

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061829.D
 Acq On : 4 Mar 2019 20:21
 Operator : VA/AP
 Sample : VF0304SBL01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBL01

Quant Time: Mar 05 05:03:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	307448	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	451467	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	389448	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	225154	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	131789	58.45	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	116.90%	
35) Dibromofluoromethane	4.12	113	187580	55.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.90%	
50) Toluene-d8	7.56	98	514805	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	11.41	95	211905	54.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.68%	

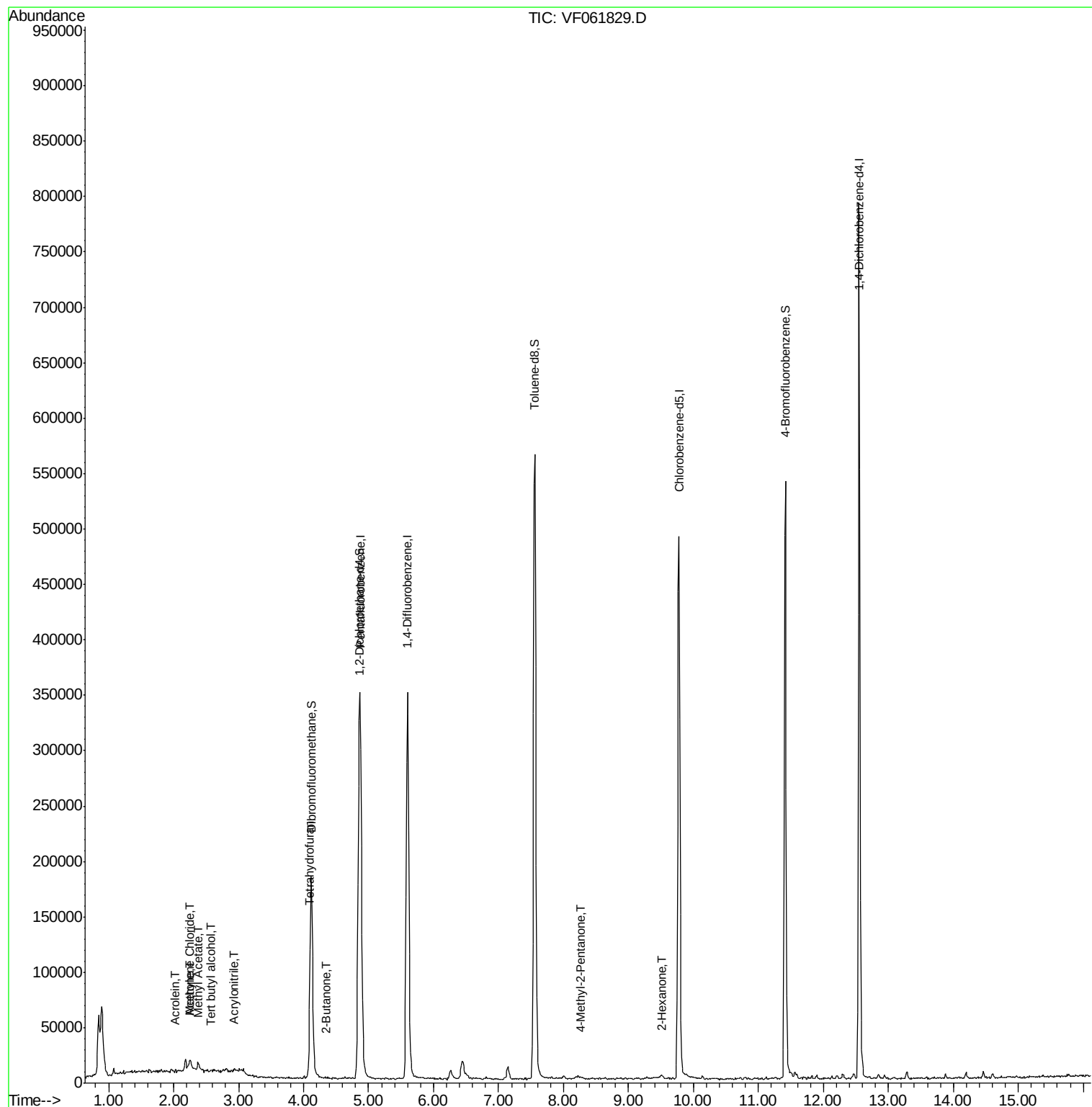
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	466	3.571	ug/l #	54
13) Acrolein	2.04	56	469	2.860	ug/l	91
15) Acrylonitrile	2.94	53	1184	2.558	ug/l #	67
16) Acetone	2.25	43	1356	2.803	ug/l	89
18) Methyl Acetate	2.37	43	4447	4.081	ug/l #	59
20) Methylene Chloride	2.26	84	6343	2.171	ug/l	94
25) 2-Butanone	4.35	43	1561	1.477	ug/l #	55
29) Tetrahydrofuran	4.09	42	863	1.797	ug/l #	50
51) 4-Methyl-2-Pentanone	8.26	43	2716	1.546	ug/l	93
59) 2-Hexanone	9.50	43	2914	2.366	ug/l	68

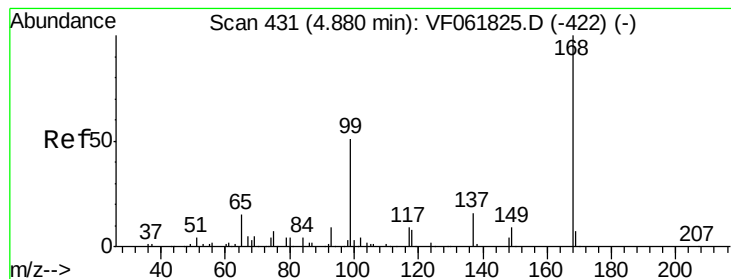
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061829.D
Acq On : 4 Mar 2019 20:21
Operator : VA/AP
Sample : VF0304SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBL01

Quant Time: Mar 05 05:03:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

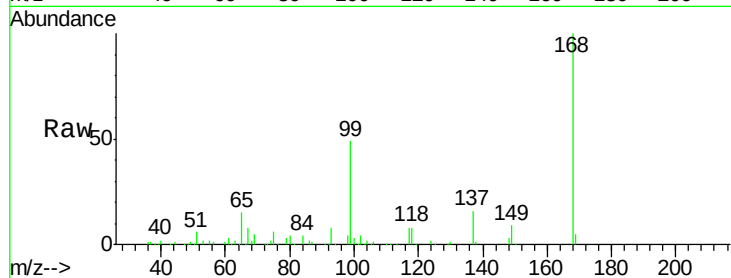
VF0304SBL01

Tot Ion:168 Resp: 307448

Ion Ratio Lower Upper

168 100

99 48.6 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

100000

80000

60000

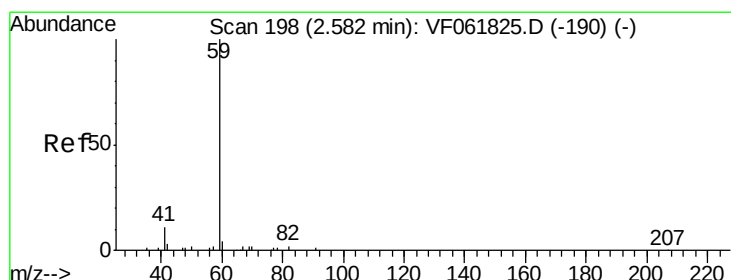
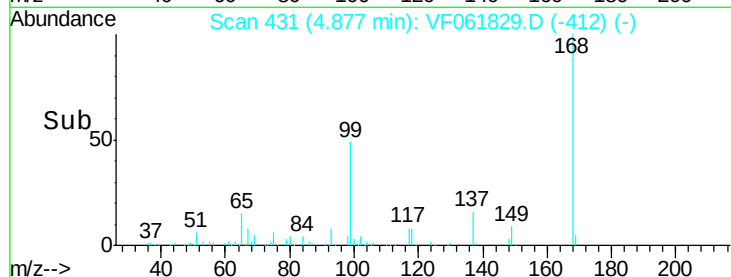
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.571 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.00 min

Lab File: VF061829.D

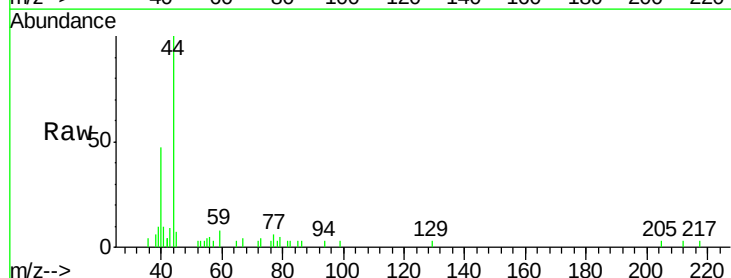
Acq: 4 Mar 2019 20:21

Tgt Ion: 59 Resp: 466

Ion Ratio Lower Upper

59 100

57 34.8 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

400

300

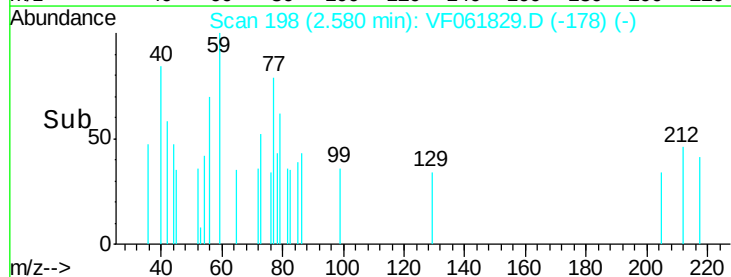
200

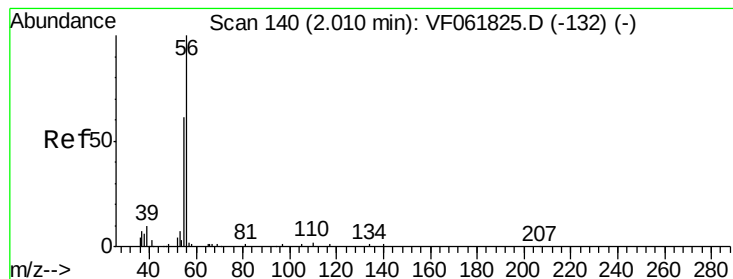
100

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 2.860 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

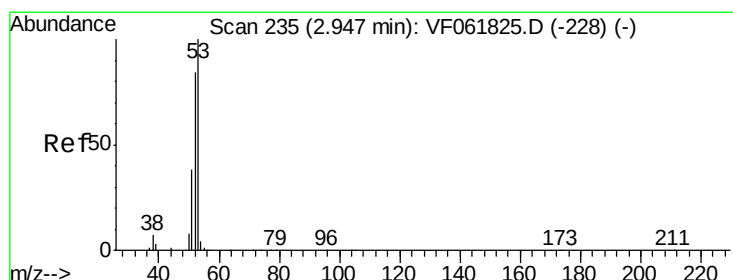
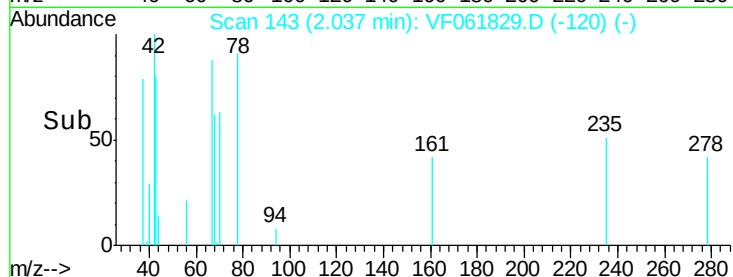
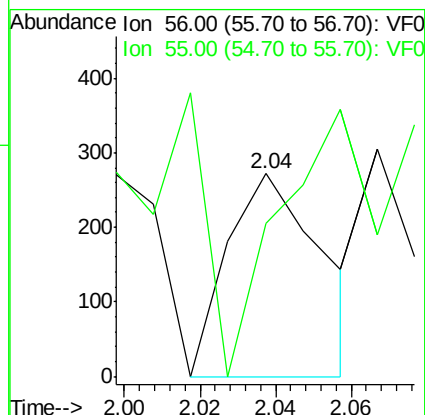
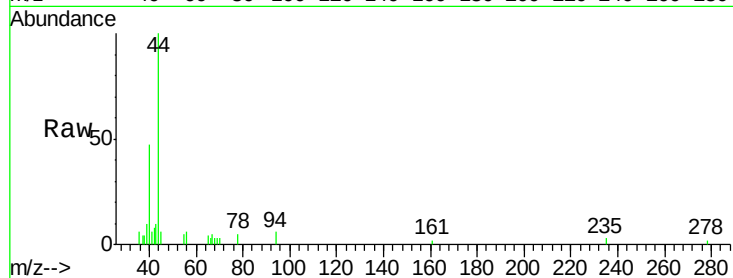
VF0304SBL01

Tot Ion: 56 Resp: 469

Ion Ratio Lower Upper

56 100

55 75.7 55.0 82.6



#15

Acrylonitrile

Concen: 2.558 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

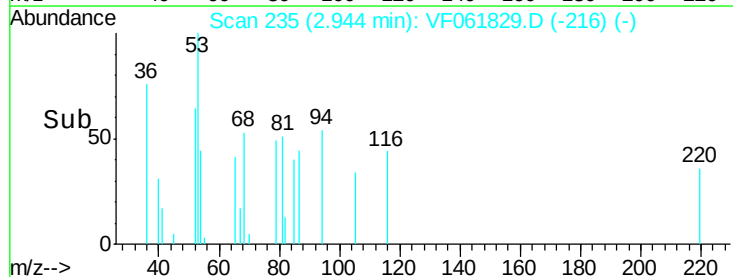
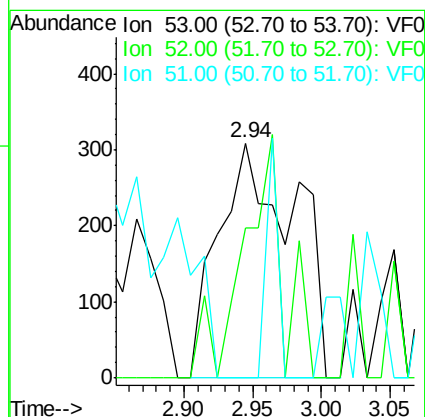
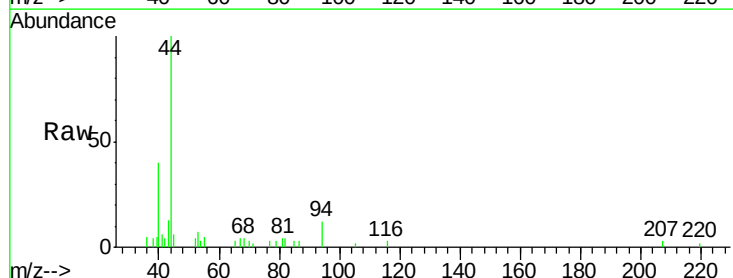
Tgt Ion: 53 Resp: 1184

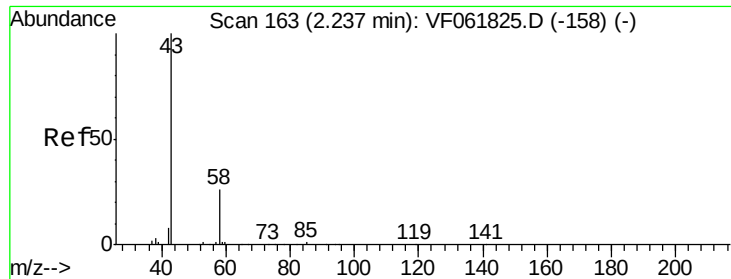
Ion Ratio Lower Upper

53 100

52 64.1 64.6 97.0#

51 0.0 29.8 44.8#





#16

Acetone

Concen: 2.803 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.01 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

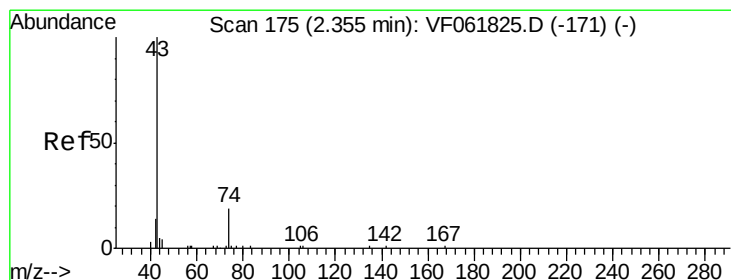
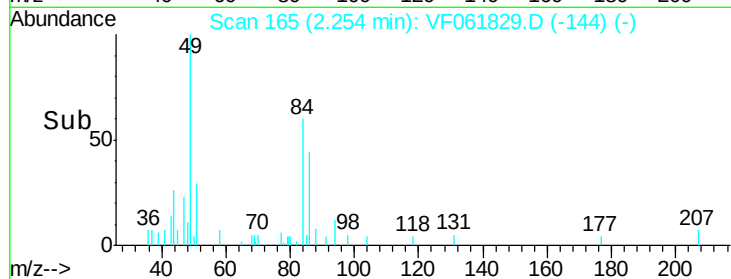
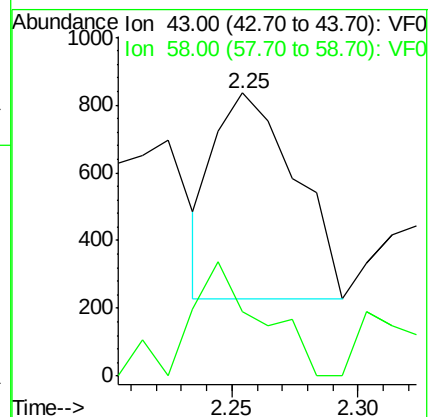
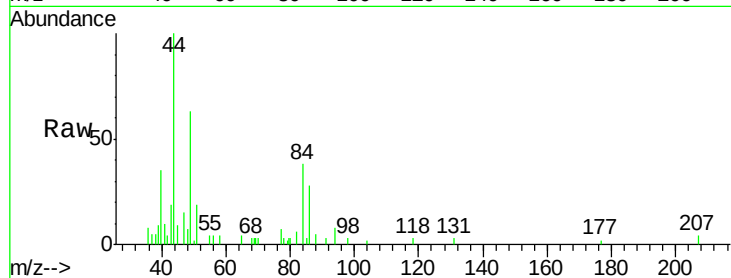
VF0304SBL01

Tot Ion: 43 Resp: 1356

Ion Ratio Lower Upper

43 100

58 23.0 22.9 34.3



#18

Methyl Acetate

Concen: 4.081 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.02 min

Lab File: VF061829.D

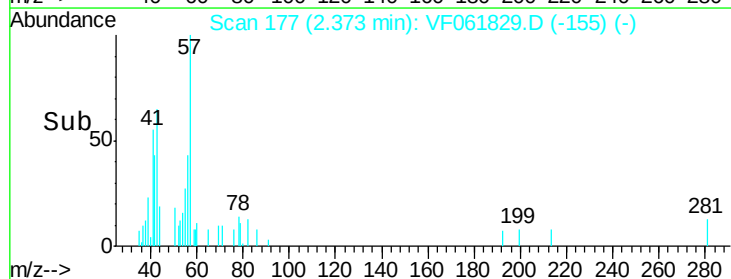
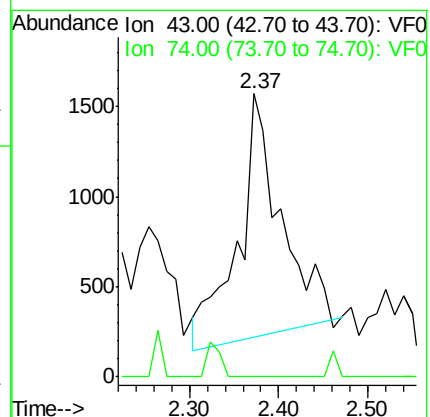
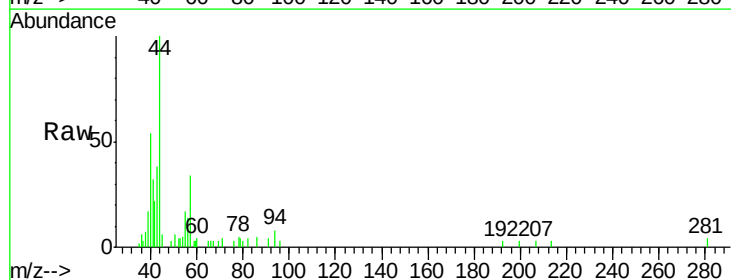
Acq: 4 Mar 2019 20:21

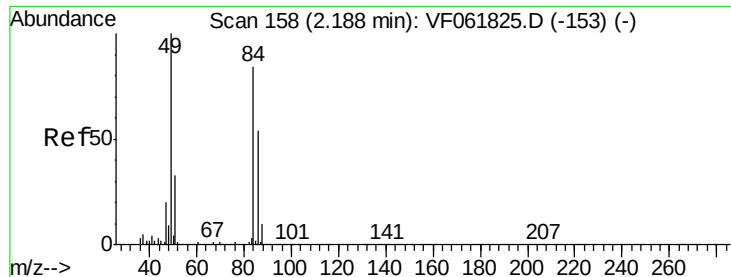
Tgt Ion: 43 Resp: 4447

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

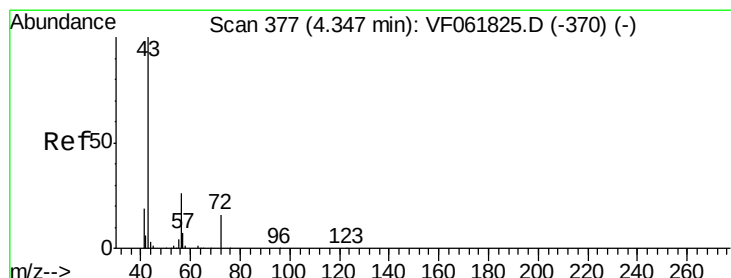
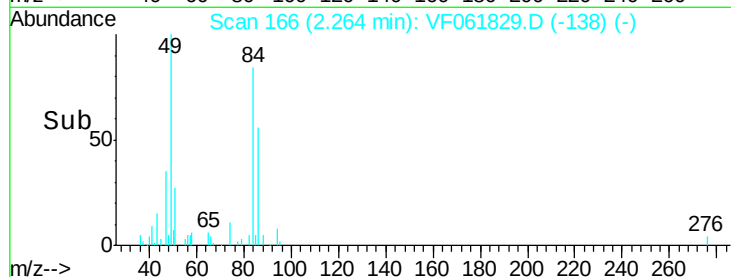
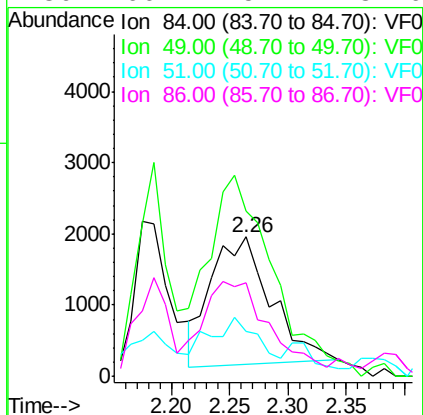
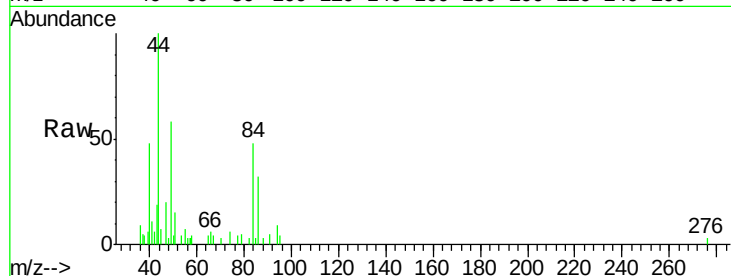




#20
Methylene Chloride
Concen: 2.171 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.08 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

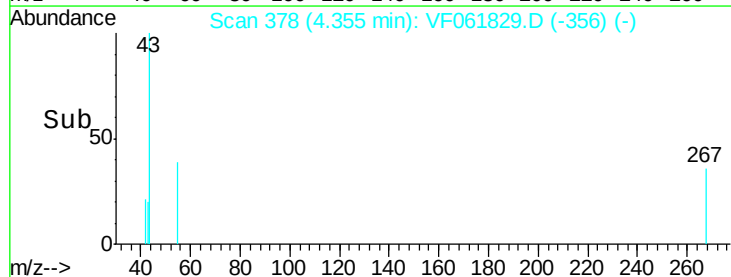
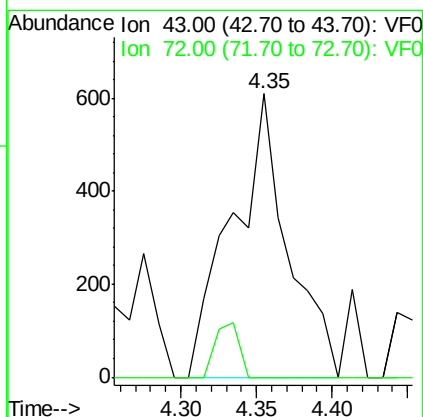
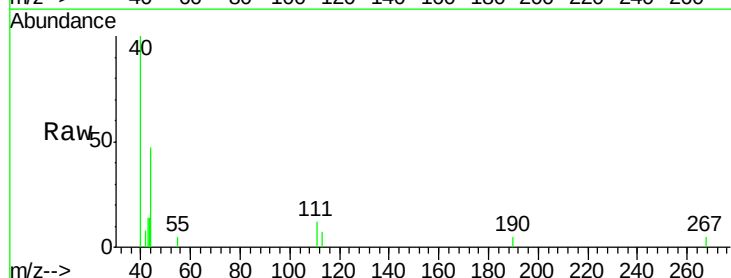
Instrument :
MSVOA_F
ClientSampleId :
VF0304SBL01

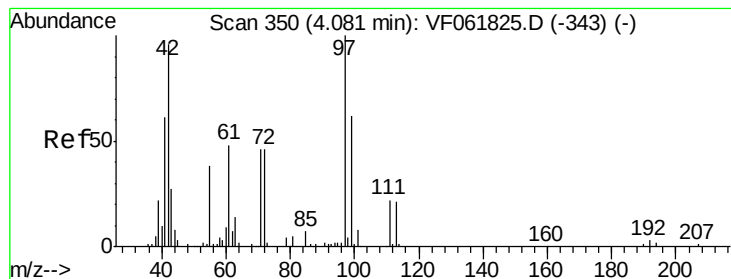
Tot Ion: 84 Resp: 6343
Ion Ratio Lower Upper
84 100
49 118.9 101.8 152.8
51 31.8 31.1 46.7
86 66.7 54.4 81.6



#25
2-Butanone
Concen: 1.477 ug/l
RT: 4.35 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

Tgt Ion: 43 Resp: 1561
Ion Ratio Lower Upper
43 100
72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 1.797 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBL01

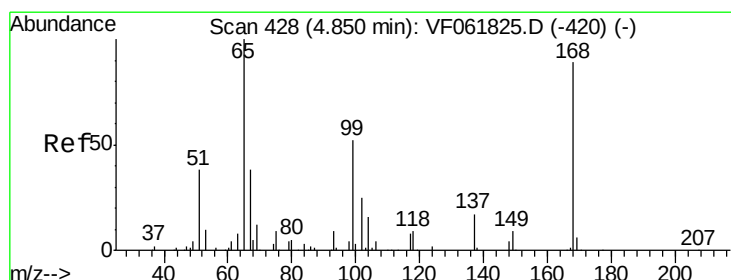
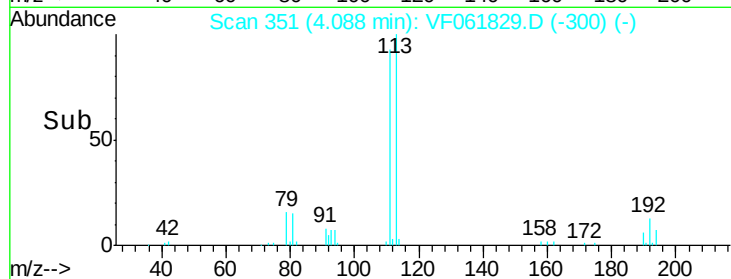
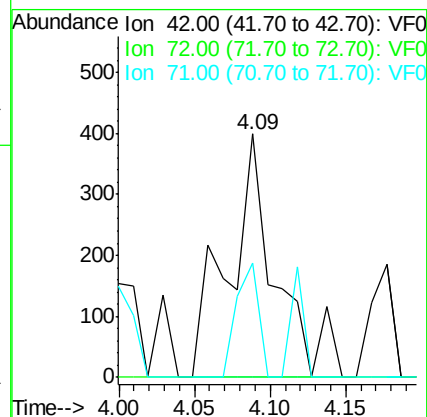
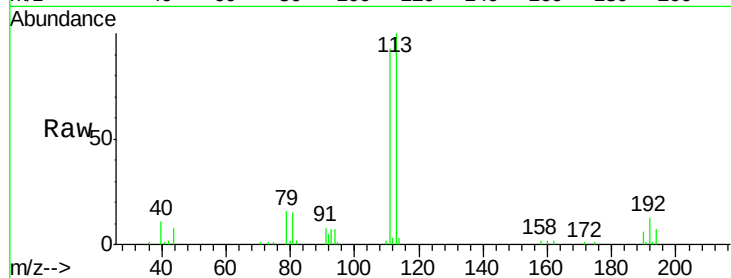
Tot Ion: 42 Resp: 863

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 21.9 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 58.454 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061829.D

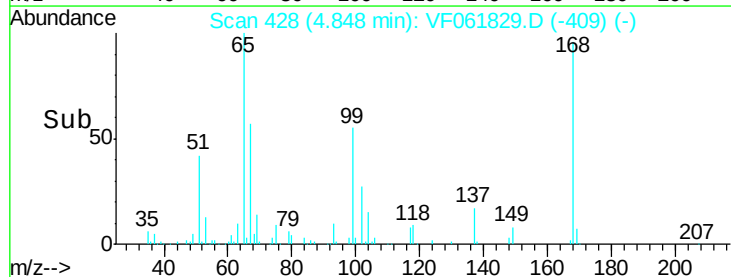
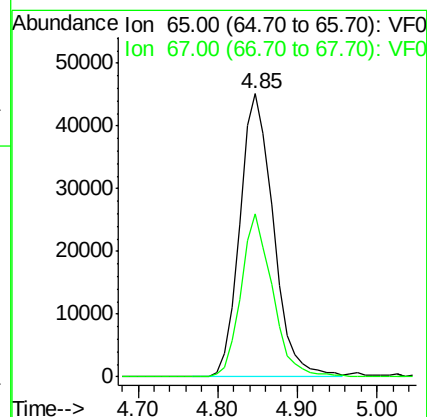
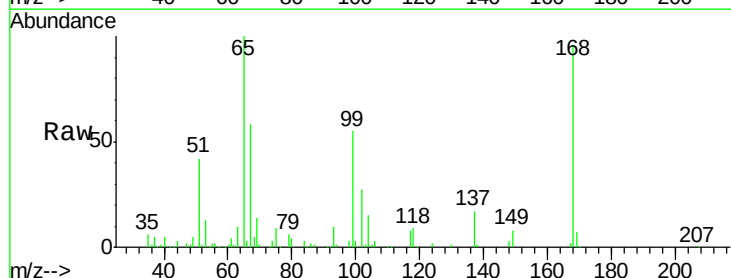
Acq: 4 Mar 2019 20:21

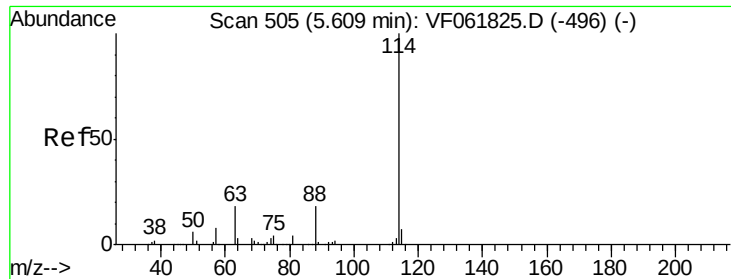
Tgt Ion: 65 Resp: 131789

Ion Ratio Lower Upper

65 100

67 57.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBL01

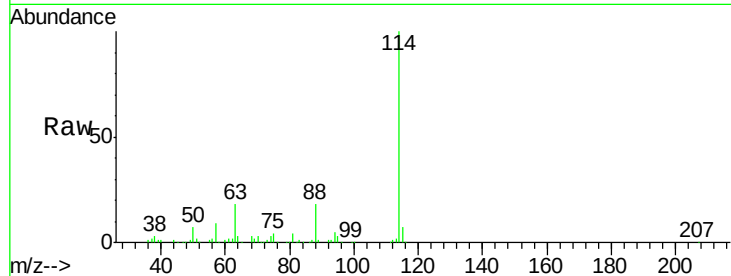
Tot Ion:114 Resp: 451467

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

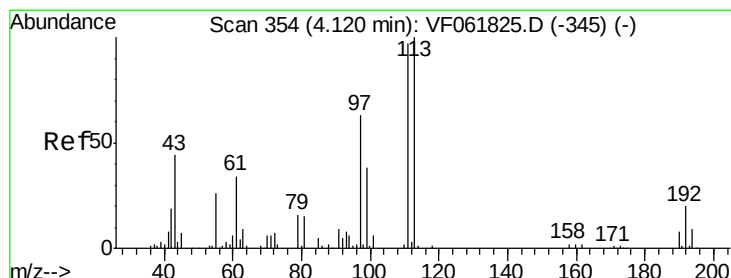
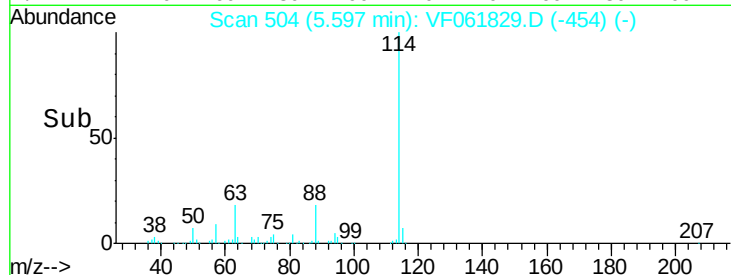
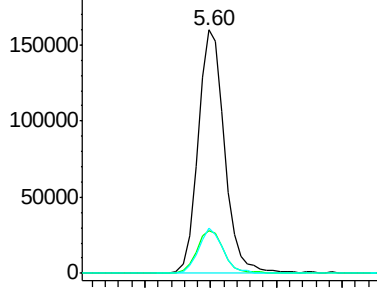
88 18.3 0.0 34.4



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: 55.950 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061829.D

Acq: 4 Mar 2019 20:21

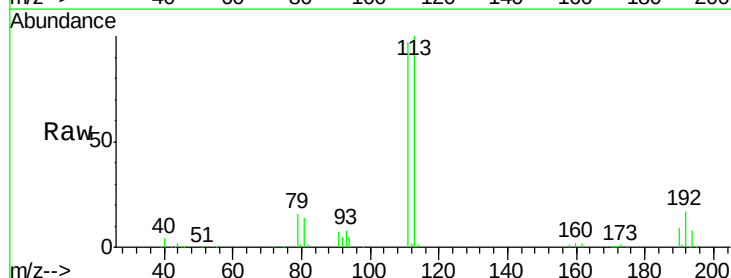
Tgt Ion:113 Resp: 187580

Ion Ratio Lower Upper

113 100

111 96.5 78.8 118.2

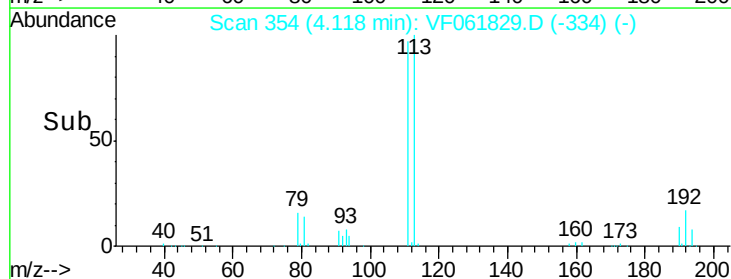
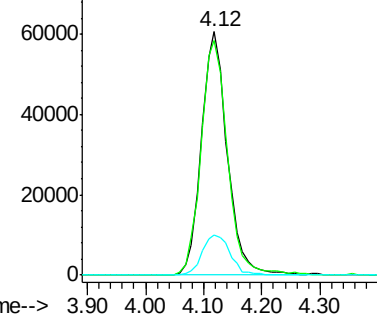
192 16.7 13.4 20.0

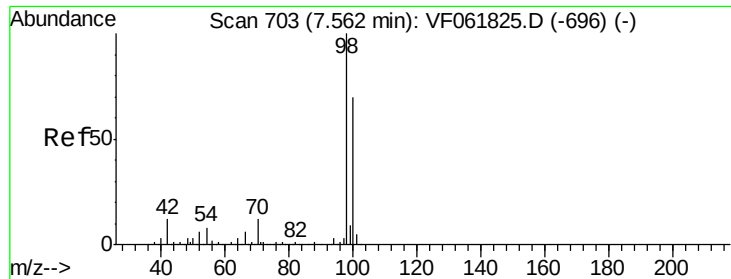


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

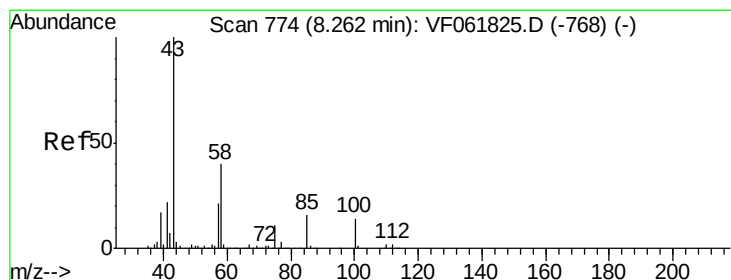
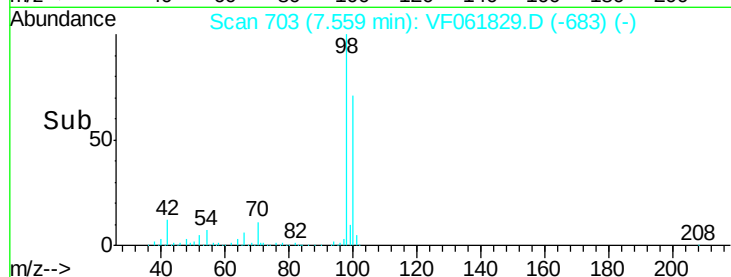
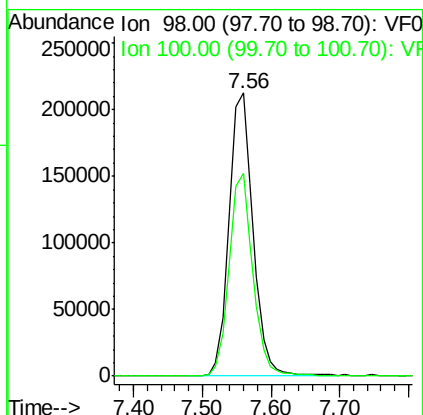
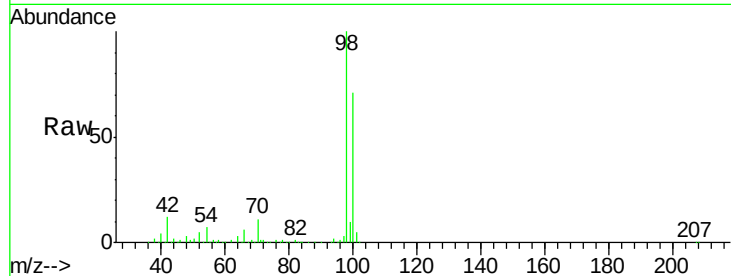




#50
Toluene-d8
Concen: 53.415 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

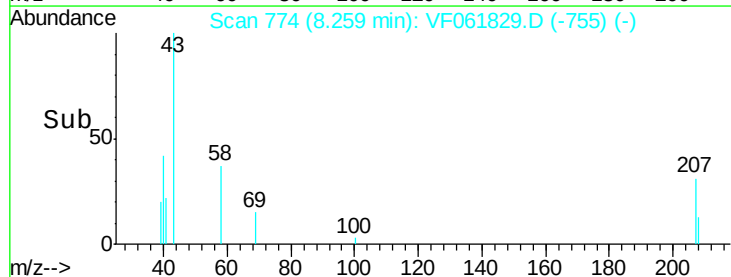
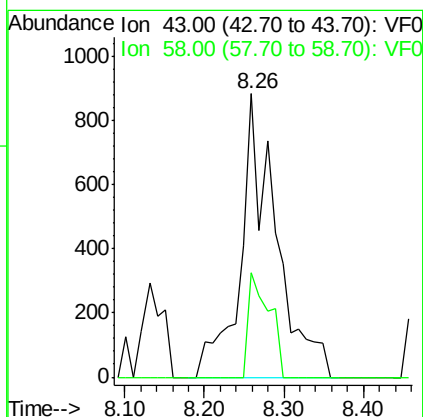
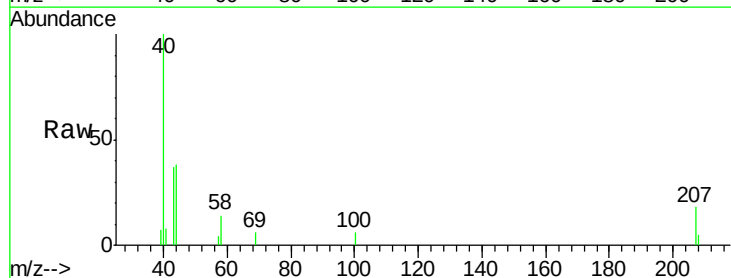
Instrument :
MSVOA_F
ClientSampleId :
VF0304SBL01

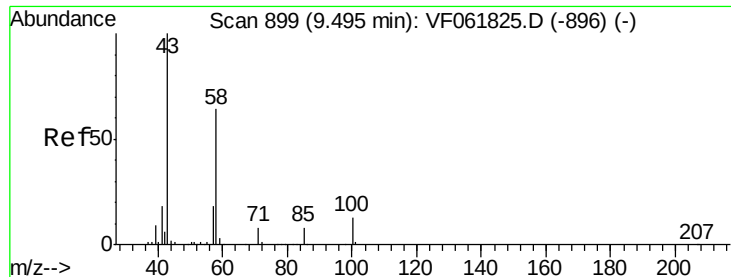
Tot Ion: 98 Resp: 514805
Ion Ratio Lower Upper
98 100
100 71.4 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
58 36.7 33.1 49.7

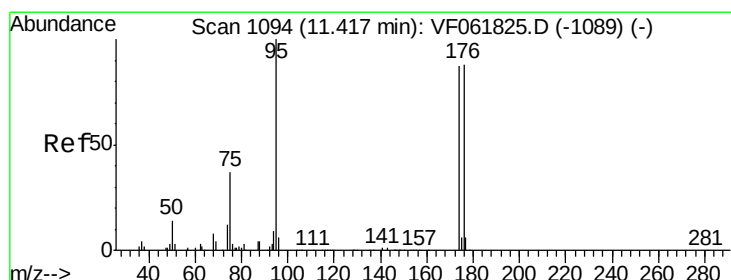
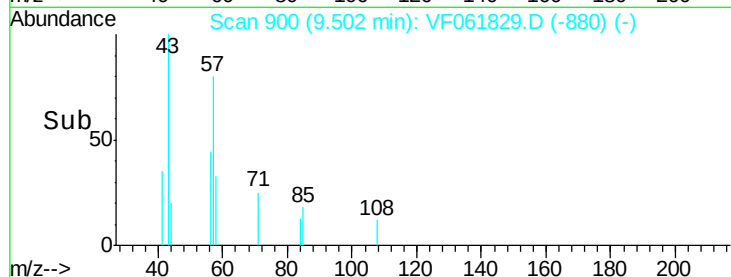
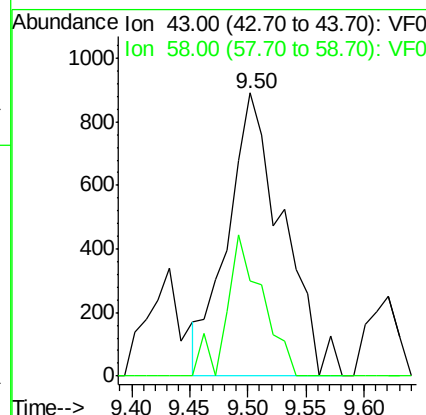
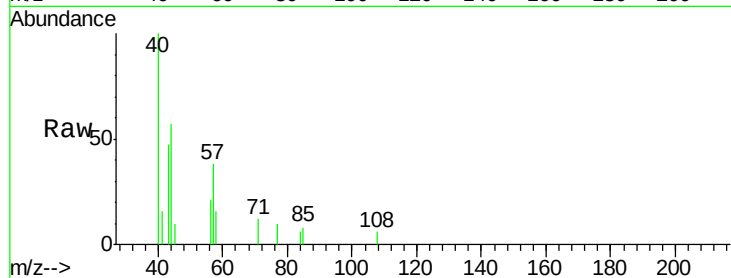




#59
2-Hexanone
Concen: 2.366 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

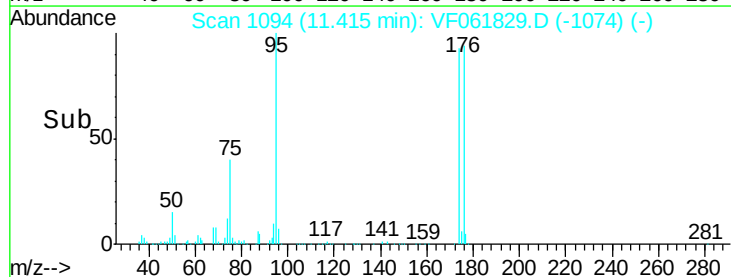
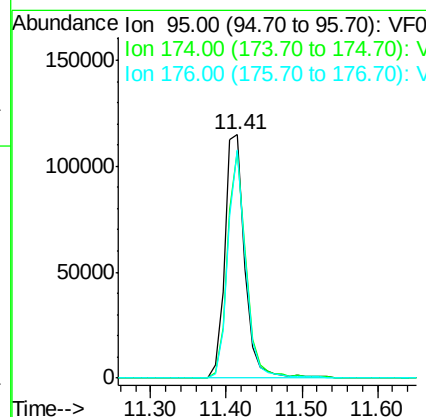
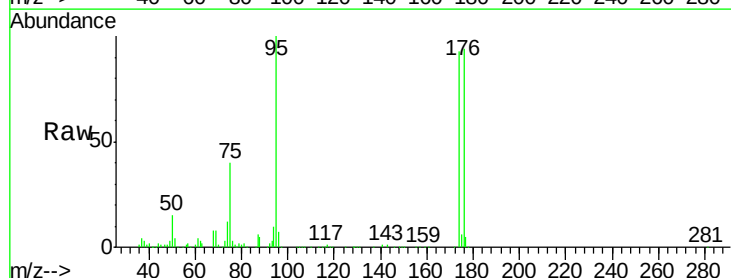
Instrument :
MSVOA_F
ClientSampleId :
VF0304SBL01

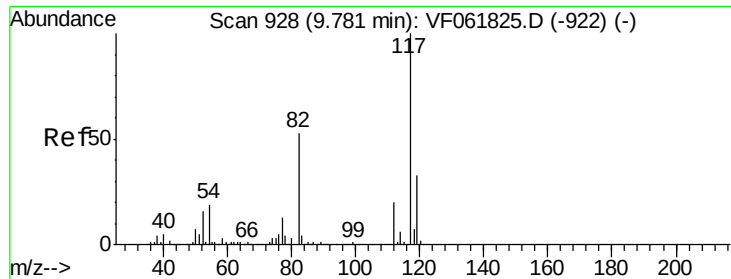
Tot Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
58 33.4 28.5 85.5



#62
4-Bromofluorobenzene
Concen: 54.340 ug/l
RT: 11.41 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

Tgt Ion: 95 Resp: 211905
Ion Ratio Lower Upper
95 100
174 93.1 0.0 165.8
176 93.5 0.0 167.0

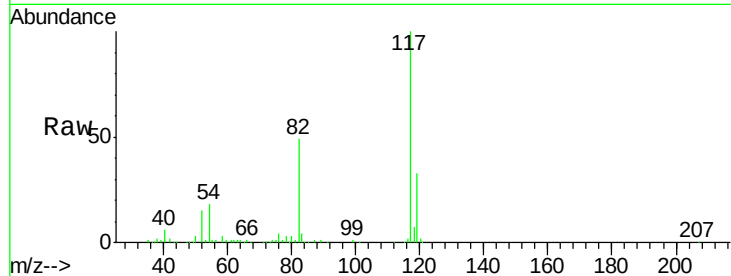




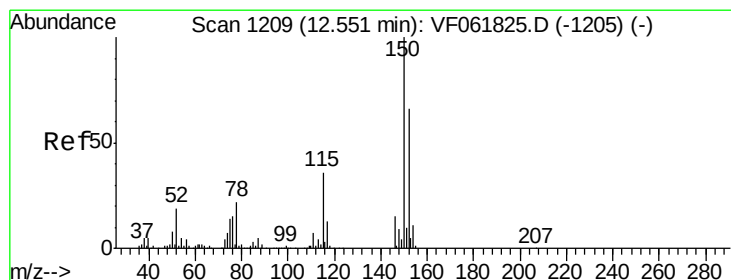
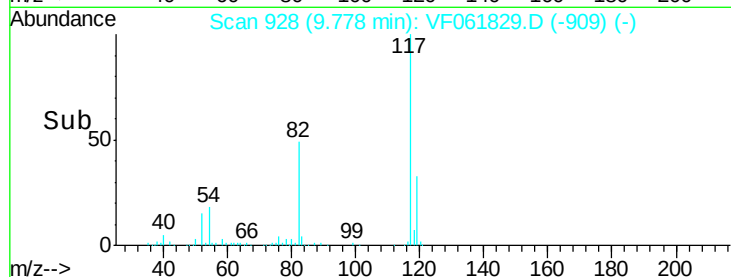
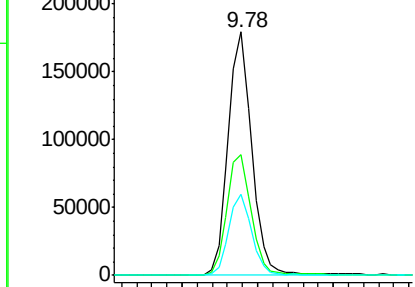
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	39.3	58.9
119	33.0	26.6	40.0

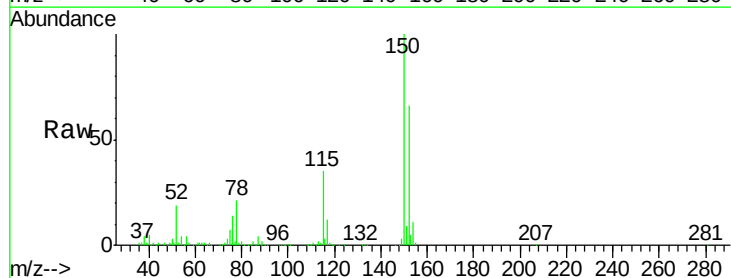


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061829.D
Acq: 4 Mar 2019 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	24.3	72.8
150	151.6	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

