

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062735.D
 Acq On : 23 May 2019 19:06
 Operator : FY/SY
 Sample : K3036-01
 Misc : 4.84g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: May 24 02:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	850393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1398237	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1055787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	455046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	237539	39.53	ug/l	0.00
Spiked Amount			Recovery	=	79.06%	
35) Dibromofluoromethane	4.31	113	458277	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	
50) Toluene-d8	7.72	98	1080272	42.29	ug/l	0.00
Spiked Amount			Recovery	=	84.58%	
62) 4-Bromofluorobenzene	11.50	95	374667	38.67	ug/l	0.00
Spiked Amount			Recovery	=	77.34%	

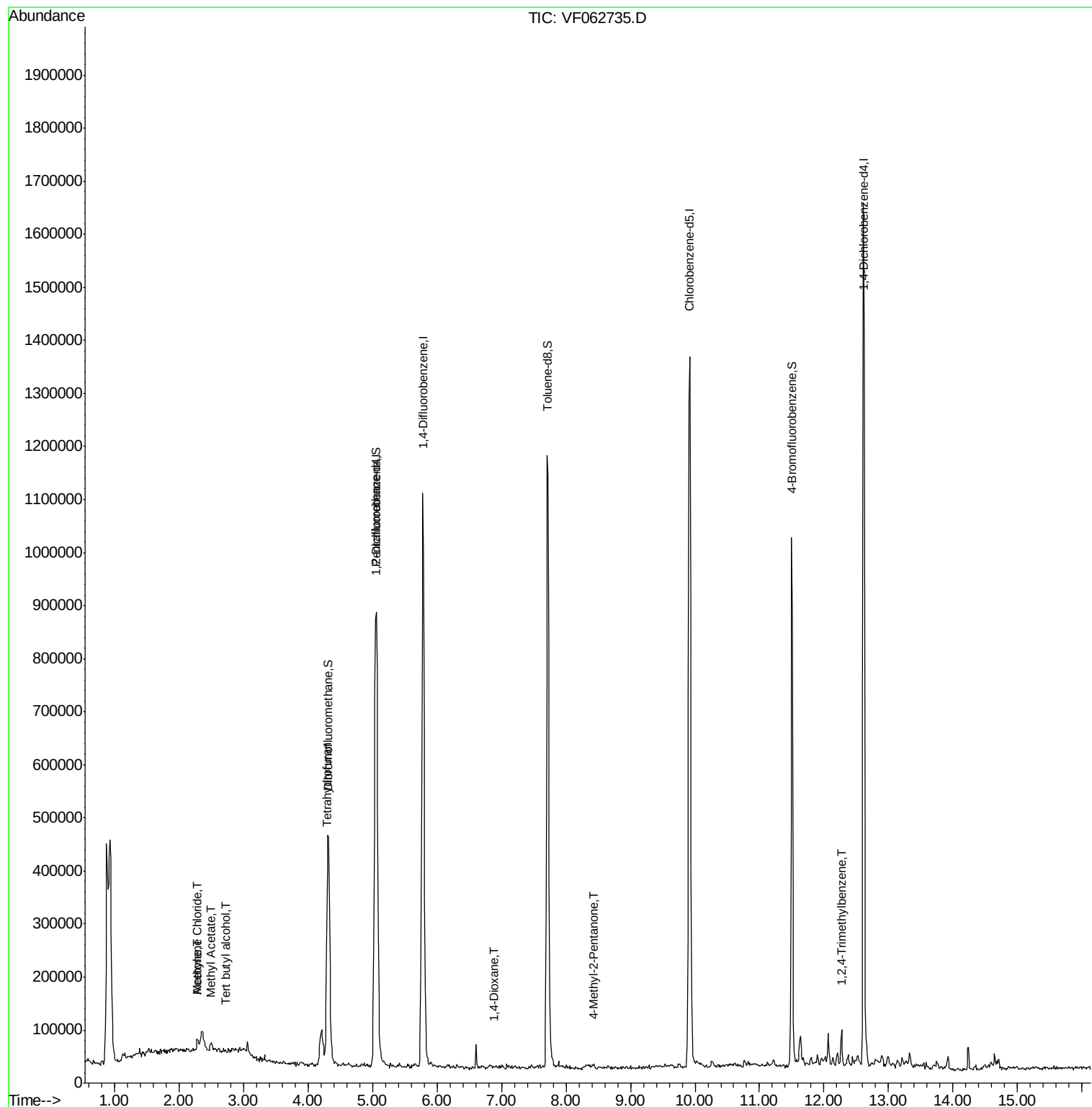
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	1767	4.454	ug/l #	13
16) Acetone	2.28	43	2073	1.330	ug/l	98
18) Methyl Acetate	2.50	43	12608	5.146	ug/l #	70
20) Methylene Chloride	2.29	84	13047	1.670	ug/l	92
29) Tetrahydrofuran	4.29	42	4218	3.129	ug/l #	78
49) 1,4-Dioxane	6.89	88	697	13.738	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	5722	1.105	ug/l #	79
59) 2-Hexanone	9.63	43	7076	Below Cal		93
74) N-amyl acetate	11.45	43	2349	Below Cal	#	64
84) 1,2,4-Trimethylbenzene	12.27	105	28201	1.114	ug/l	89

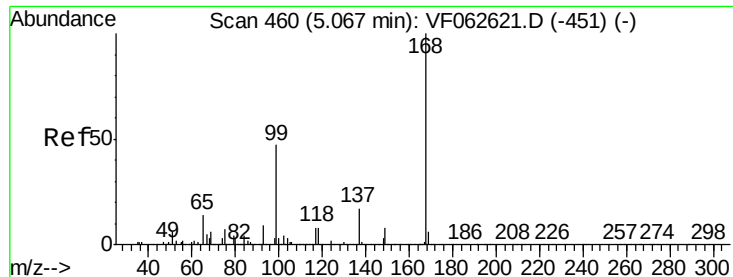
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Instrument :

MSVOA_F

ClientSampleId :

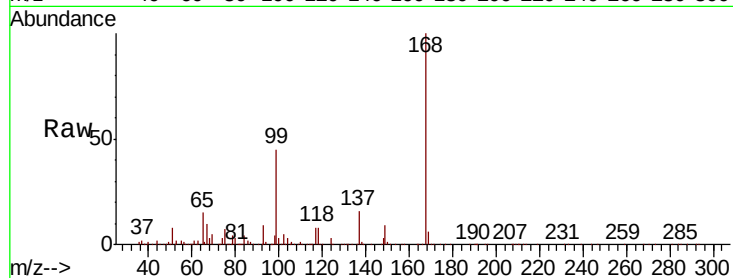
FESB-26(2.5-3)

Tot Ion:168 Resp: 850393

Ion Ratio Lower Upper

168 100

99 45.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

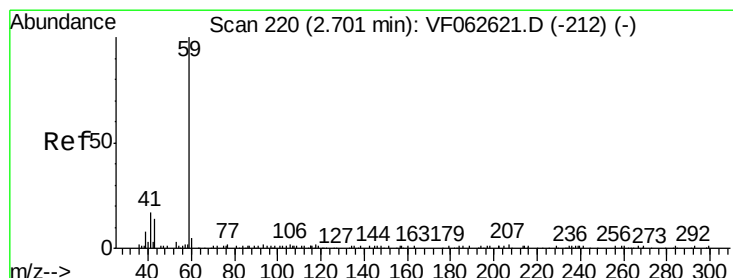
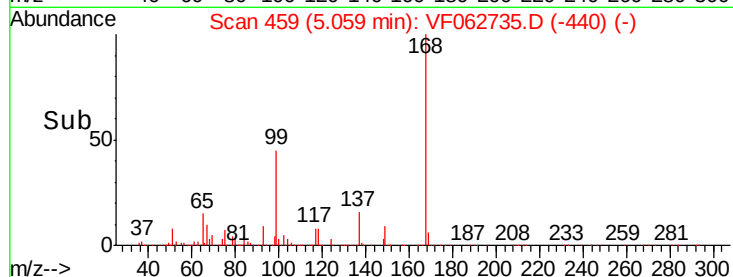
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.454 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062735.D

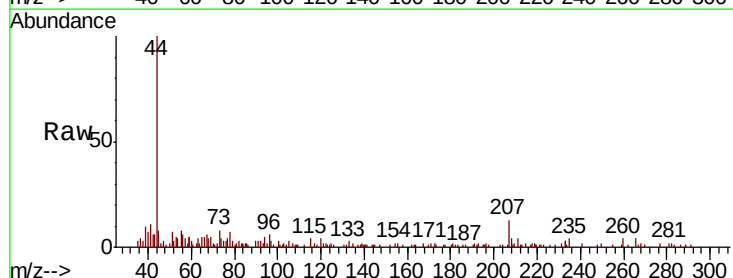
Acq: 23 May 2019 19:06

Tgt Ion: 59 Resp: 1767

Ion Ratio Lower Upper

59 100

57 45.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

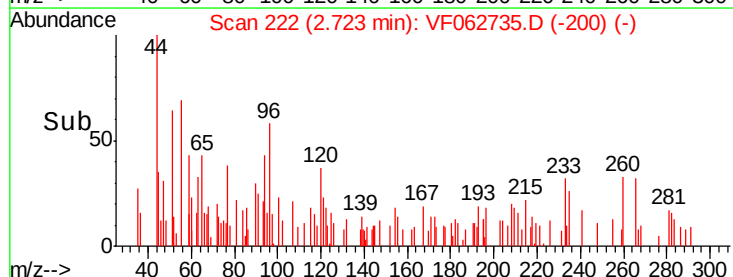
2.72

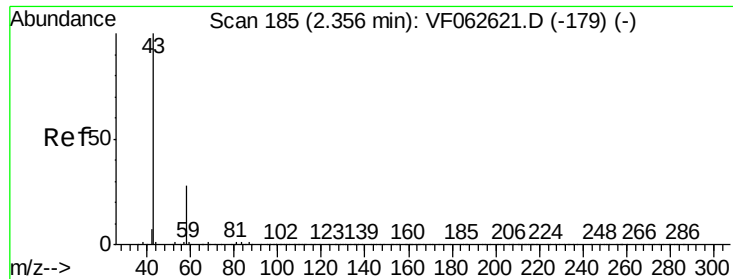
1000

500

0

Time-->

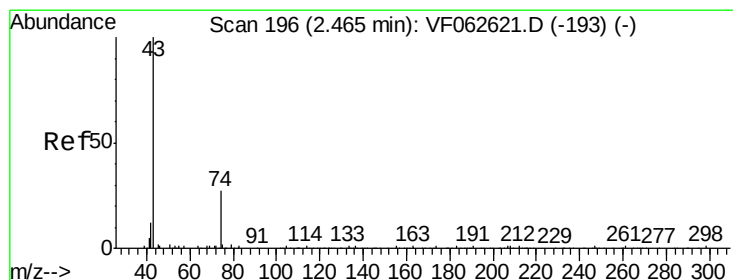
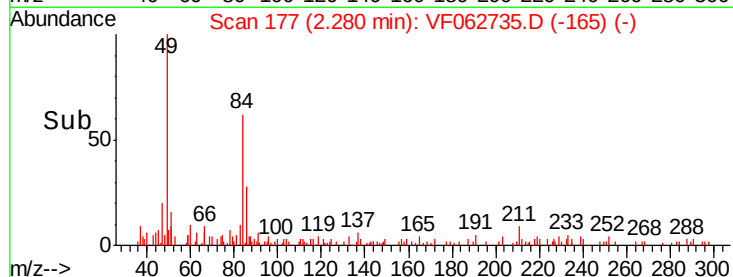
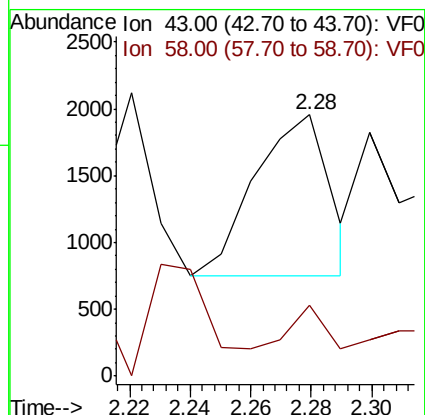
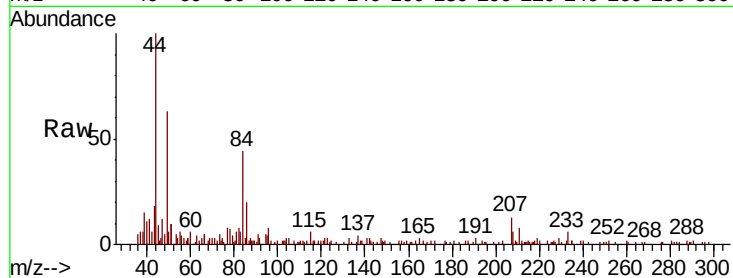




#16
Acetone
Concen: 1.330 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.08 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

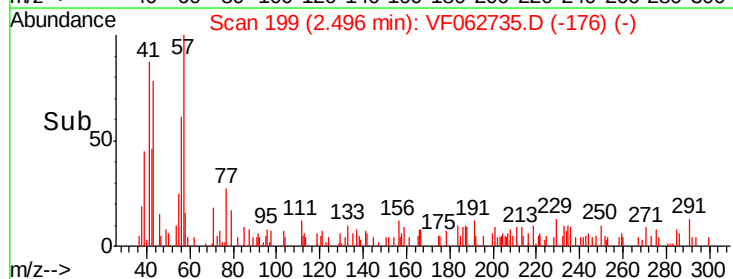
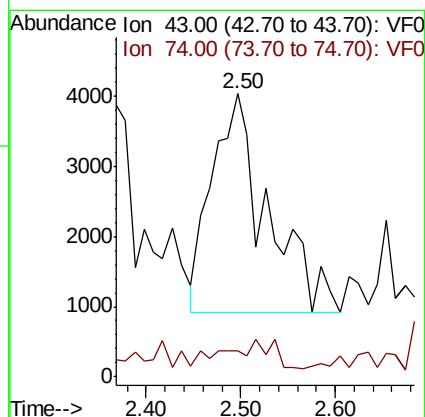
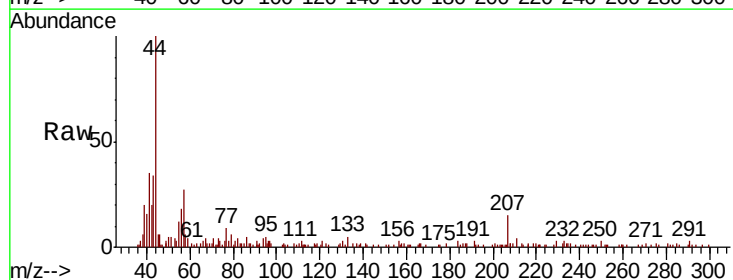
Instrument :
MSVOA_F
ClientSampleId :
FESB-26(2.5-3)

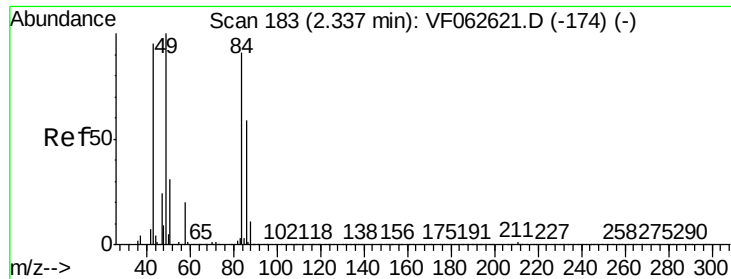
Tot Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 27.0 22.6 33.8



#18
Methyl Acetate
Concen: 5.146 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion: 43 Resp: 12608
Ion Ratio Lower Upper
43 100
74 9.0 18.9 28.3#

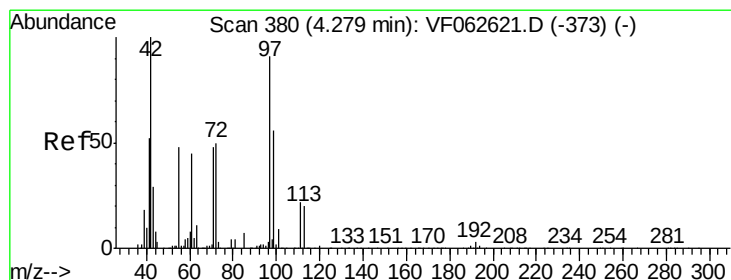
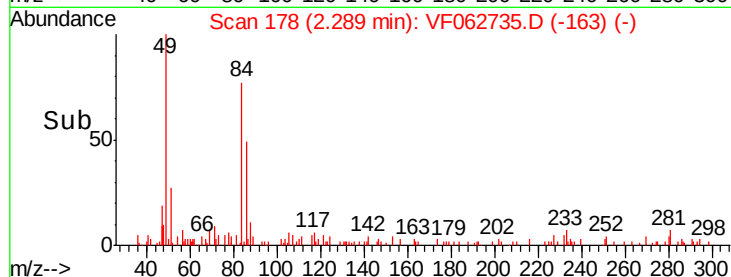
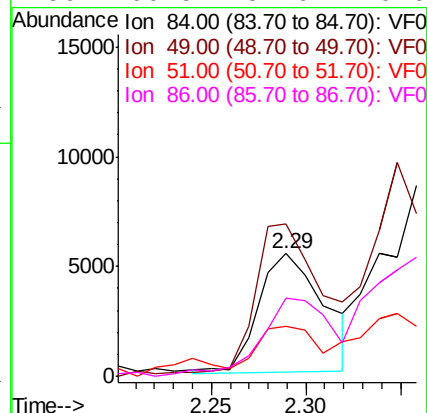
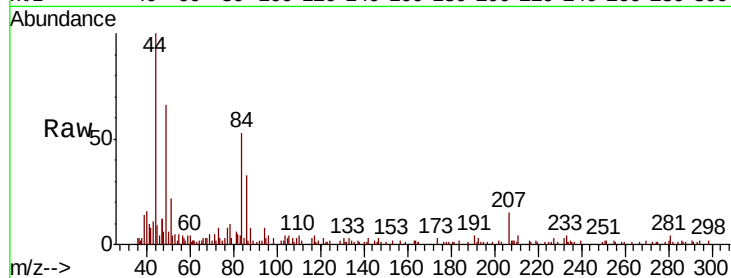




#20
Methvlene Chloride
Concen: 1.670 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

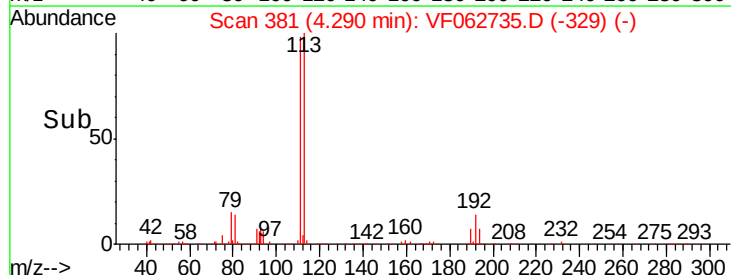
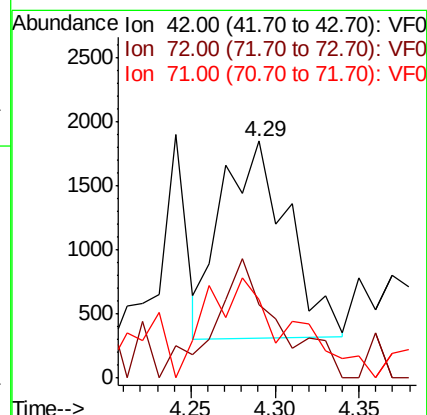
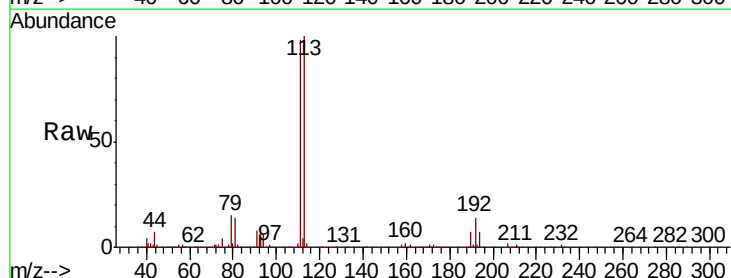
Instrument :
MSVOA_F
ClientSampleId :
FESB-26(2.5-3)

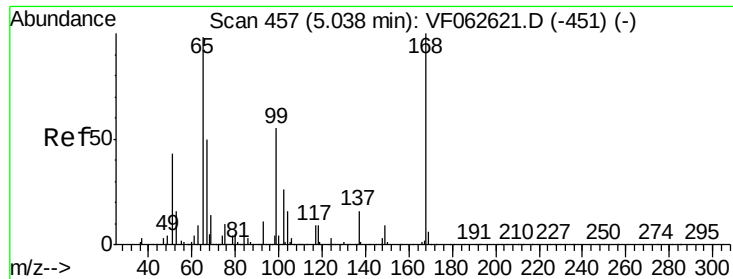
Tot Ion:	84	Resp:	13047
Ion	Ratio	Lower	Upper
84	100		
49	124.5	89.8	134.8
51	40.9	28.4	42.6
86	66.5	52.6	79.0



#29
Tetrahydrofuran
Concen: 3.129 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion:	42	Resp:	4218
Ion	Ratio	Lower	Upper
42	100		
72	58.3	38.2	57.2#
71	64.0	35.8	53.6#

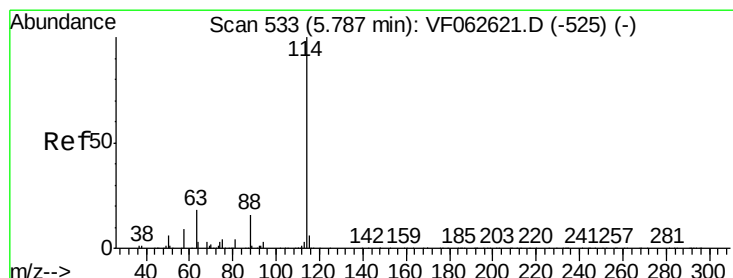
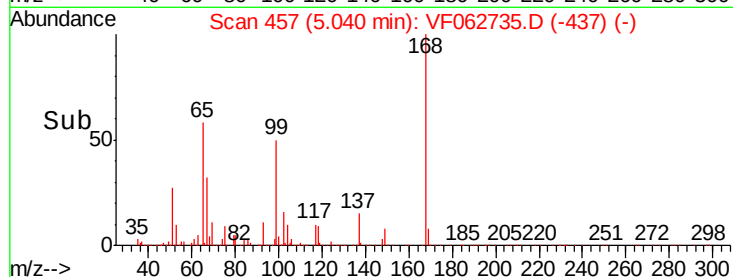
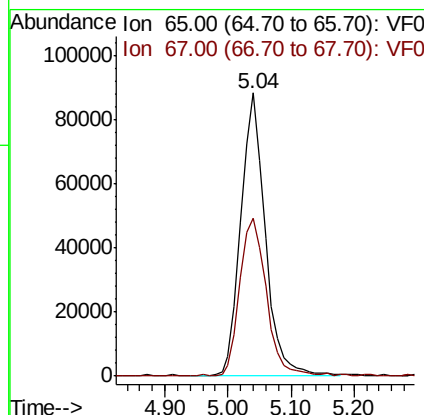
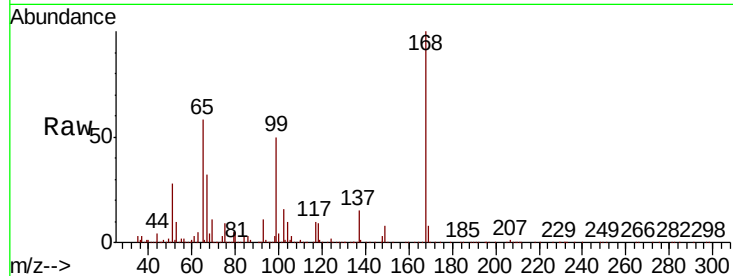




#33
 1,2-Dichloroethane-d4
 Concen: 39.529 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062735.D
 Acq: 23 May 2019 19:06

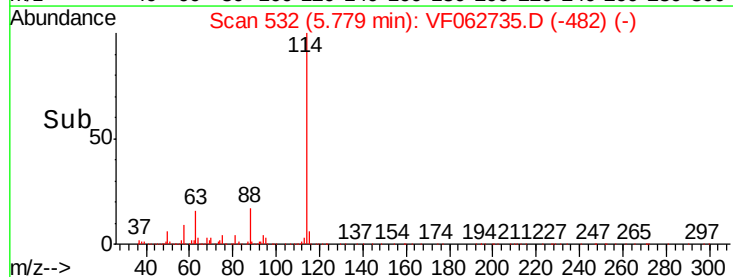
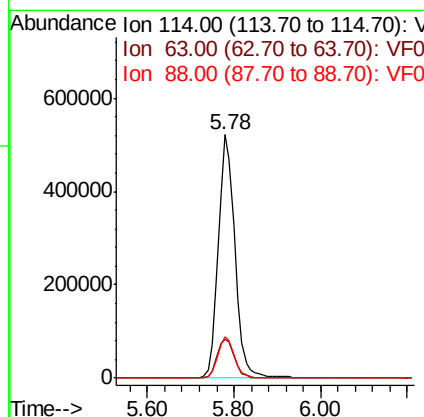
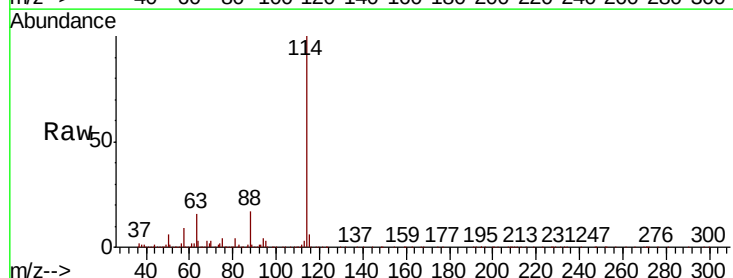
Instrument :
 MSVOA_F
 ClientSampleId :
 FESB-26(2.5-3)

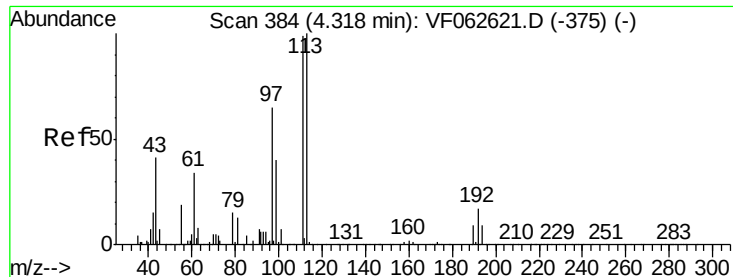
Tot Ion: 65 Resp: 237539
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062735.D
 Acq: 23 May 2019 19:06

Tgt Ion: 114 Resp: 1398237
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 35.4
 88 16.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 42.832 ug/l

RT: 4.31 min Scan# 383

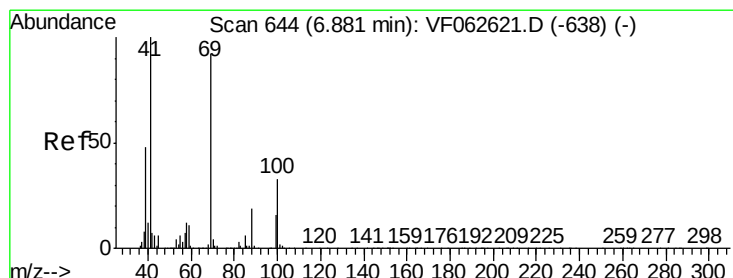
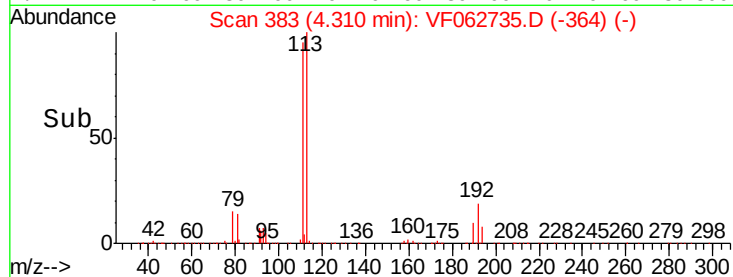
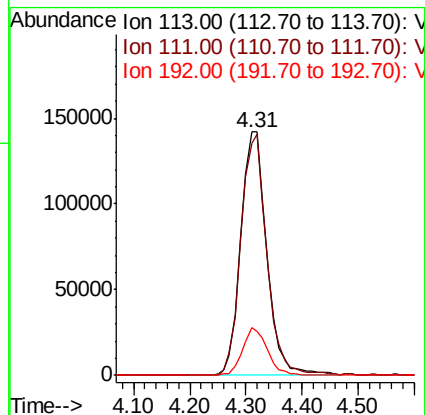
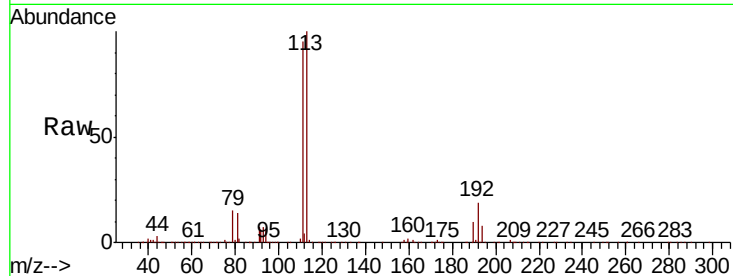
Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

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

Tot Ion:113	Resp:	458277
Ion	Ratio	Lower Upper
113	100	
111	95.1	79.4 119.2
192	19.4	13.4 20.2



#49

1,4-Dioxane

Concen: 13.738 ug/l

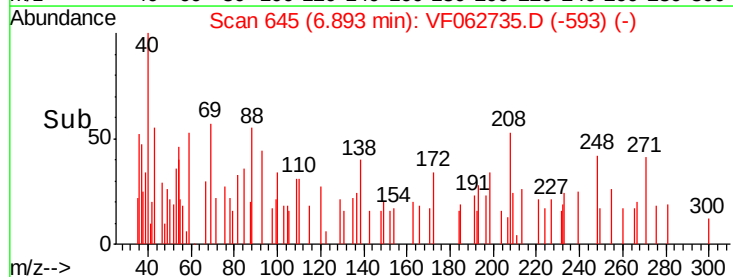
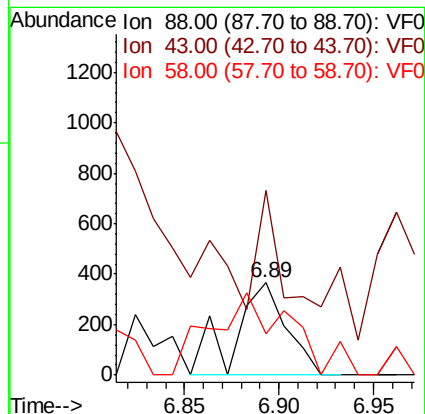
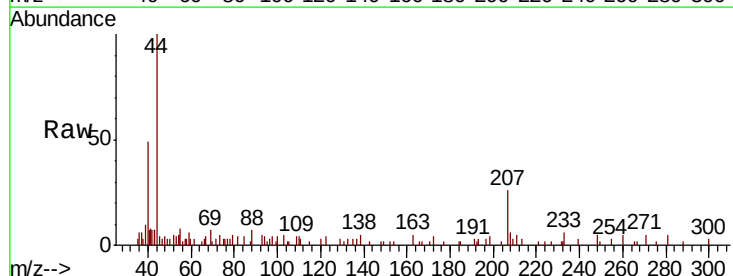
RT: 6.89 min Scan# 645

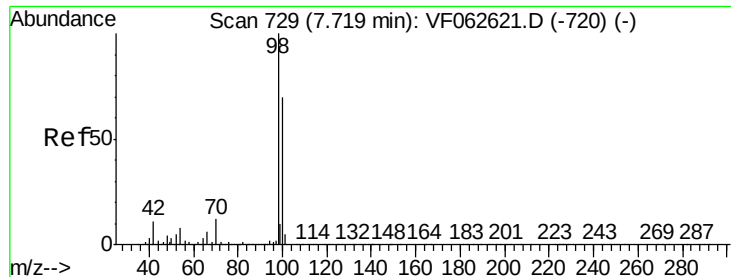
Delta R.T. 0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Tgt Ion: 88	Resp:	697
Ion	Ratio	Lower Upper
88	100	
43	201.1	30.0 45.0#
58	44.9	51.1 76.7#

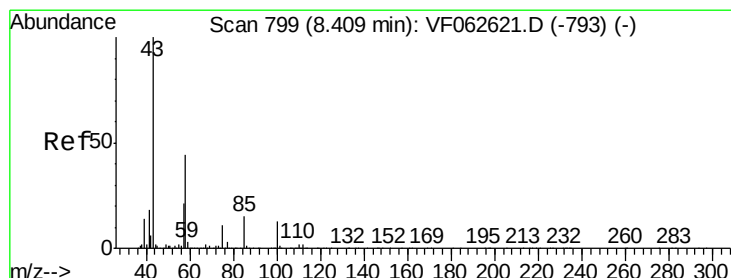
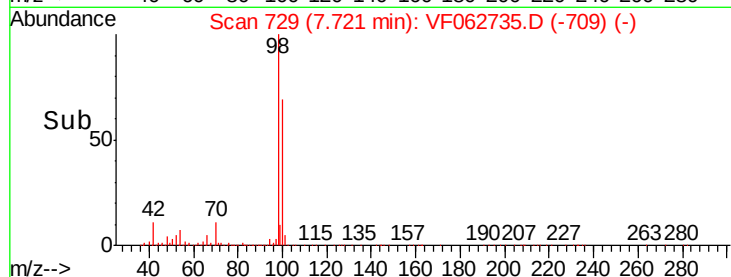
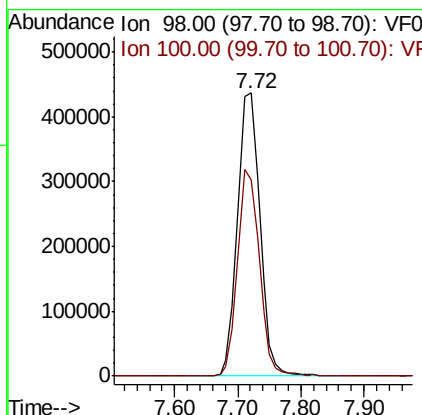
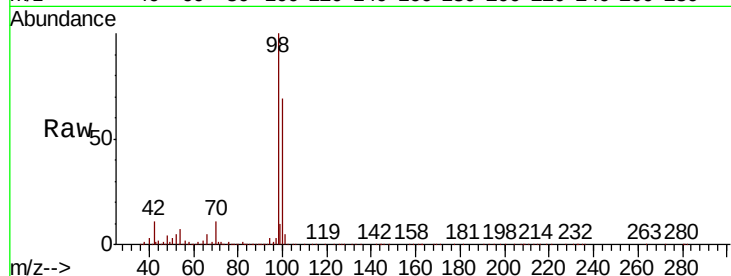




#50
Toluene-d8
Concen: 42.287 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

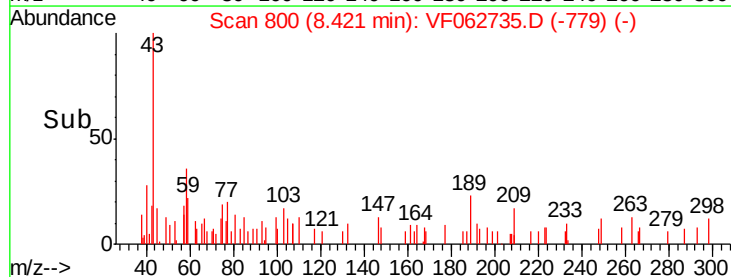
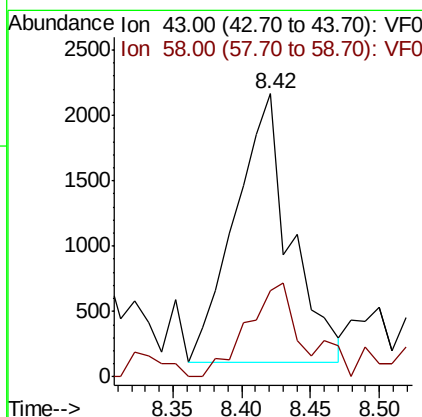
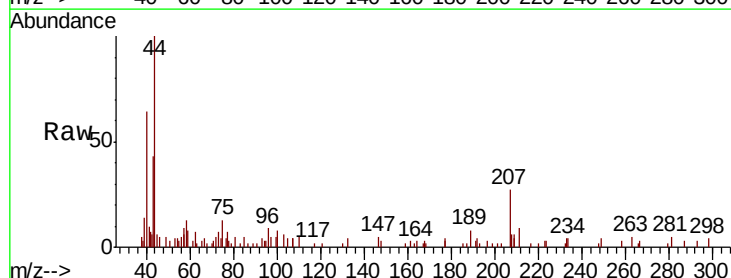
Instrument :
MSVOA_F
ClientSampleId :
FESB-26(2.5-3)

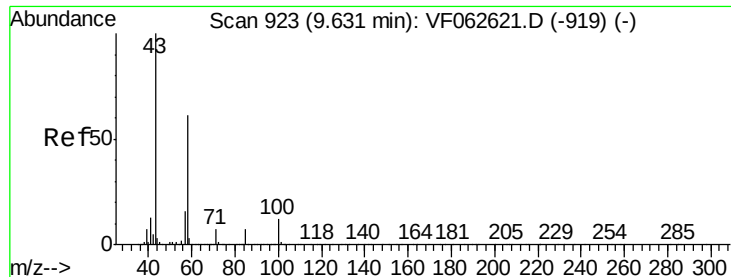
Tot Ion: 98 Resp: 1080272
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
58 30.3 34.9 52.3#

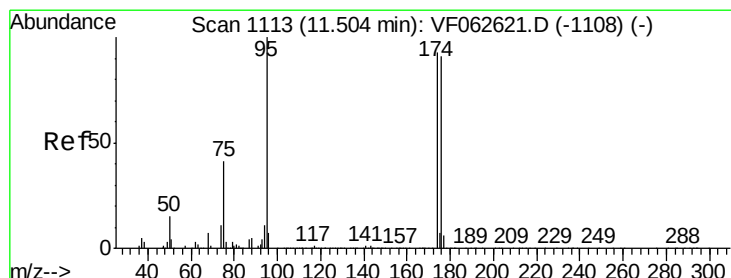
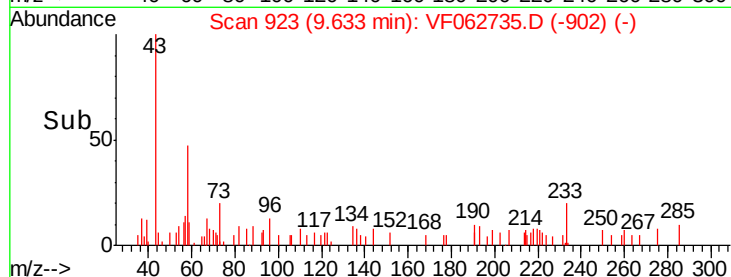
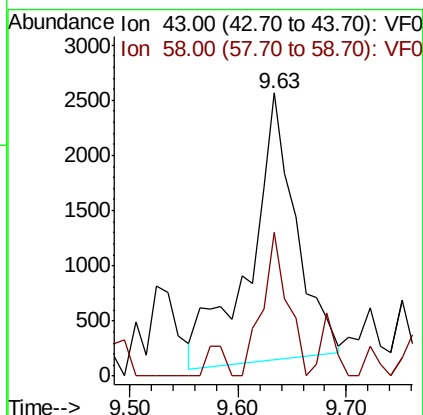
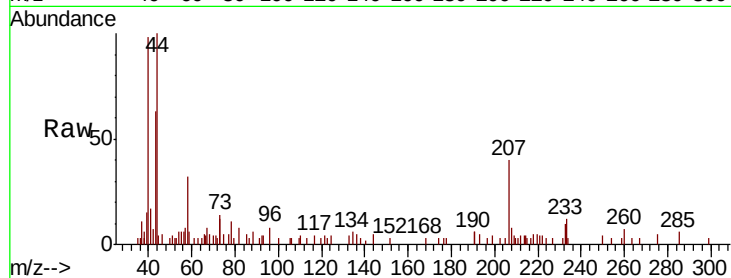




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

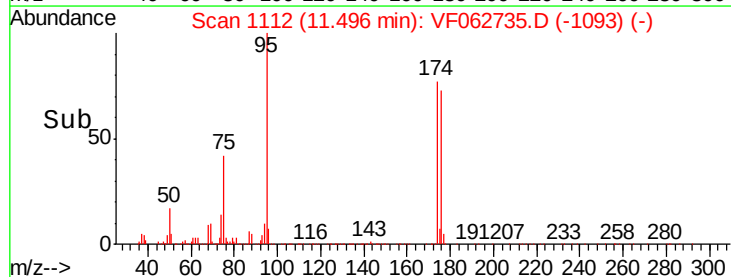
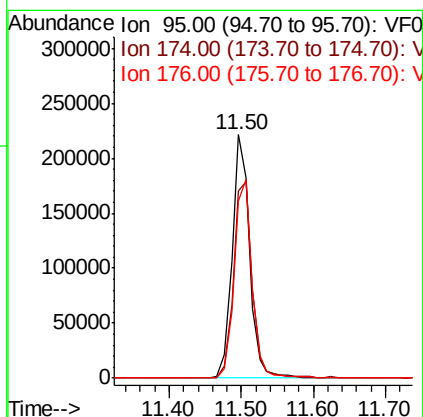
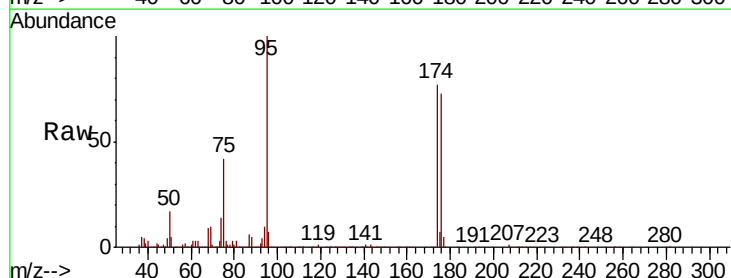
Instrument :
MSVOA_F
ClientSampleId :
FESB-26(2.5-3)

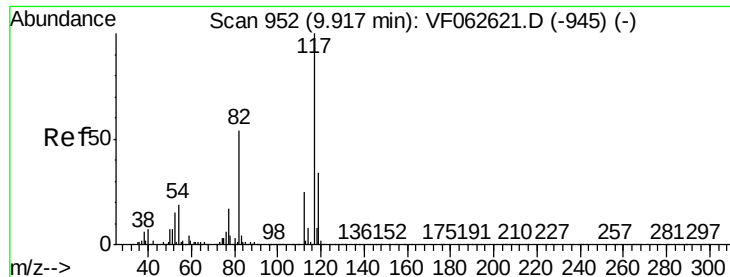
Tot Ion: 43 Resp: 7076
Ion Ratio Lower Upper
43 100
58 51.0 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 38.670 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion: 95 Resp: 374667
Ion Ratio Lower Upper
95 100
174 76.9 0.0 185.6
176 72.8 0.0 182.4

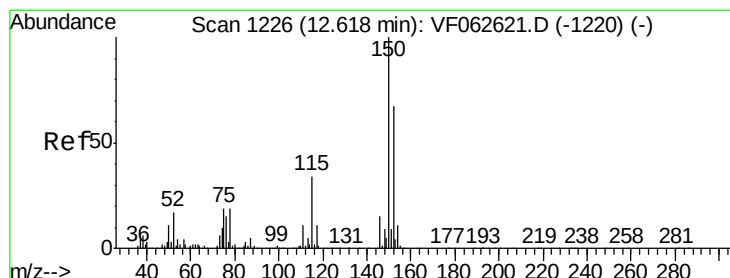
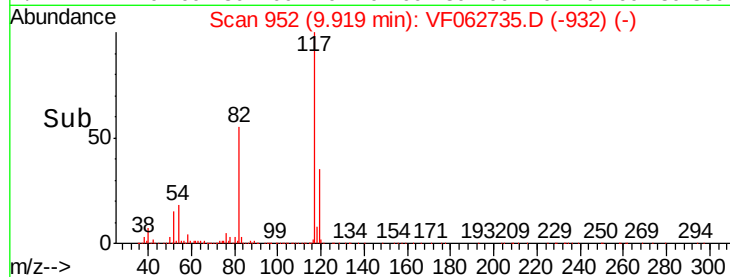
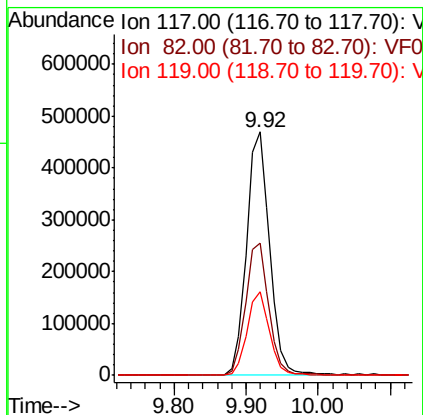
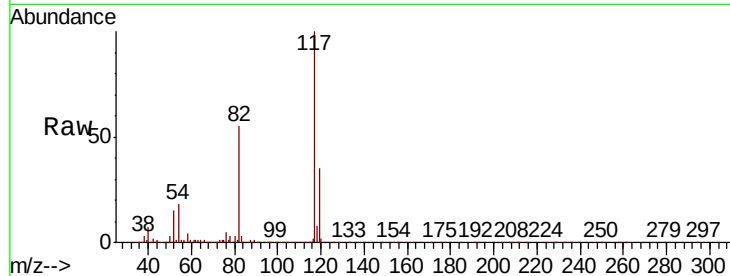




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

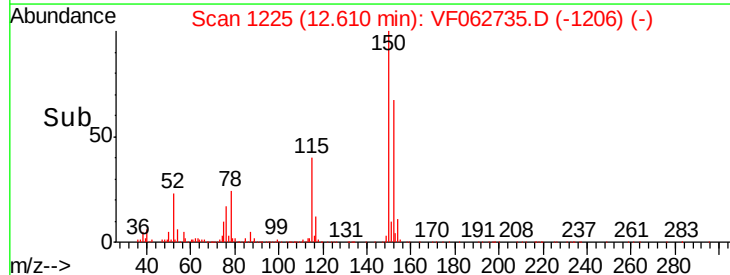
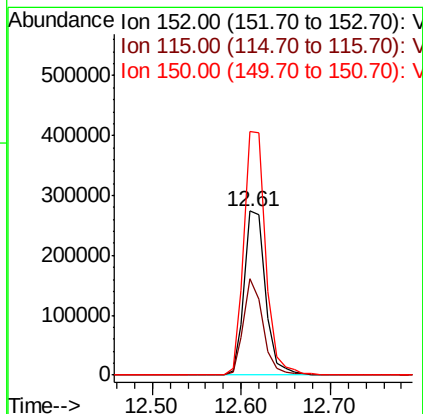
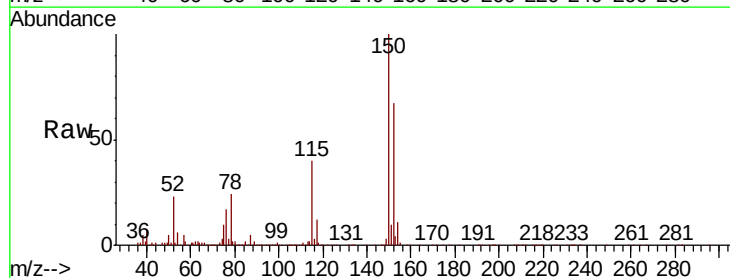
Instrument :
MSVOA_F
ClientSampleId :
FESB-26(2.5-3)

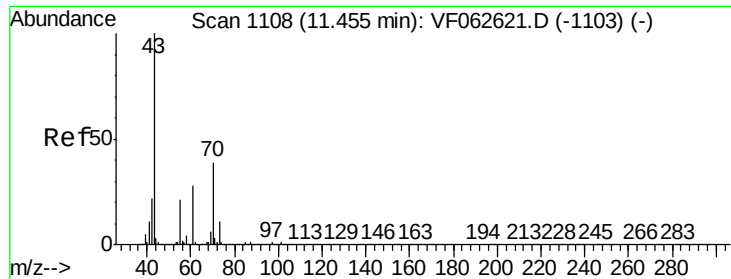
Tot Ion:117 Resp: 1055787
Ion Ratio Lower Upper
117 100
82 54.5 43.3 64.9
119 34.5 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062735.D
Acq: 23 May 2019 19:06

Tgt Ion:152 Resp: 455046
Ion Ratio Lower Upper
152 100
115 58.8 25.2 75.6
150 148.7 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Instrument :

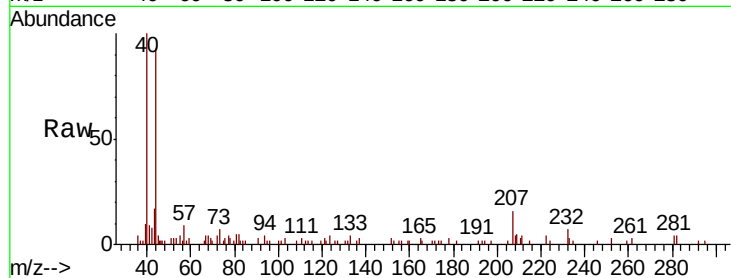
MSVOA_F

ClientSampleId :

FESB-26(2.5-3)

Tot Ion: 43 Resp: 2349

Ion	Ratio	Lower	Upper
43	100		
70	13.0	30.9	46.3#
55	22.1	17.0	25.4
61	0.0	22.6	34.0#



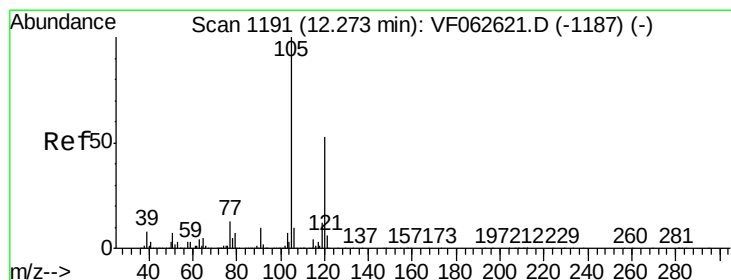
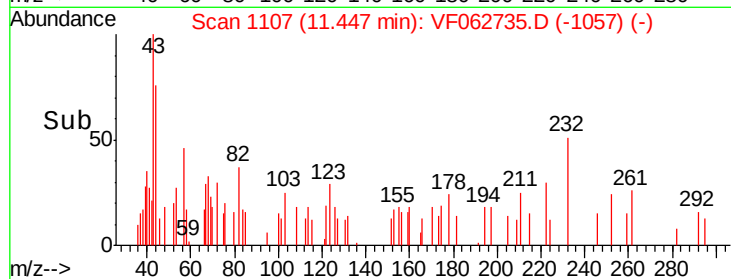
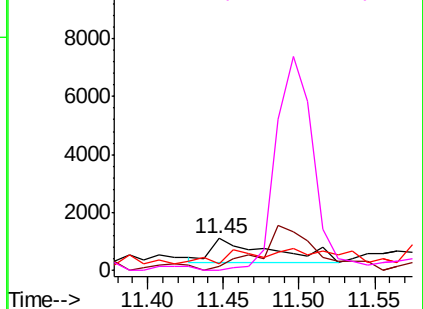
Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#84

1,2,4-Trimethylbenzene

Concen: 1.114 ug/l

RT: 12.27 min Scan# 1191

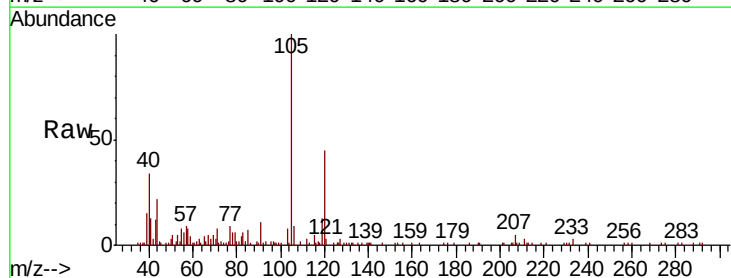
Delta R.T. 0.00 min

Lab File: VF062735.D

Acq: 23 May 2019 19:06

Tgt Ion: 105 Resp: 28201

Ion	Ratio	Lower	Upper
105	100		
120	45.5	26.7	80.1



Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

