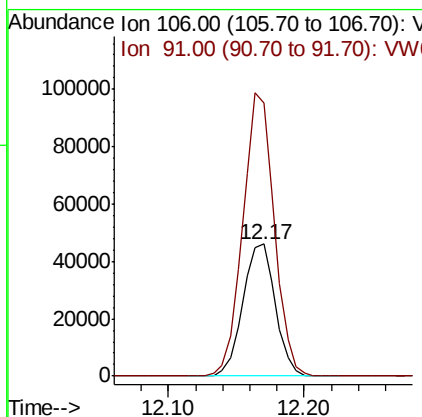
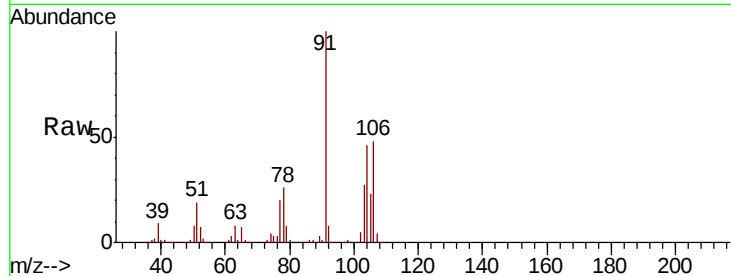




#69
o-Xylene
Concen: 33.619 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

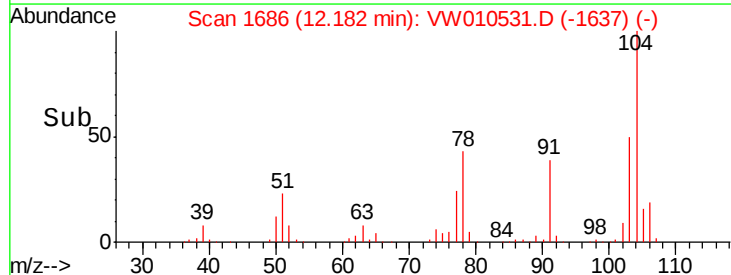
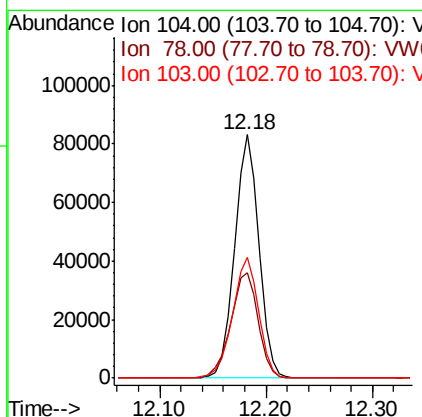
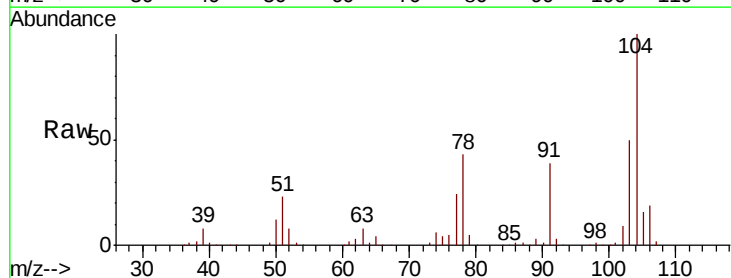
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

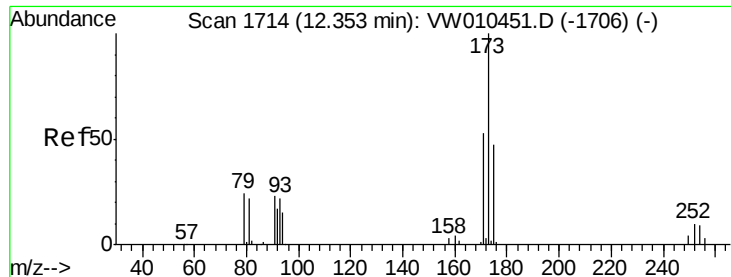
Tot Ion:106 Resp: 76859
Ion Ratio Lower Upper
106 100
91 207.5 103.2 309.4



#70
Styrene
Concen: 34.267 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:104 Resp: 132922
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 53.2 43.0 64.6





#71

Bromoform

Concen: 36.234 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

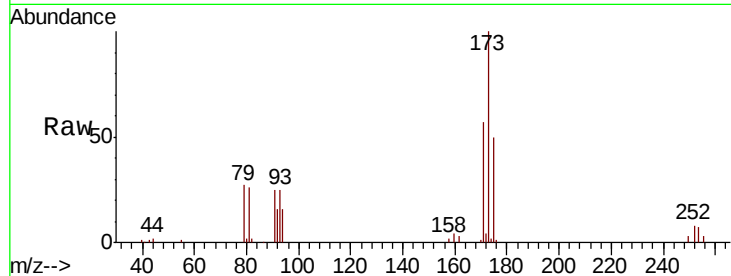
Tot Ion:173 Resp: 24906

Ion Ratio Lower Upper

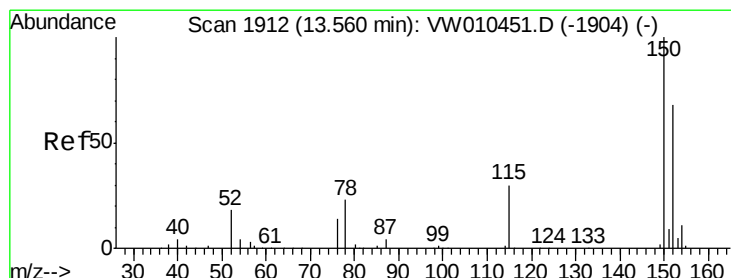
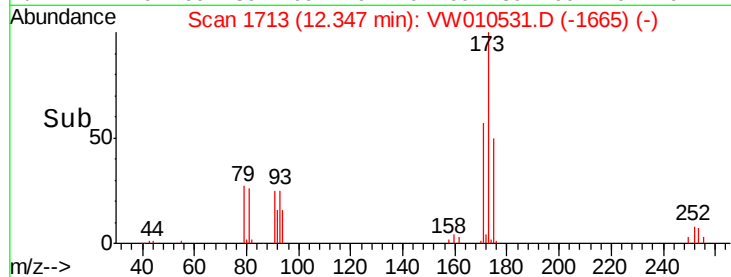
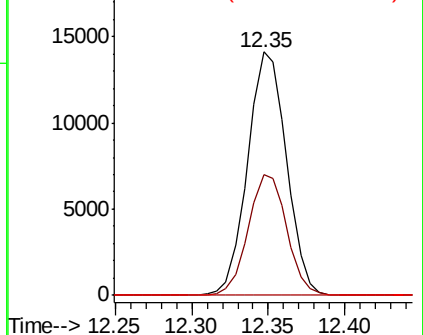
173 100

175 49.1 24.4 73.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

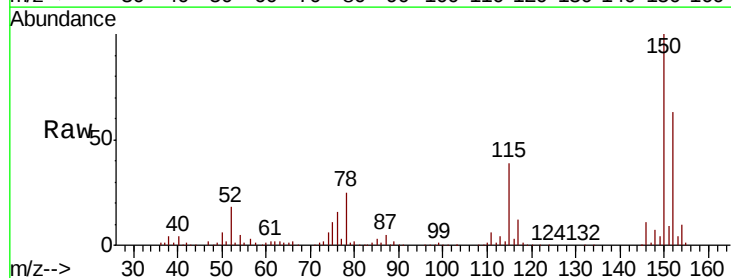
Tgt Ion:152 Resp: 77765

Ion Ratio Lower Upper

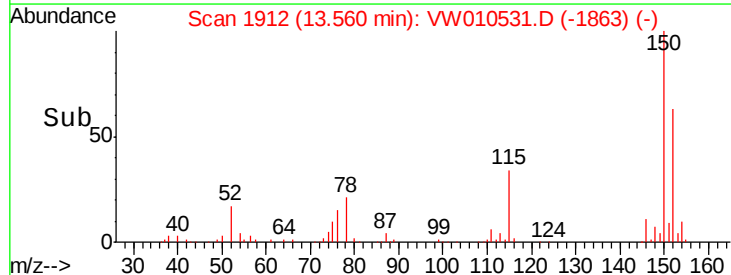
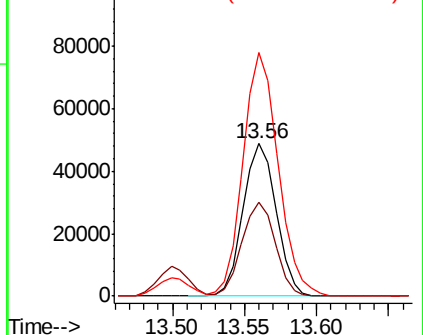
152 100

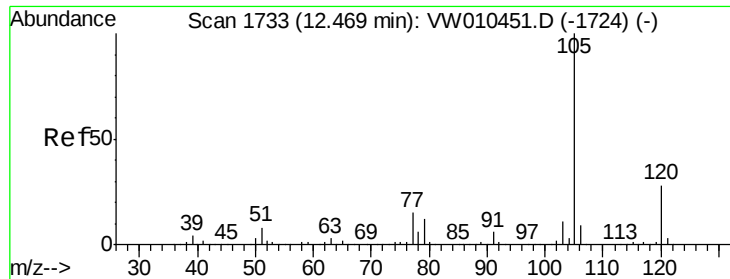
115 62.3 30.3 91.0

150 169.5 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





#73

Isopropylbenzene

Concen: 33.551 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

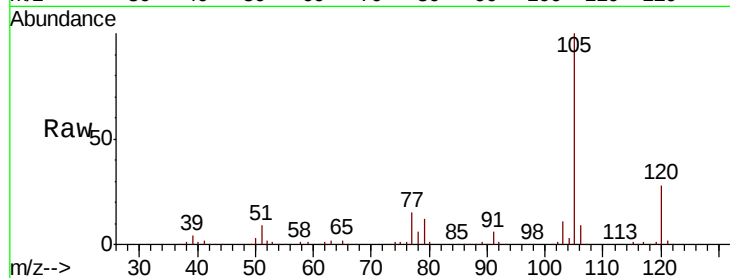
FESB-23(3-3.5)MS

Tot Ion:105 Resp: 207043

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

0

12.46

12.45

12.44

12.43

12.42

12.41

12.40

12.39

12.38

12.37

12.36

12.35

12.34

12.33

12.32

12.31

12.30

12.29

12.28

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

12.10

12.09

12.08

12.07

12.06

12.05

12.04

12.03

12.02

12.01

12.00

11.99

11.98

11.97

11.96

11.95

11.94

11.93

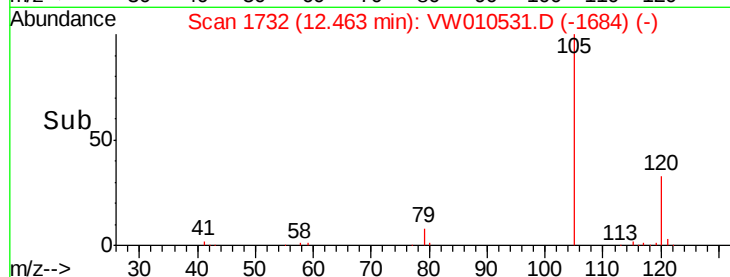
11.92

11.91

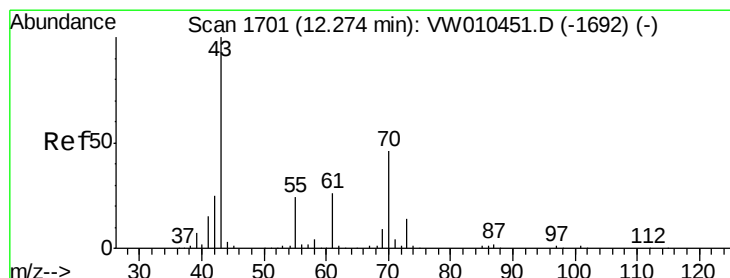
11.90

11.89

11.88



Time-->



#74

N-ethyl acetate

Concen: 32.883 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Tgt Ion: 43 Resp: 46500

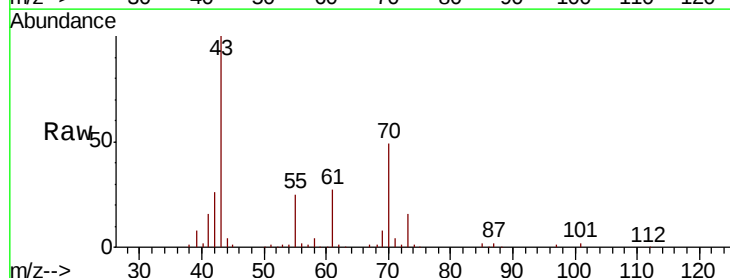
Ion Ratio Lower Upper

43 100

70 49.4 37.1 55.7

55 24.6 19.6 29.4

61 26.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

0

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

12.10

12.09

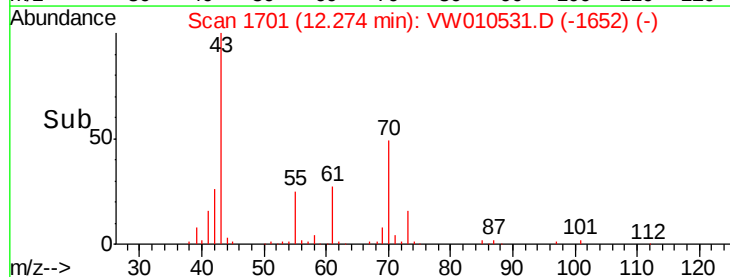
12.08

12.07

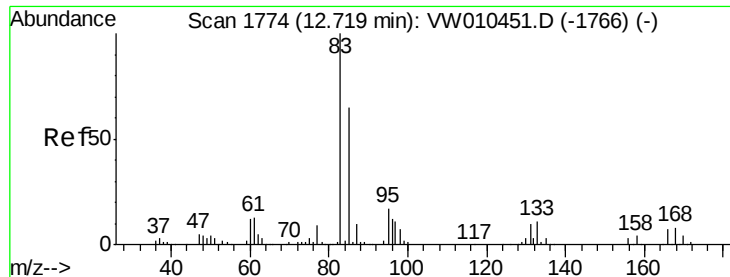
12.06

12.05

12.04



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 38.337 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

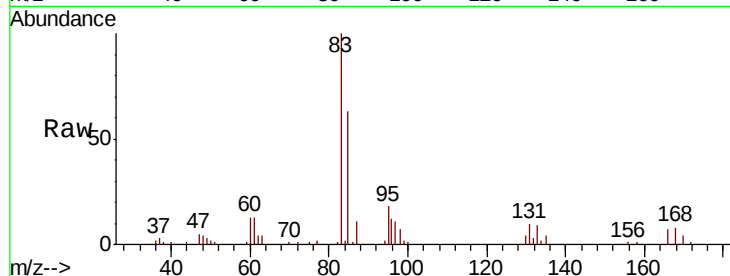
Tot Ion: 83 Resp: 43030

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

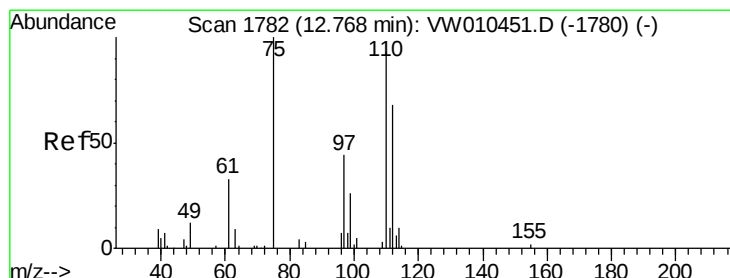
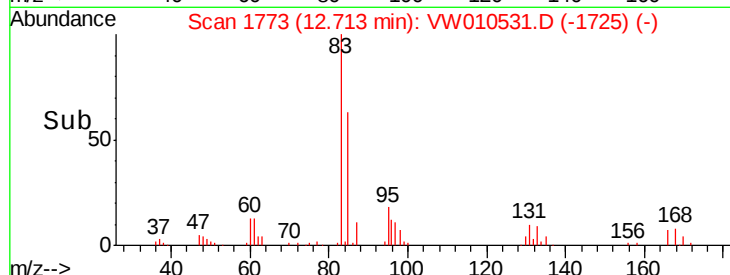
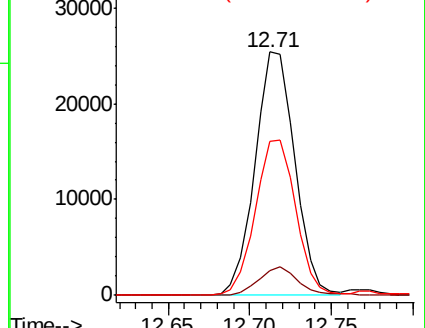
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 68.079 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010531.D

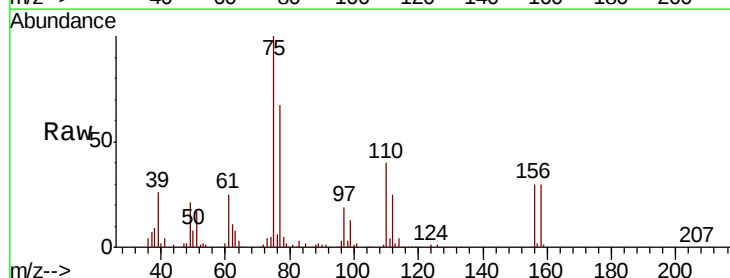
Acq: 23 May 2019 15:48

Tgt Ion: 75 Resp: 53739

Ion Ratio Lower Upper

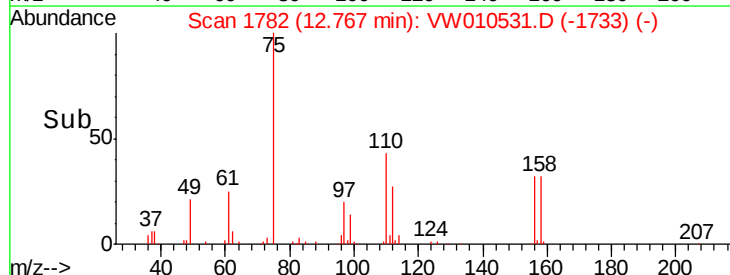
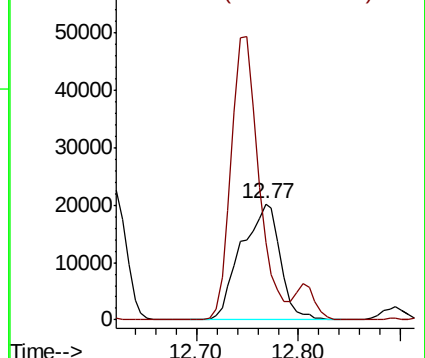
75 100

77 172.6 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 35.719 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

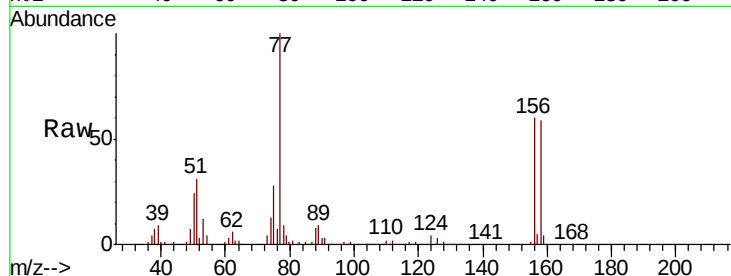
Tot Ion:156 Resp: 49326

Ion Ratio Lower Upper

156 100

77 188.1 92.4 277.2

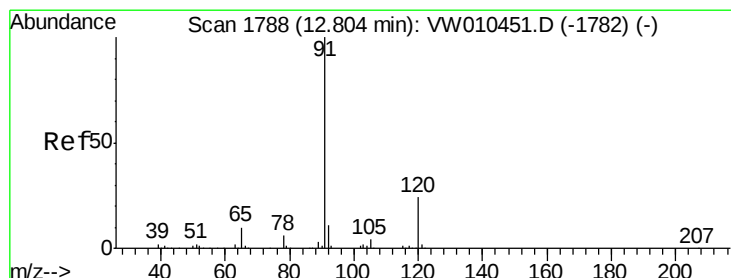
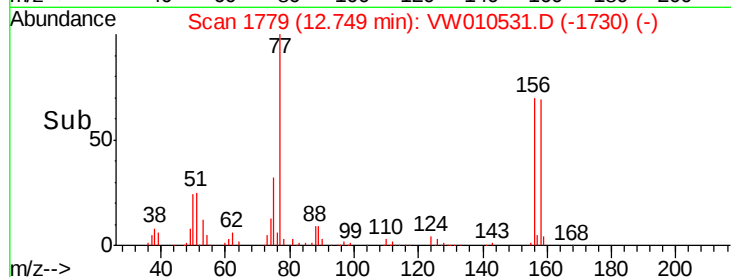
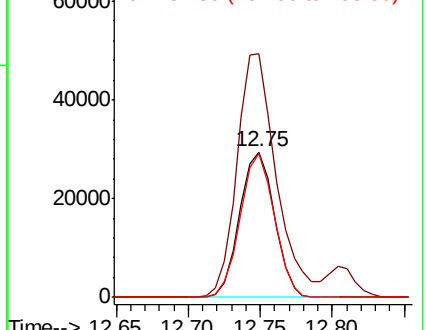
158 97.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 32.212 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010531.D

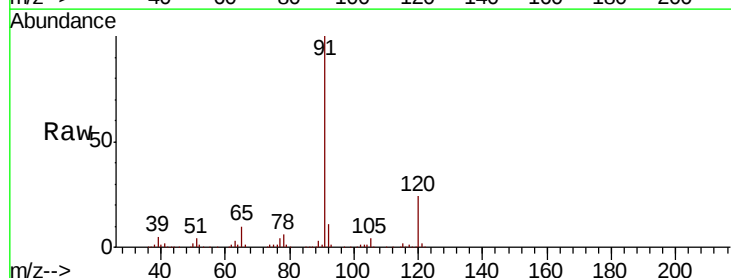
Acq: 23 May 2019 15:48

Tgt Ion: 91 Resp: 231650

Ion Ratio Lower Upper

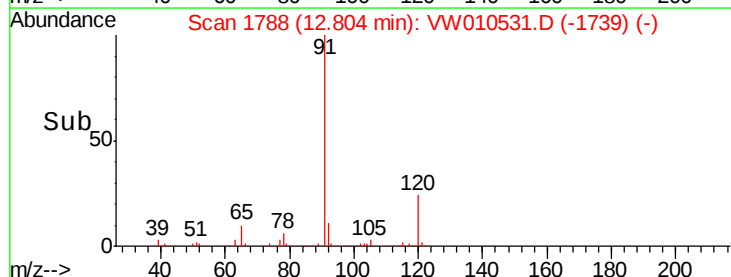
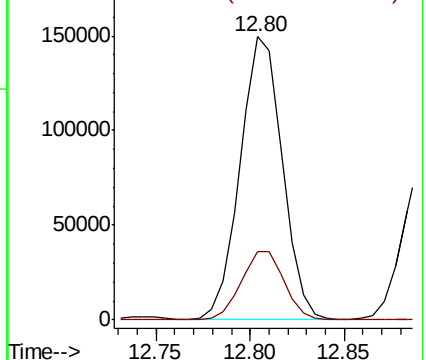
91 100

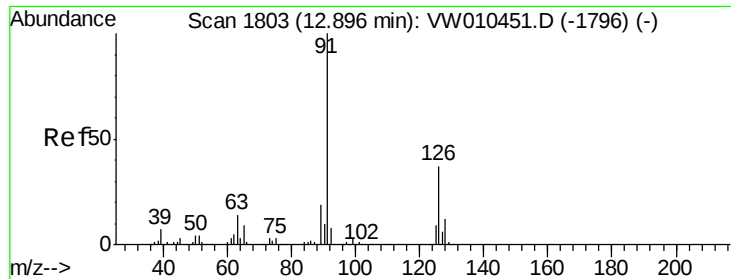
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 33.540 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

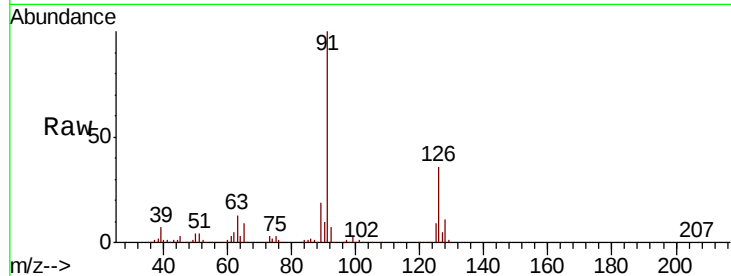
FESB-23(3-3.5)MS

Tot Ion: 91 Resp: 139879

Ion Ratio Lower Upper

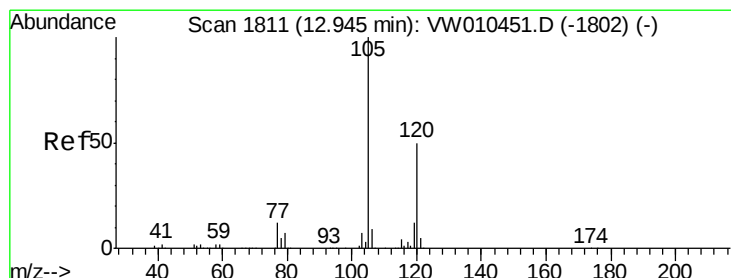
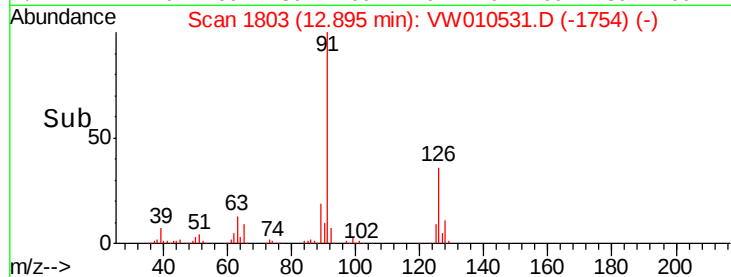
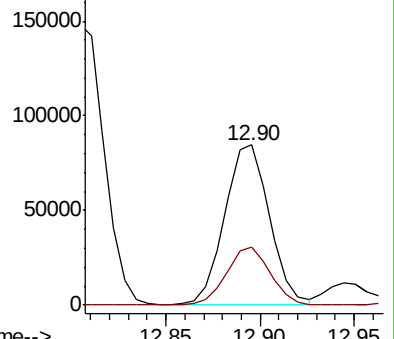
91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 32.795 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010531.D

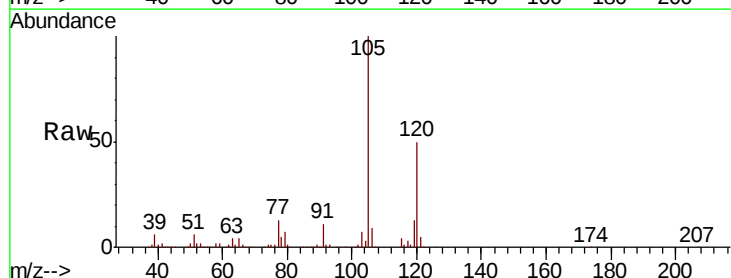
Acq: 23 May 2019 15:48

Tgt Ion:105 Resp: 171400

Ion Ratio Lower Upper

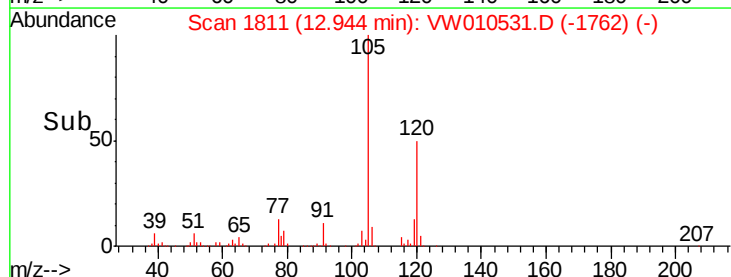
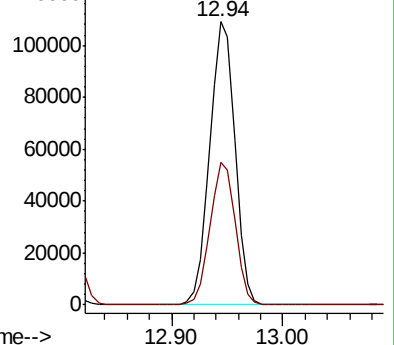
105 100

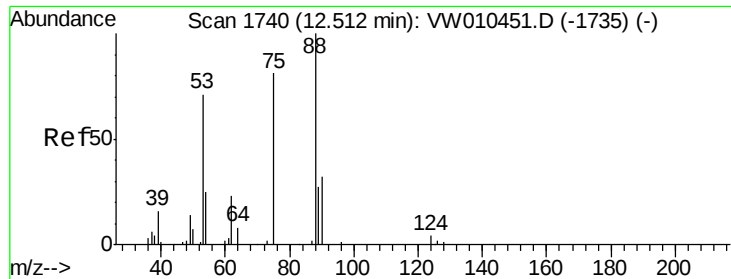
120 50.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

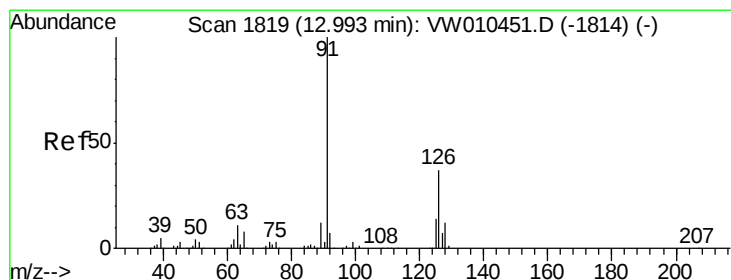
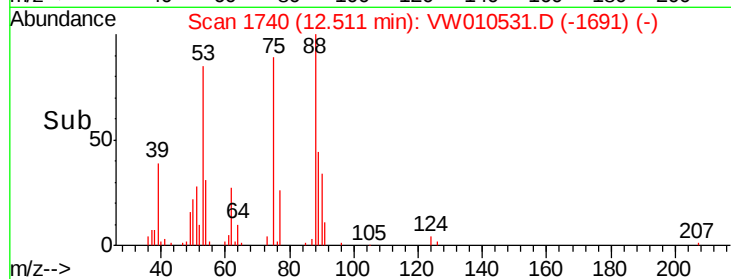
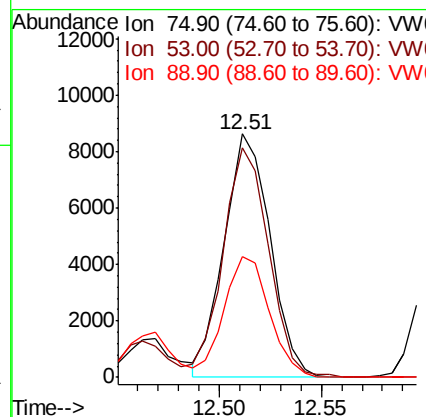
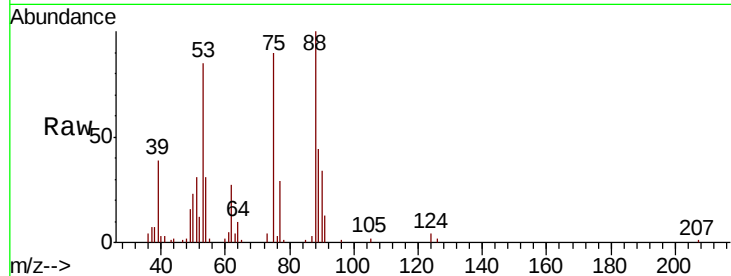




#81
trans-1,4-Dichloro-2-butene
Concen: 35.727 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

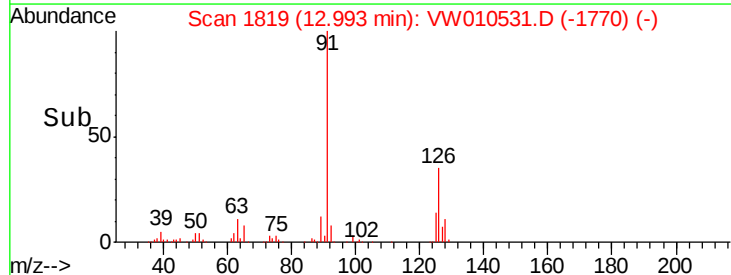
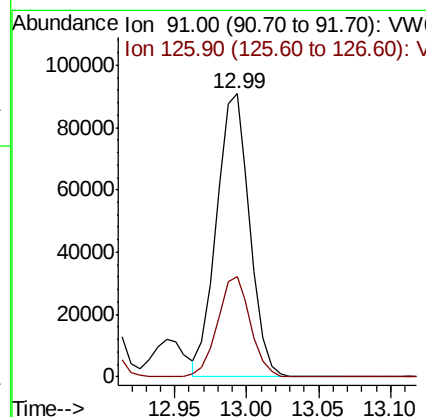
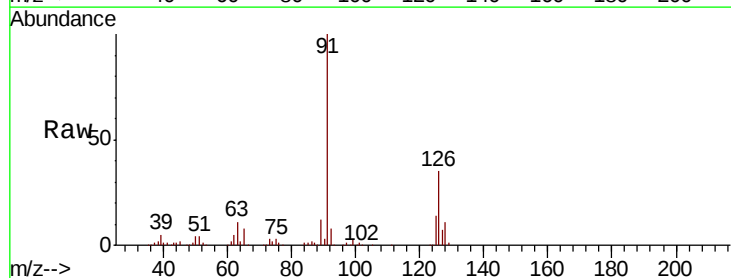
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

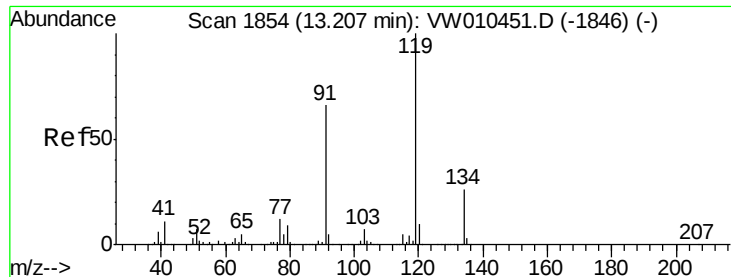
Tot Ion: 75 Resp: 13513
Ion Ratio Lower Upper
75 100
53 94.2 69.8 104.8
89 49.1 39.5 59.3



#82
4-Chlorotoluene
Concen: 33.673 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion: 91 Resp: 145764
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.6

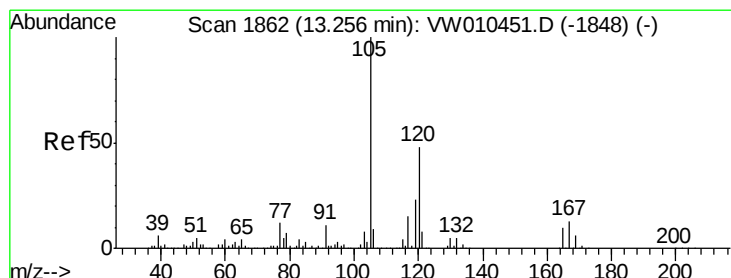
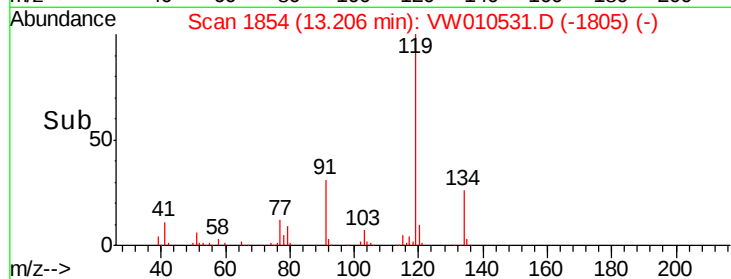
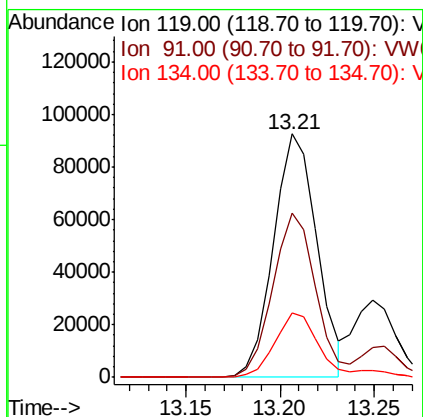
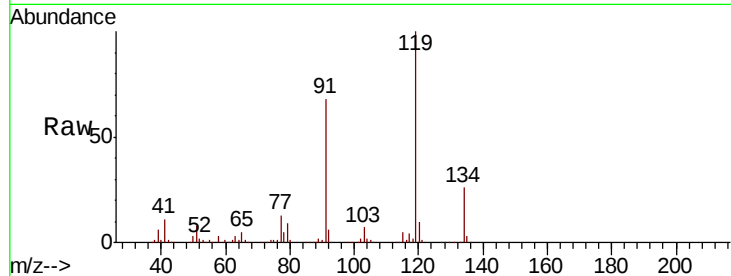




#83
tert-Butylbenzene
Concen: 32.409 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

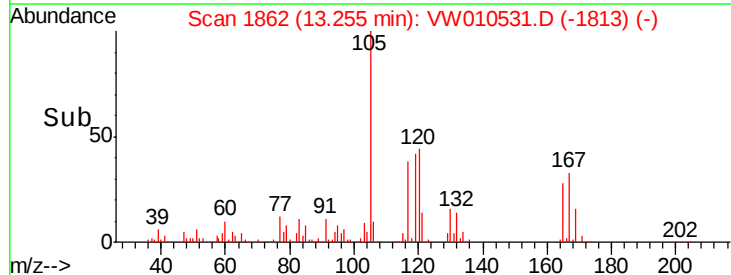
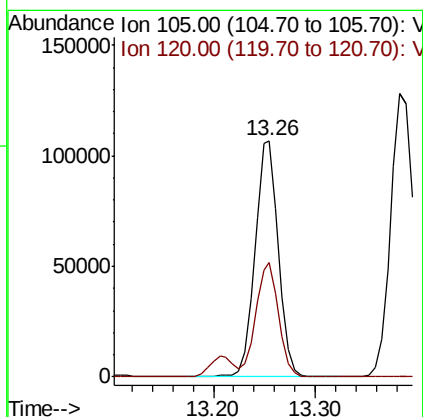
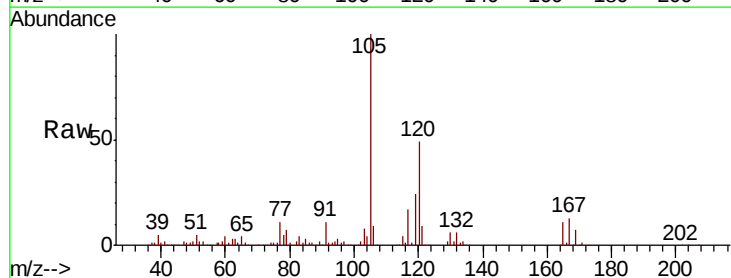
Instrument :
MSVOA_W
ClientSampleId :
FESB-23(3-3.5)MS

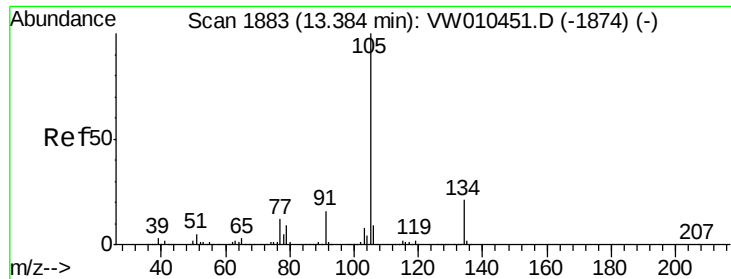
Tot Ion:119 Resp: 147958
Ion Ratio Lower Upper
119 100
91 67.0 33.1 99.5
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 32.764 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010531.D
Acq: 23 May 2019 15:48

Tgt Ion:105 Resp: 170547
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.2





#85

sec-Butylbenzene

Concen: 31.682 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

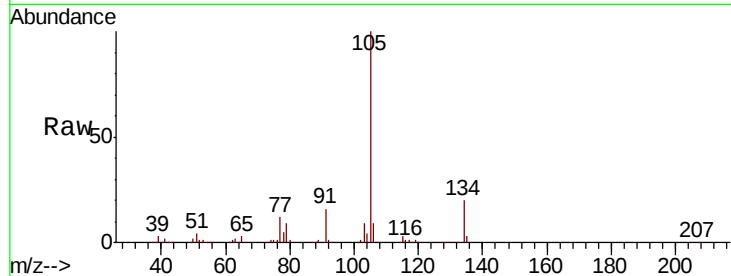
FESB-23(3-3.5)MS

Tot Ion:105 Resp: 202413

Ion Ratio Lower Upper

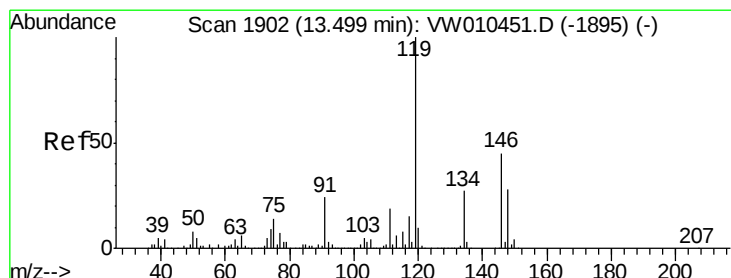
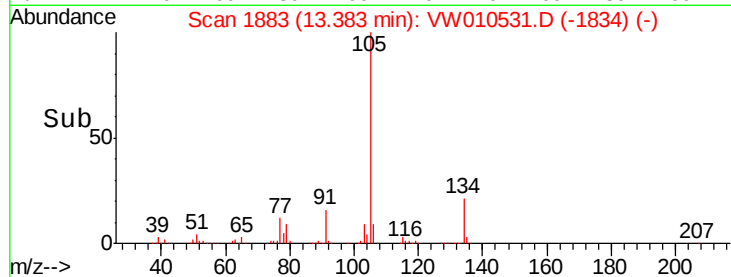
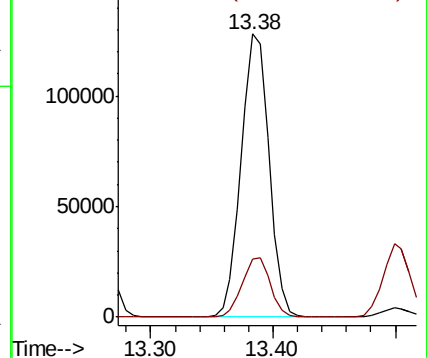
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 31.909 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

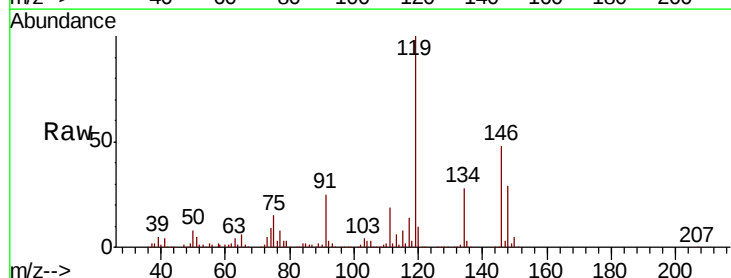
Tgt Ion:119 Resp: 184522

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

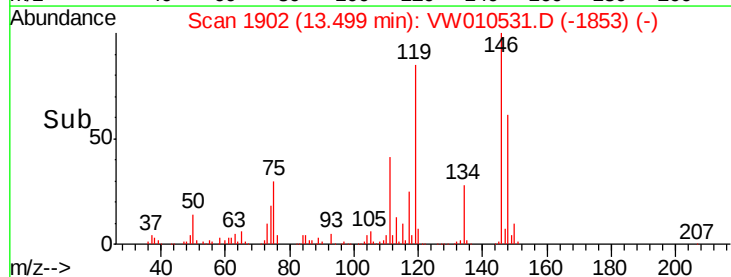
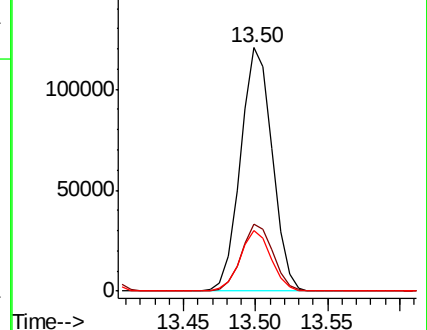
91 24.2 11.9 35.7

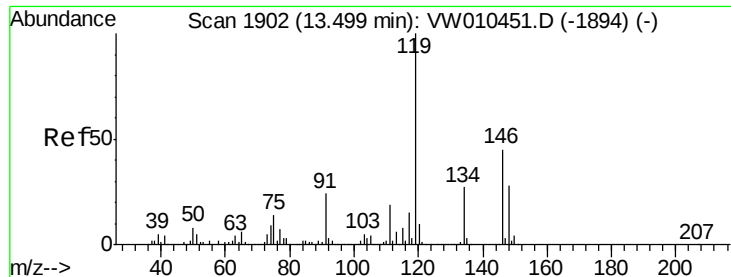


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 34.059 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

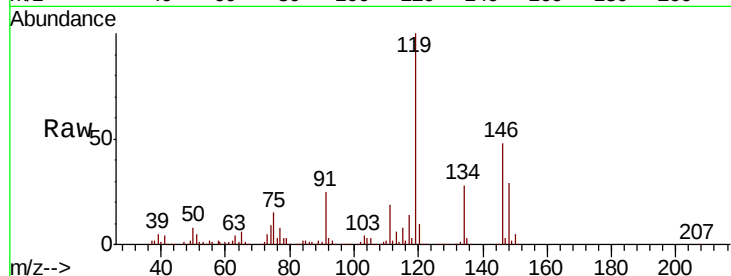
Tot Ion:146 Resp: 92277

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.9
148	63.0	31.6	94.8

146 100

111 41.0 20.3 60.9

148 63.0 31.6 94.8

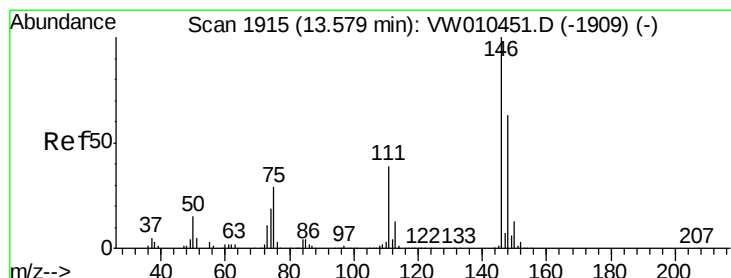
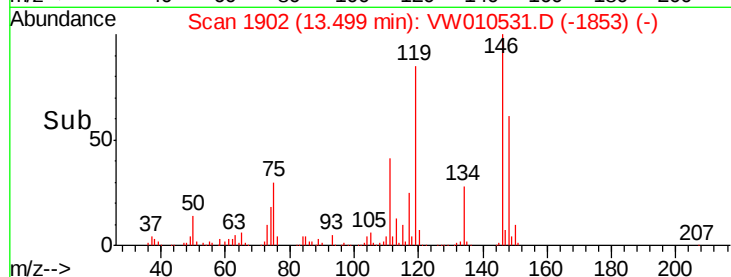
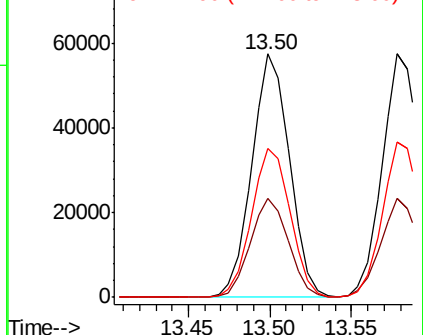


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 34.171 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

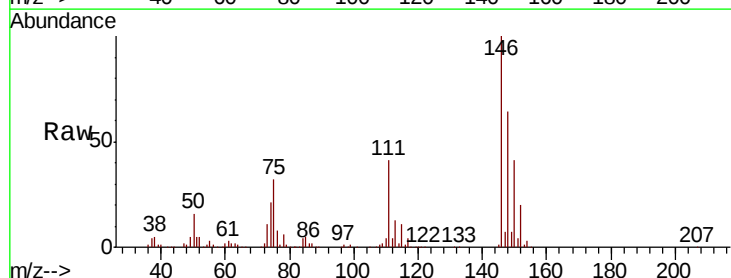
Tgt Ion:146 Resp: 92886

Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.9	59.6
148	64.4	31.6	94.8

146 100

111 41.2 19.9 59.6

148 64.4 31.6 94.8

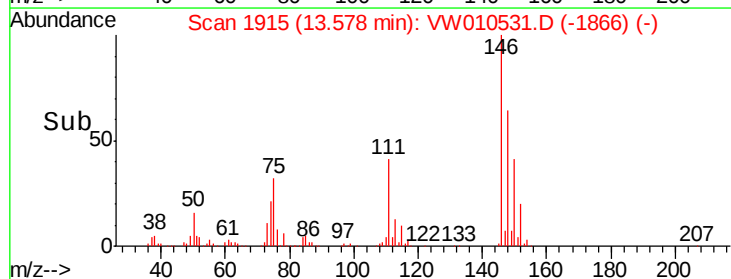
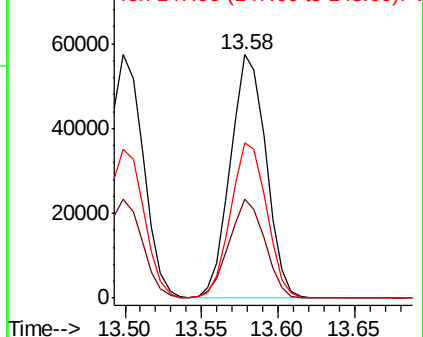


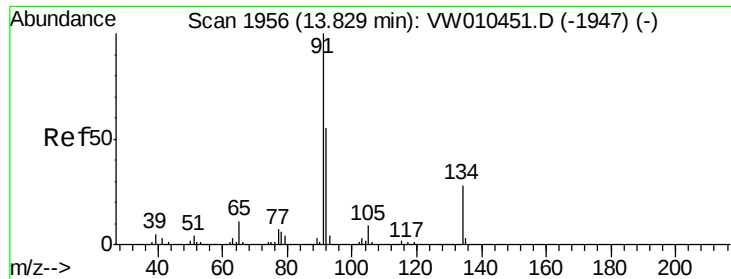
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 30.042 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

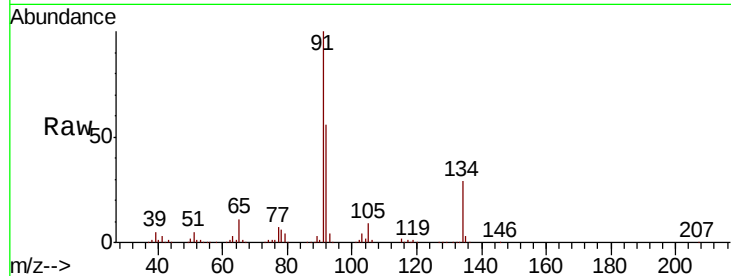
Tot Ion: 91 Resp: 165244

Ion Ratio Lower Upper

91 100

92 55.9 27.7 83.1

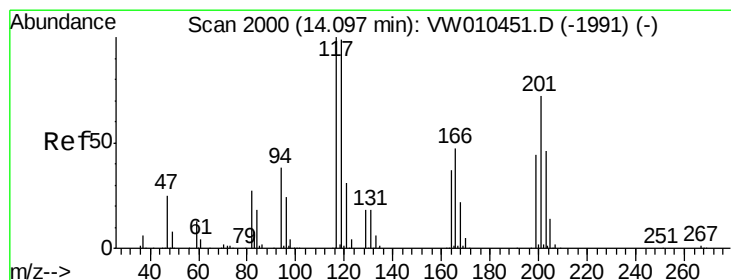
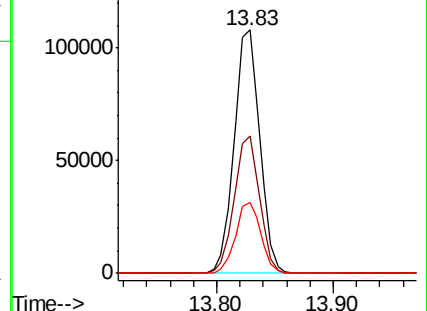
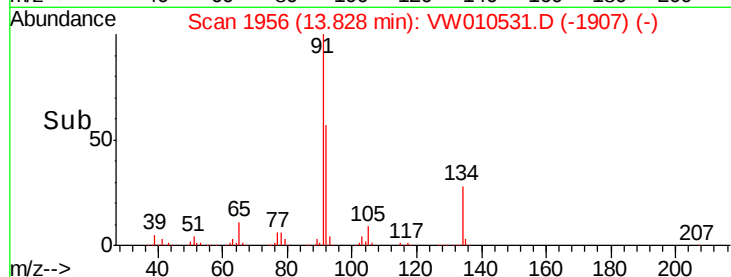
134 28.6 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 31.936 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010531.D

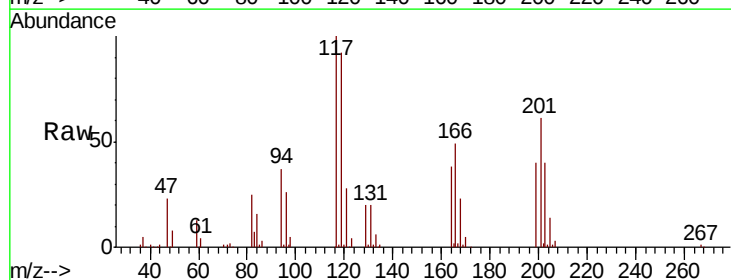
Acq: 23 May 2019 15:48

Tgt Ion: 117 Resp: 35746

Ion Ratio Lower Upper

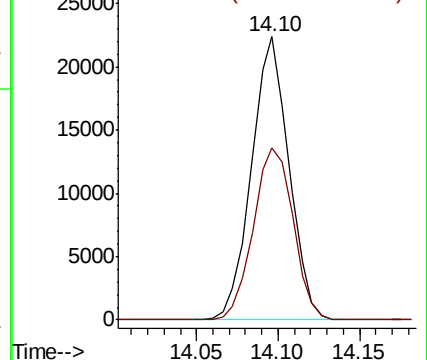
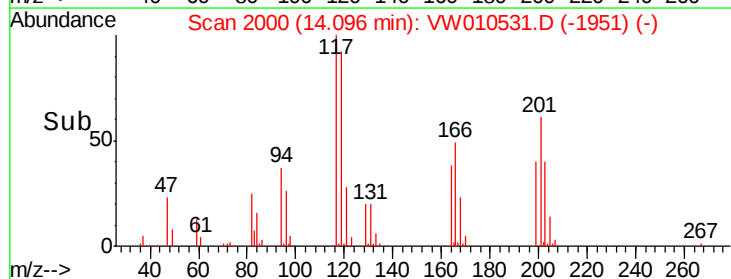
117 100

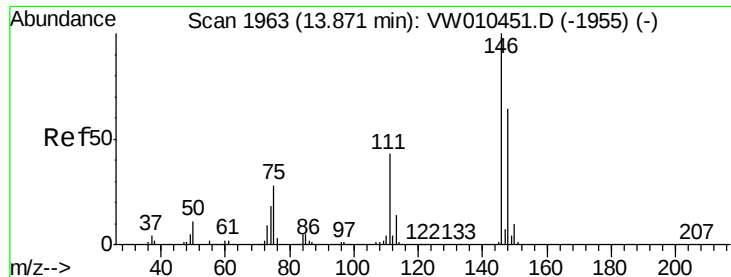
201 64.7 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 34.677 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

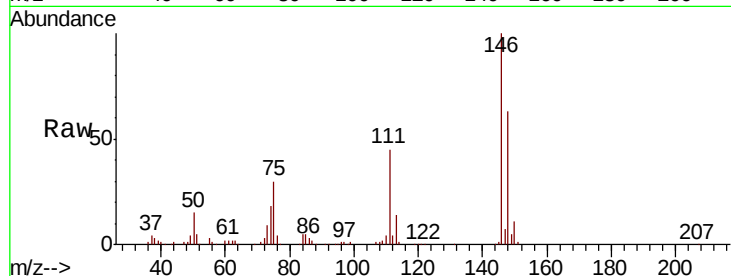
Tot Ion:146 Resp: 85603

Ion Ratio Lower Upper

146 100

111 43.1 21.3 64.0

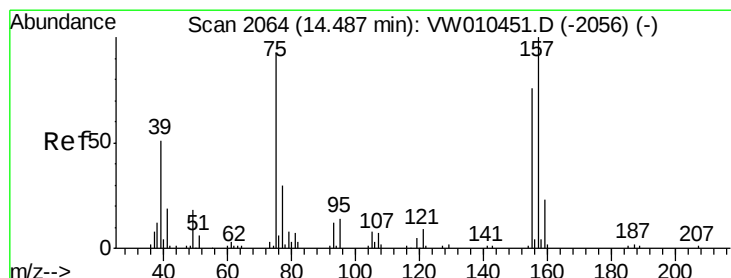
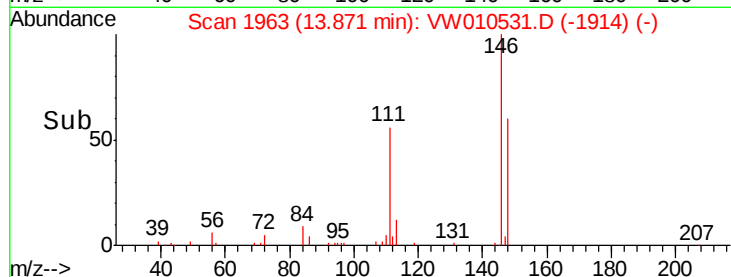
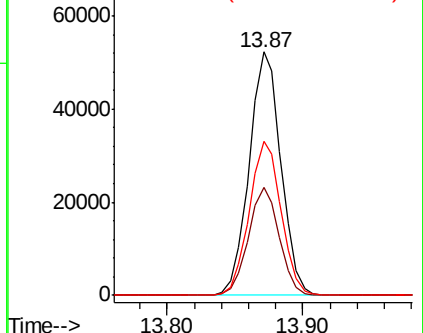
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 37.714 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

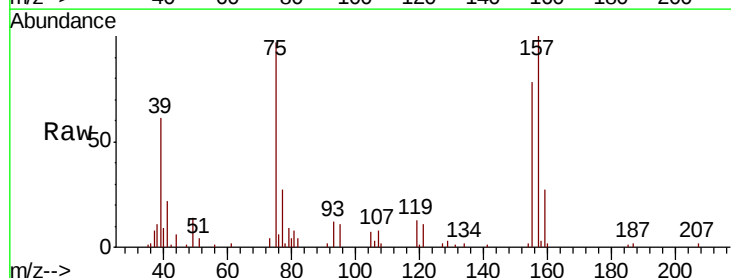
Tgt Ion: 75 Resp: 7871

Ion Ratio Lower Upper

75 100

155 84.9 43.0 129.0

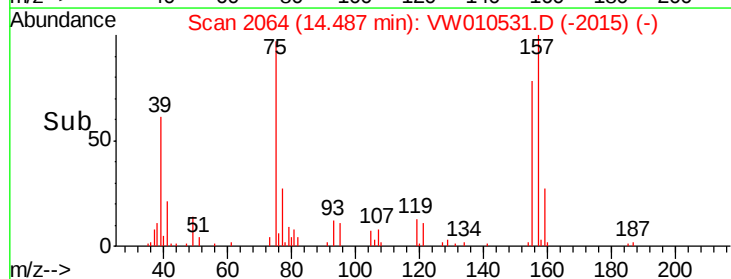
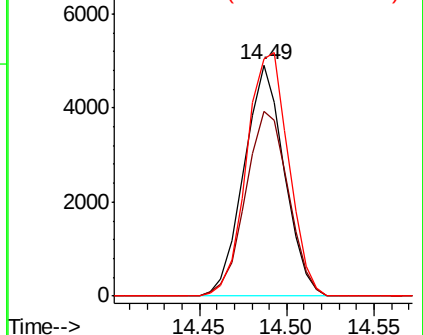
157 109.8 55.7 167.1

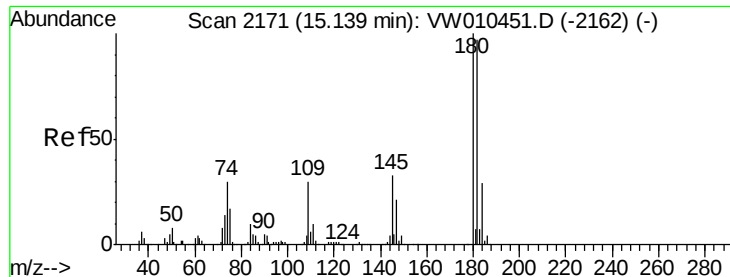


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

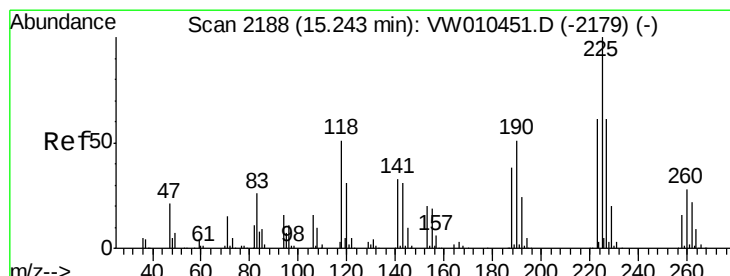
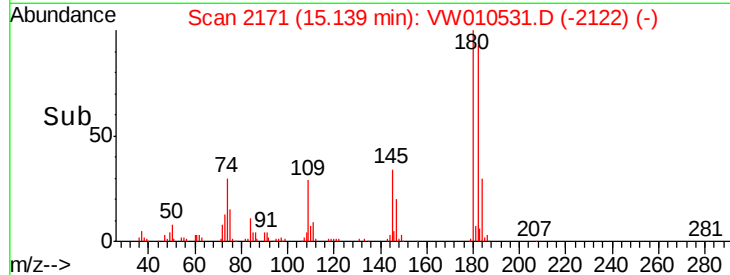
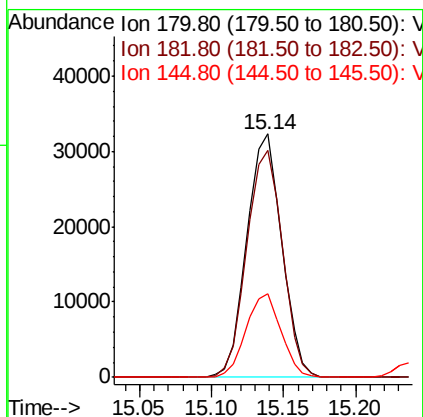
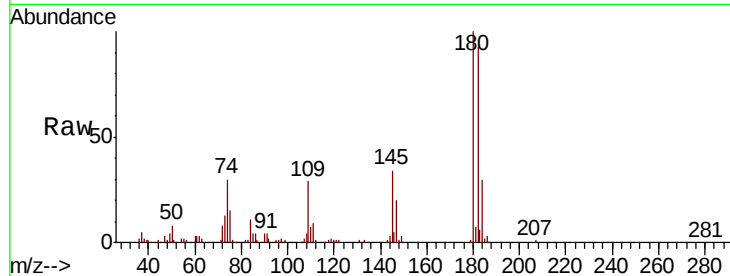




#93
 1,2,4-Trichlorobenzene
 Concen: 32.311 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

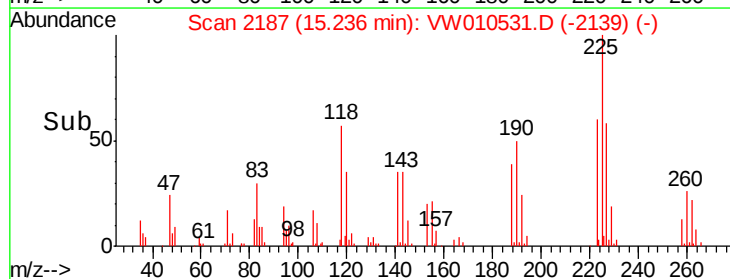
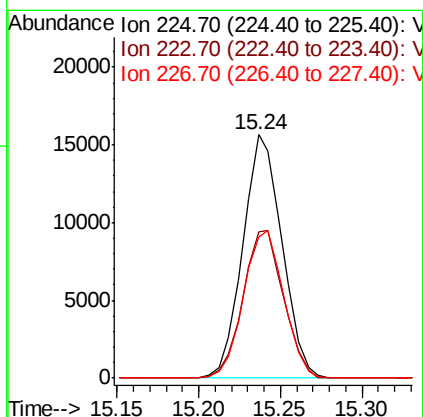
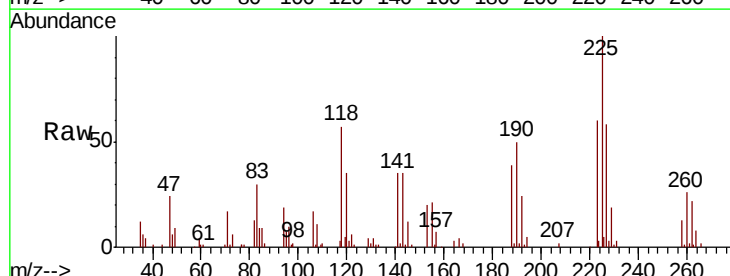
Instrument :
 MSVOA_W
 ClientSampleId :
 FESB-23(3-3.5)MS

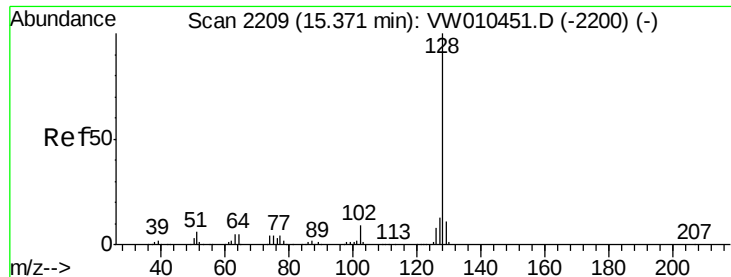
Tot Ion:180 Resp: 54271
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.0 141.2
 145 34.2 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 29.054 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010531.D
 Acq: 23 May 2019 15:48

Tgt Ion:225 Resp: 26070
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.2
 227 62.2 31.1 93.5





#95

Naphthalene

Concen: 36.592 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

Instrument :

MSVOA_W

ClientSampleId :

FESB-23(3-3.5)MS

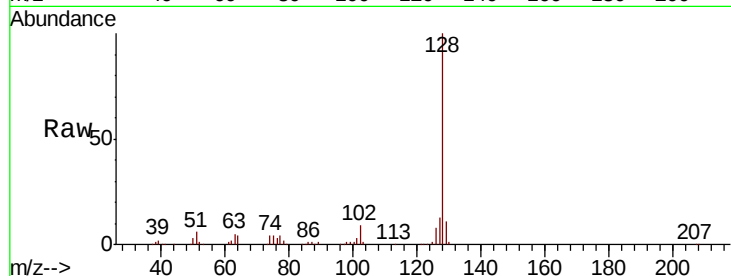
Tot Ion:128 Resp: 129014

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

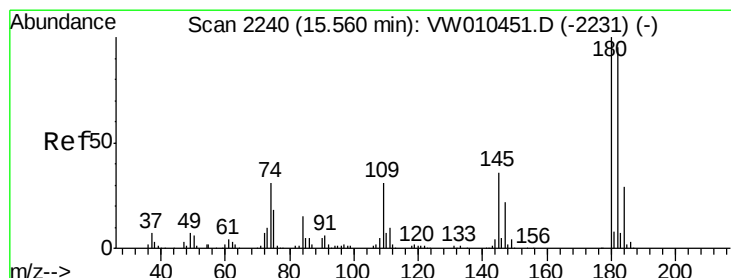
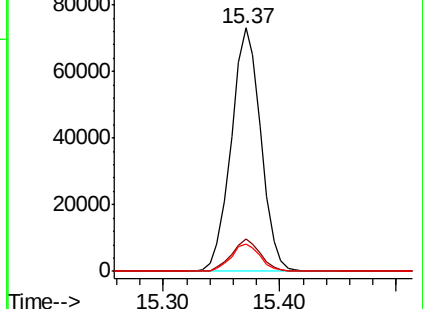
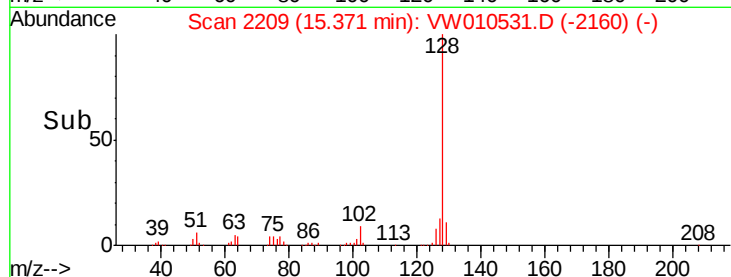
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 34.009 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010531.D

Acq: 23 May 2019 15:48

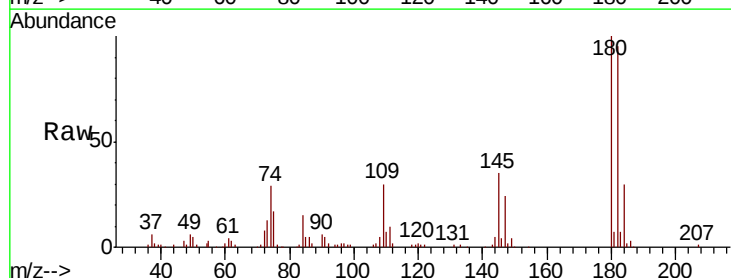
Tgt Ion:180 Resp: 49152

Ion Ratio Lower Upper

180 100

182 94.1 47.1 141.3

145 35.5 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

