

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062152.D
 Acq On : 26 Mar 2019 18:10
 Operator : VA/AP
 Sample : K2081-20
 Misc : 6.70µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(27)

Quant Time: Mar 27 05:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	219175	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	336970	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	263836	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.53	152	146198	50.00	ug/l	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	57334	35.17	ug/l	-0.05
Spiked Amount			Recovery	=	70.34%	
35) Dibromofluoromethane	4.10	113	87332	38.31	ug/l	-0.05
Spiked Amount			Recovery	=	76.62%	
50) Toluene-d8	7.54	98	229768	33.77	ug/l	-0.05
Spiked Amount			Recovery	=	67.54%	
62) 4-Bromofluorobenzene	11.40	95	93968	35.77	ug/l	-0.04
Spiked Amount			Recovery	=	71.54%	

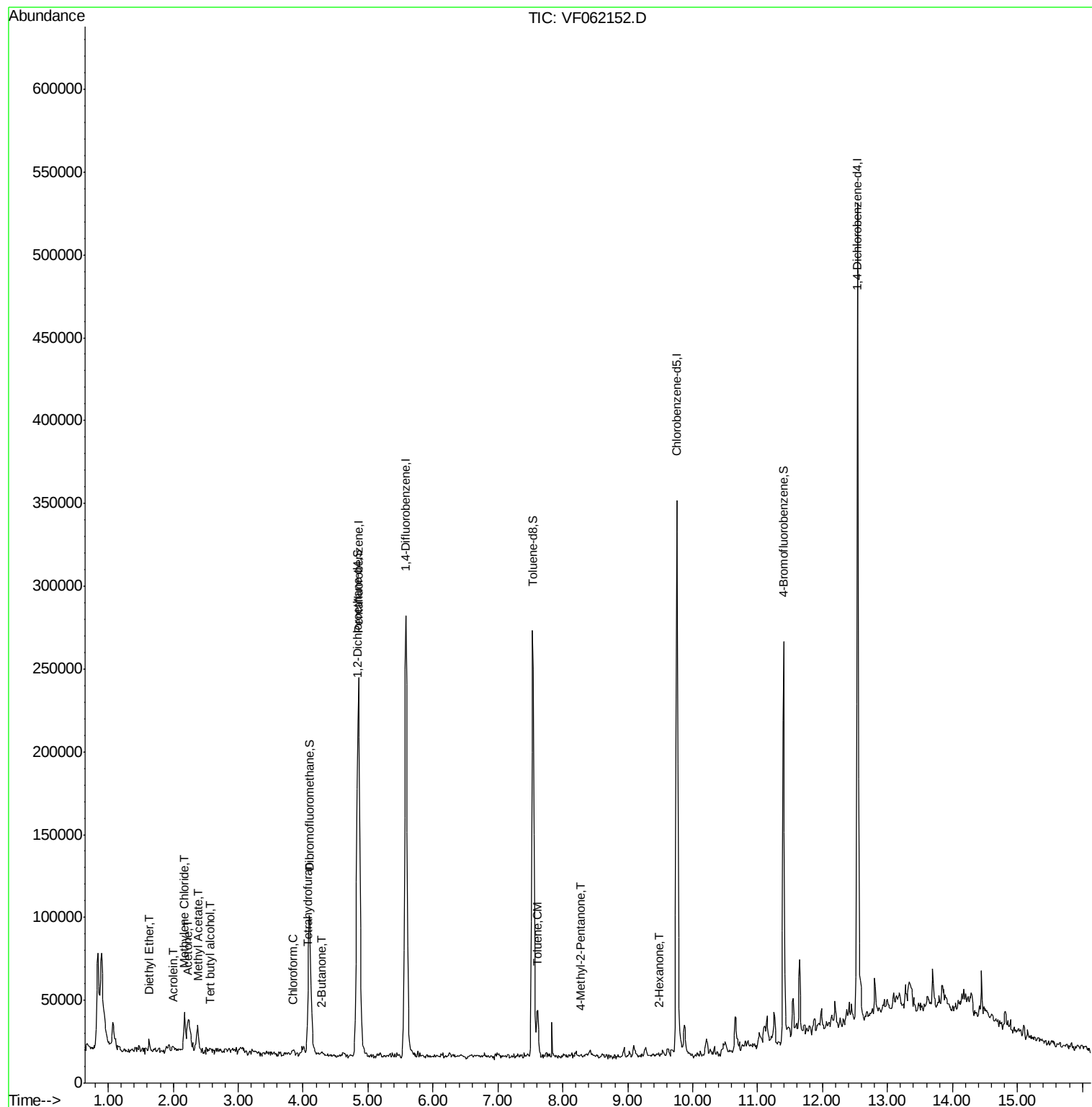
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1935	2.581	ug/l	91
11) Tert butyl alcohol	2.58	59	170	1.895	ug/l #	1
13) Acrolein	1.99	56	490	4.543	ug/l	88
16) Acetone	2.23	43	10770	31.389	ug/l	95
18) Methyl Acetate	2.37	43	6746	8.242	ug/l #	56
20) Methylene Chloride	2.17	84	10582	2.049	ug/l	93
25) 2-Butanone	4.29	43	1002	1.399	ug/l #	55
29) Tetrahydrofuran	4.06	42	324	1.040	ug/l #	48
30) Chloroform	3.85	83	4401	1.174	ug/l #	78
51) 4-Methyl-2-Pentanone	8.26	43	1370	1.205	ug/l #	33
52) Toluene	7.60	92	15149	3.040	ug/l	85
59) 2-Hexanone	9.48	43	958	1.150	ug/l	70

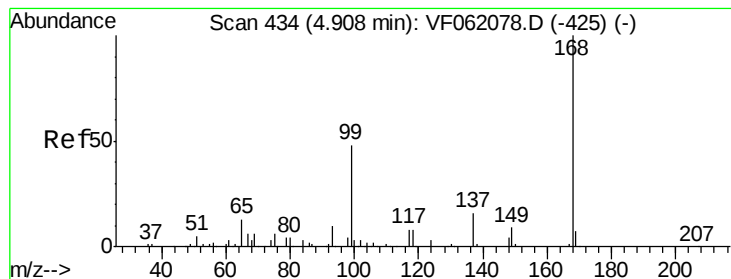
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

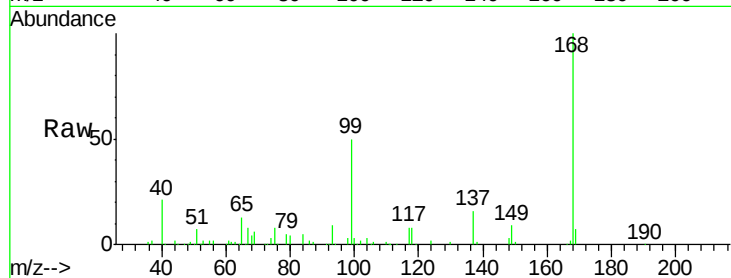
S3B(27)

Tot Ion:168 Resp: 219175

Ion Ratio Lower Upper

168 100

99 49.9 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

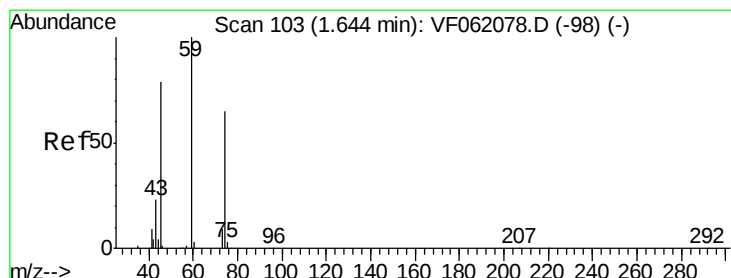
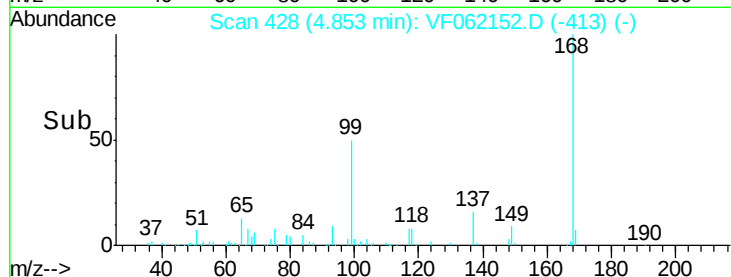
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.581 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062152.D

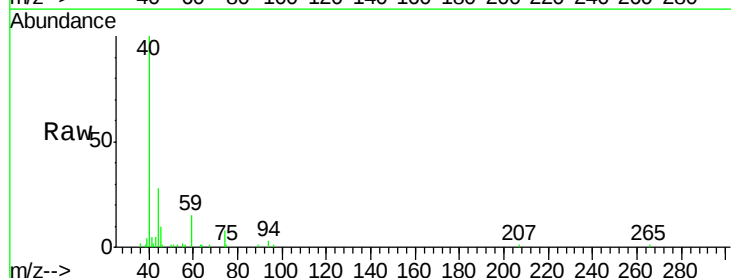
Acq: 26 Mar 2019 18:10

Tgt Ion: 74 Resp: 1935

Ion Ratio Lower Upper

74 100

45 132.5 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

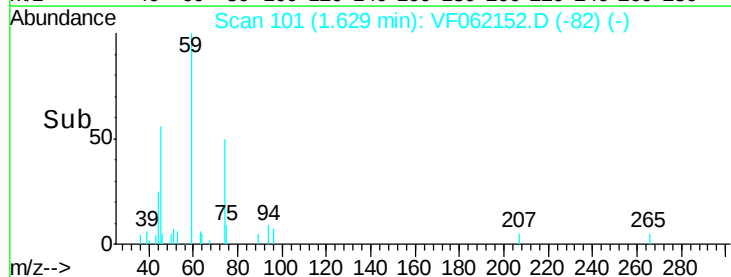
1500

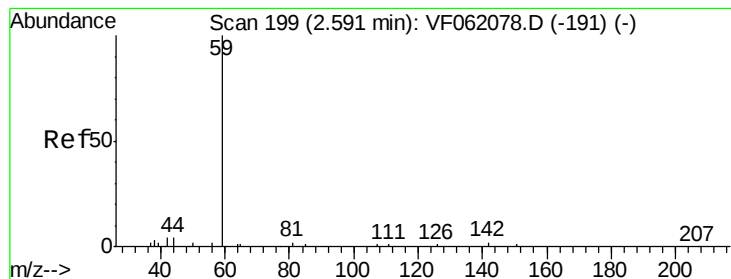
1000

500

0

Time-->



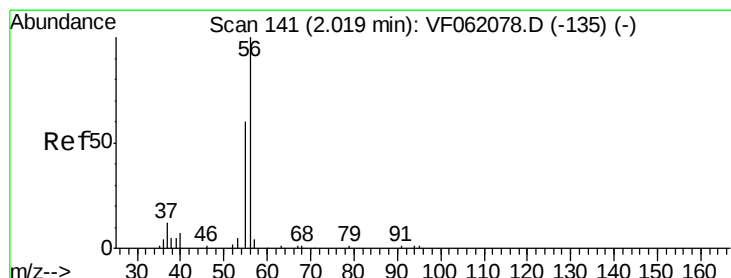
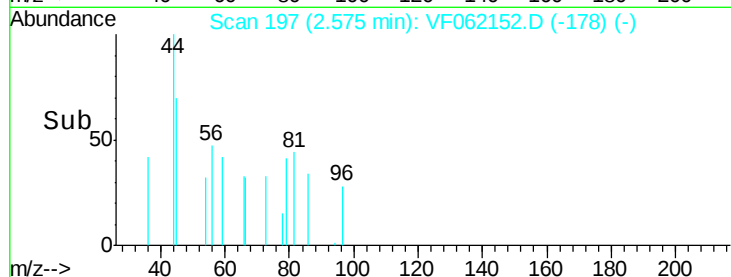
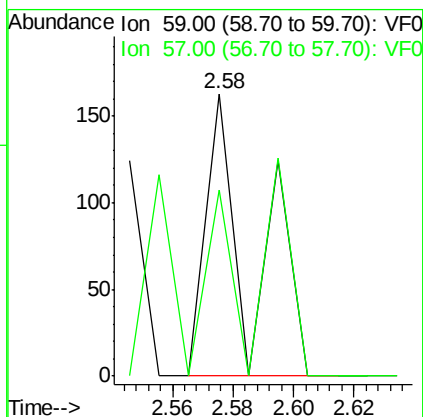
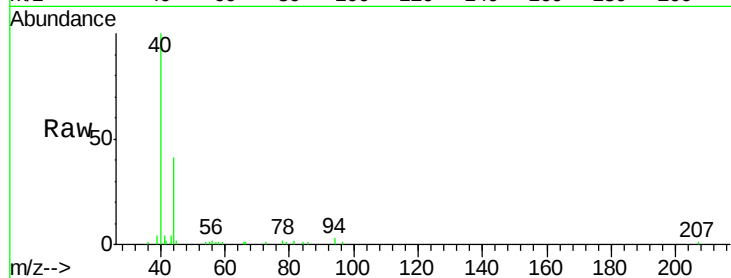


#11

Tert butyl alcohol
 Concen: 1.895 ug/l
 RT: 2.58 min Scan# 197
 Delta R.T. -0.02 min
 Lab File: VF062152.D
 Acq: 26 Mar 2019 18:10

Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(27)

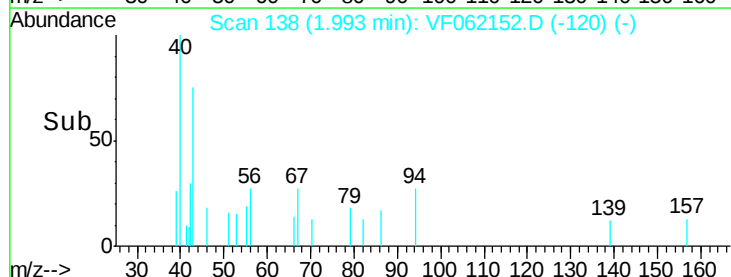
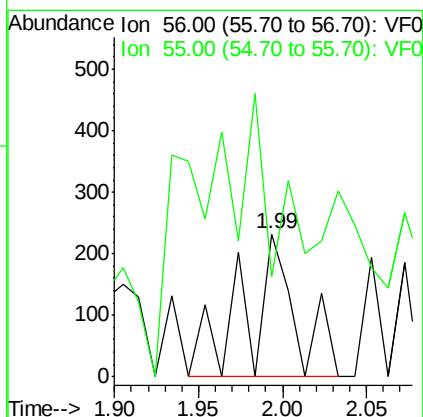
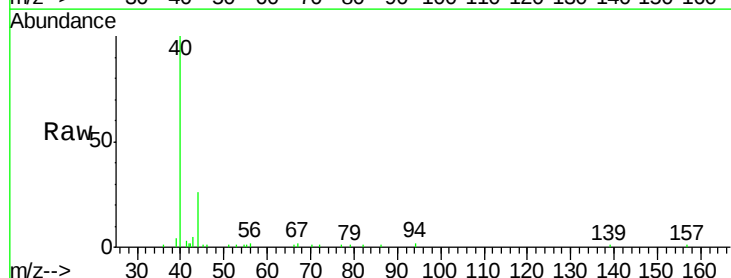
Tot Ion: 59 Resp: 170
 Ion Ratio Lower Upper
 59 100
 57 65.6 11.0 16.4#

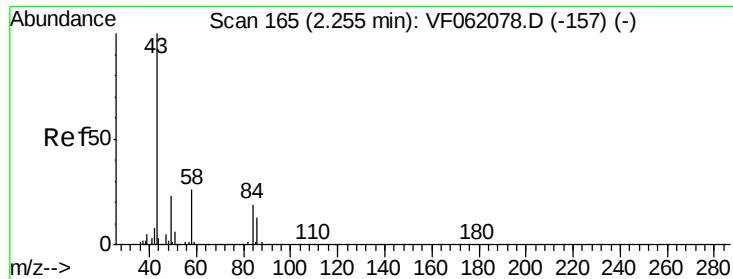


#13

Acrolein
 Concen: 4.543 ug/l
 RT: 1.99 min Scan# 138
 Delta R.T. -0.03 min
 Lab File: VF062152.D
 Acq: 26 Mar 2019 18:10

Tgt Ion: 56 Resp: 490
 Ion Ratio Lower Upper
 56 100
 55 70.3 49.0 73.4





#16

Acetone

Concen: 31.389 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

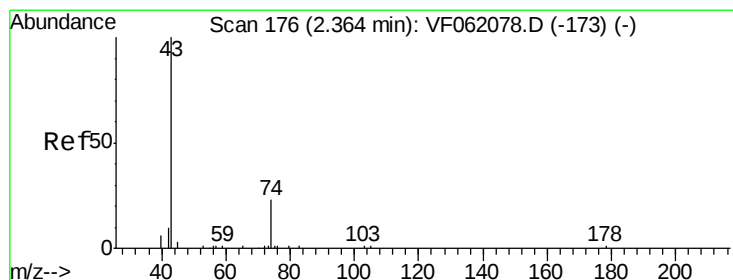
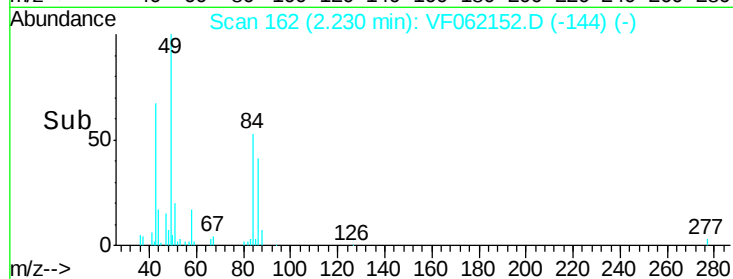
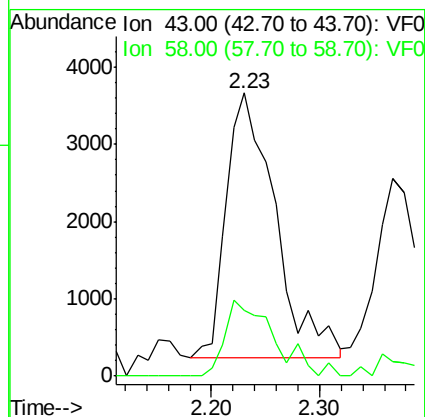
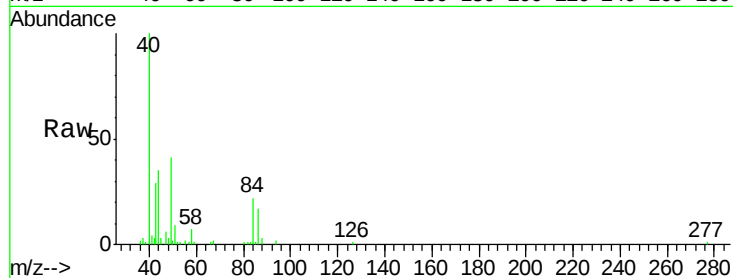
S3B(27)

Tot Ion: 43 Resp: 10770

Ion Ratio Lower Upper

43 100

58 23.4 20.8 31.2



#18

Methyl Acetate

Concen: 8.242 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF062152.D

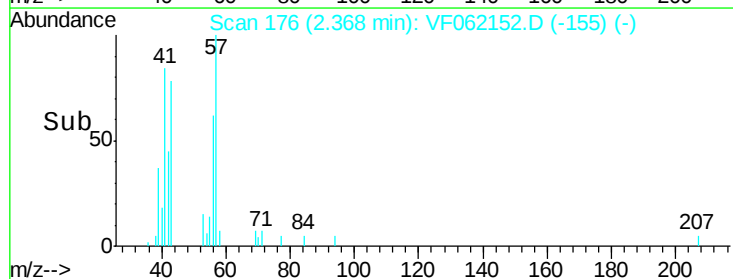
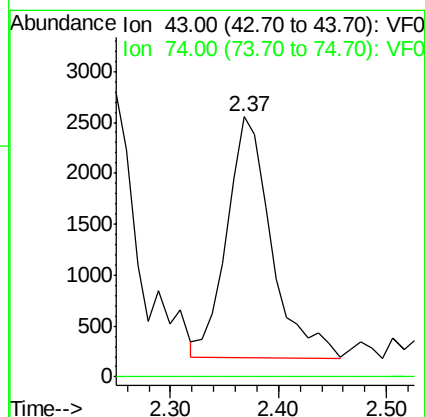
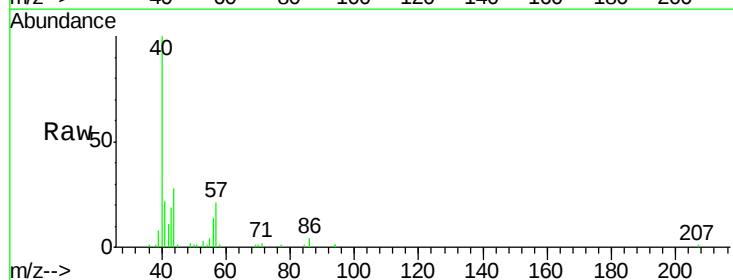
Acq: 26 Mar 2019 18:10

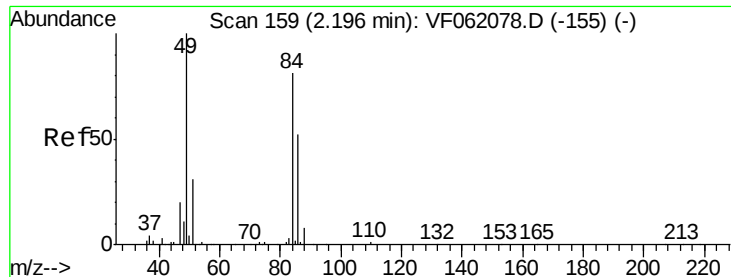
Tgt Ion: 43 Resp: 6746

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#

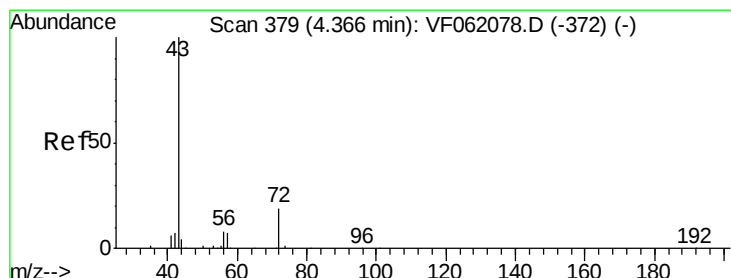
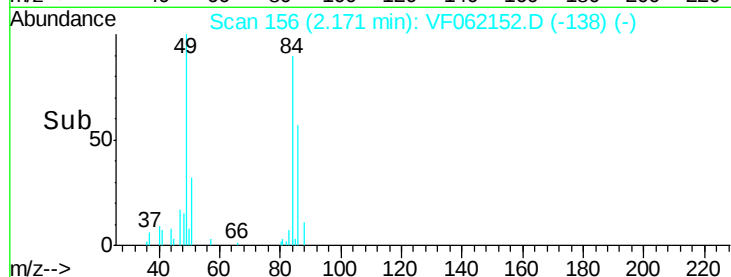
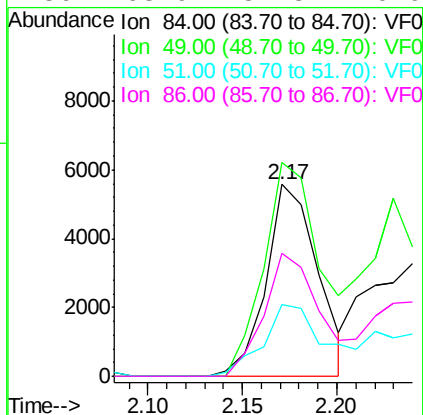
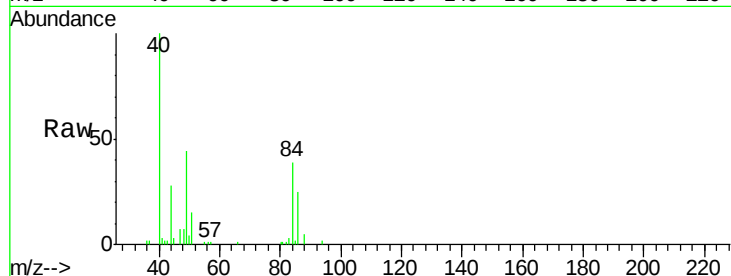




#20
Methvlene Chloride
Concen: 2.049 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.03 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

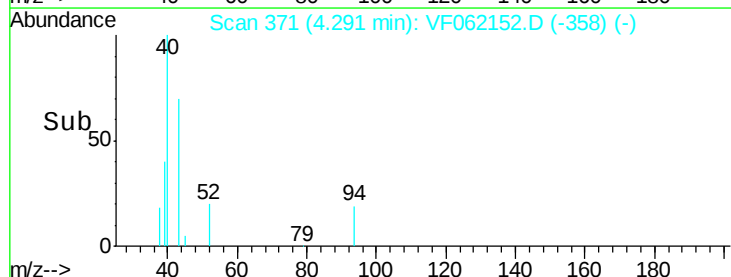
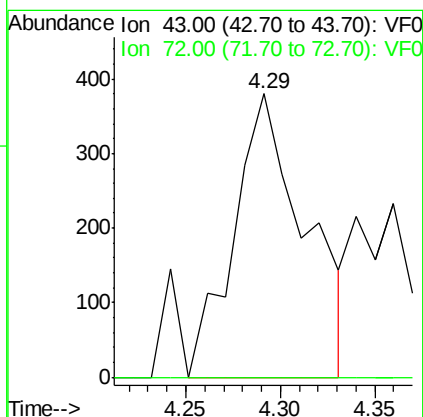
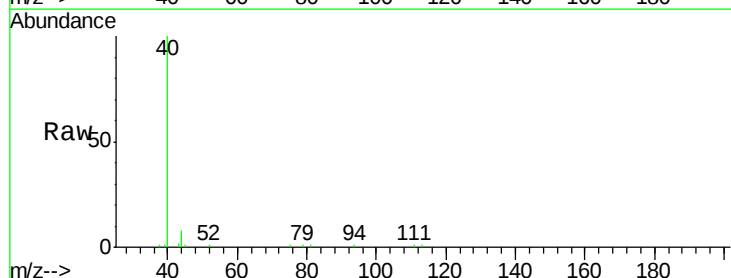
Instrument :
MSVOA_F
ClientSampleId :
S3B(27)

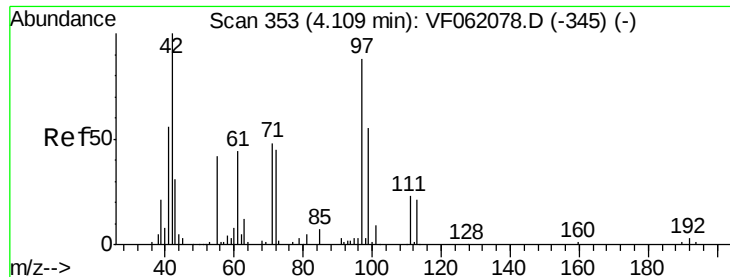
Tot Ion:	84	Resp:	10582
Ion	Ratio	Lower	Upper
84	100		
49	111.5	100.4	150.6
51	37.7	31.0	46.6
86	63.9	51.3	76.9



#25
2-Butanone
Concen: 1.399 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.07 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

Tgt Ion:	43	Resp:	1002
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#





#29

Tetrahydrofuran

Concen: 1.040 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

S3B(27)

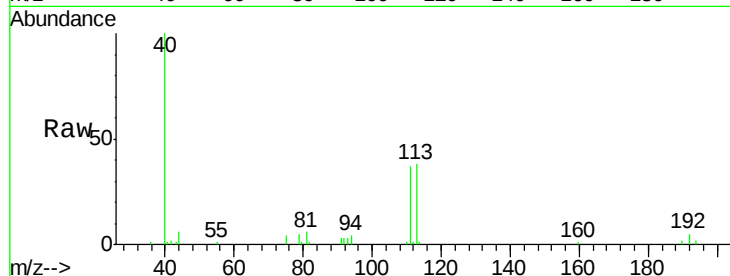
Tot Ion: 42 Resp: 324

Ion Ratio Lower Upper

42 100

72 0.0 33.3 49.9#

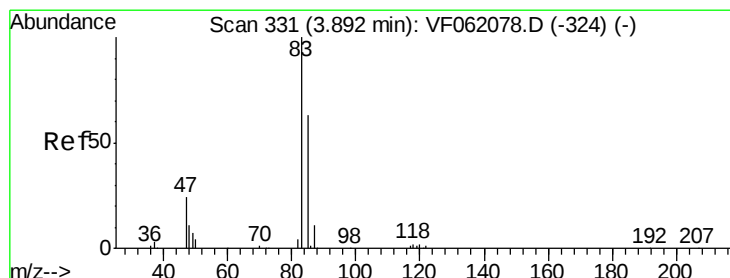
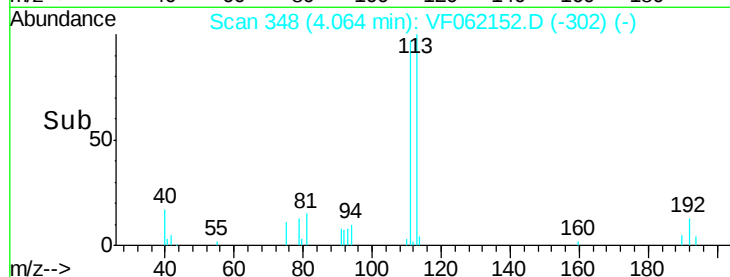
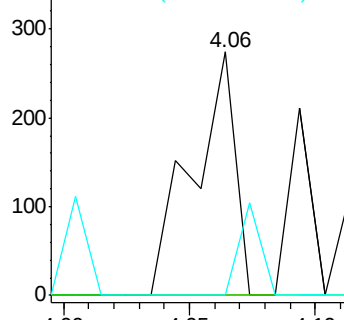
71 19.1 35.0 52.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 1.174 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF062152.D

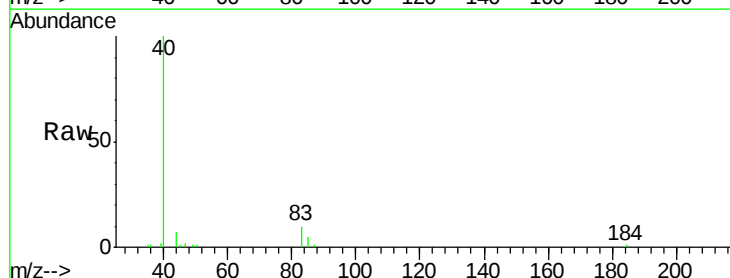
Acq: 26 Mar 2019 18:10

Tgt Ion: 83 Resp: 4401

Ion Ratio Lower Upper

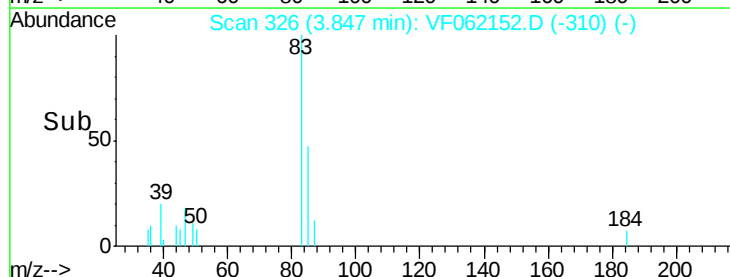
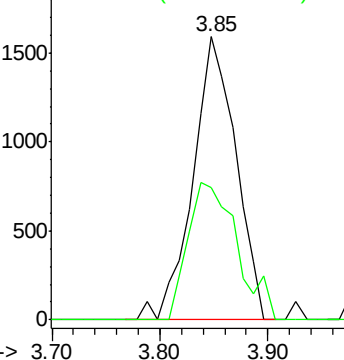
83 100

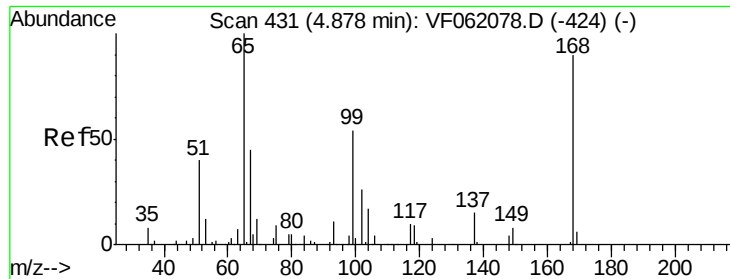
85 46.8 51.5 77.3#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 35.169 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

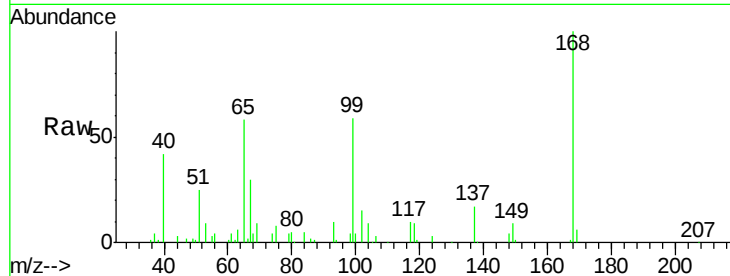
S3B(27)

Tot Ion: 65 Resp: 57334

Ion Ratio Lower Upper

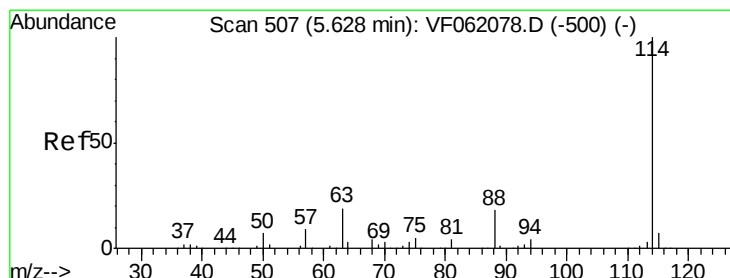
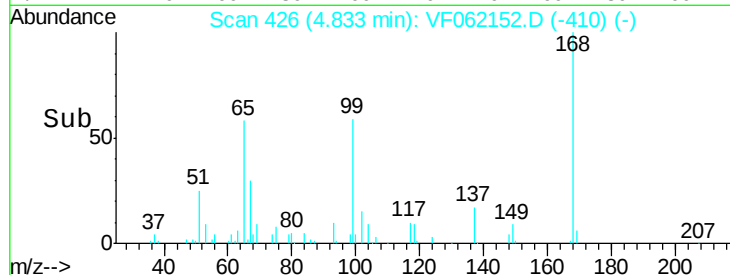
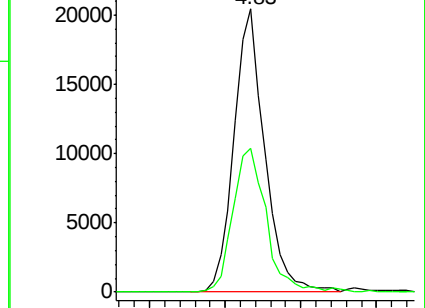
65 100

67 50.8 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

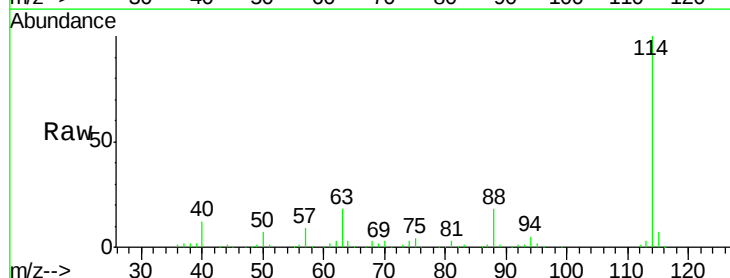
Tgt Ion:114 Resp: 336970

Ion Ratio Lower Upper

114 100

63 18.0 0.0 37.8

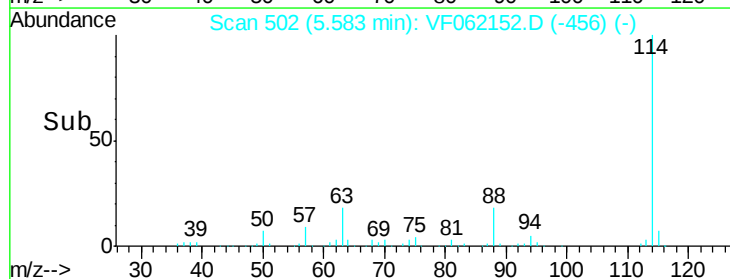
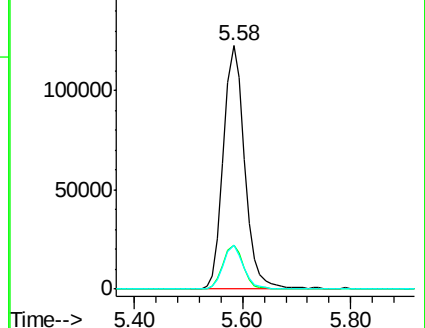
88 18.2 0.0 36.4

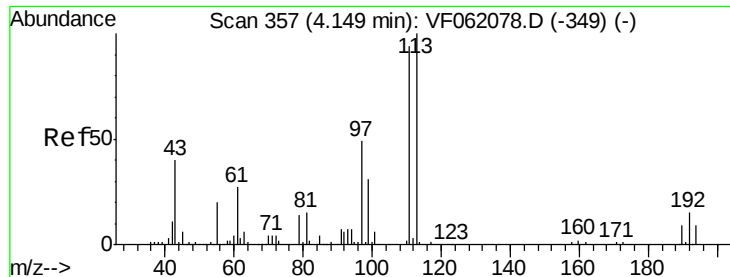


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

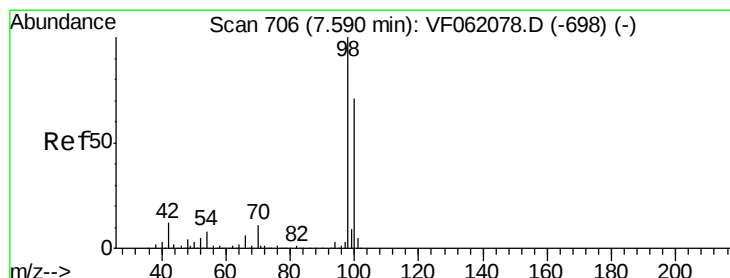
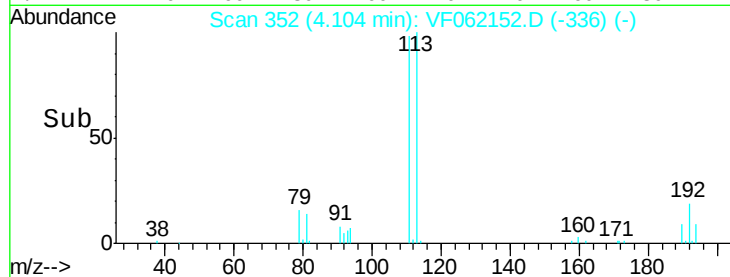
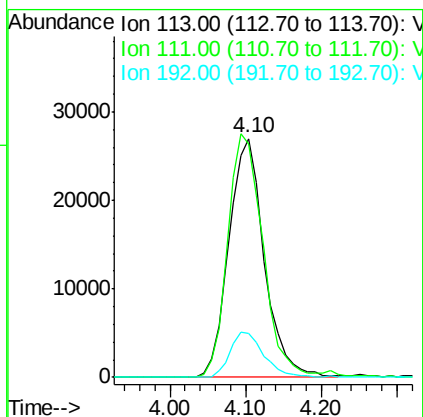
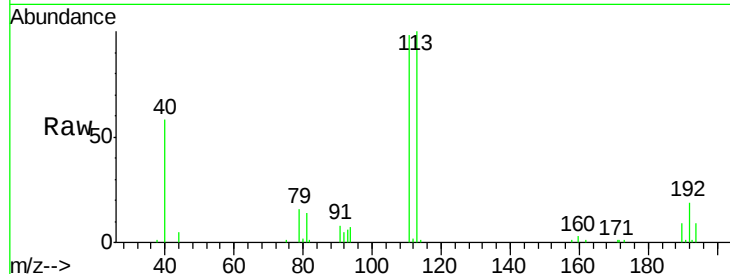




#35
 Dibromofluoromethane
 Concen: 38.312 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF062152.D
 Acq: 26 Mar 2019 18:10

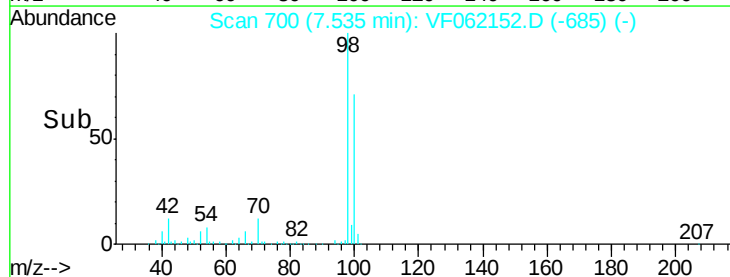
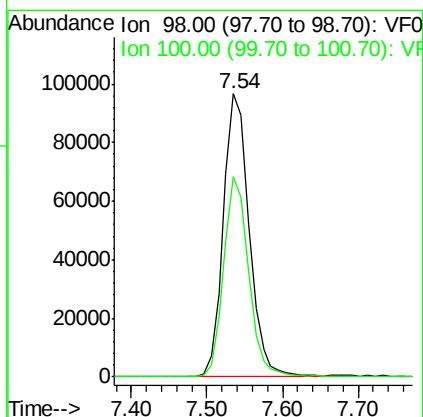
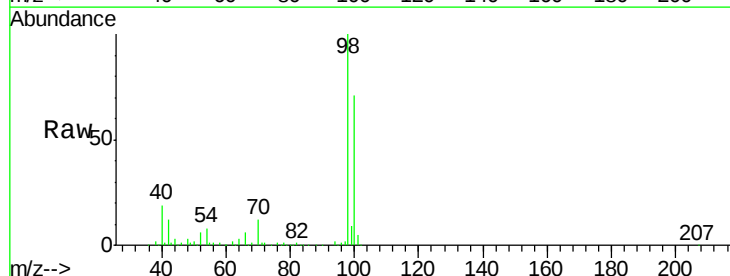
Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(27)

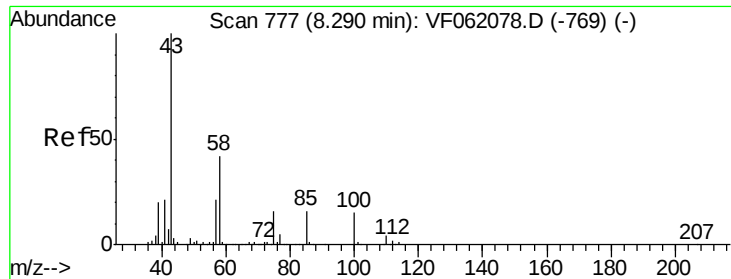
Tot Ion:113 Resp: 87332
 Ion Ratio Lower Upper
 113 100
 111 97.6 75.4 113.0
 192 19.3 12.3 18.5#



#50
 Toluene-d8
 Concen: 33.768 ug/l
 RT: 7.54 min Scan# 700
 Delta R.T. -0.05 min
 Lab File: VF062152.D
 Acq: 26 Mar 2019 18:10

Tgt Ion: 98 Resp: 229768
 Ion Ratio Lower Upper
 98 100
 100 70.8 57.0 85.6





#51

4-Methyl-2-Pentanone

Concen: 1.205 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF062152.D

Acq: 26 Mar 2019 18:10

Instrument :

MSVOA_F

ClientSampleId :

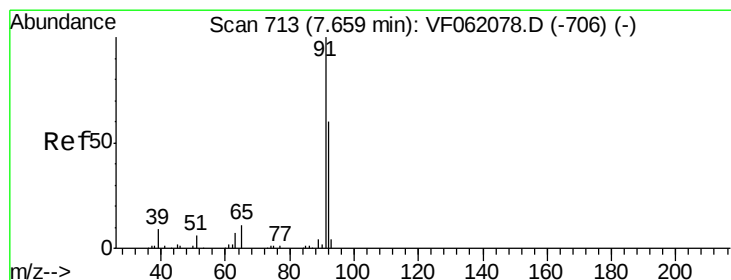
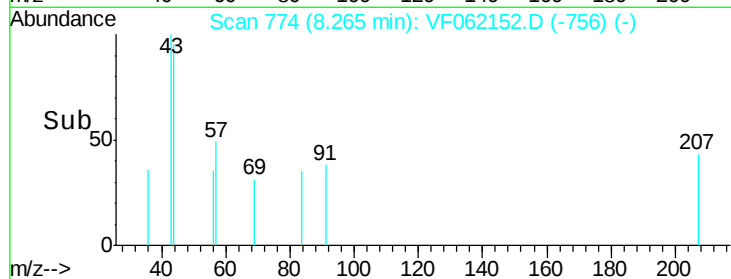
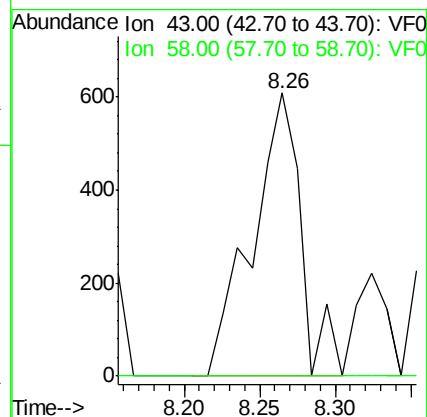
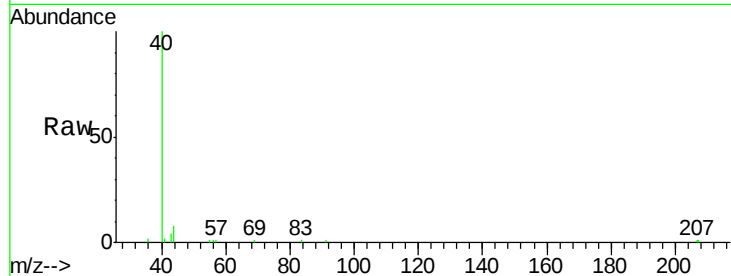
S3B(27)

Tot Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

58 0.0 33.8 50.8#



#52

Toluene

Concen: 3.040 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.05 min

Lab File: VF062152.D

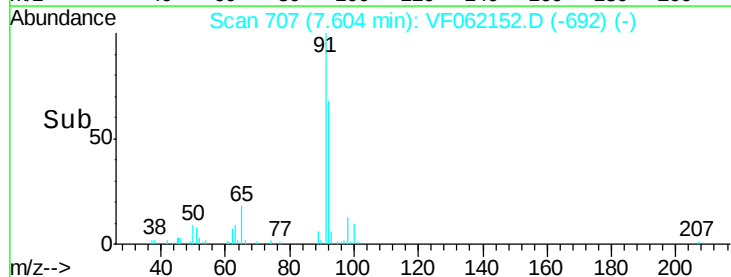
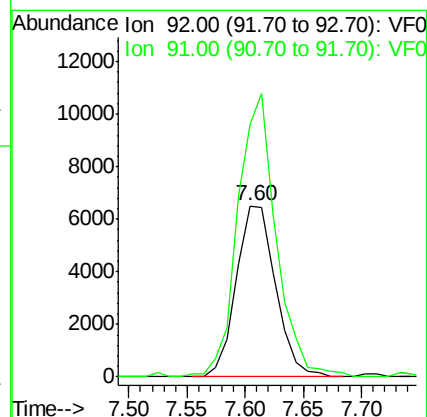
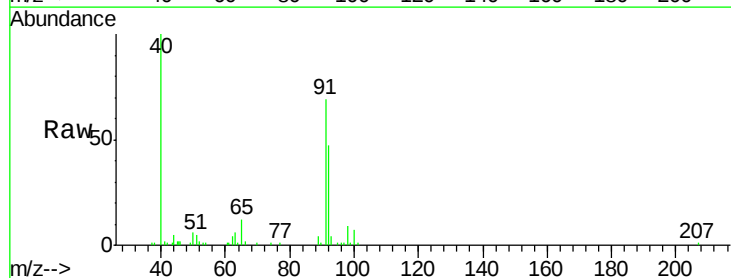
Acq: 26 Mar 2019 18:10

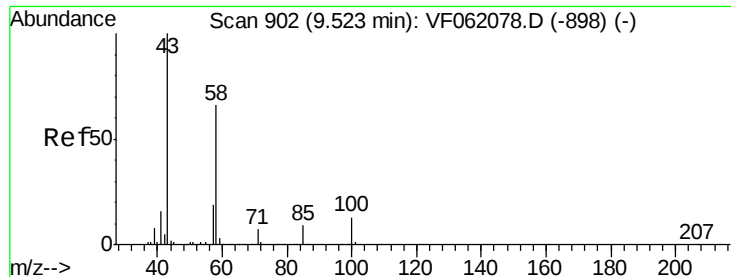
Tgt Ion: 92 Resp: 15149

Ion Ratio Lower Upper

92 100

91 147.6 134.1 201.1

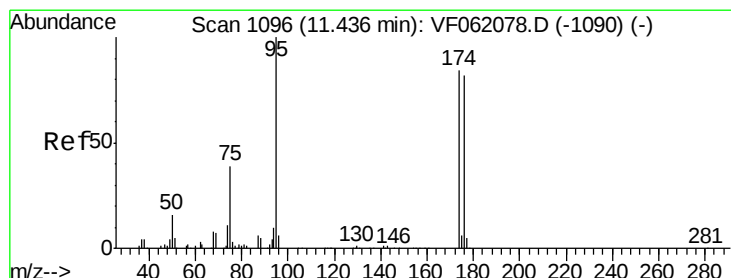
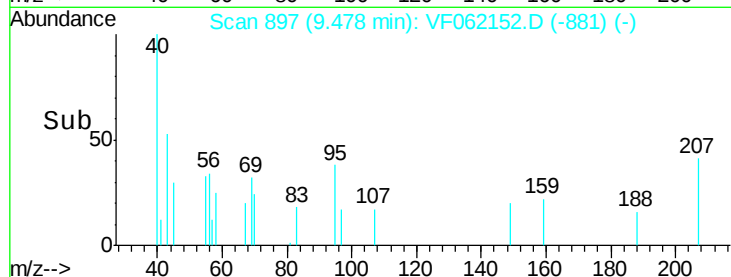
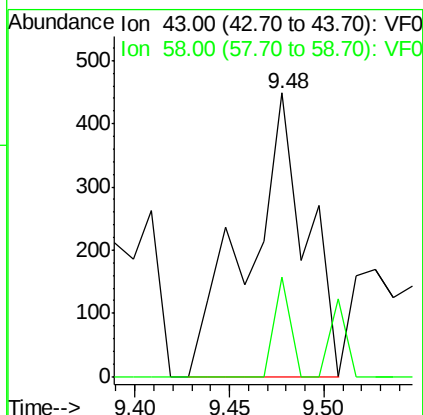
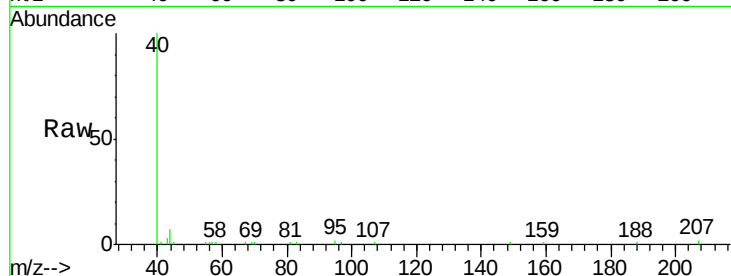




#59
2-Hexanone
Concen: 1.150 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

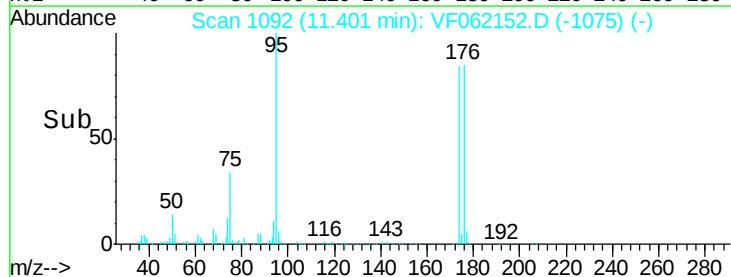
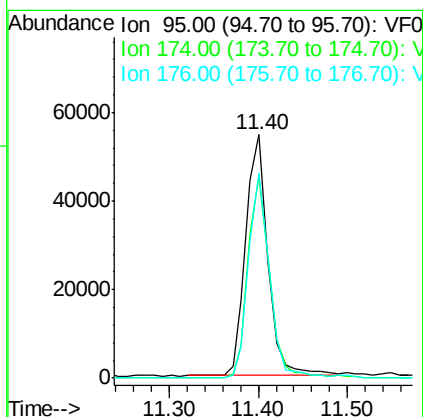
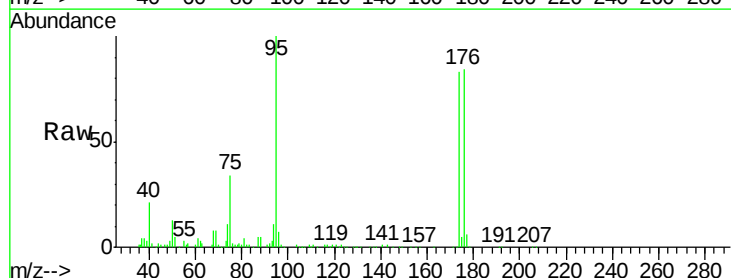
Instrument :
MSVOA_F
ClientSampled :
S3B(27)

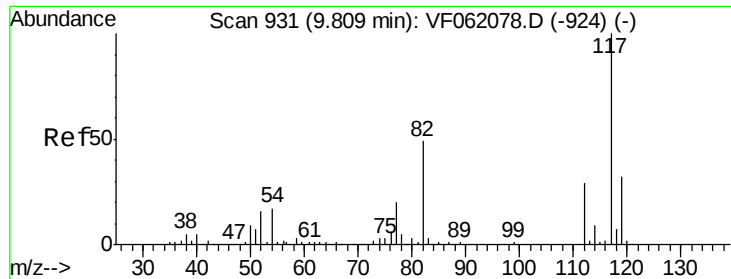
Tot Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 35.0 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 35.772 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

Tgt Ion: 95 Resp: 93968
Ion Ratio Lower Upper
95 100
174 82.8 0.0 168.2
176 84.4 0.0 164.2

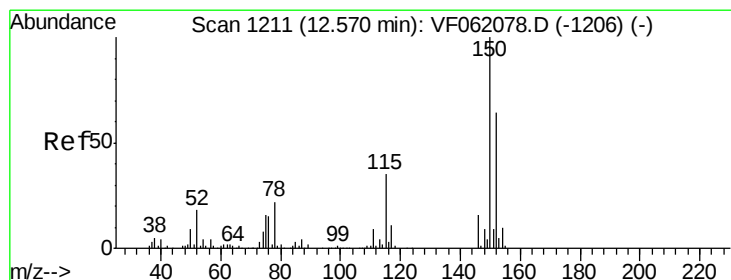
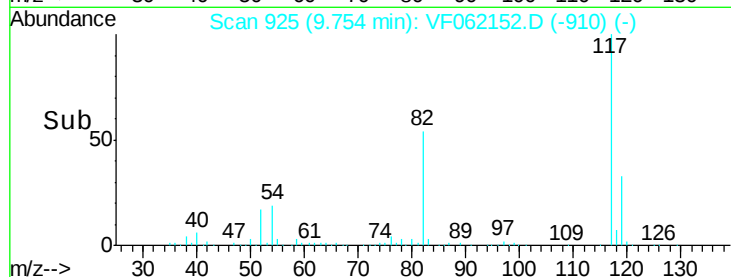
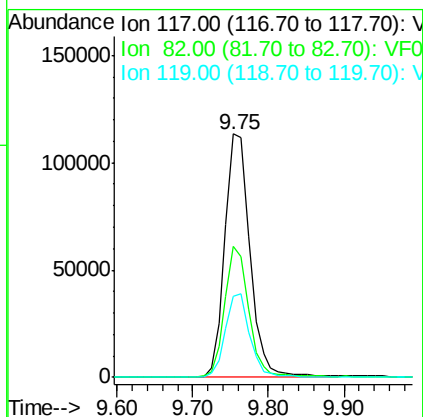
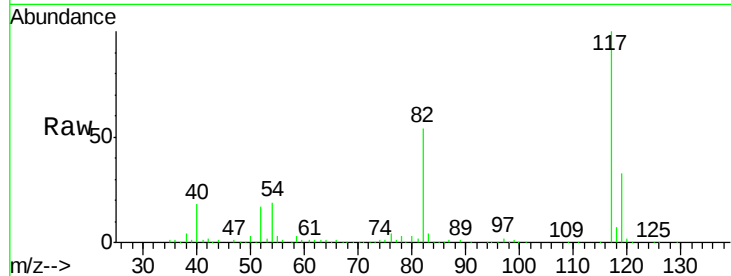




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.05 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

Instrument :
MSVOA_F
ClientSampled :
S3B(27)

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	39.2	58.8
119	33.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.04 min
Lab File: VF062152.D
Acq: 26 Mar 2019 18:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	27.7	83.1
150	154.1	0.0	313.2

