

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061847.D
 Acq On : 5 Mar 2019 16:08
 Operator : VA/AP
 Sample : K1715-03RE
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4-B-S

Quant Time: Mar 06 05:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	322951	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	469397	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	403872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	194042	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	100281	42.64	ug/l	0.00
Spiked Amount						
			Recovery	=	85.28%	
35) Dibromofluoromethane	4.12	113	149924	45.77	ug/l	0.00
Spiked Amount						
			Recovery	=	91.54%	
50) Toluene-d8	7.56	98	358015	36.77	ug/l	0.00
Spiked Amount						
			Recovery	=	73.54%	
62) 4-Bromofluorobenzene	11.41	95	151893	39.82	ug/l	-0.01
Spiked Amount						
			Recovery	=	79.64%	

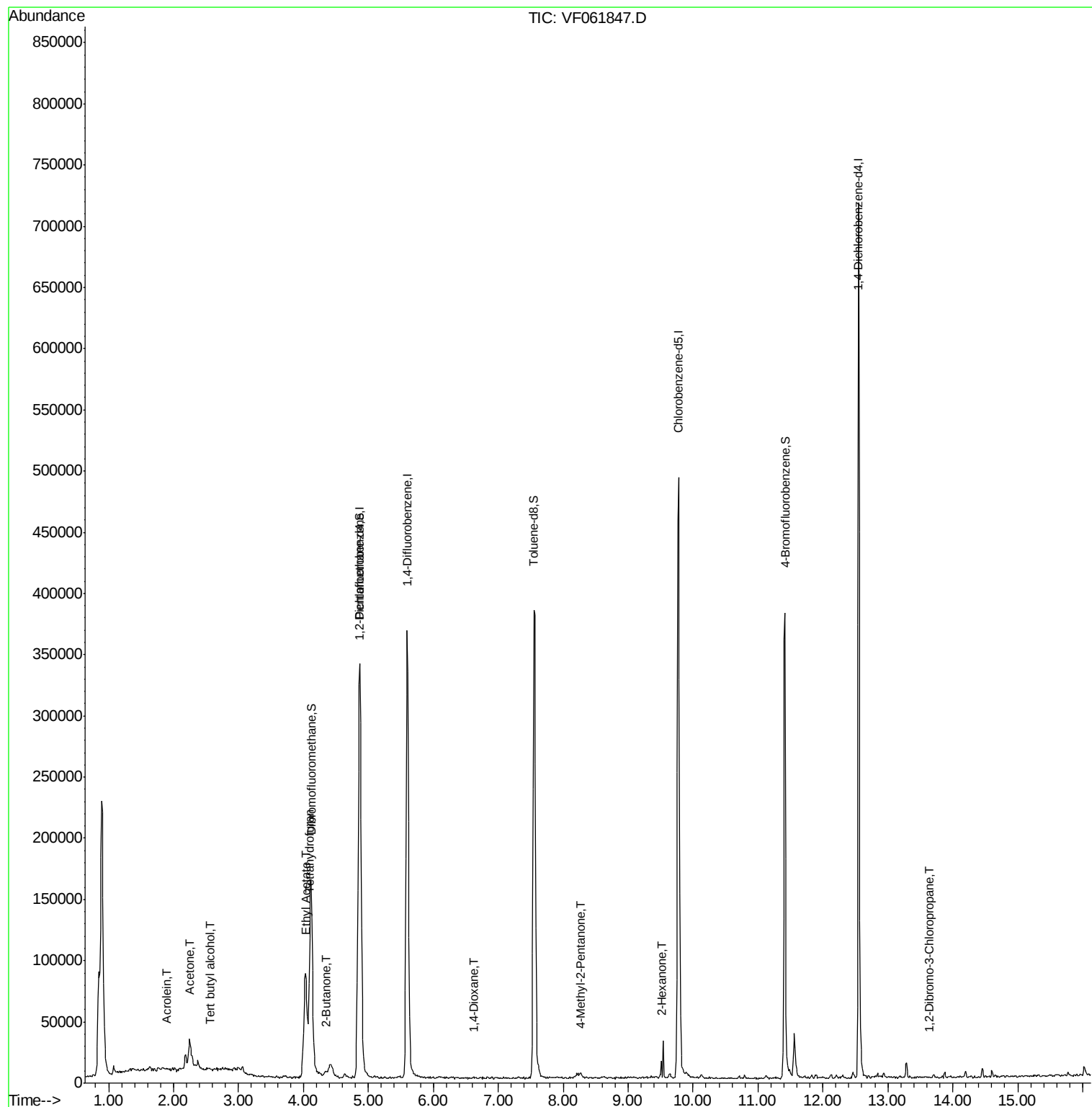
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	1243	9.312	ug/l #	64
13) Acrolein	1.89	56	668	3.949	ug/l	97
16) Acetone	2.24	43	24377	49.481	ug/l	95
18) Methyl Acetate	2.37	43	5627	Below Cal	#	78
20) Methylene Chloride	2.25	84	9946	Below Cal		87
25) 2-Butanone	4.34	43	7574	7.558	ug/l	98
29) Tetrahydrofuran	4.09	42	1933	4.473	ug/l #	63
37) Ethyl Acetate	4.05	43	7964	4.279	ug/l #	70
49) 1,4-Dioxane	6.62	88	60	4.521	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	3838	2.421	ug/l #	73
59) 2-Hexanone	9.51	43	1979	1.730	ug/l	76
92) 1,2-Dibromo-3-Chloropropan	13.64	75	85	3.971	ug/l #	1

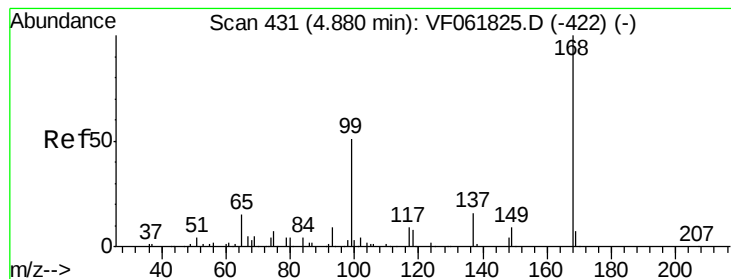
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

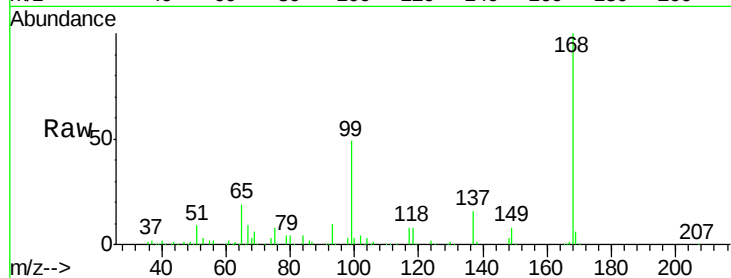
TP-4-B-S

Tot Ion:168 Resp: 322951

Ion Ratio Lower Upper

168 100

99 49.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

120000

100000

80000

60000

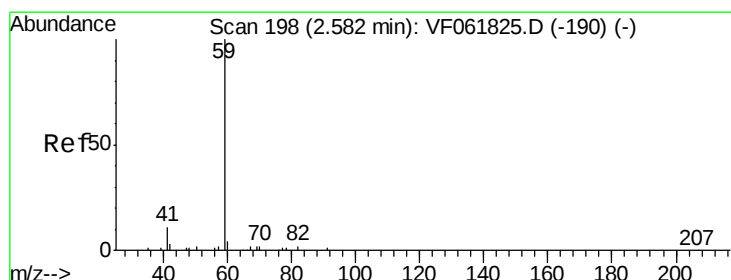
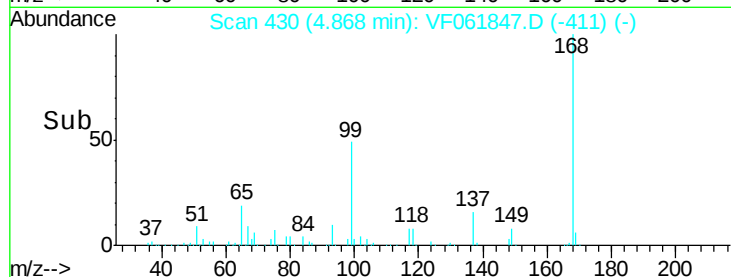
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 9.312 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061847.D

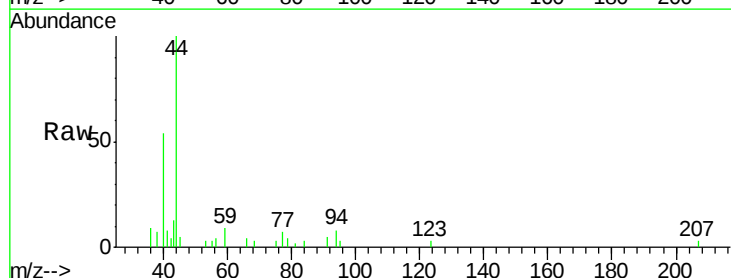
Acq: 5 Mar 2019 16:08

Tgt Ion: 59 Resp: 1243

Ion Ratio Lower Upper

59 100

57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

400

300

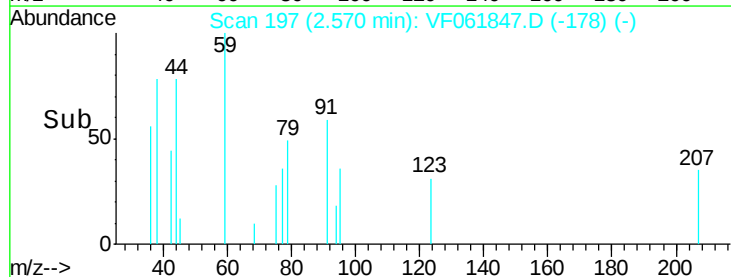
200

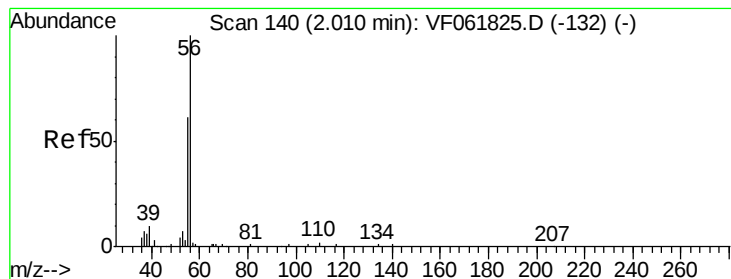
100

0

Time-->

2.50 2.55 2.60 2.65 2.70





#13

Acrolein

Concen: 3.949 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.12 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampled :

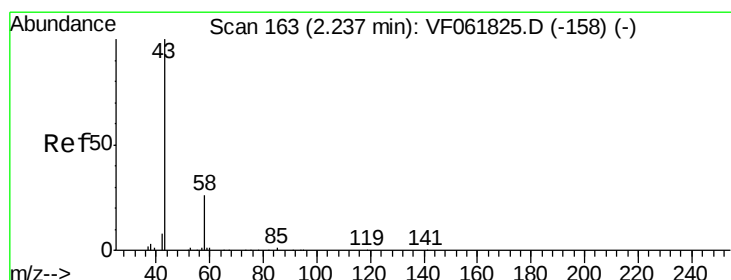
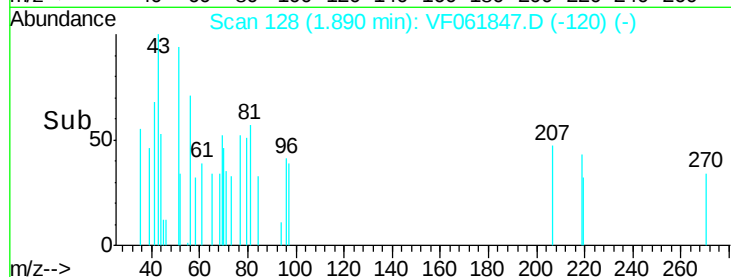
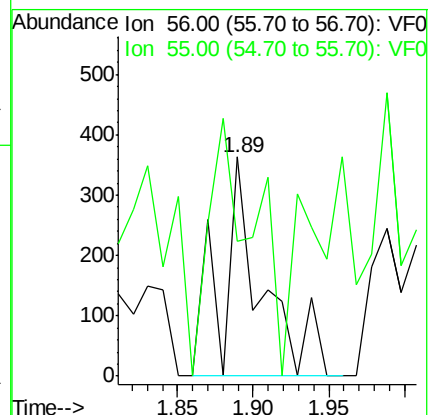
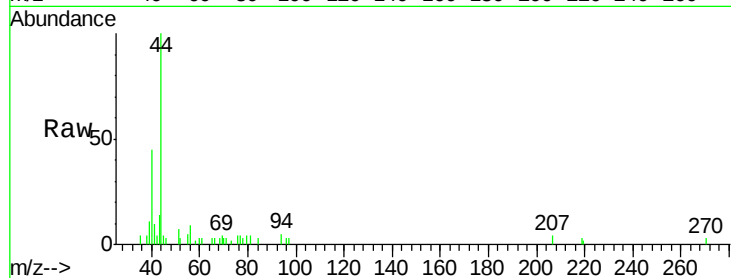
TP-4-B-S

Tot Ion: 56 Resp: 668

Ion Ratio Lower Upper

56 100

55 61.7 51.3 76.9



#16

Acetone

Concen: 49.481 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061847.D

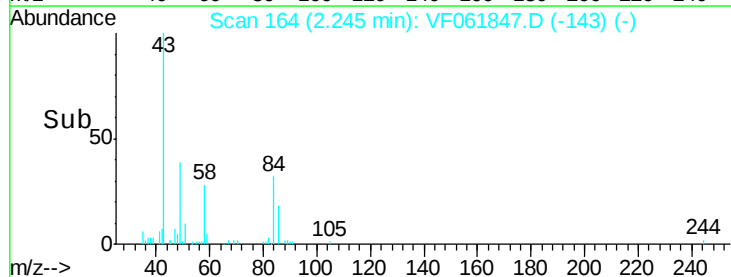
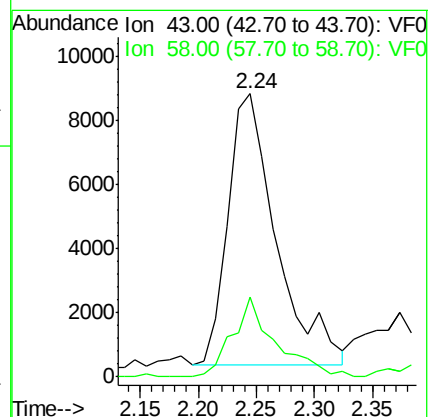
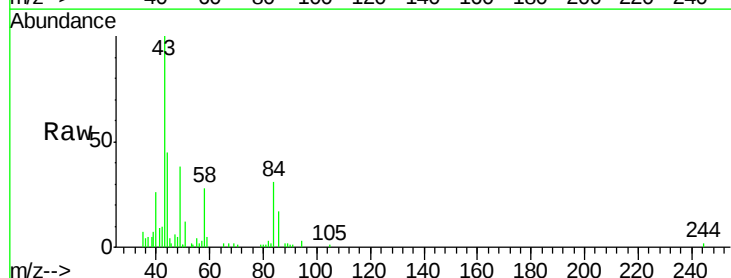
Acq: 5 Mar 2019 16:08

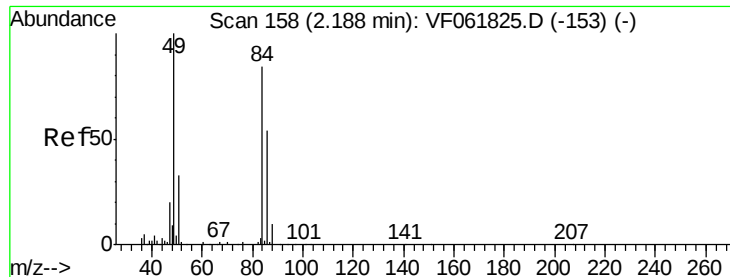
Tgt Ion: 43 Resp: 24377

Ion Ratio Lower Upper

43 100

58 28.2 20.3 30.5

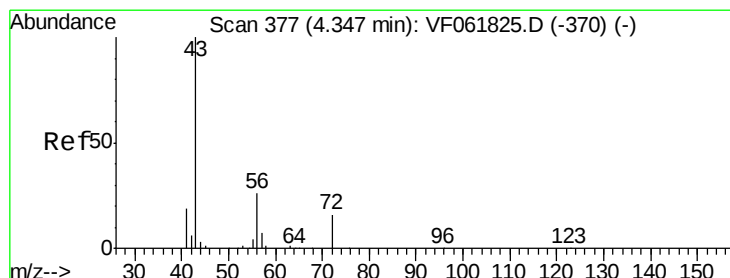
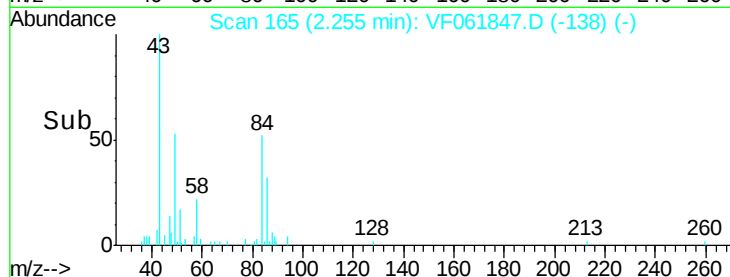
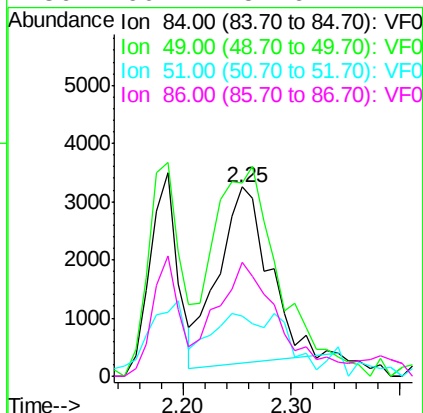
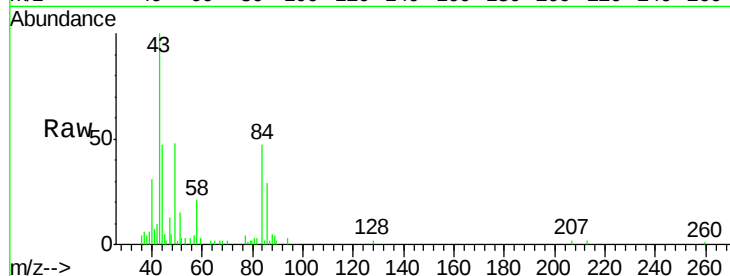




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 165
Delta R.T. 0.07 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

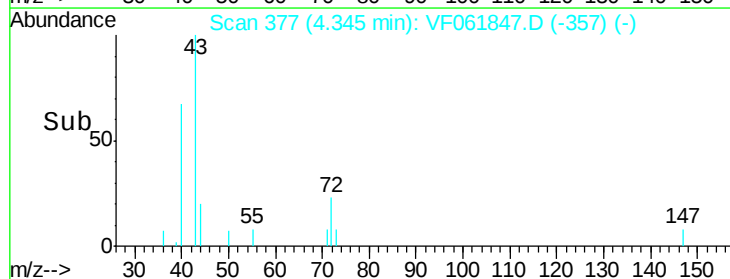
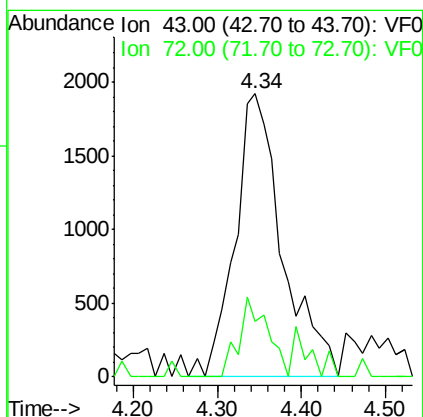
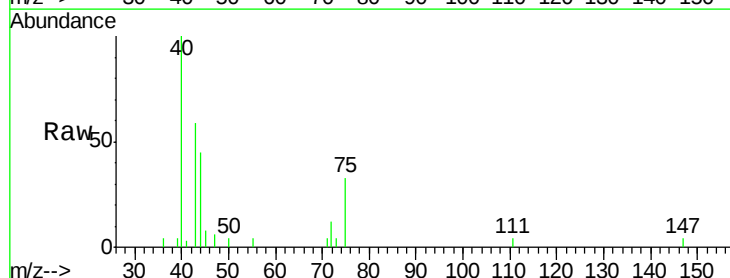
Instrument :
MSVOA_F
ClientSampleId :
TP-4-B-S

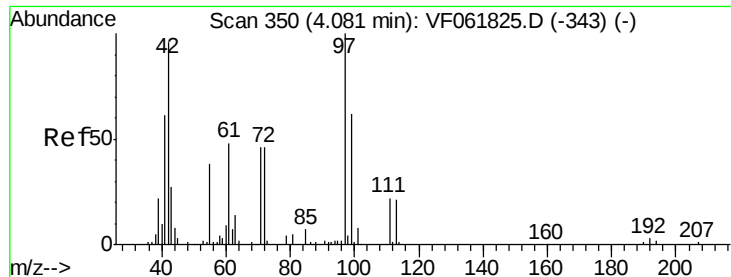
Tot Ion: 84 Resp: 9946
Ion Ratio Lower Upper
84 100
49 102.3 96.8 145.2
51 32.0 31.8 47.6
86 60.4 51.6 77.4



#25
2-Butanone
Concen: 7.558 ug/l
RT: 4.34 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 43 Resp: 7574
Ion Ratio Lower Upper
43 100
72 19.5 16.2 24.4

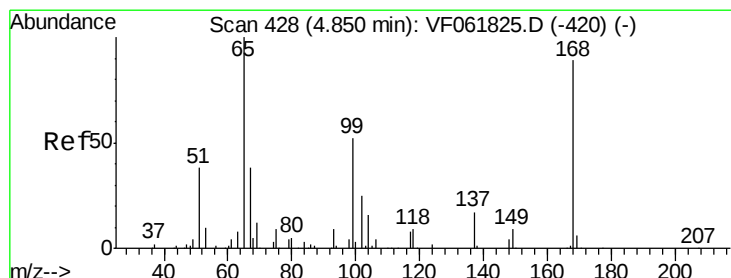
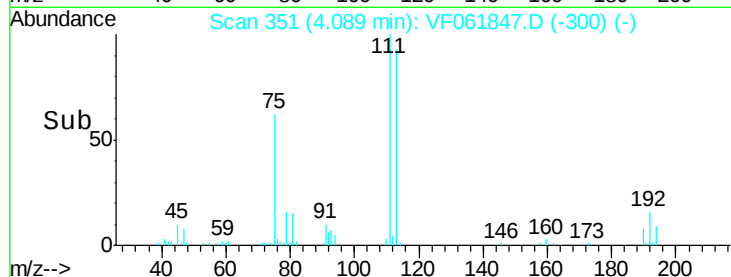
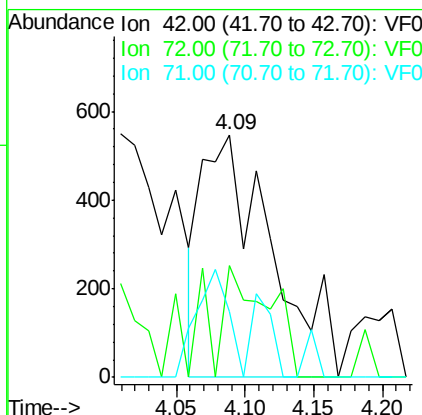
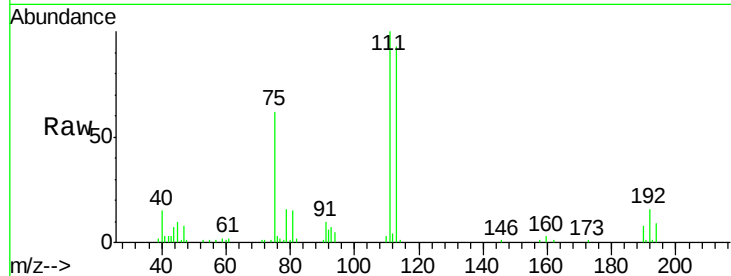




#29
Tetrahydrofuran
Concen: 4.473 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

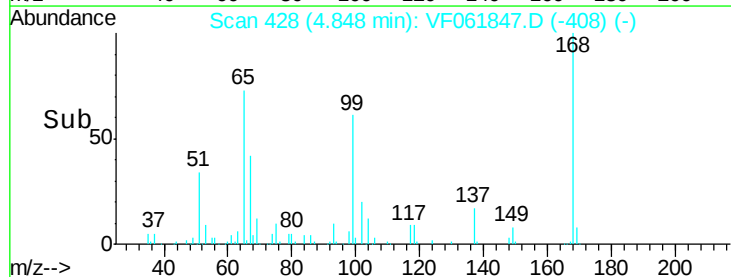
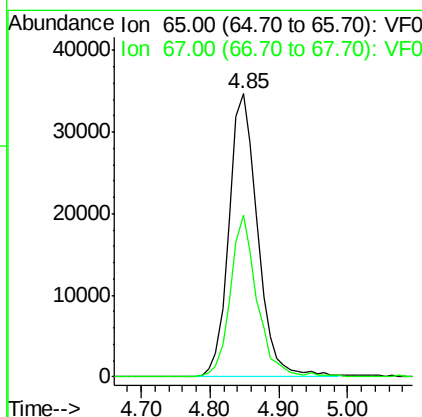
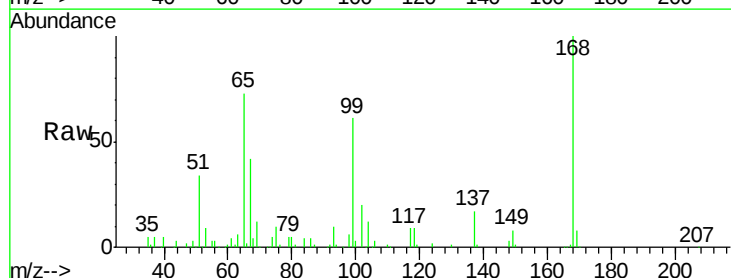
Instrument :
MSVOA_F
ClientSampleId :
TP-4-B-S

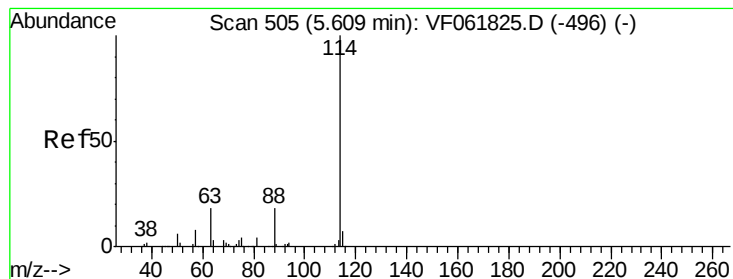
Tot Ion: 42 Resp: 1933
Ion Ratio Lower Upper
42 100
72 29.2 34.4 51.6#
71 10.1 34.6 52.0#



#33
1,2-Dichloroethane-d4
Concen: 42.639 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.00 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 65 Resp: 100281
Ion Ratio Lower Upper
65 100
67 57.2 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

TP-4-B-S

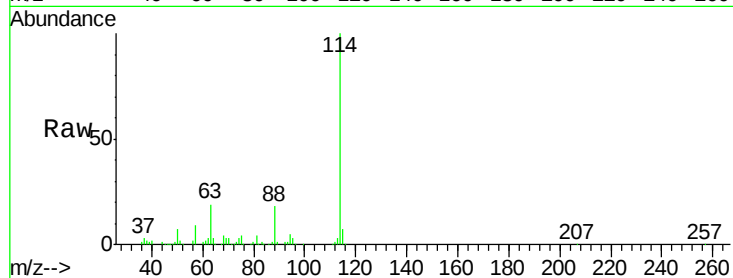
Tot Ion:114 Resp: 469397

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.6

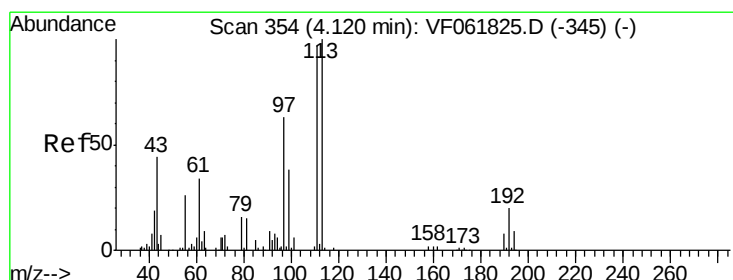
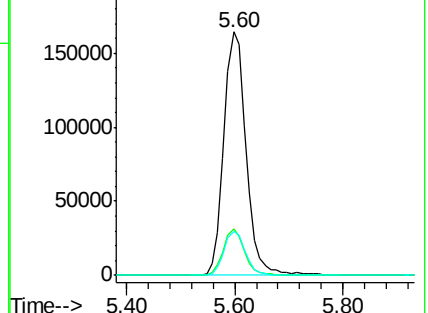
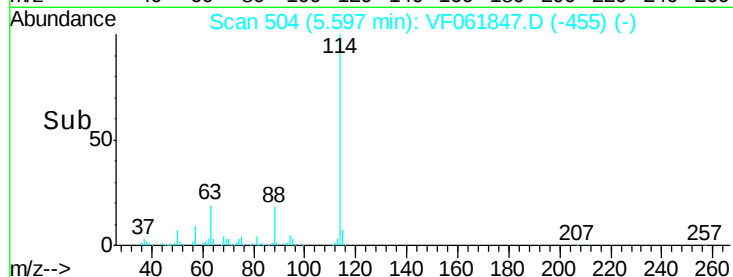
88 17.9 0.0 35.6



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: 45.767 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

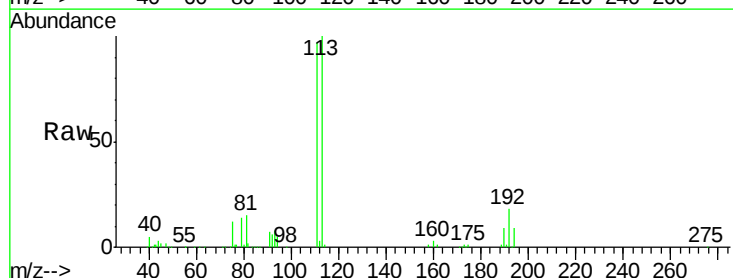
Tgt Ion:113 Resp: 149924

Ion Ratio Lower Upper

113 100

111 96.8 77.6 116.4

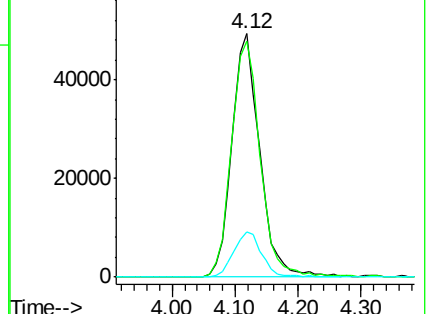
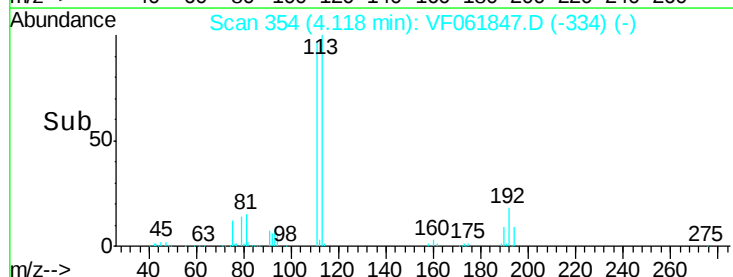
192 18.7 15.9 23.9

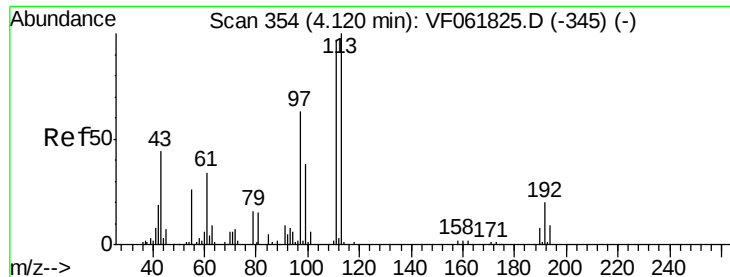


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#37

Ethyl Acetate

Concen: 4.279 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.07 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampled :

TP-4-B-S

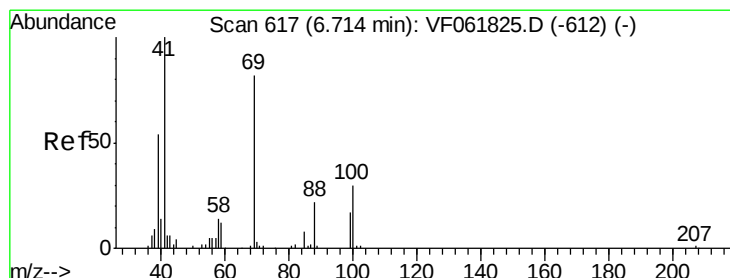
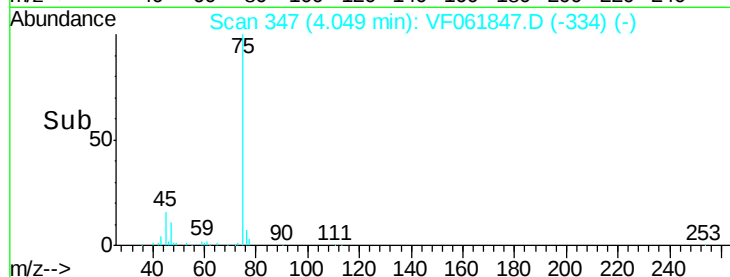
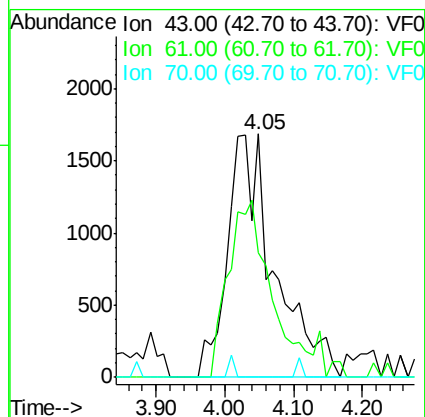
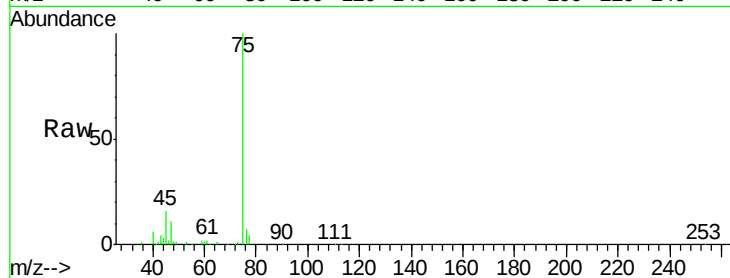
Tot Ion: 43 Resp: 7964

Ion Ratio Lower Upper

43 100

61 50.9 60.7 91.1#

70 0.0 10.6 15.8#



#49

1,4-Dioxane

Concen: 4.521 ug/l

RT: 6.62 min Scan# 608

Delta R.T. -0.09 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

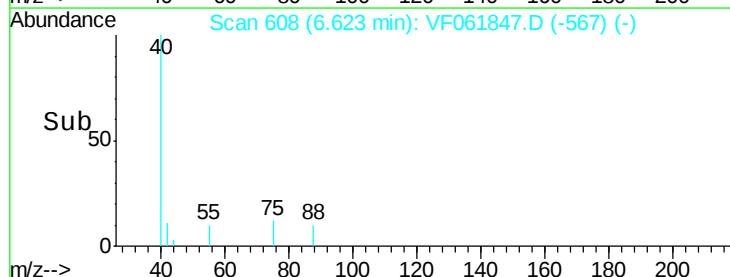
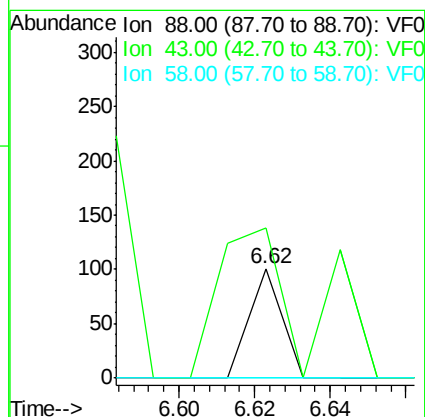
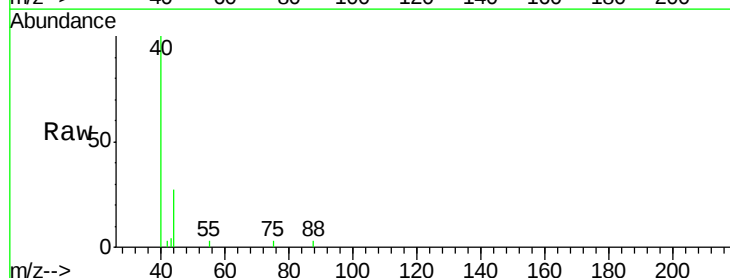
Tgt Ion: 88 Resp: 60

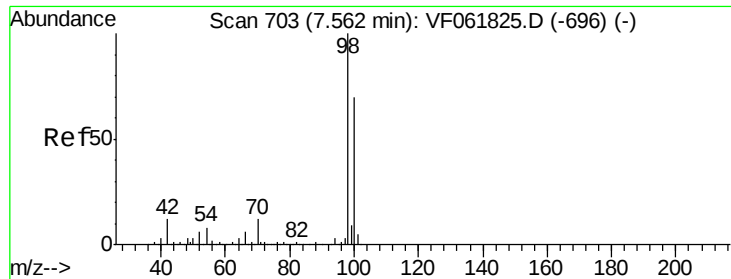
Ion Ratio Lower Upper

88 100

43 136.6 28.4 42.6#

58 0.0 50.7 76.1#

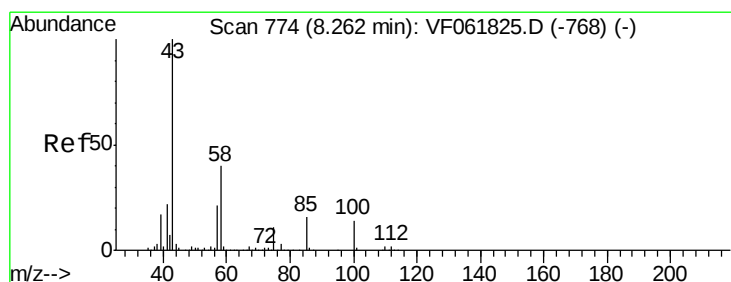
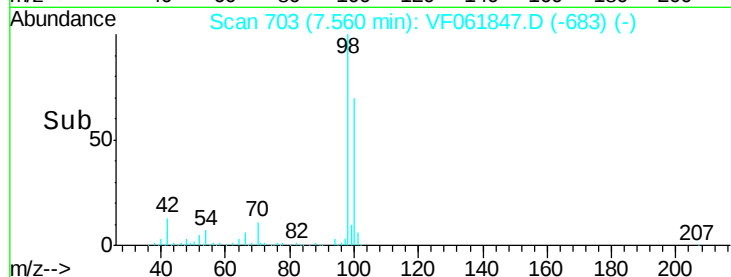
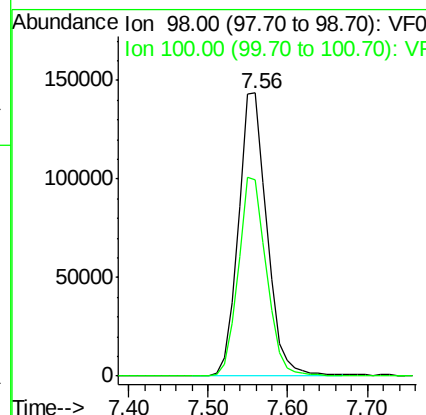
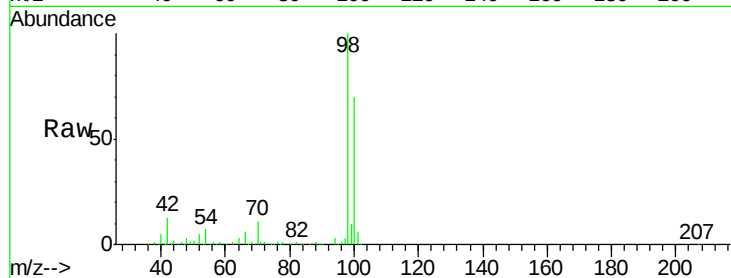




#50
Toluene-d8
Concen: 36.770 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

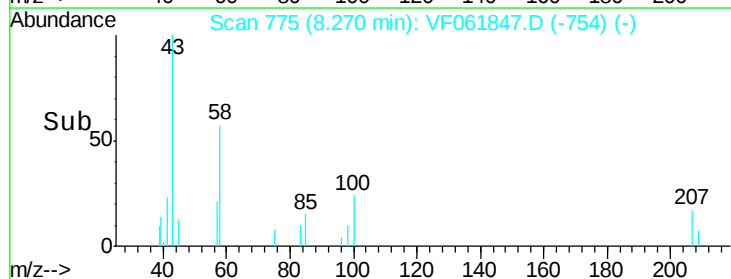
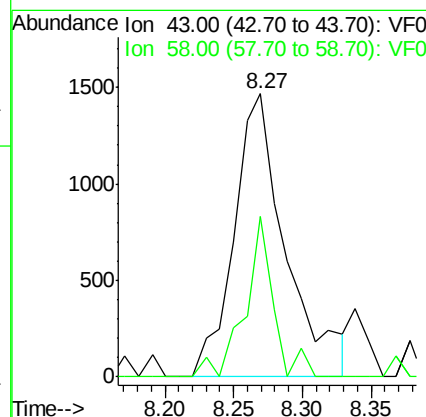
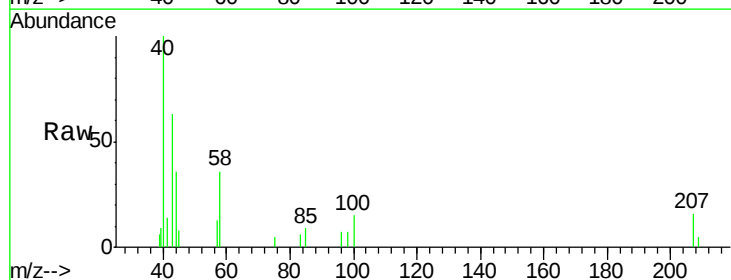
Instrument :
MSVOA_F
ClientSampleId :
TP-4-B-S

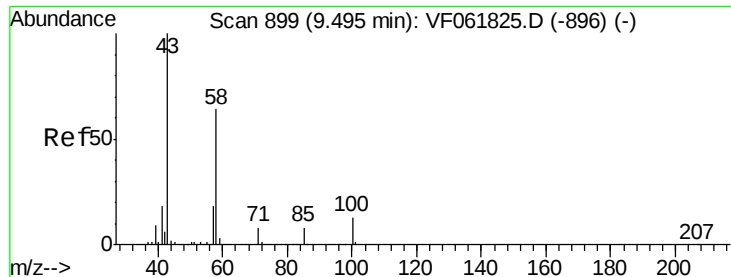
Tot Ion: 98 Resp: 358015
Ion Ratio Lower Upper
98 100
100 69.5 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 2.421 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 43 Resp: 3838
Ion Ratio Lower Upper
43 100
58 56.6 31.8 47.8#

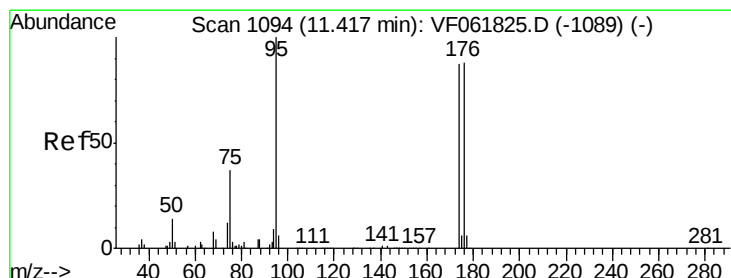
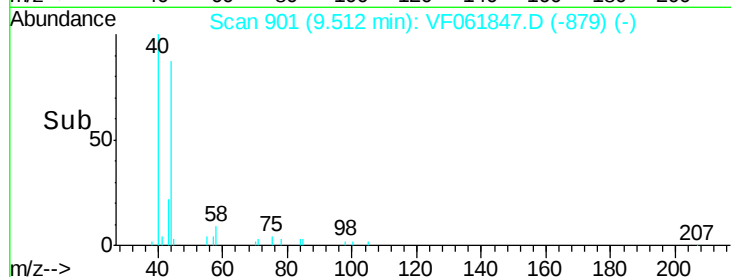
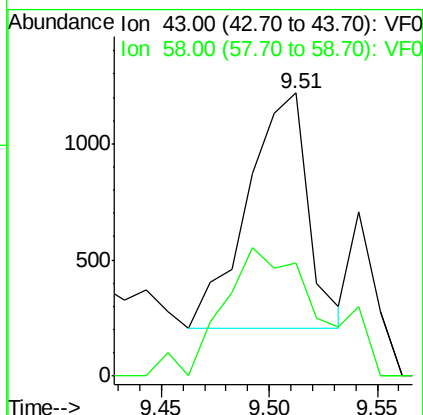
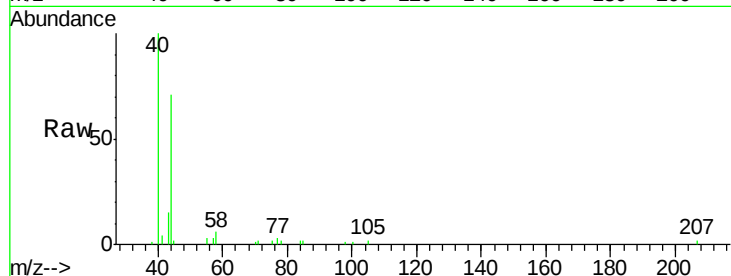




#59
2-Hexanone
Concen: 1.730 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

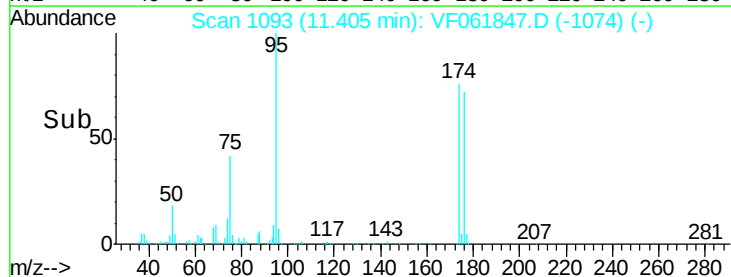
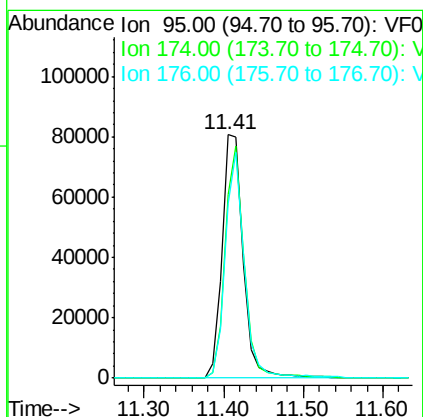
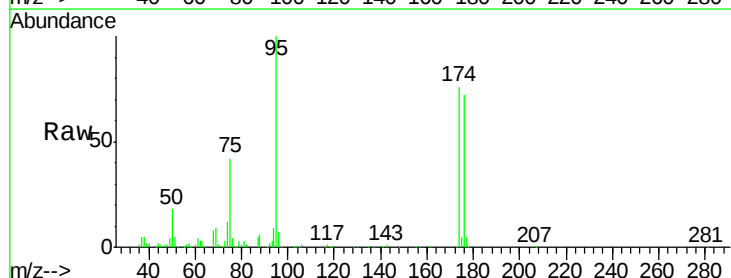
Instrument :
MSVOA_F
ClientSampleId :
TP-4-B-S

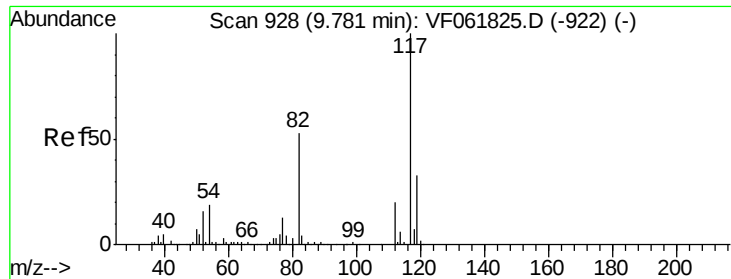
Tot Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
58 39.9 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 39.824 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Tgt Ion: 95 Resp: 151893
Ion Ratio Lower Upper
95 100
174 75.5 0.0 174.0
176 71.9 0.0 175.2

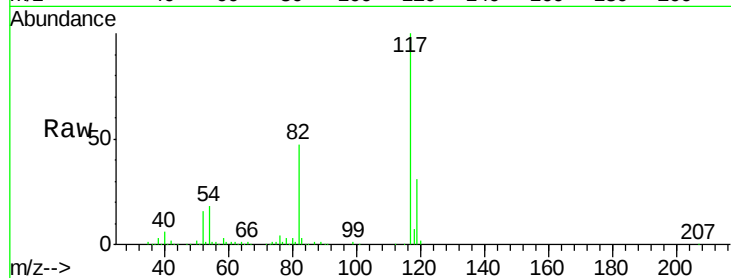




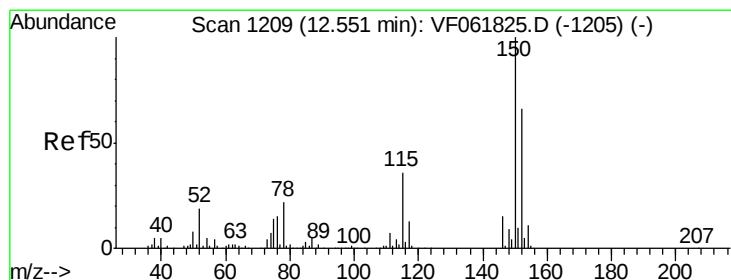
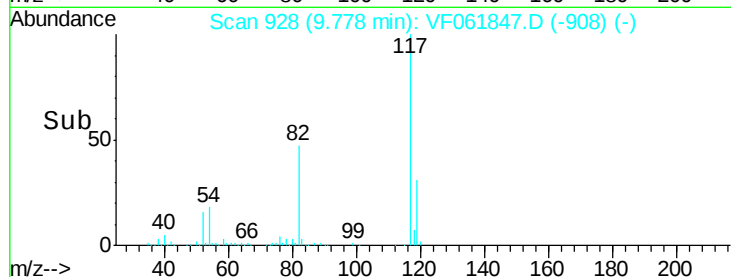
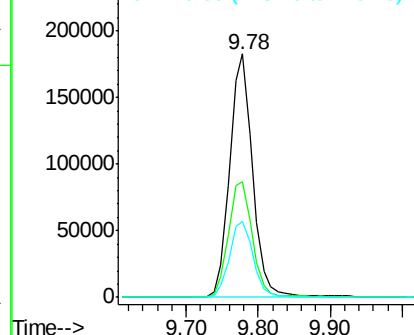
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
TP-4-B-S

Tot Ion:117 Resp: 403872
Ion Ratio Lower Upper
117 100
82 47.3 42.6 63.8
119 31.0 26.0 39.0

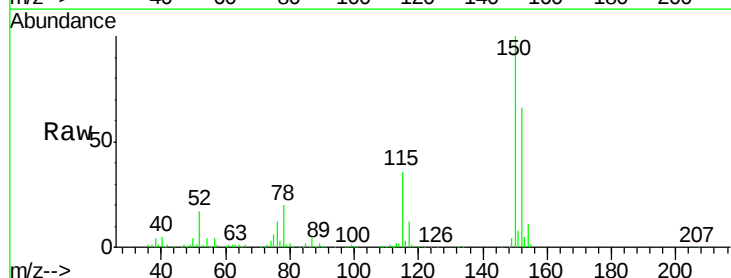


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

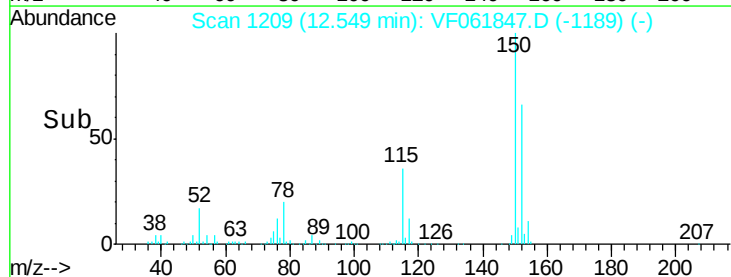
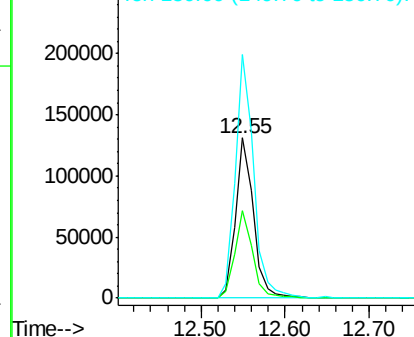


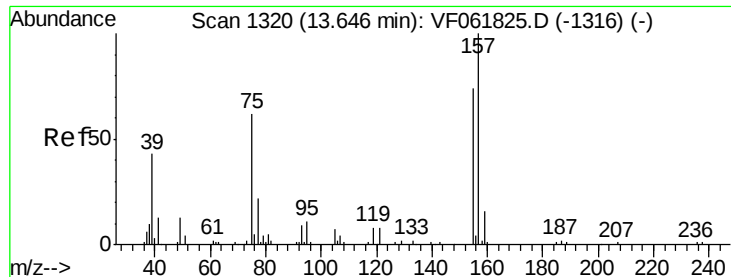
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061847.D
Acq: 5 Mar 2019 16:08

Tgt Ion:152 Resp: 194042
Ion Ratio Lower Upper
152 100
115 54.9 27.7 83.1
150 152.2 0.0 304.2



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.971 ug/l

RT: 13.64 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061847.D

Acq: 5 Mar 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

TP-4-B-S

Tot Ion: 75 Resp: 85

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

