

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061750.D
 Acq On : 26 Feb 2019 19:27
 Operator : VA/AP
 Sample : K1627-04
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-02-(5-10)

Quant Time: Feb 27 04:08:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	282339	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	434455	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	315291	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	106145	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	100684	48.63	ug/l	-0.04
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	4.09	113	158563	49.15	ug/l	-0.03
Spiked Amount			Recovery	=	98.30%	
50) Toluene-d8	7.53	98	362050	39.04	ug/l	-0.03
Spiked Amount			Recovery	=	78.08%	
62) 4-Bromofluorobenzene	11.40	95	117451	31.30	ug/l	-0.02
Spiked Amount			Recovery	=	62.60%	

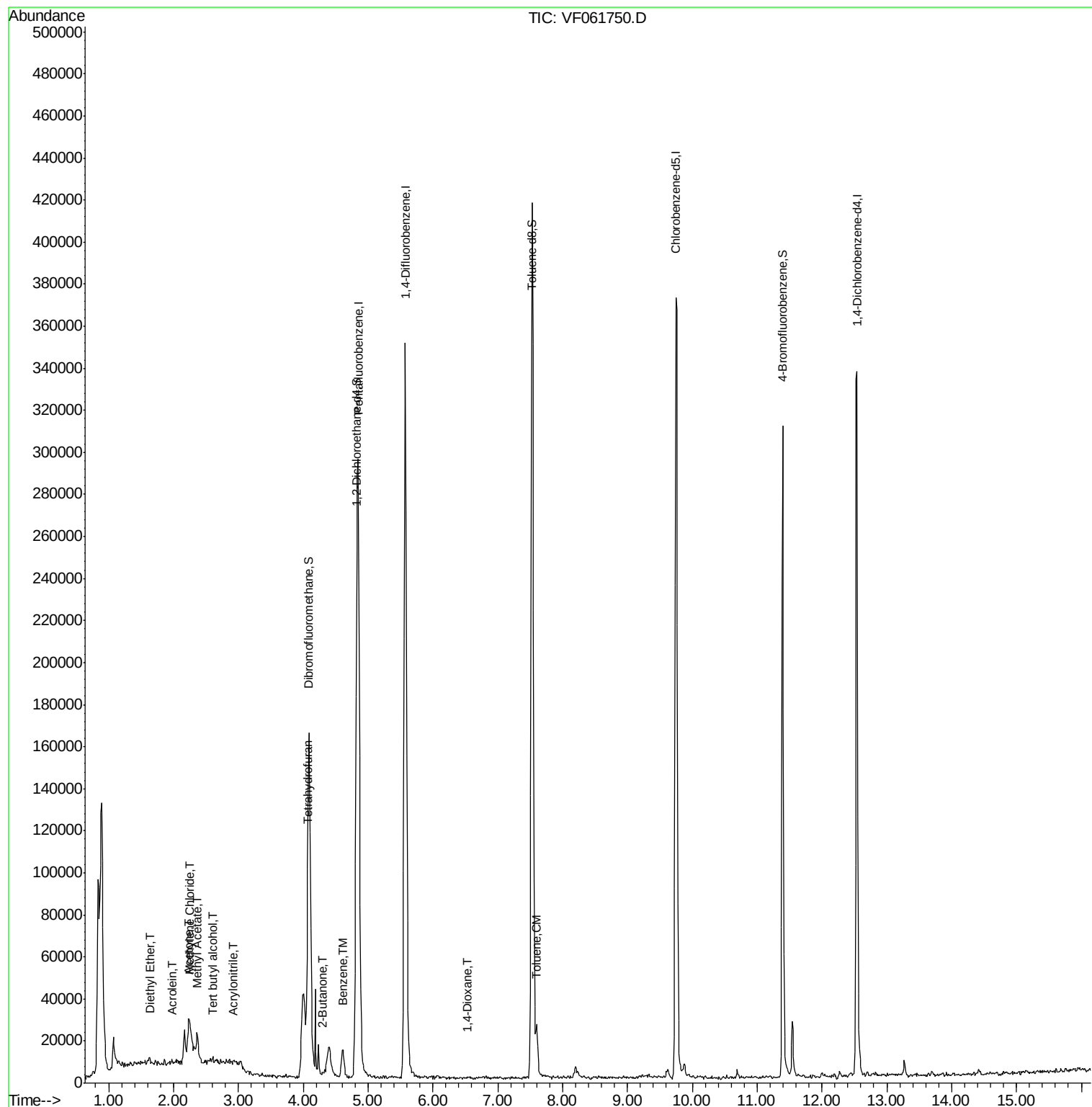
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1150	1.196	ug/l	90
11) Tert butyl alcohol	2.59	59	537	4.482	ug/l #	30
13) Acrolein	1.97	56	354	2.351	ug/l #	1
15) Acrylonitrile	2.92	53	551	1.296	ug/l #	68
16) Acetone	2.24	43	14849	33.427	ug/l #	87
18) Methyl Acetate	2.35	43	6891	6.886	ug/l #	59
20) Methylene Chloride	2.25	84	13525	3.329	ug/l	91
25) 2-Butanone	4.31	43	1398	1.441	ug/l #	55
29) Tetrahydrofuran	4.06	42	1731	3.925	ug/l #	80
40) Benzene	4.61	78	16864	1.498	ug/l	97
49) 1,4-Dioxane	6.53	88	65	4.856	ug/l #	1
52) Toluene	7.60	92	11893	1.742	ug/l	99

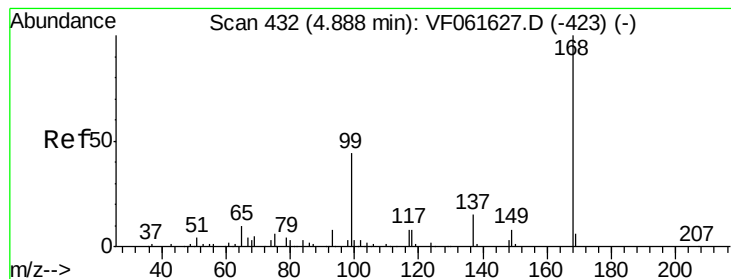
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

Instrument :

MSVOA_F

ClientSampleId :

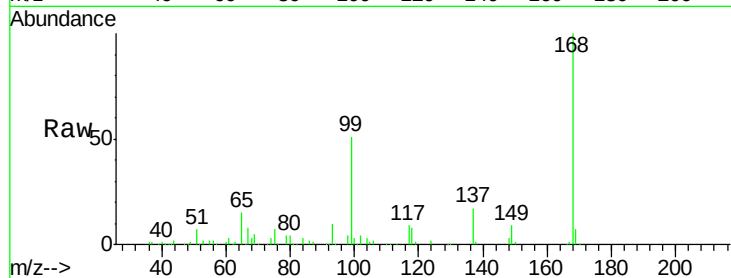
SB-02-(5-10)

Tot Ion:168 Resp: 282339

Ion Ratio Lower Upper

168 100

99 50.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

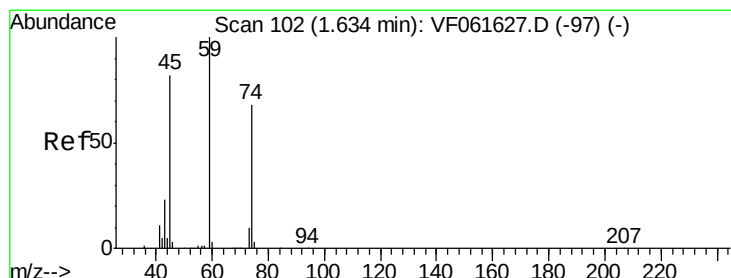
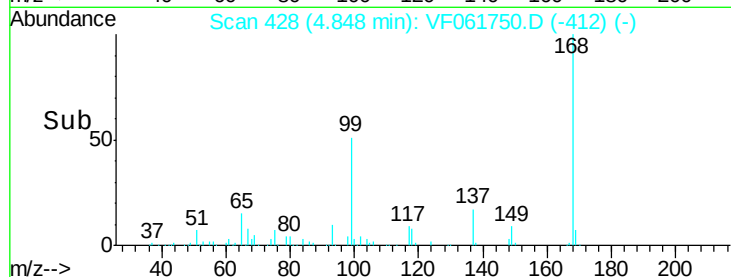
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.196 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061750.D

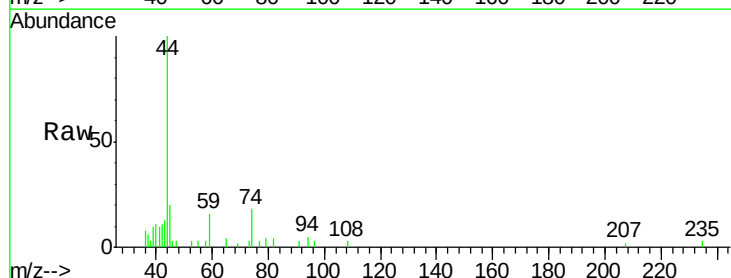
Acq: 26 Feb 2019 19:27

Tgt Ion: 74 Resp: 1150

Ion Ratio Lower Upper

74 100

45 110.6 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

1000

800

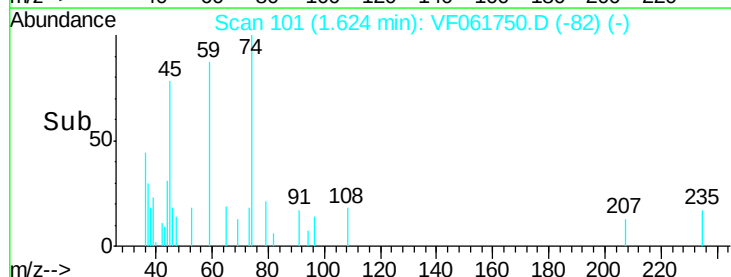
600

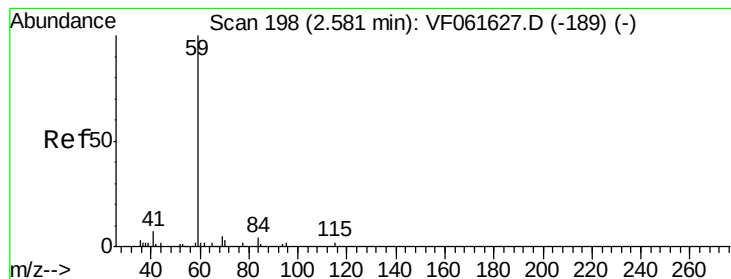
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 4.482 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

Instrument :

MSVOA_F

ClientSampleId :

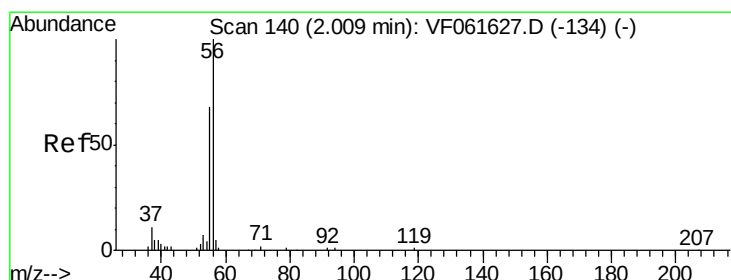
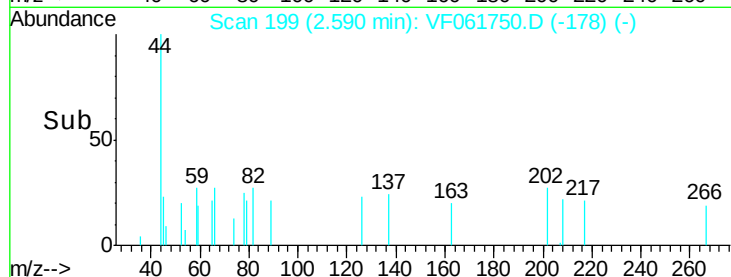
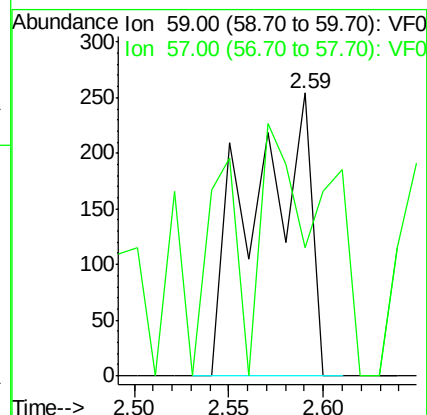
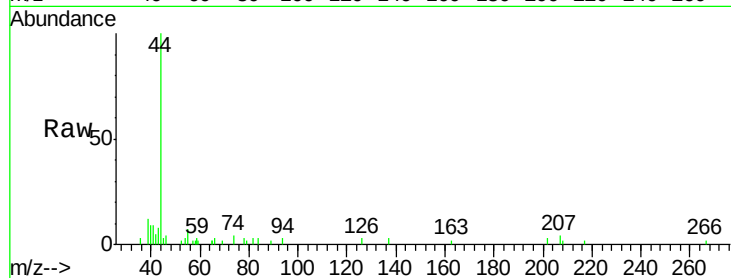
SB-02-(5-10)

Tot Ion: 59 Resp: 537

Ion Ratio Lower Upper

59 100

57 45.3 12.5 18.7#



#13

Acrolein

Concen: 2.351 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.04 min

Lab File: VF061750.D

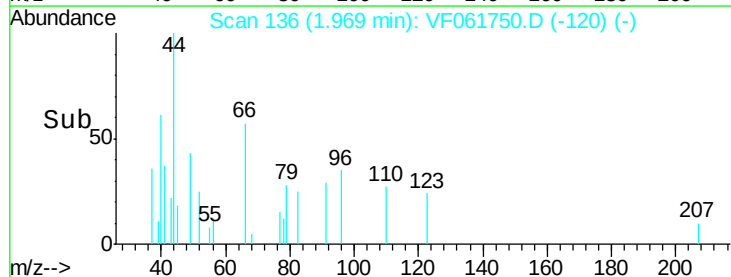
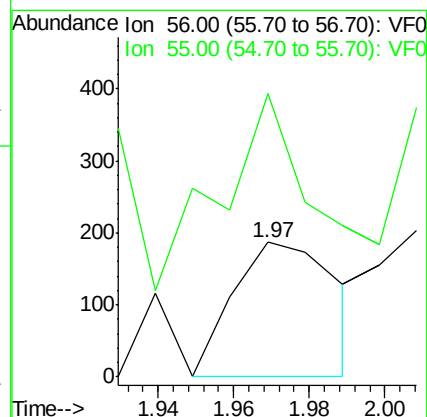
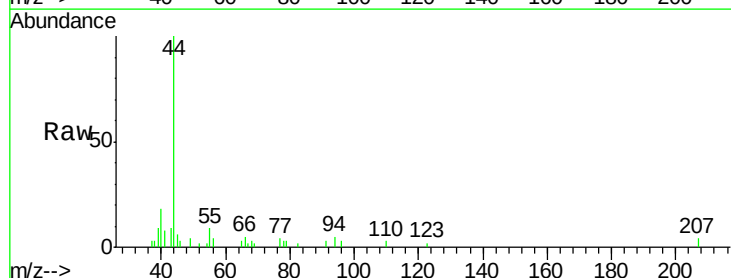
Acq: 26 Feb 2019 19:27

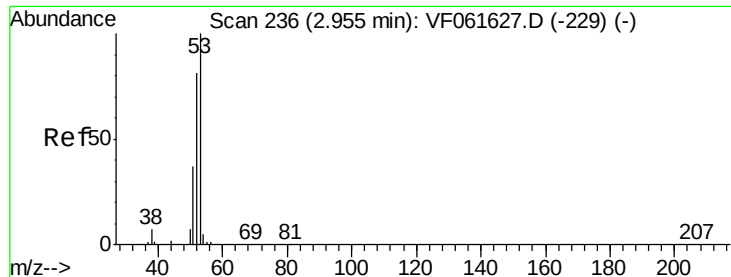
Tgt Ion: 56 Resp: 354

Ion Ratio Lower Upper

56 100

55 210.2 55.0 82.6#





#15

Acrylonitrile

Concen: 1.296 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

Instrument :

MSVOA_F

ClientSampled :

SB-02-(5-10)

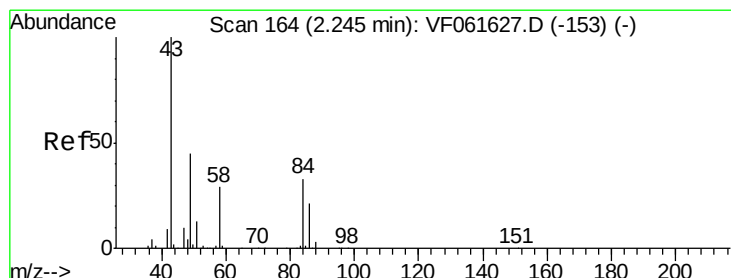
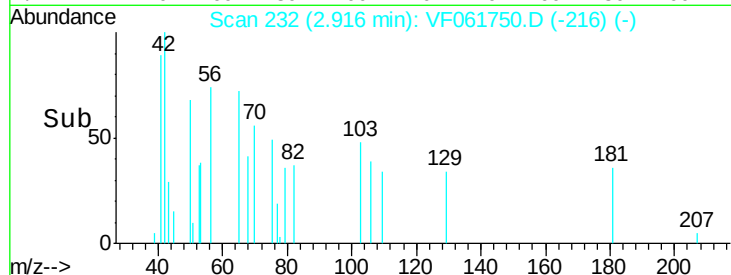
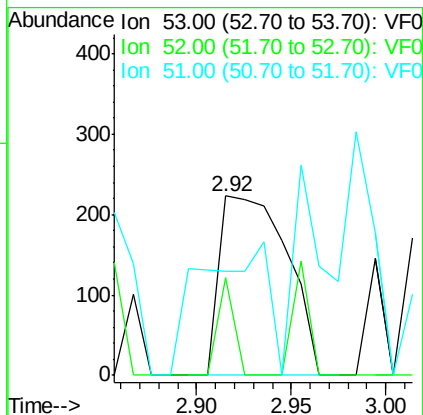
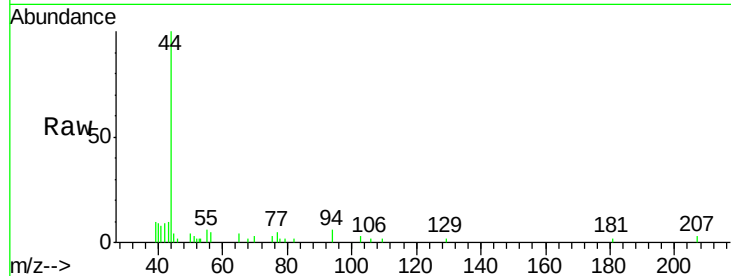
Tot Ion: 53 Resp: 551

Ion Ratio Lower Upper

53 100

52 54.3 64.6 97.0#

51 58.3 29.8 44.8#



#16

Acetone

Concen: 33.427 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061750.D

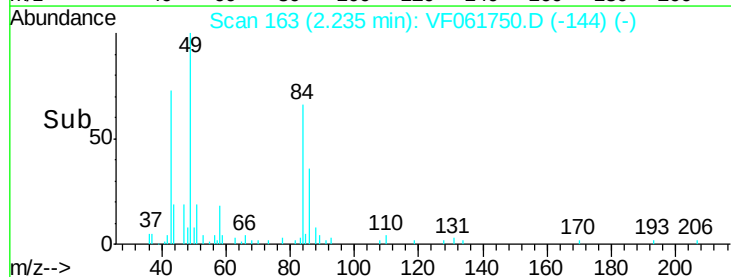
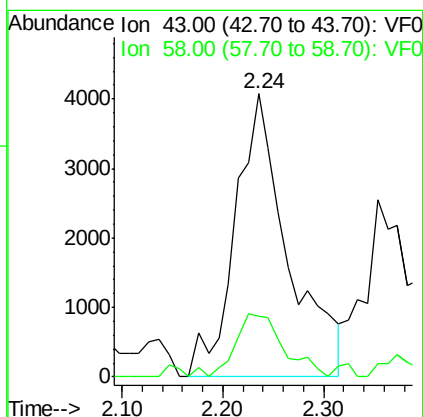
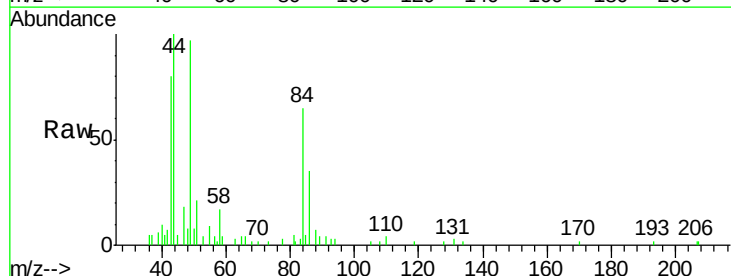
Acq: 26 Feb 2019 19:27

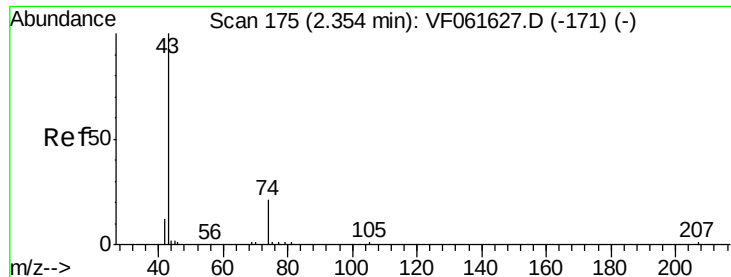
Tgt Ion: 43 Resp: 14849

Ion Ratio Lower Upper

43 100

58 21.5 22.9 34.3#

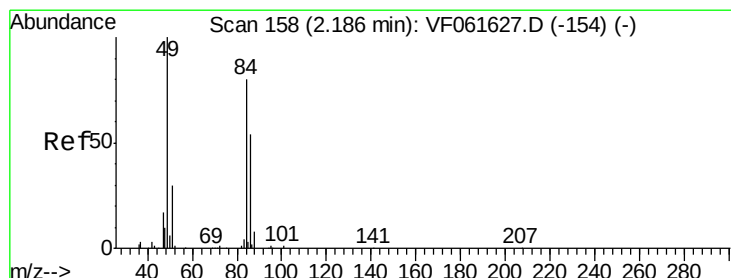
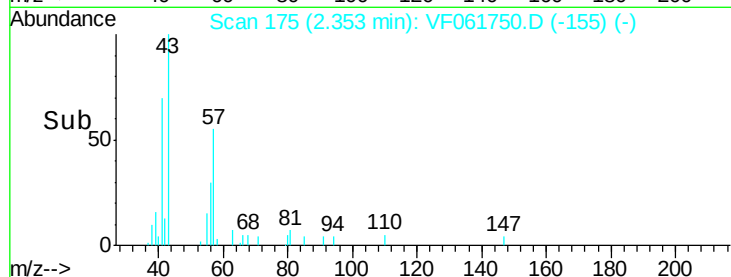
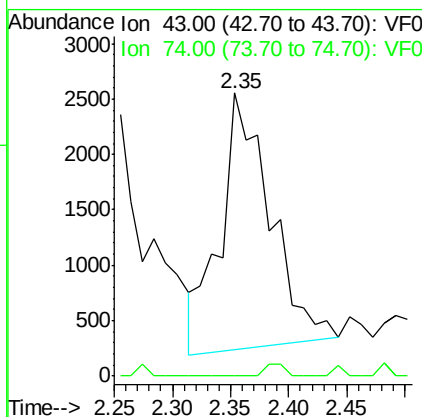
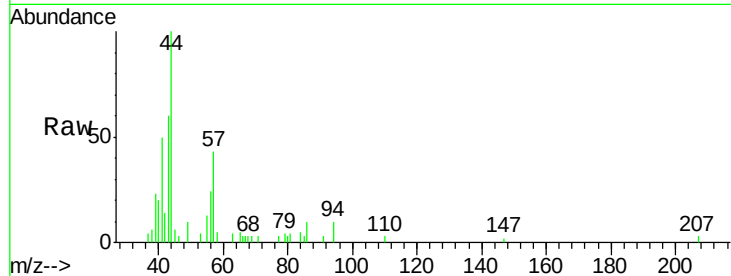




#18
Methvl Acetate
Concen: 6.886 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

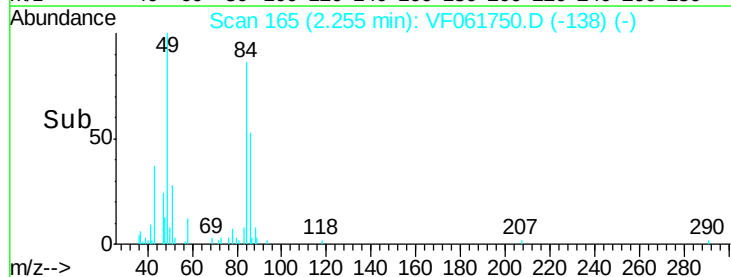
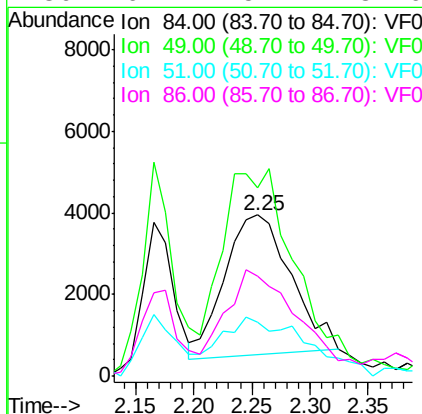
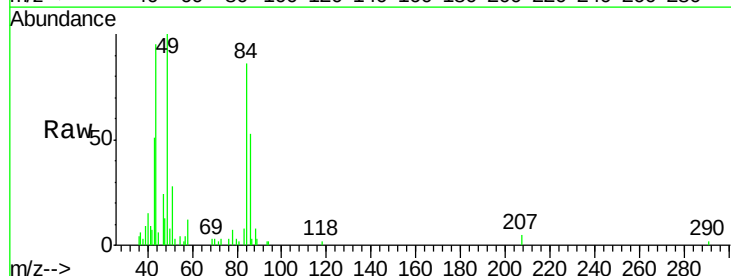
Instrument :
MSVOA_F
ClientSampleId :
SB-02-(5-10)

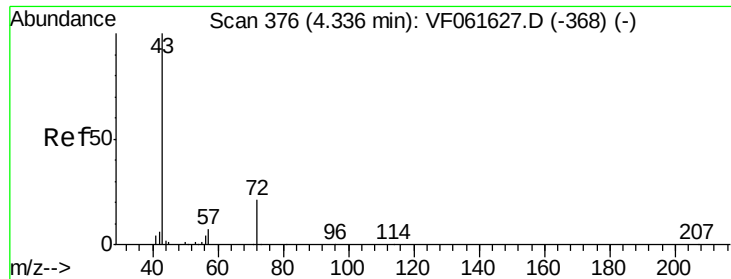
Tot Ion: 43 Resp: 6891
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 3.329 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.07 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

Tgt Ion: 84 Resp: 13525
Ion Ratio Lower Upper
84 100
49 116.7 101.8 152.8
51 33.2 31.1 46.7
86 62.2 54.4 81.6





#25

2-Butanone

Concen: 1.441 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

Instrument :

MSVOA_F

ClientSampleId :

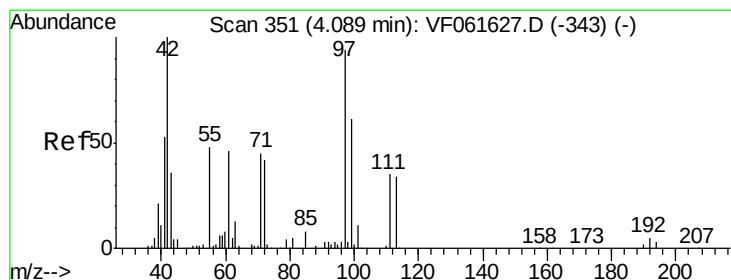
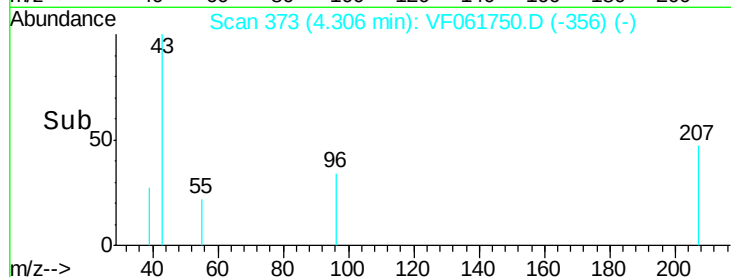
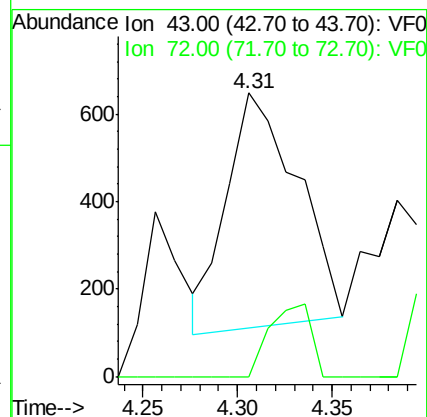
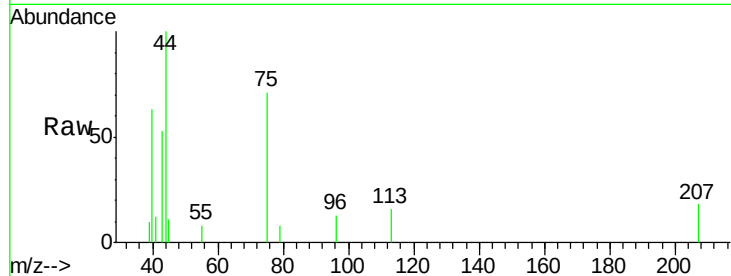
SB-02-(5-10)

Tot Ion: 43 Resp: 1398

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#29

Tetrahydrofuran

Concen: 3.925 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

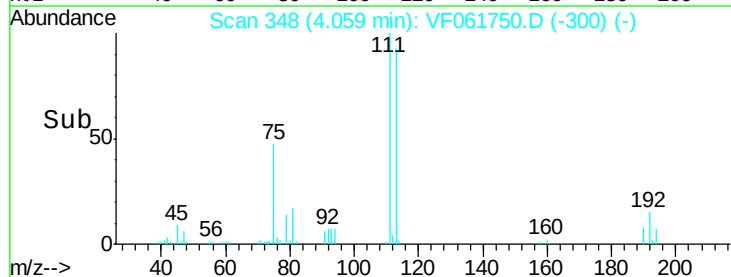
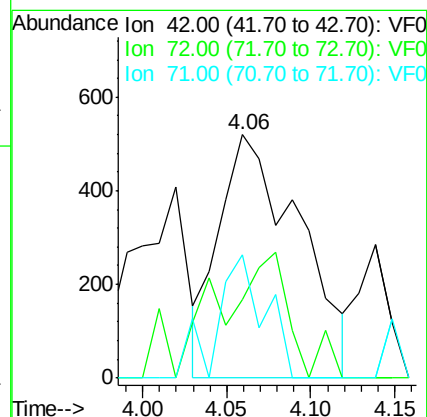
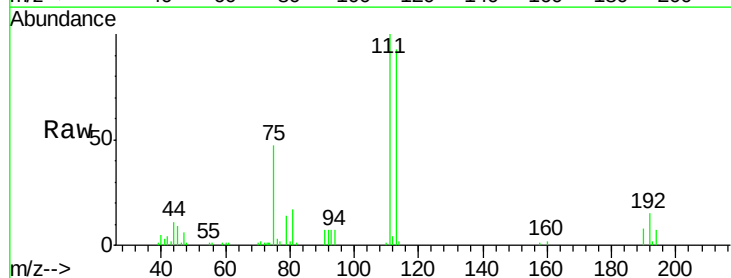
Tgt Ion: 42 Resp: 1731

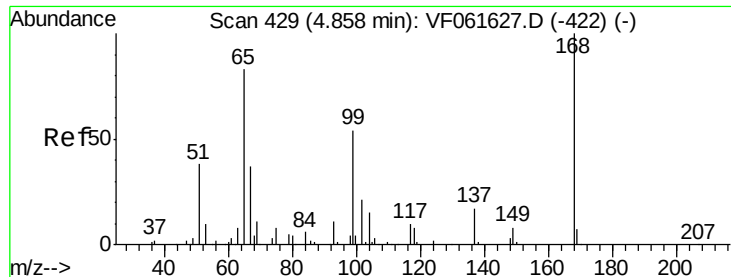
Ion Ratio Lower Upper

42 100

72 29.9 35.2 52.8#

71 30.0 32.9 49.3#

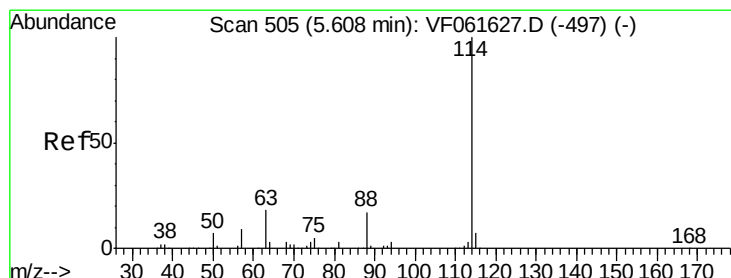
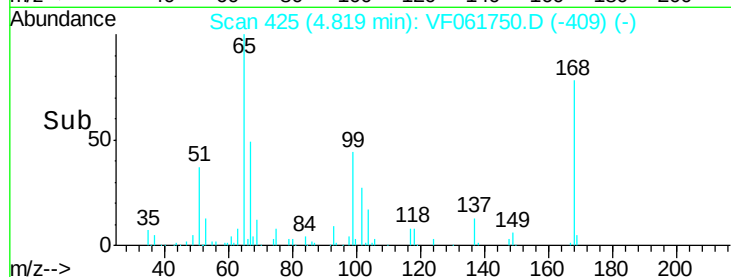
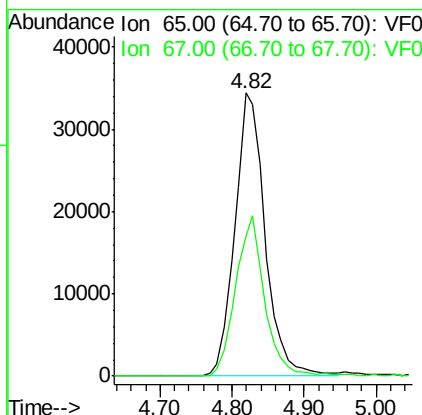
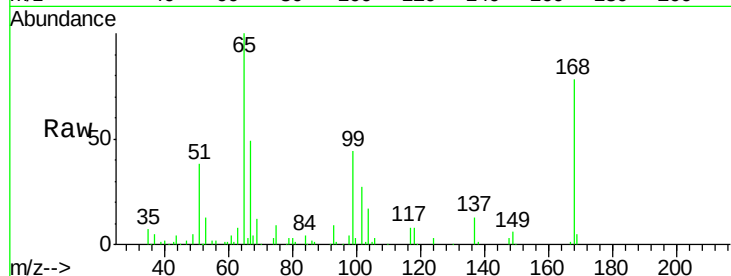




#33
 1,2-Dichloroethane-d4
 Concen: 48.629 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061750.D
 Acq: 26 Feb 2019 19:27

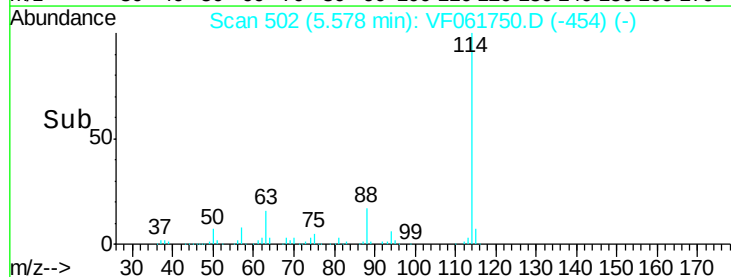
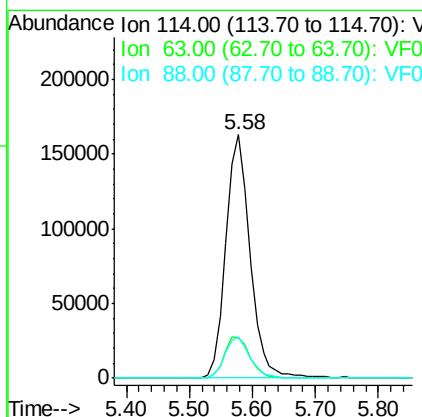
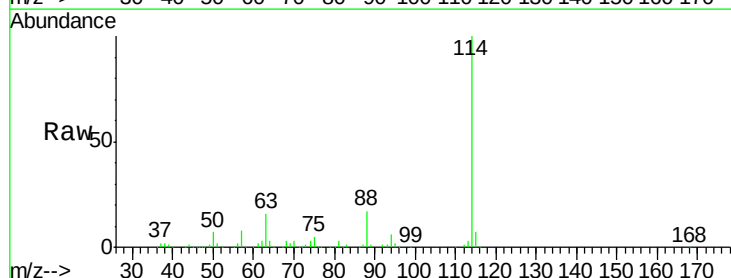
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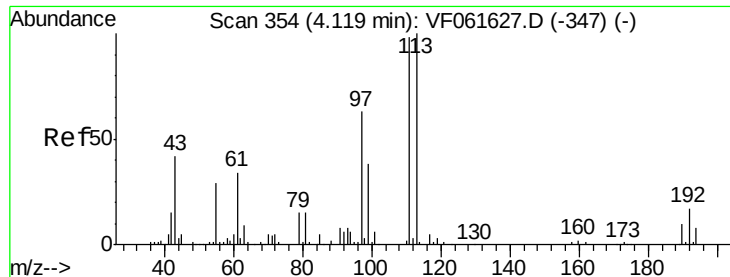
Tot Ion: 65 Resp: 100684
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061750.D
 Acq: 26 Feb 2019 19:27

Tgt Ion: 114 Resp: 434455
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 36.6
 88 16.9 0.0 34.4

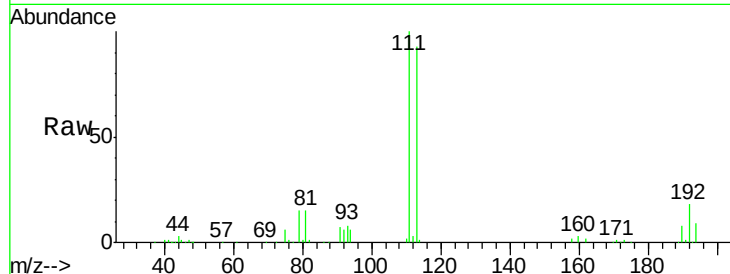




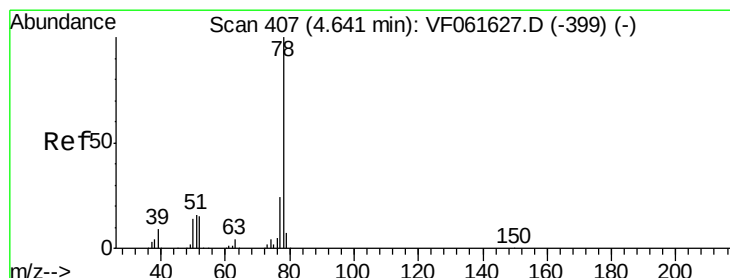
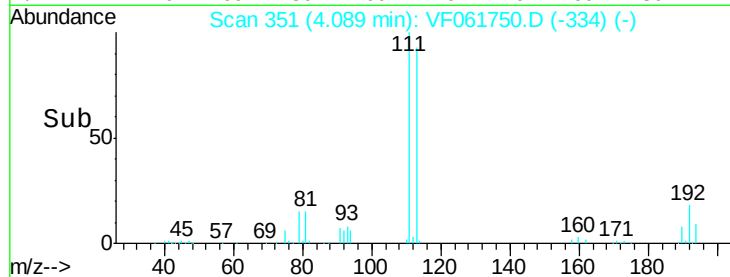
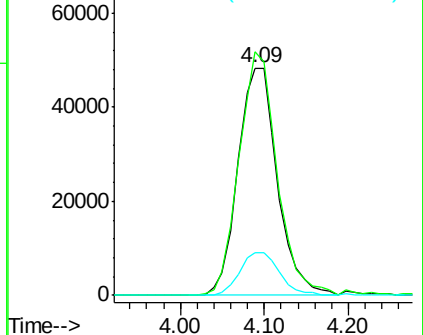
#35
 Dibromofluoromethane
 Concen: 49.147 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061750.D
 Acq: 26 Feb 2019 19:27

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-02-(5-10)

Tot Ion:113 Resp: 158563
 Ion Ratio Lower Upper
 113 100
 111 107.0 78.8 118.2
 192 19.4 13.4 20.0

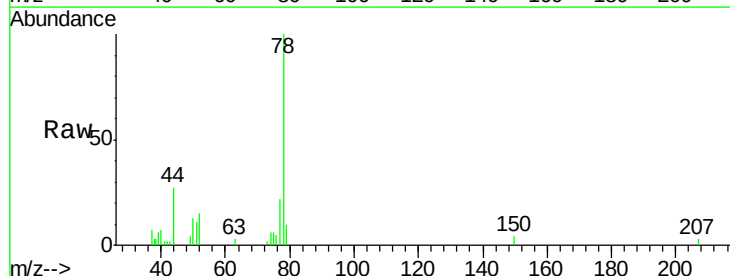


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

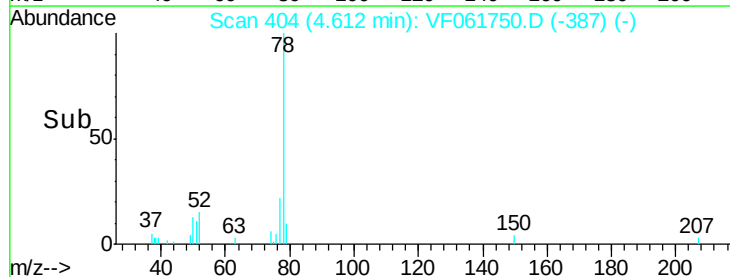
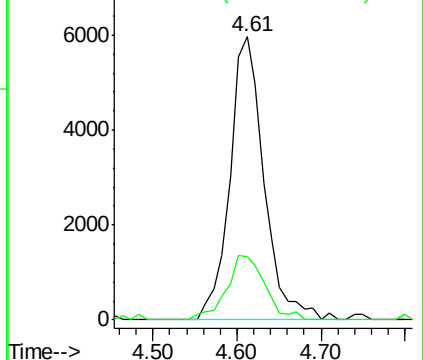


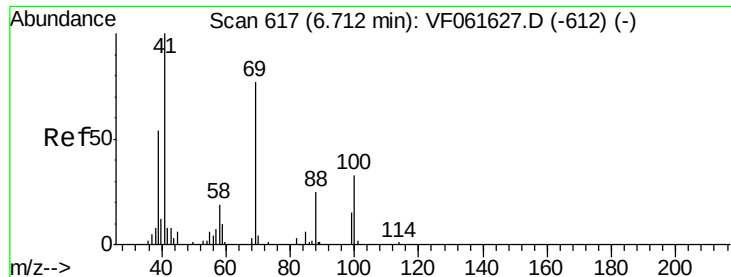
#40
 Benzene
 Concen: 1.498 ug/l
 RT: 4.61 min Scan# 404
 Delta R.T. -0.03 min
 Lab File: VF061750.D
 Acq: 26 Feb 2019 19:27

Tgt Ion: 78 Resp: 16864
 Ion Ratio Lower Upper
 78 100
 77 22.3 19.0 28.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
 Ion 77.00 (76.70 to 77.70): VF0

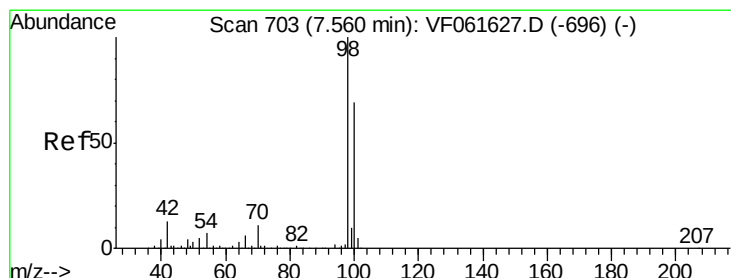
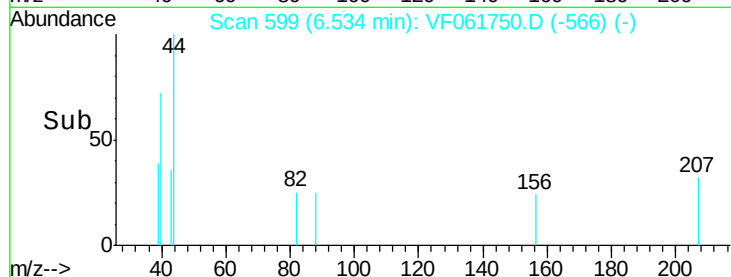
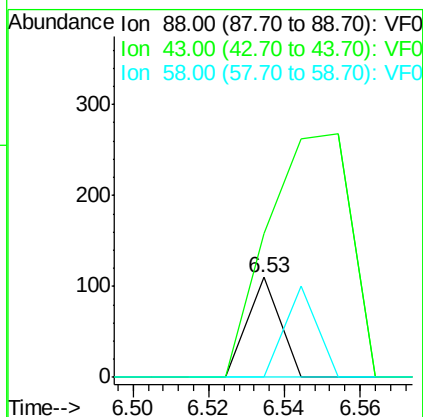
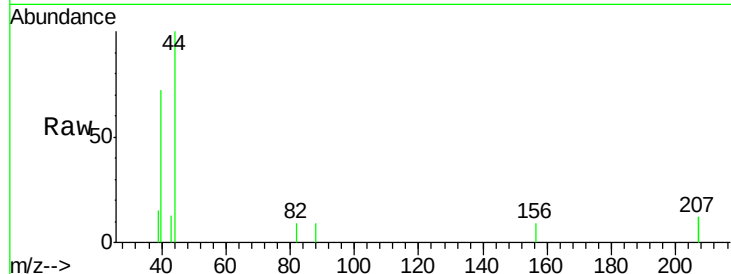




#49
1,4-Dioxane
Concen: 4.856 ug/l
RT: 6.53 min Scan# 599
Delta R.T. -0.18 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

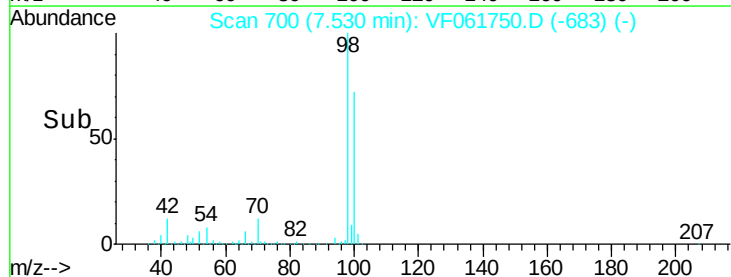
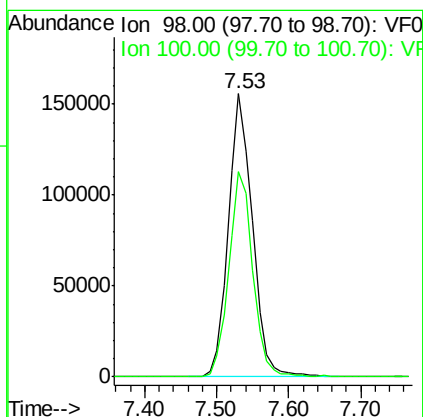
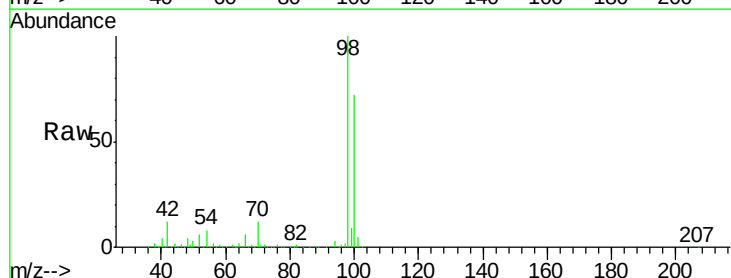
Instrument :
MSVOA_F
ClientSampleId :
SB-02-(5-10)

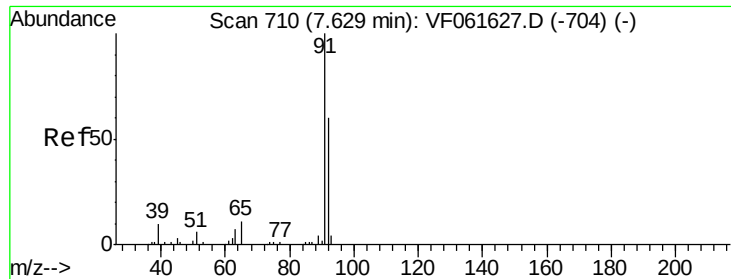
Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 143.6 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 39.036 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

Tgt Ion: 98 Resp: 362050
Ion Ratio Lower Upper
98 100
100 72.3 55.4 83.2





#52

Toluene

Concen: 1.742 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

Instrument :

MSVOA_F

ClientSampleId :

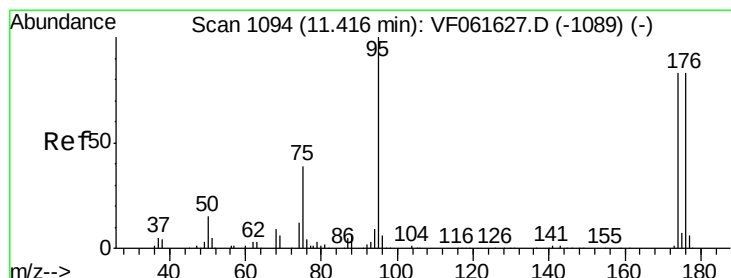
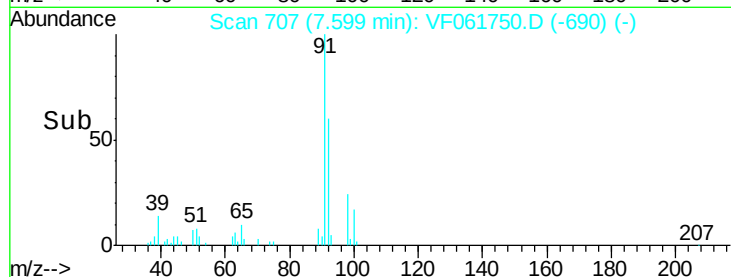
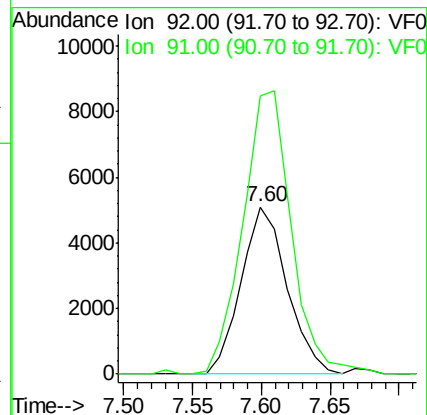
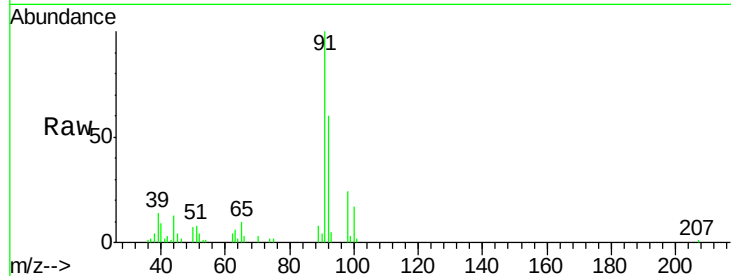
SB-02-(5-10)

Tot Ion: 92 Resp: 11893

Ion Ratio Lower Upper

92 100

91 166.1 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 31.298 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061750.D

Acq: 26 Feb 2019 19:27

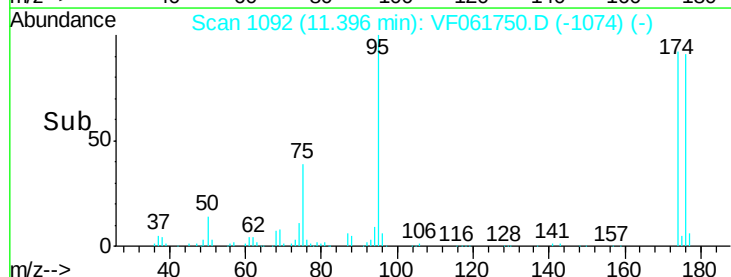
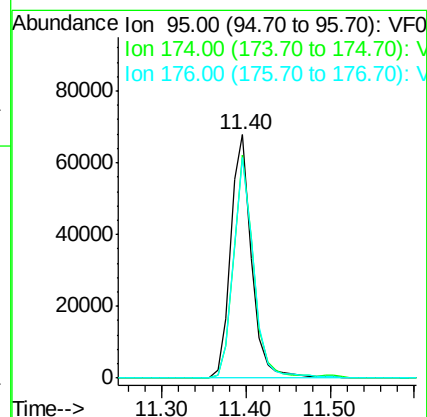
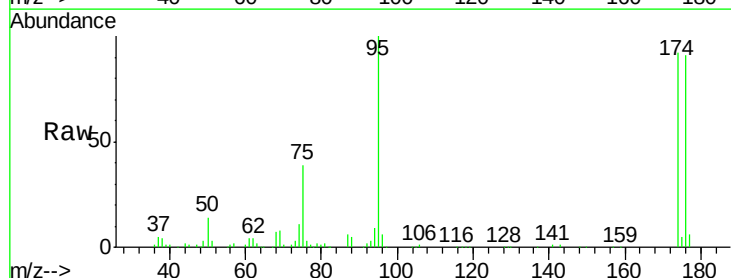
Tgt Ion: 95 Resp: 117451

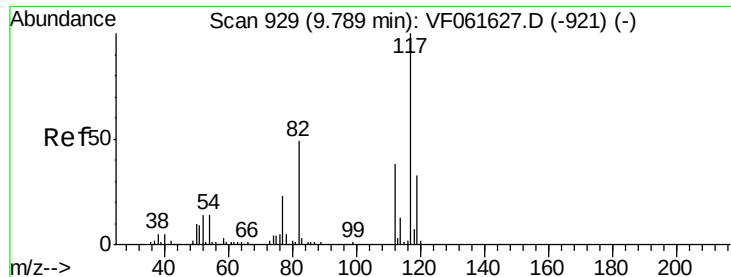
Ion Ratio Lower Upper

95 100

174 91.5 0.0 165.8

176 90.6 0.0 167.0

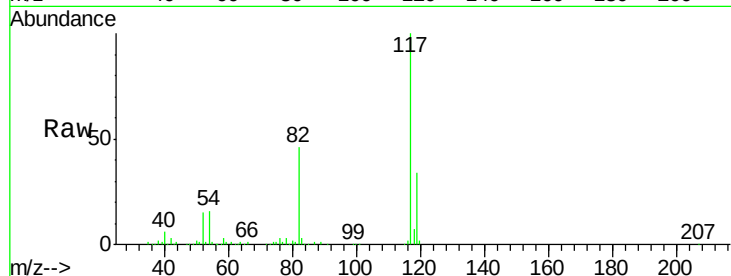




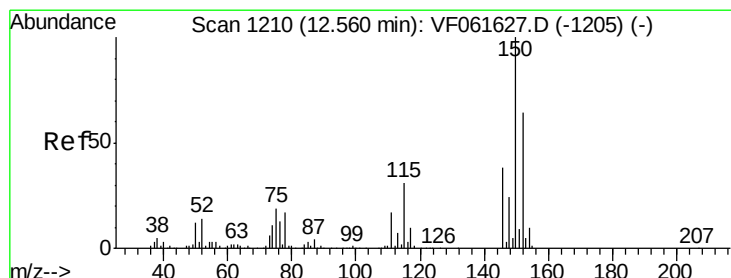
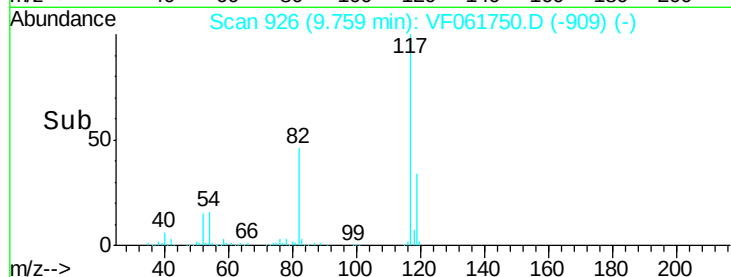
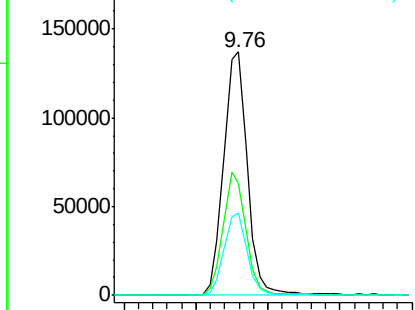
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

Instrument :
MSVOA_F
ClientSampleId :
SB-02-(5-10)

Tot Ion:117 Resp: 315291
Ion Ratio Lower Upper
117 100
82 46.0 39.3 58.9
119 33.6 26.6 40.0

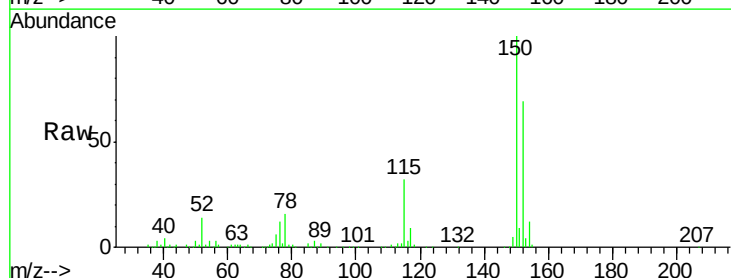


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061750.D
Acq: 26 Feb 2019 19:27

Tgt Ion:152 Resp: 106145
Ion Ratio Lower Upper
152 100
115 46.5 24.3 72.8
150 145.6 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

