

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061889.D
 Acq On : 11 Mar 2019 15:02
 Operator : VA/AP
 Sample : K1824-03
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-25

Quant Time: Mar 12 05:11:44 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	4.86	168	180664	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	270671	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	213860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	125195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	83554	63.51	ug/l	0.00
Spiked Amount			Recovery	=	127.02%	
35) Dibromofluoromethane	4.11	113	118597	62.79	ug/l	0.00
Spiked Amount			Recovery	=	125.58%	
50) Toluene-d8	7.55	98	290085	51.67	ug/l	-0.02
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.41	95	127553	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	

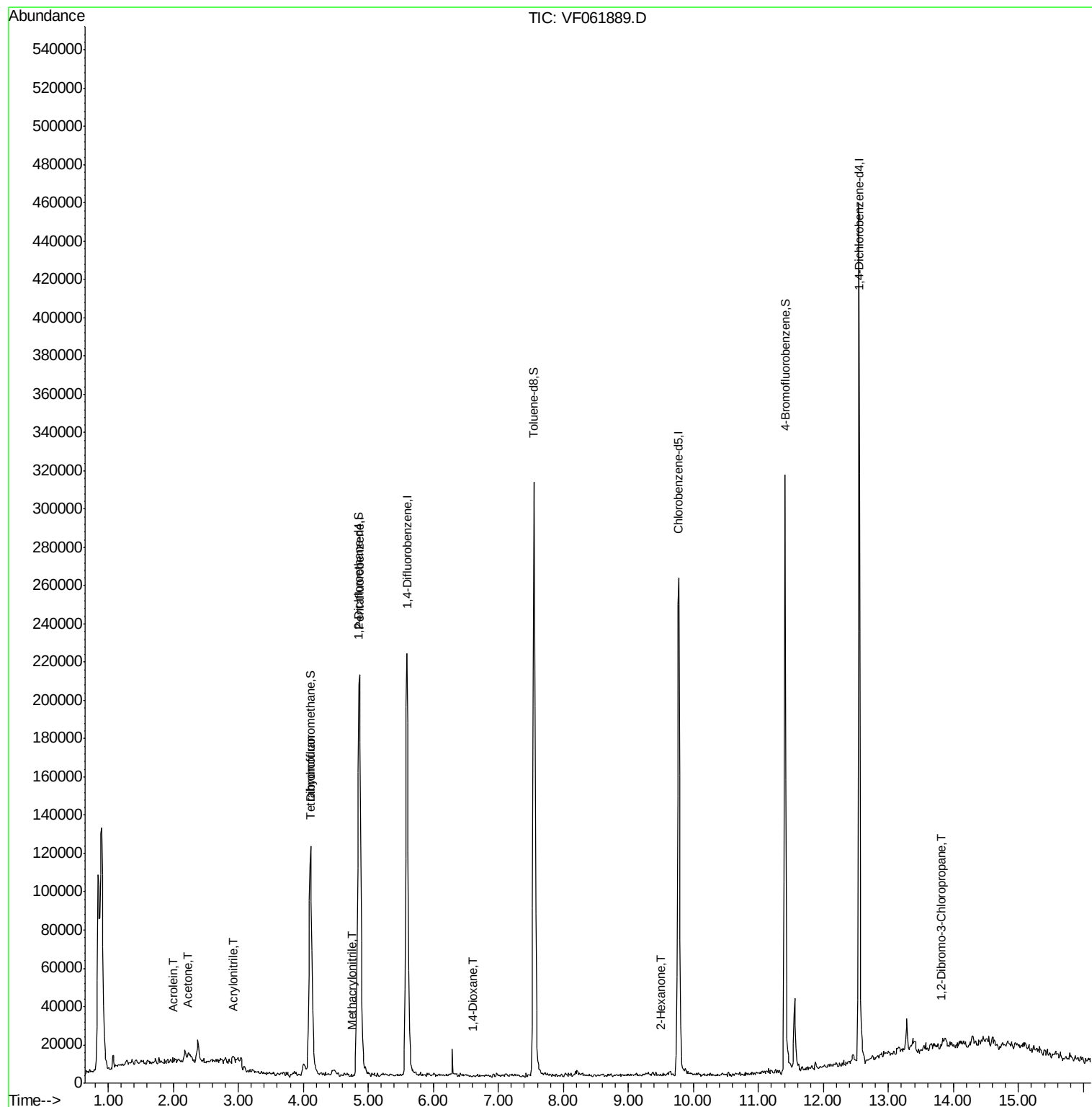
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.98	56	840	8.877	ug/l	90
15) Acrylonitrile	2.93	53	763	3.209	ug/l #	29
16) Acetone	2.24	43	1961	7.115	ug/l	95
18) Methyl Acetate	2.24	43	1961	Below Cal		94
20) Methylene Chloride	2.24	84	2995	Below Cal		89
29) Tetrahydrofuran	4.09	42	747	3.090	ug/l #	33
41) Methacrylonitrile	4.76	41	642	1.092	ug/l #	48
49) 1,4-Dioxane	6.60	88	62	8.101	ug/l #	1
59) 2-Hexanone	9.50	43	704	1.067	ug/l	62
92) 1,2-Dibromo-3-Chloropropan	13.80	75	153	4.336	ug/l #	42

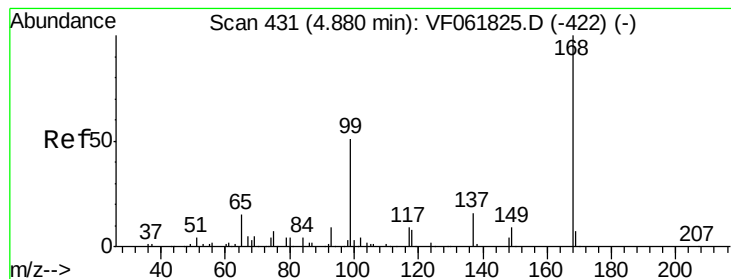
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 12 05:11:44 2019
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: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061889.D

Acq: 11 Mar 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

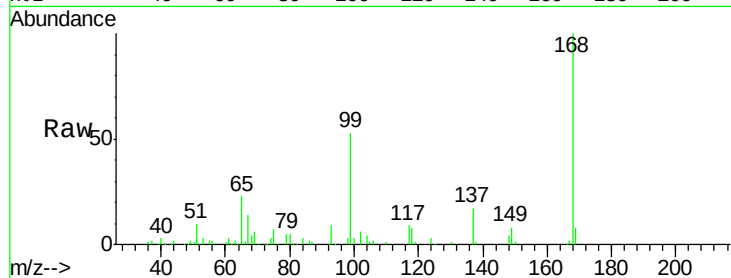
TP-25

Tot Ion:168 Resp: 180664

Ion Ratio Lower Upper

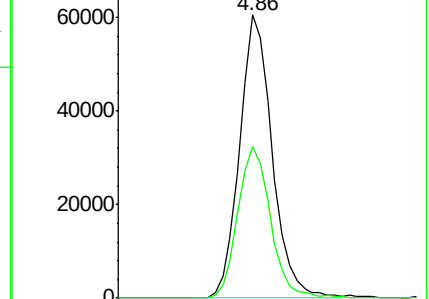
168 100

99 53.4 40.8 61.2

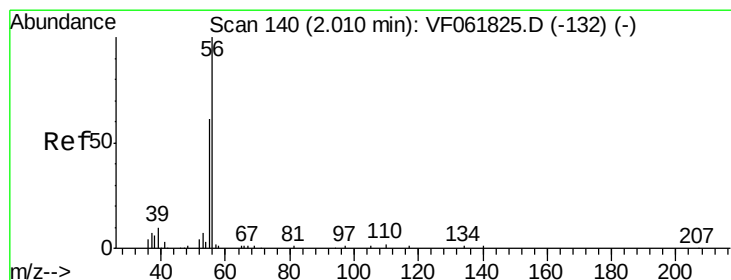
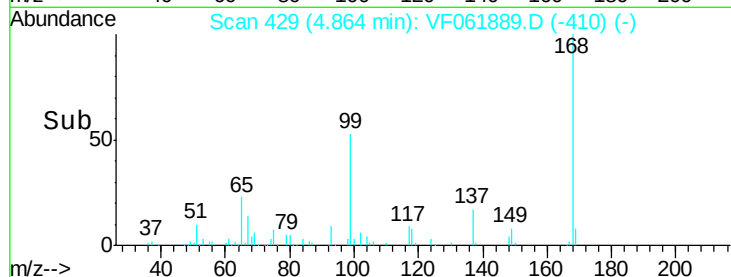


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time--> 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 8.877 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061889.D

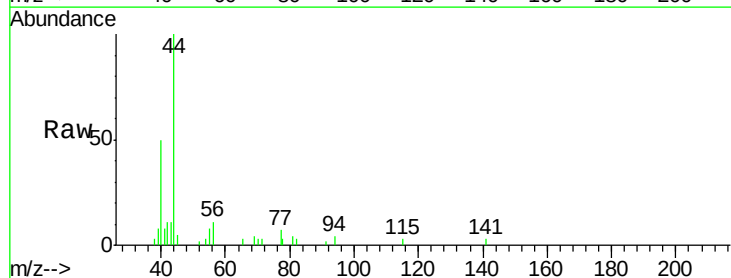
Acq: 11 Mar 2019 15:02

Tgt Ion: 56 Resp: 840

Ion Ratio Lower Upper

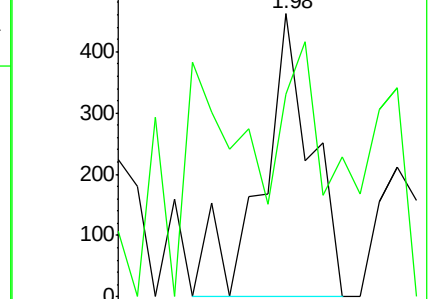
56 100

55 71.6 51.3 76.9

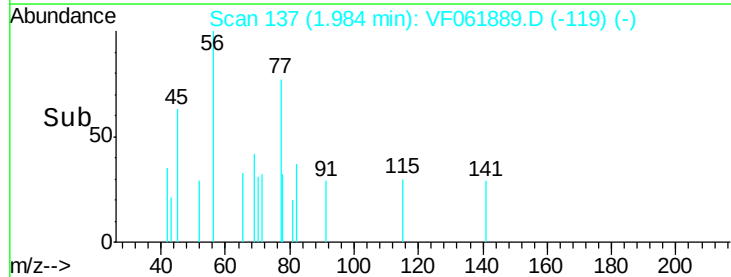


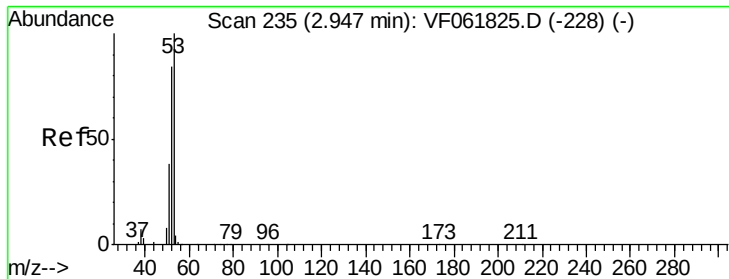
Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 1.90 1.95 2.00





#15

Acrylonitrile

Concen: 3.209 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061889.D

Acq: 11 Mar 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

TP-25

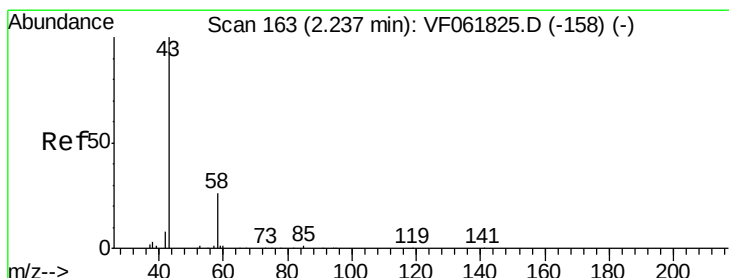
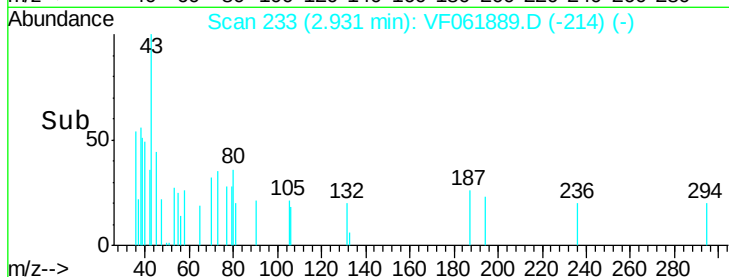
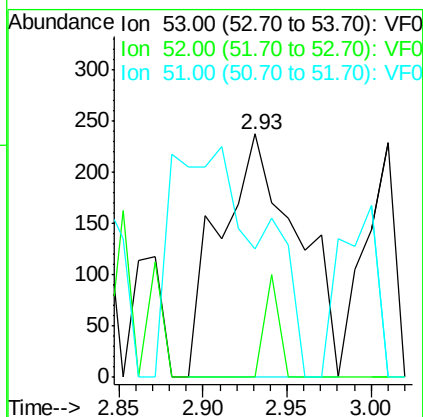
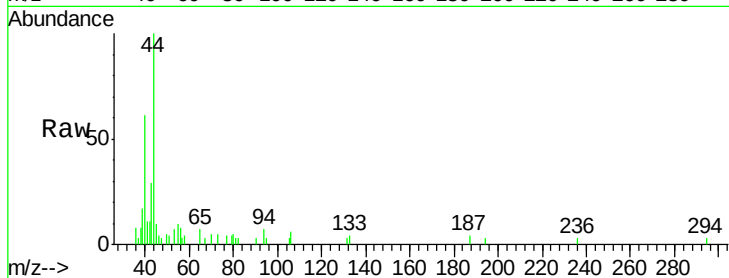
Tot Ion: 53 Resp: 763

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 52.9 30.7 46.1#



#16

Acetone

Concen: 7.115 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061889.D

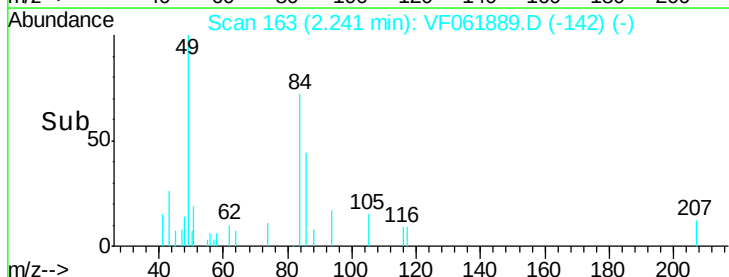
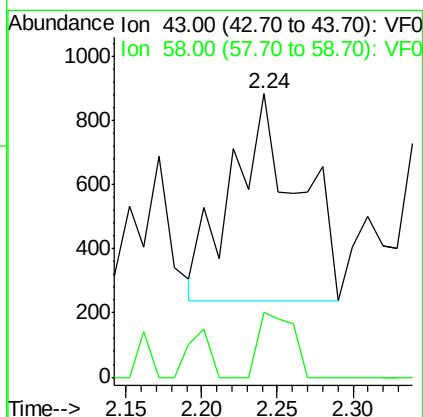
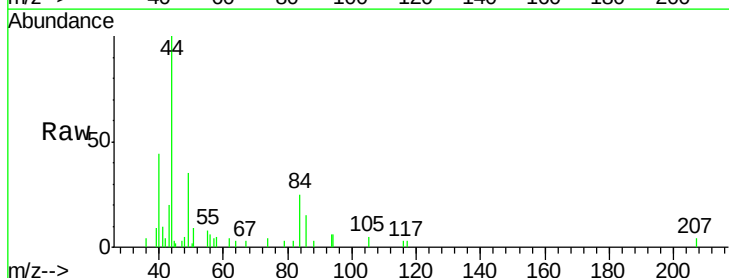
Acq: 11 Mar 2019 15:02

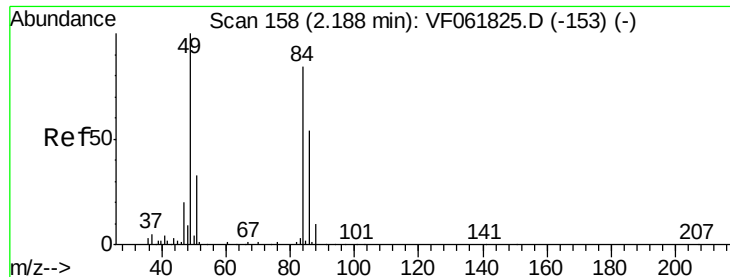
Tgt Ion: 43 Resp: 1961

Ion Ratio Lower Upper

43 100

58 23.0 20.3 30.5

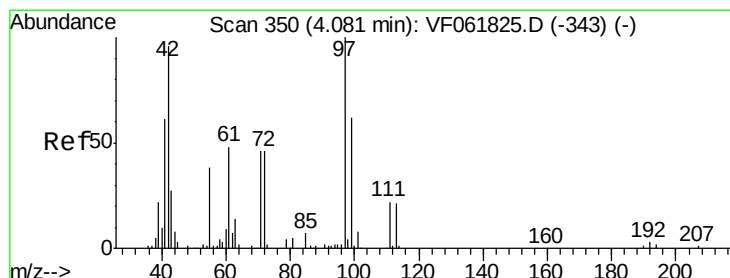
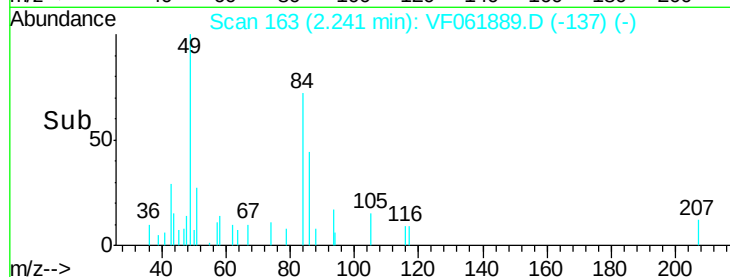
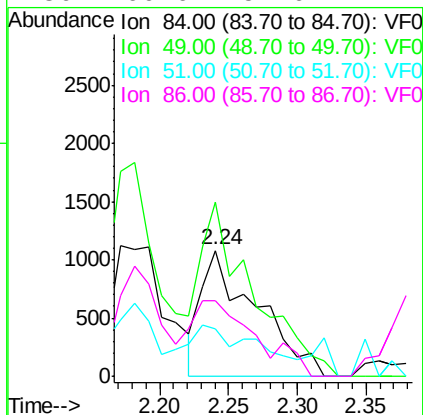
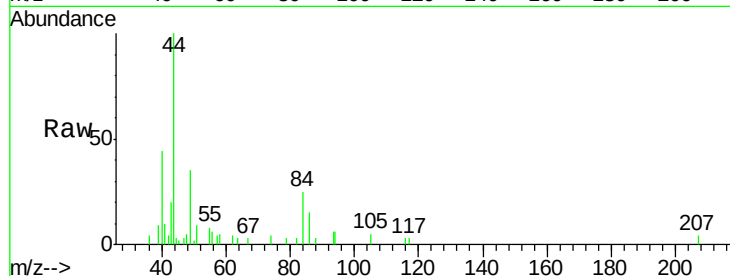




#20
Methylene Chloride
Concen: Below Cal
RT: 2.24 min Scan# 163
Delta R.T. 0.05 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

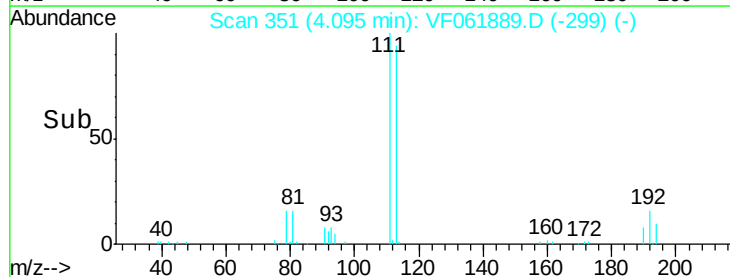
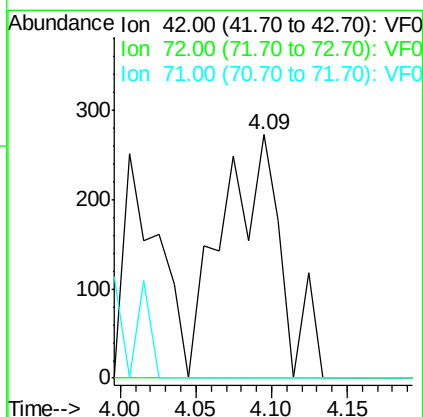
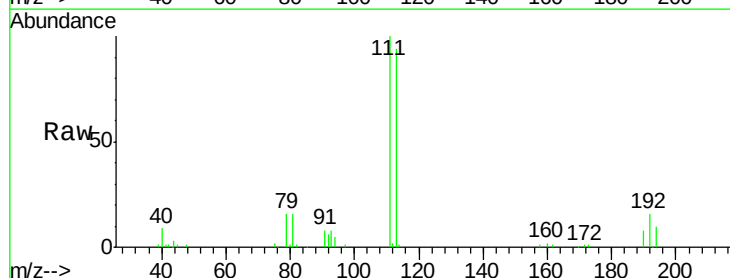
Instrument :
MSVOA_F
ClientSampled :
TP-25

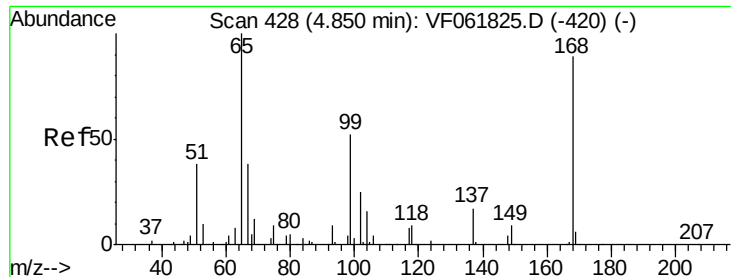
Tot Ion:	84	Resp:	2995
Ion	Ratio	Lower	Upper
84	100		
49	138.9	96.8	145.2
51	37.9	31.8	47.6
86	60.6	51.6	77.4



#29
Tetrahydrofuran
Concen: 3.090 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

Tgt Ion:	42	Resp:	747
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.4	51.6#
71	0.0	34.6	52.0#

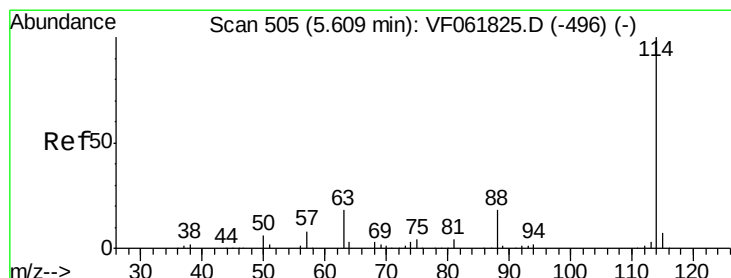
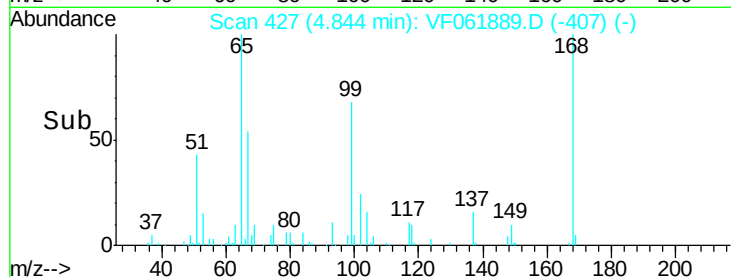
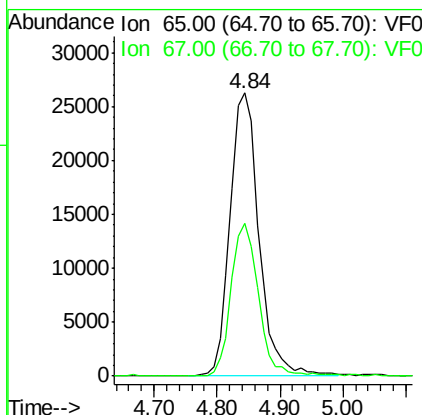
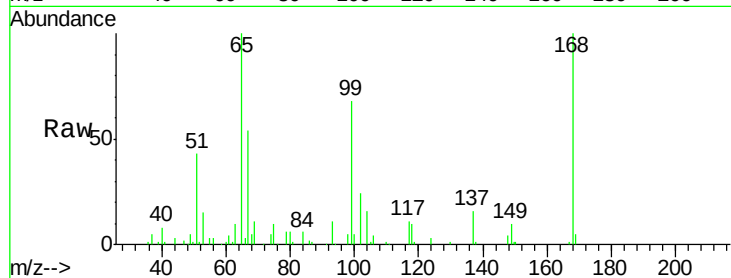




#33
 1,2-Dichloroethane-d4
 Concen: 63.506 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061889.D
 Acq: 11 Mar 2019 15:02

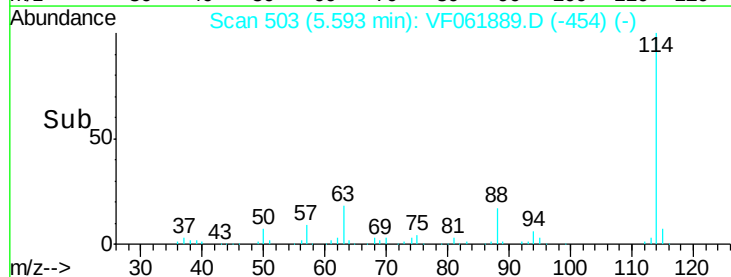
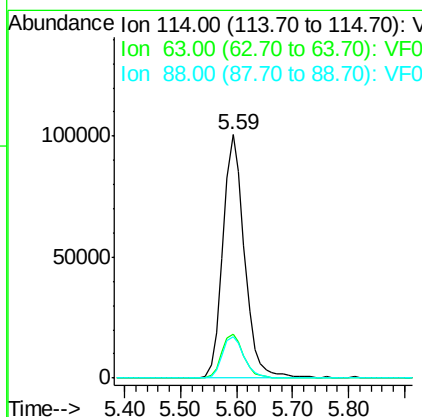
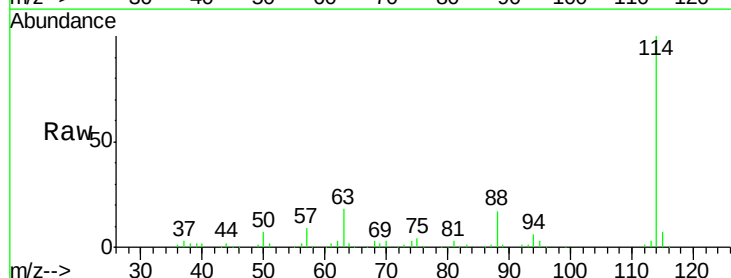
Instrument :
 MSVOA_F
 ClientSampled :
 TP-25

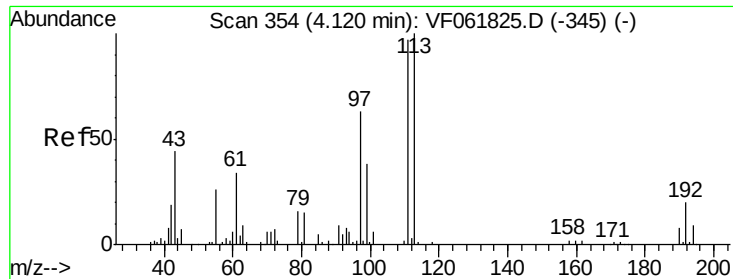
Tot Ion: 65 Resp: 83554
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061889.D
 Acq: 11 Mar 2019 15:02

Tgt Ion: 114 Resp: 270671
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 17.2 0.0 35.6

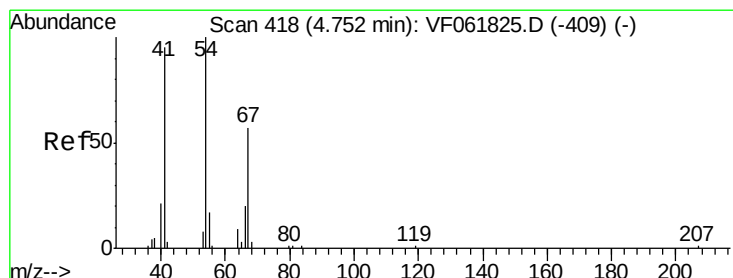
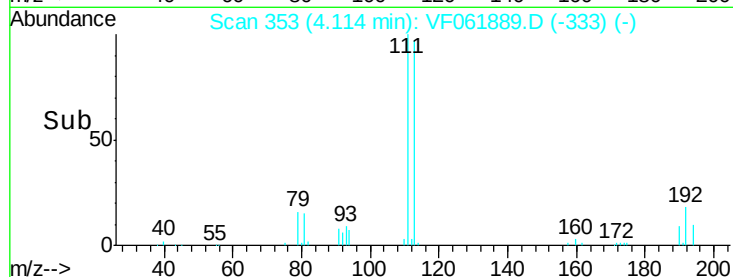
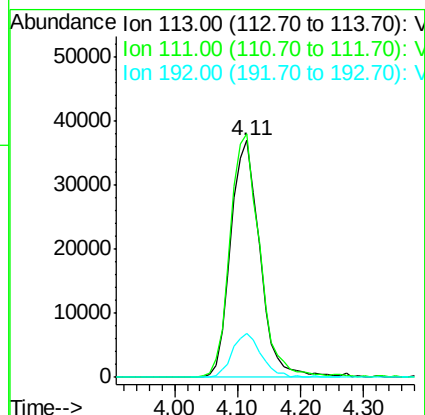
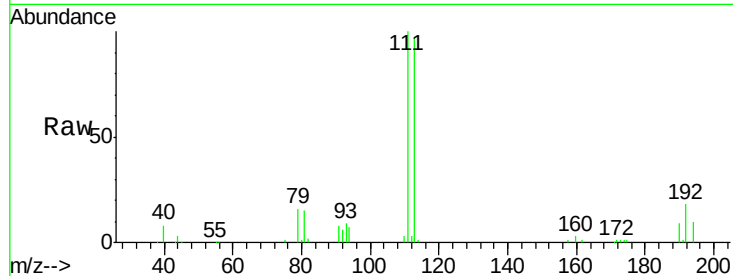




#35
 Dibromofluoromethane
 Concen: 62.785 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061889.D
 Acq: 11 Mar 2019 15:02

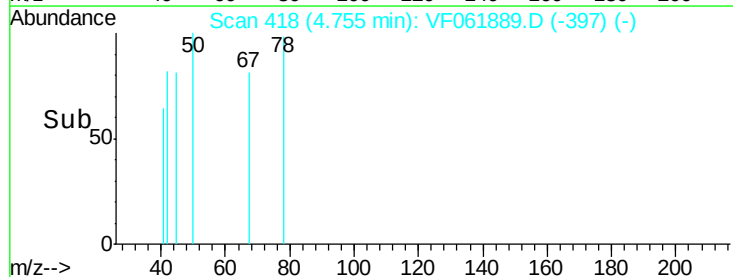
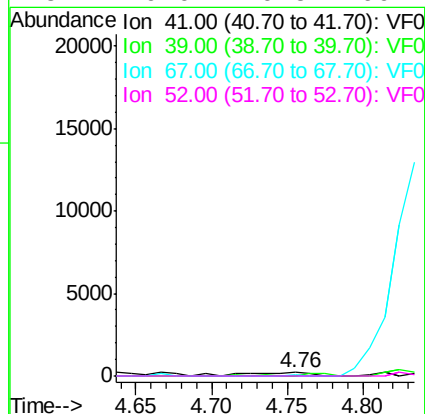
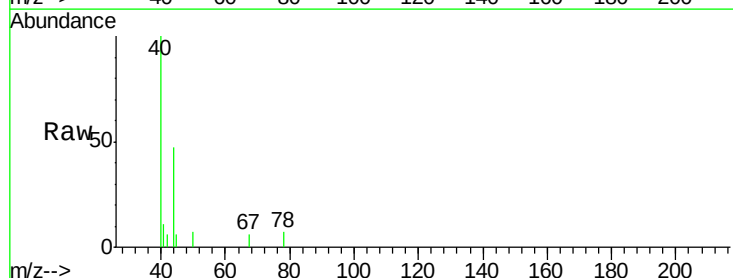
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-25

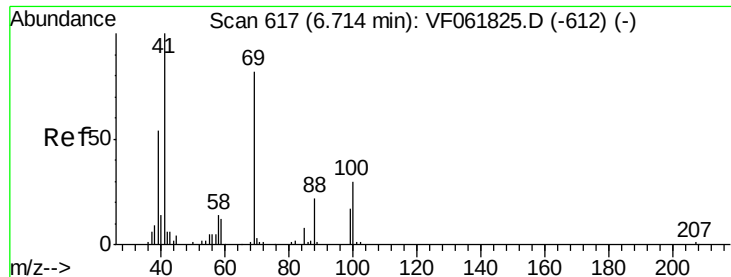
Tot Ion:113 Resp: 118597
 Ion Ratio Lower Upper
 113 100
 111 102.8 77.6 116.4
 192 18.4 15.9 23.9



#41
 Methacrylonitrile
 Concen: 1.092 ug/l
 RT: 4.76 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VF061889.D
 Acq: 11 Mar 2019 15:02

Tgt Ion: 41 Resp: 642
 Ion Ratio Lower Upper
 41 100
 39 0.0 43.0 64.6#
 67 49.8 47.8 71.8
 52 0.0 40.5 60.7#





#49

1,4-Dioxane

Concen: 8.101 ug/l

RT: 6.60 min Scan# 605

Delta R.T. -0.11 min

Lab File: VF061889.D

Acq: 11 Mar 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

TP-25

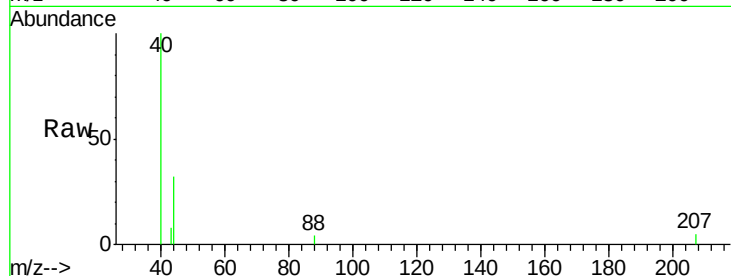
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 188.6 28.4 42.6#

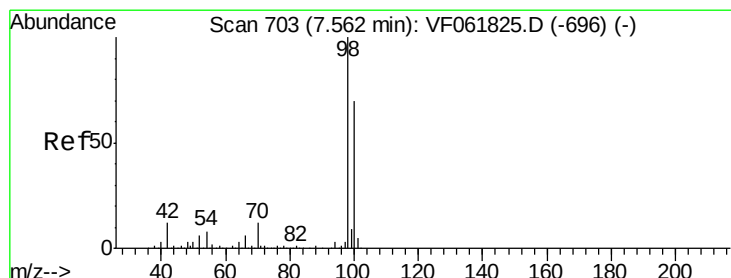
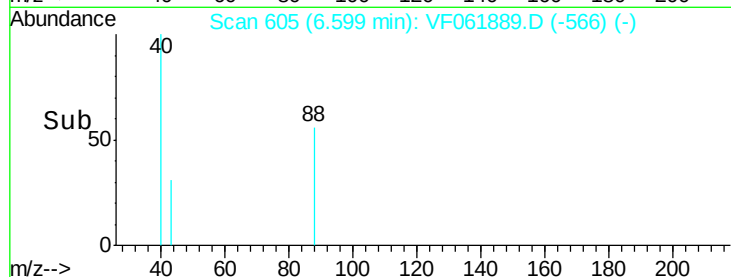
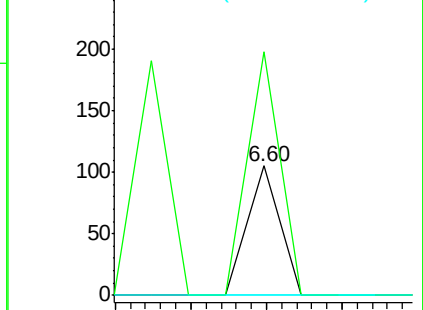
58 0.0 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.667 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061889.D

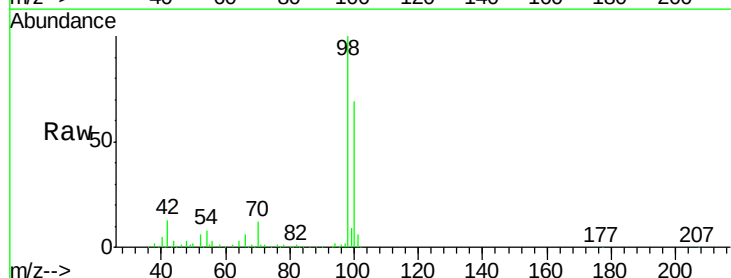
Acq: 11 Mar 2019 15:02

Tgt Ion: 98 Resp: 290085

Ion Ratio Lower Upper

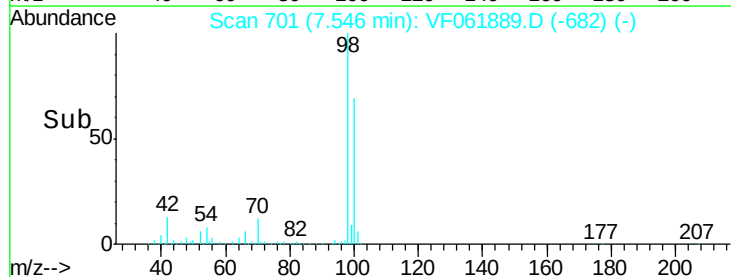
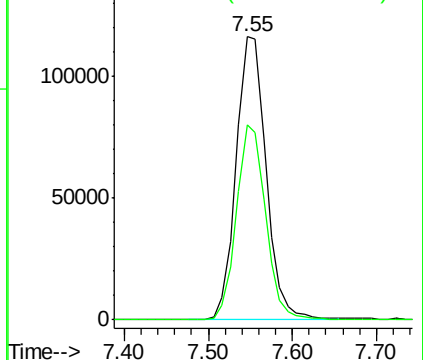
98 100

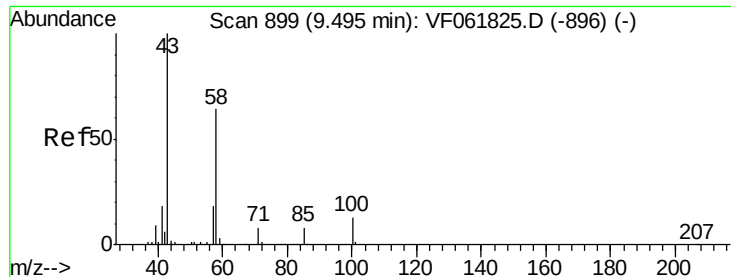
100 68.8 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

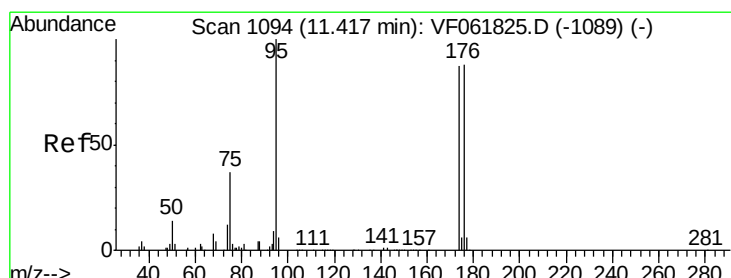
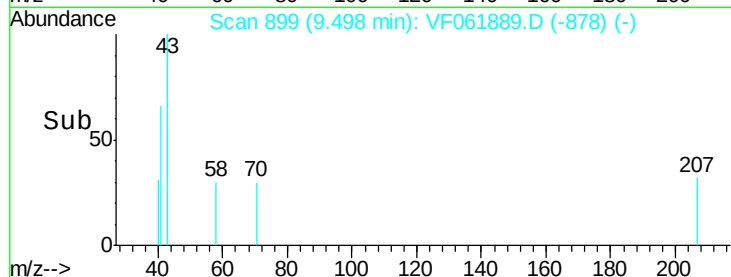
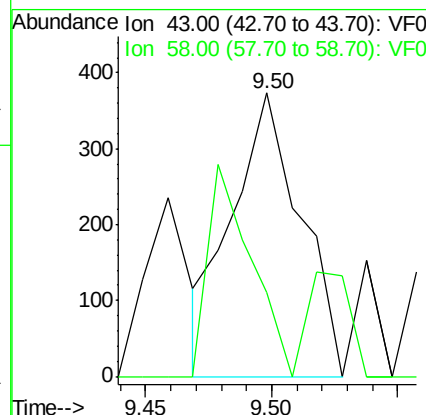
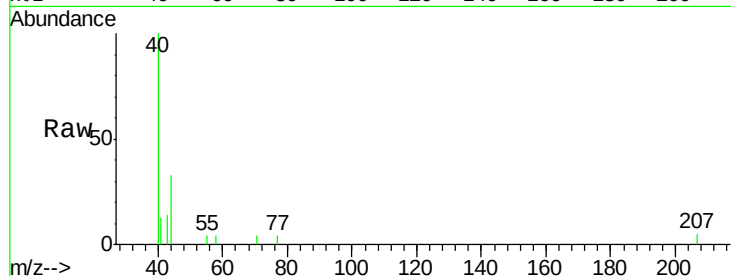




#59
2-Hexanone
Concen: 1.067 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

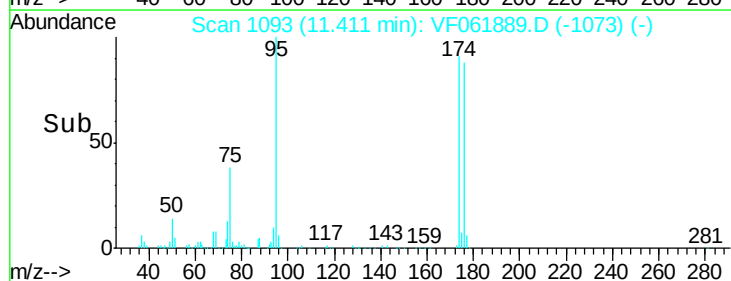
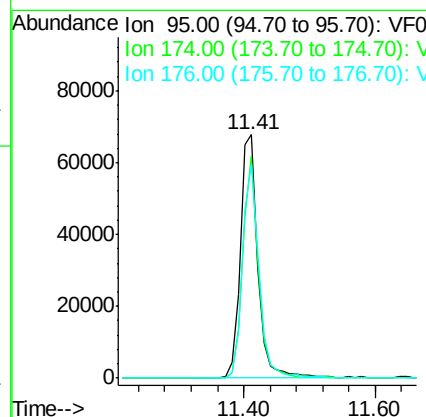
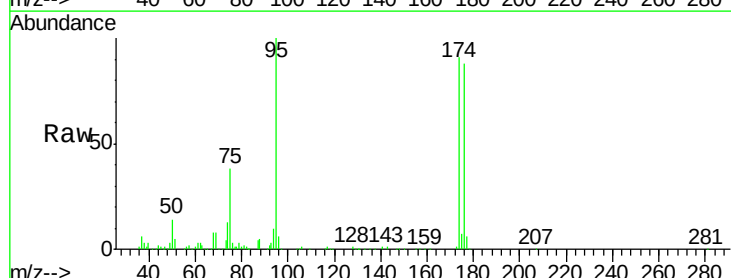
Instrument :
MSVOA_F
ClientSampled :
TP-25

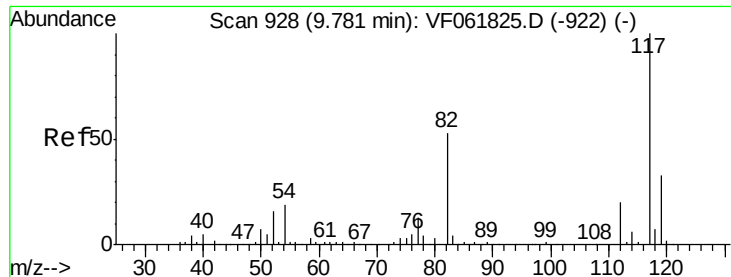
Tot Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 29.8 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 57.996 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

Tgt Ion: 95 Resp: 127553
Ion Ratio Lower Upper
95 100
174 91.0 0.0 174.0
176 88.0 0.0 175.2

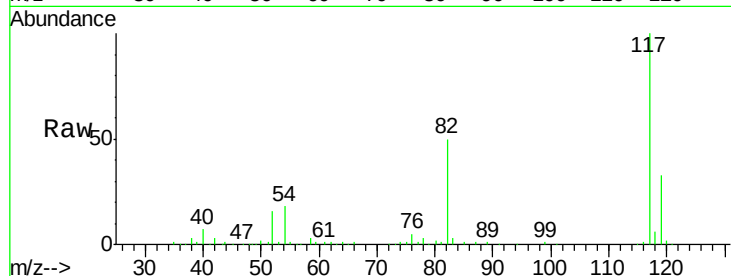




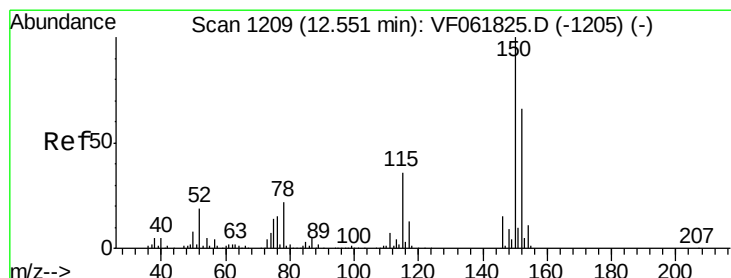
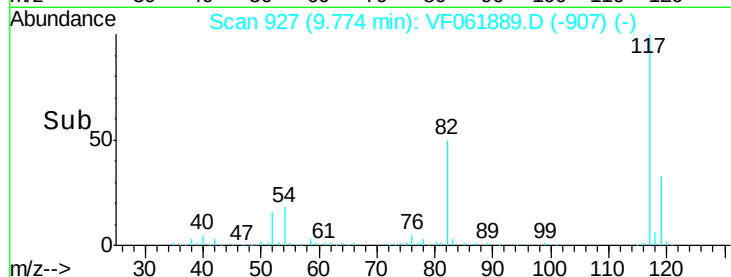
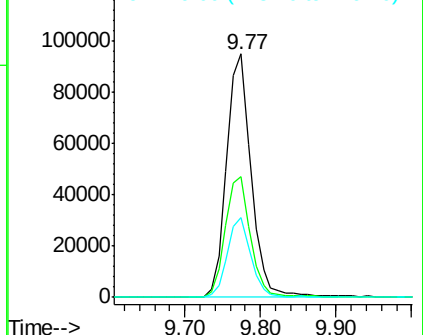
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
TP-25

Tot Ion:117 Resp: 213860
Ion Ratio Lower Upper
117 100
82 49.6 42.6 63.8
119 32.7 26.0 39.0

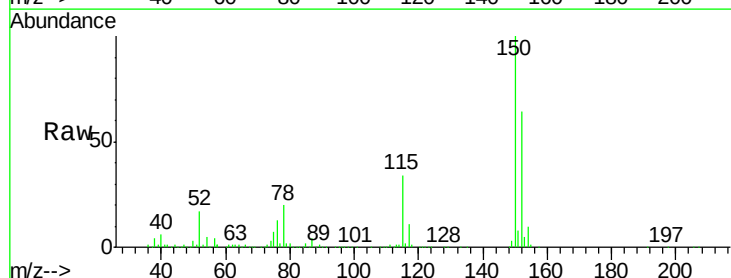


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

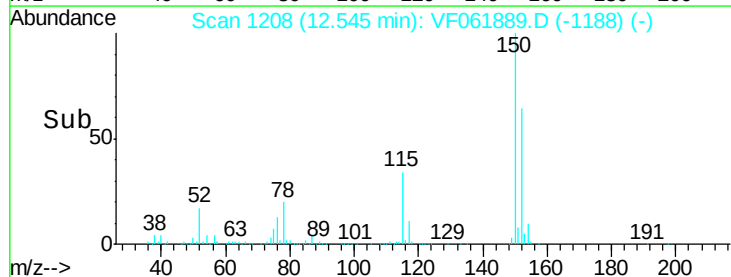
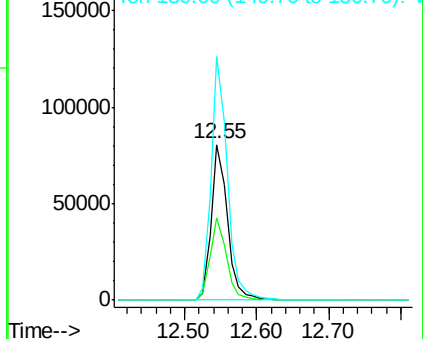


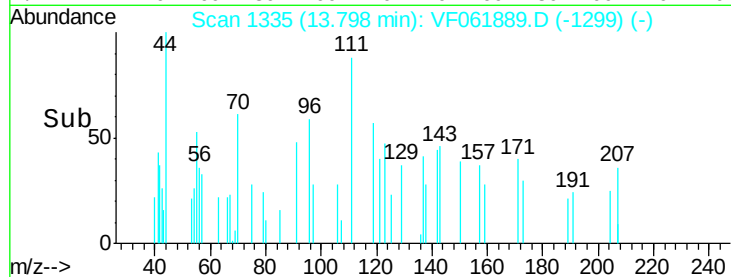
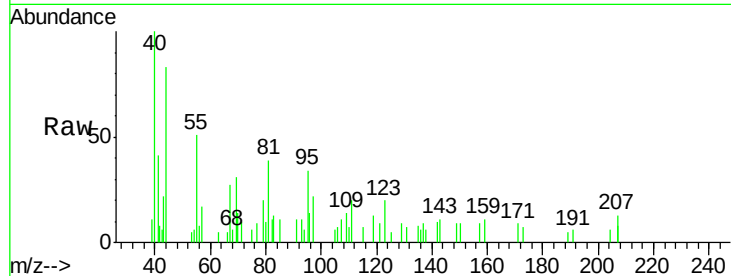
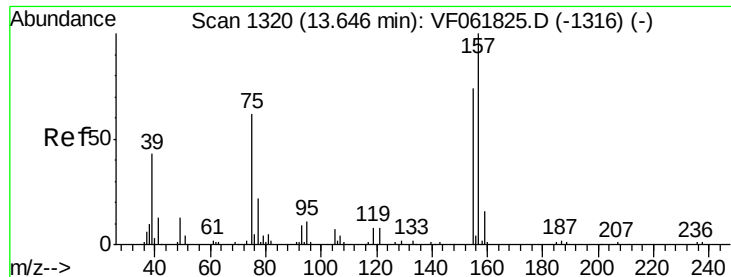
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061889.D
Acq: 11 Mar 2019 15:02

Tgt Ion:152 Resp: 125195
Ion Ratio Lower Upper
152 100
115 53.4 27.7 83.1
150 156.8 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: 4.336 ug/l

RT: 13.80 min Scan# 1335

Delta R.T. 0.15 min

Lab File: VF061889.D

Acq: 11 Mar 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

TP-25

Tot Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 134.1 81.2 243.4

