

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061645.D
 Acq On : 14 Feb 2019 17:29
 Operator : VA/AP
 Sample : K1484-07
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-2-D

Quant Time: Feb 15 00:48:27 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	4.87	168	370061	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	554726	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	497570	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	288815	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	124126	45.74	ug/l	-0.02
Spiked Amount						
			Recovery	=	91.48%	
35) Dibromofluoromethane	4.11	113	186021	45.16	ug/l	0.00
Spiked Amount						
			Recovery	=	90.32%	
50) Toluene-d8	7.55	98	483176	40.80	ug/l	0.00
Spiked Amount						
			Recovery	=	81.60%	
62) 4-Bromofluorobenzene	11.41	95	222178	46.37	ug/l	0.00
Spiked Amount						
			Recovery	=	92.74%	

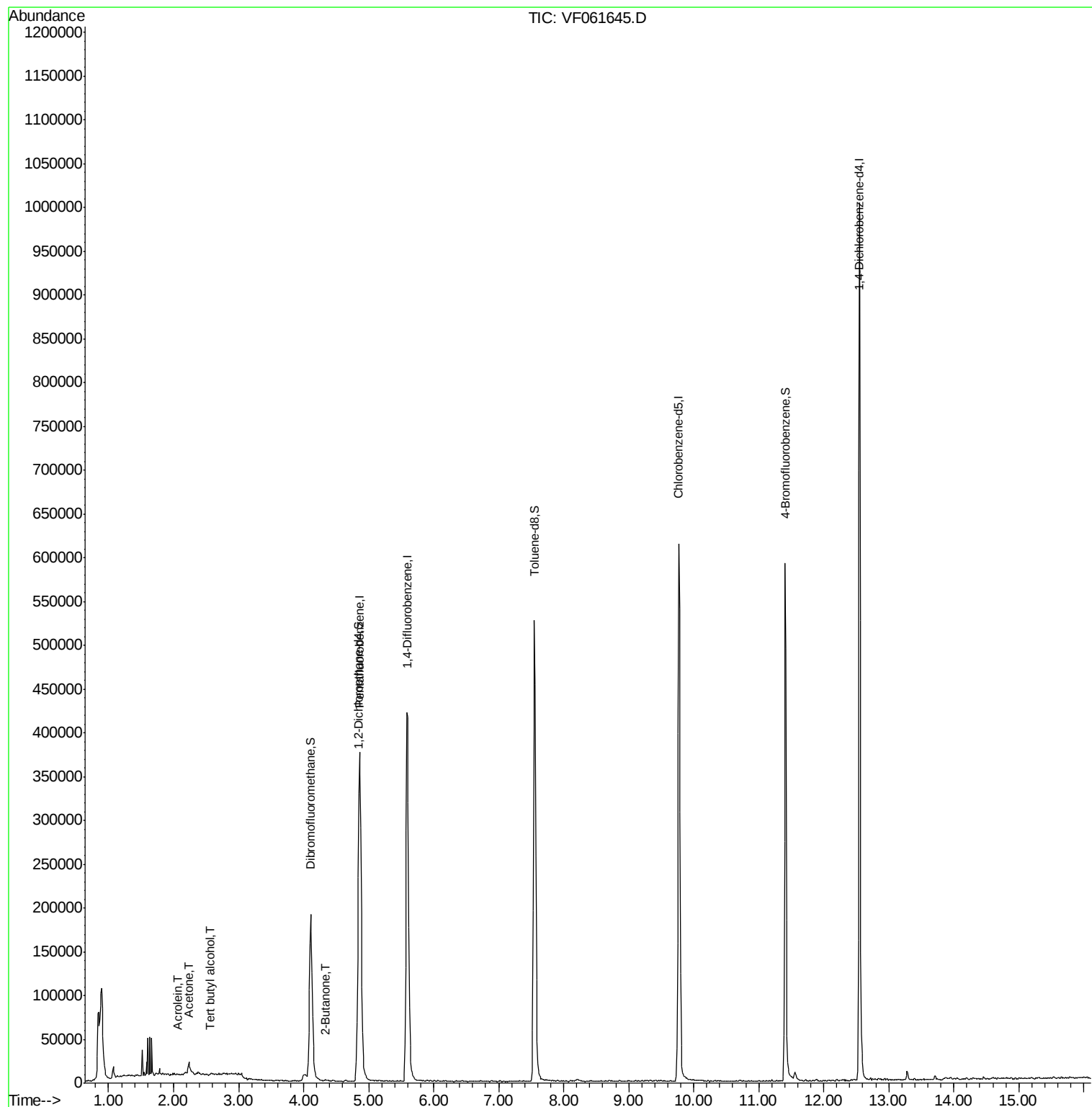
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	572	3.642	ug/l #	1
13) Acrolein	2.06	56	499	2.528	ug/l	98
16) Acetone	2.24	43	21888	37.593	ug/l	96
20) Methylene Chloride	2.19	84	882	Below Cal	#	59
25) 2-Butanone	4.34	43	2314	1.819	ug/l	97

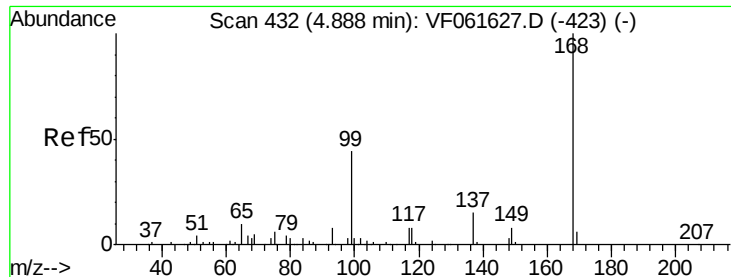
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
Data File : VF061645.D
Acq On : 14 Feb 2019 17:29
Operator : VA/AP
Sample : K1484-07
Misc : 6.01g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
M-2-D

Quant Time: Feb 15 00:48:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

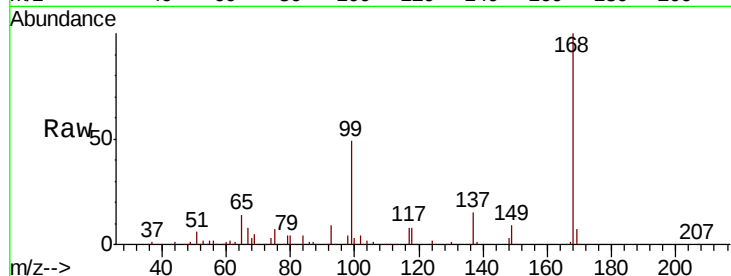
M-2-D

Tgt Ion:168 Resp: 370061

Ion Ratio Lower Upper

168 100

99 49.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

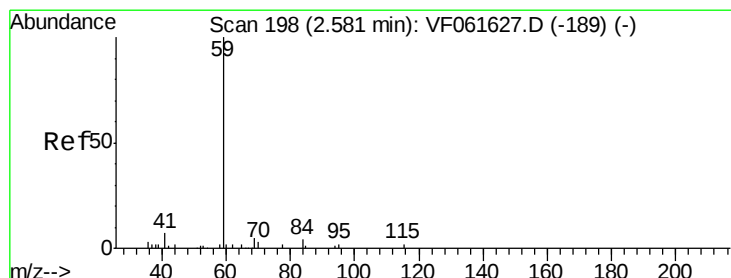
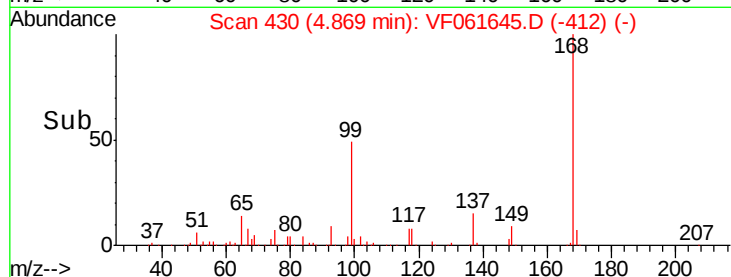
4.87

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.642 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061645.D

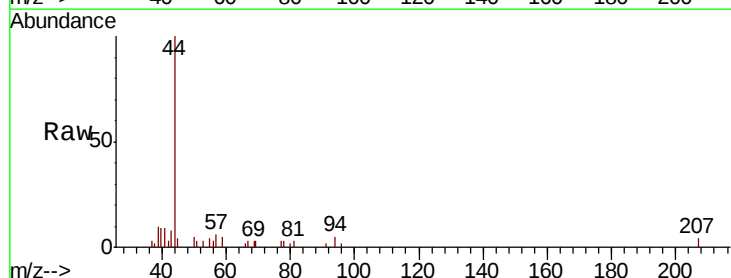
Acq: 14 Feb 2019 17:29

Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

57 120.2 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

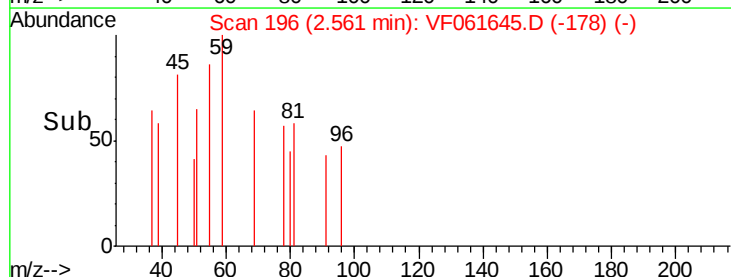
300

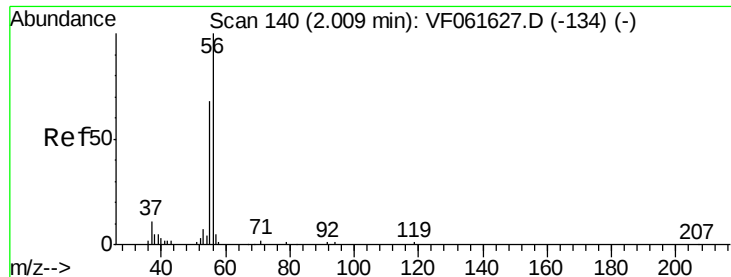
200

100

0

Time-->





#13

Acrolein

Concen: 2.528 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.05 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

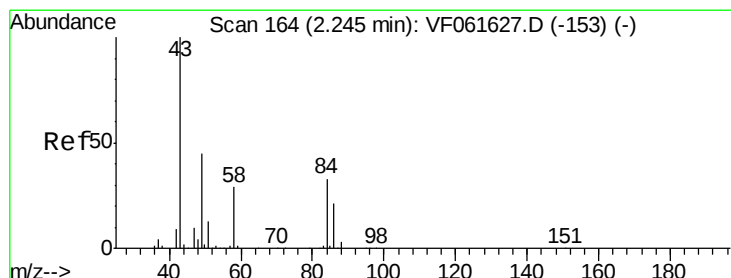
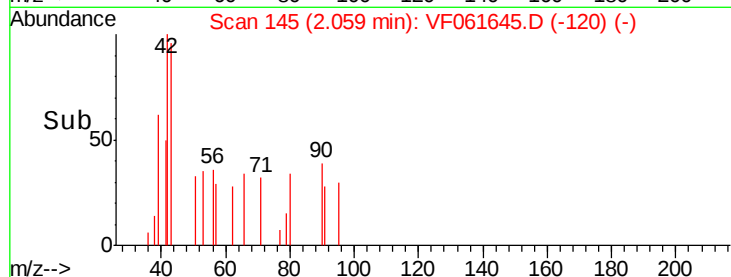
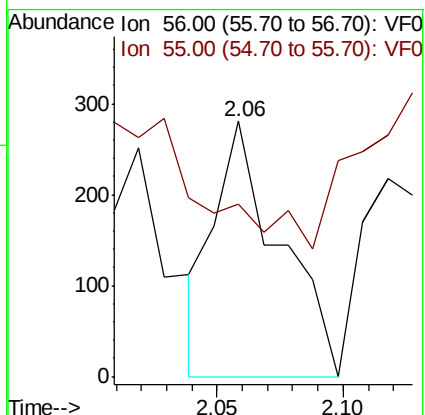
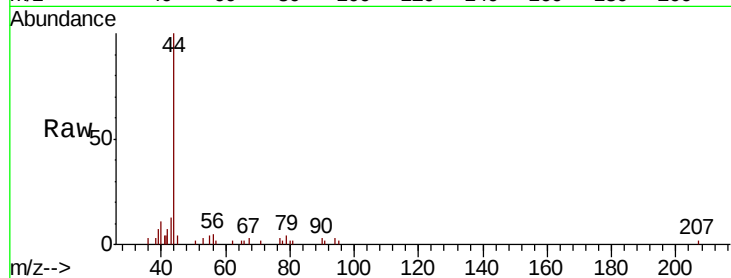
M-2-D

Tgt Ion: 56 Resp: 499

Ion Ratio Lower Upper

56 100

55 67.3 55.0 82.6



#16

Acetone

Concen: 37.593 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061645.D

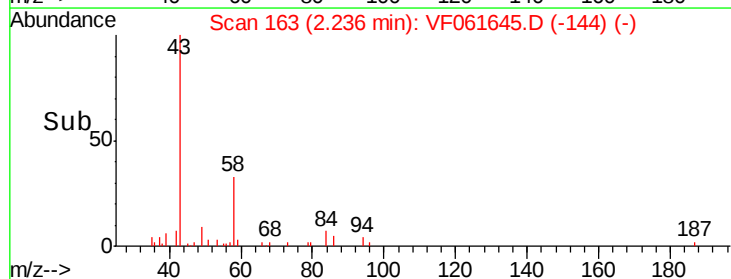
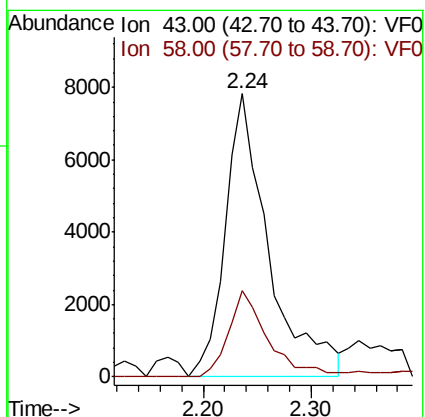
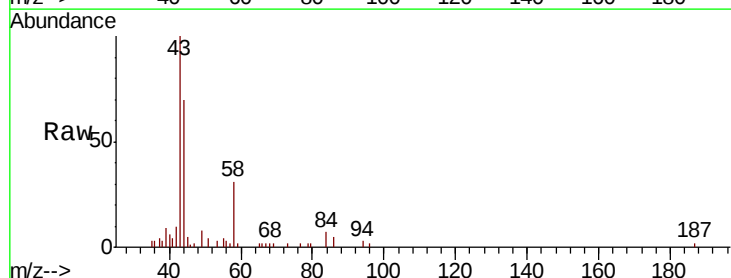
Acq: 14 Feb 2019 17:29

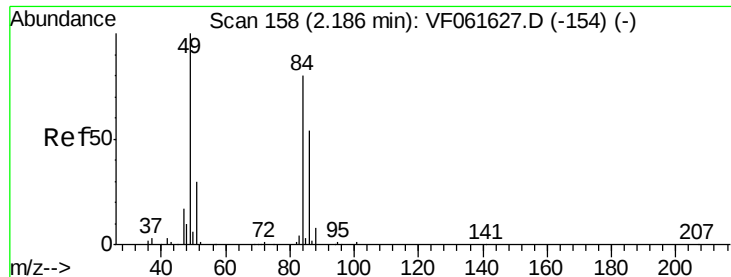
Tgt Ion: 43 Resp: 21888

Ion Ratio Lower Upper

43 100

58 30.5 22.9 34.3





#20

Methylene Chloride

Concen: Below Cal

RT: 2.19 min Scan# 158

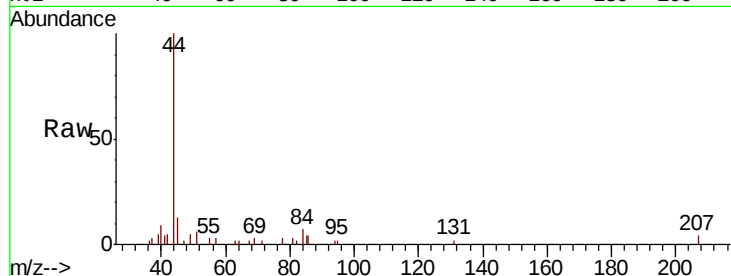
Delta R.T. 0.00 min

Lab File: VF061645.D

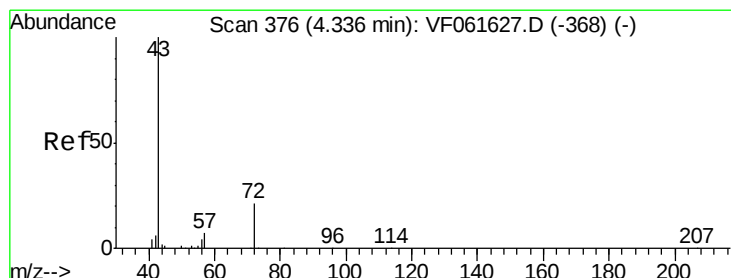
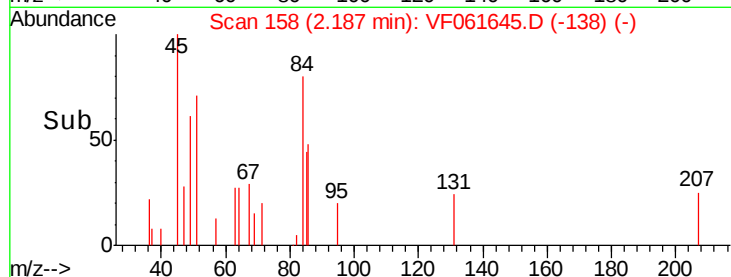
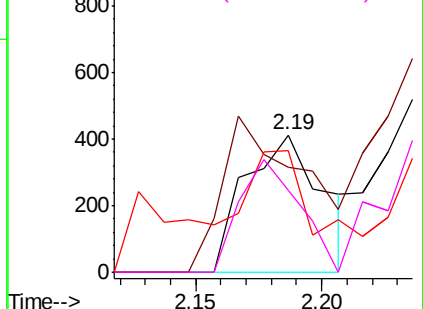
Acq: 14 Feb 2019 17:29

Instrument :
MSVOA_F
ClientSampleId :
M-2-D

Tgt Ion:	84	Resp:	882
Ion	Ratio	Lower	Upper
84	100		
49	76.0	101.8	152.8#
51	88.1	31.1	46.7#
86	59.8	54.4	81.6



Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#25

2-Butanone

Concen: 1.819 ug/l

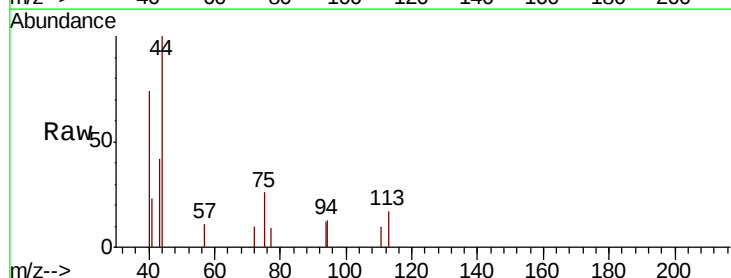
RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

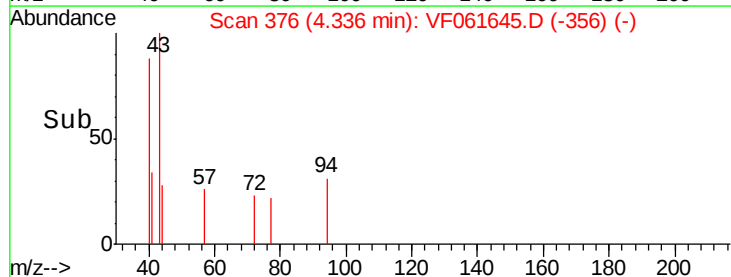
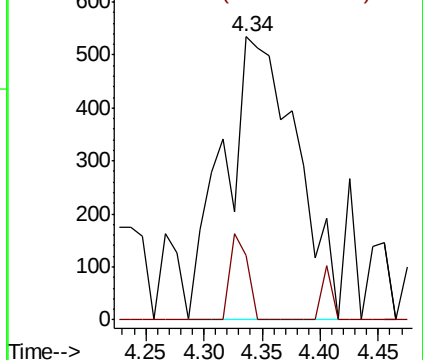
Lab File: VF061645.D

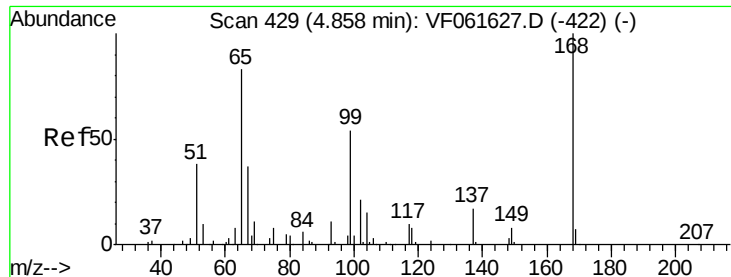
Acq: 14 Feb 2019 17:29

Tgt Ion:	43	Resp:	2314
Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.1	25.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 45.740 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

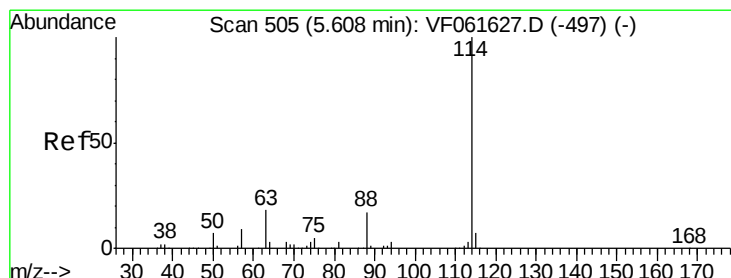
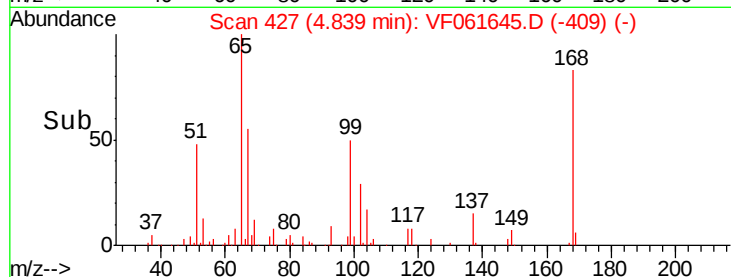
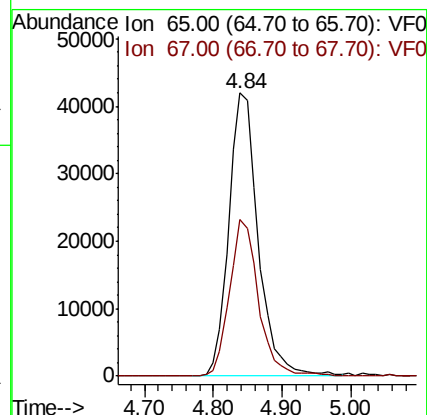
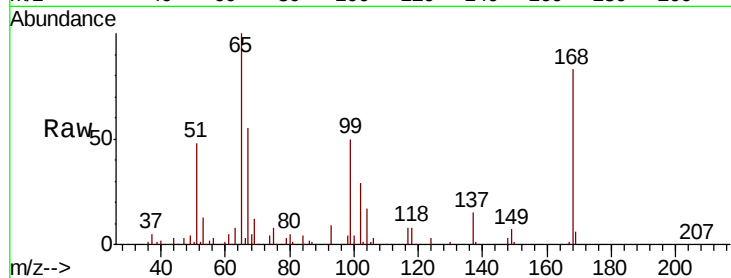
M-2-D

Tgt Ion: 65 Resp: 124126

Ion Ratio Lower Upper

65 100

67 55.3 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: VF061645.D

Acq: 14 Feb 2019 17:29

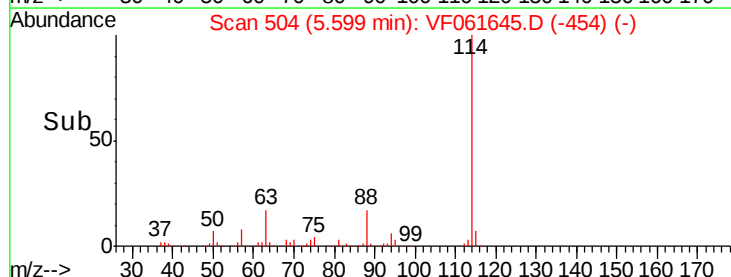
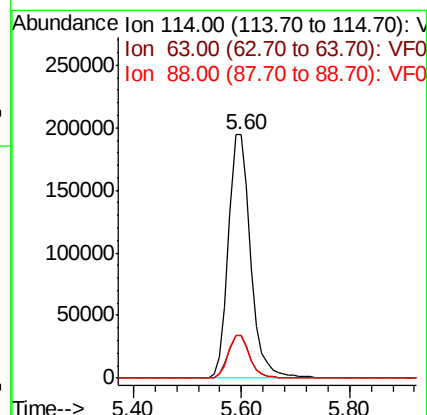
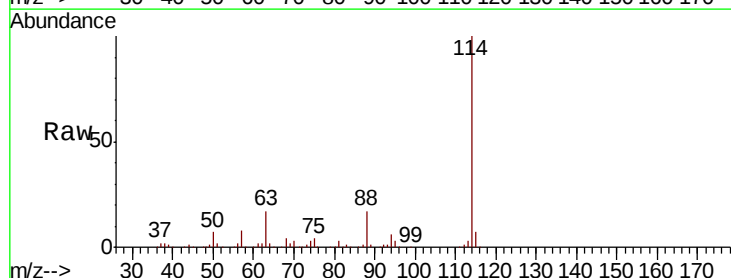
Tgt Ion: 114 Resp: 554726

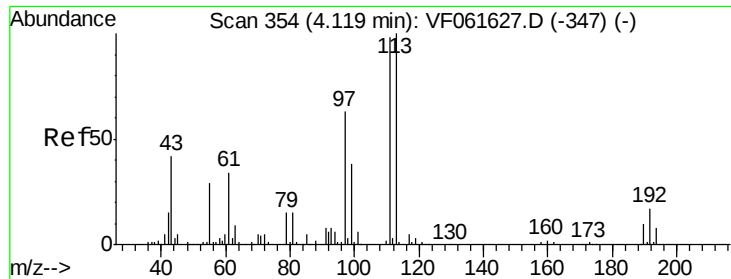
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

88 17.4 0.0 34.4





#35

Dibromofluoromethane

Concen: 45.157 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

M-2-D

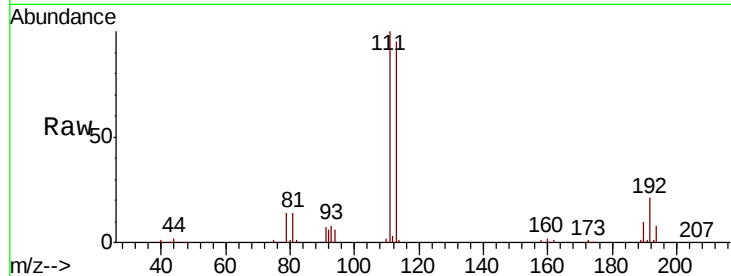
Tgt Ion: 113 Resp: 186021

Ion Ratio Lower Upper

113 100

111 104.8 78.8 118.2

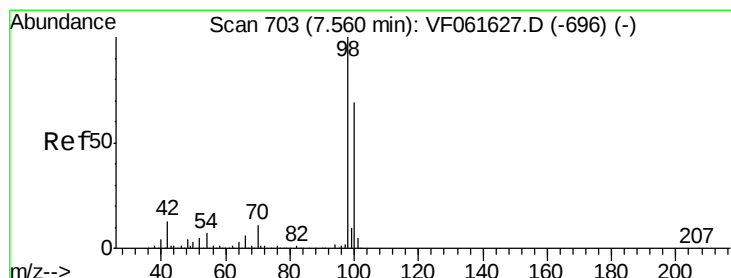
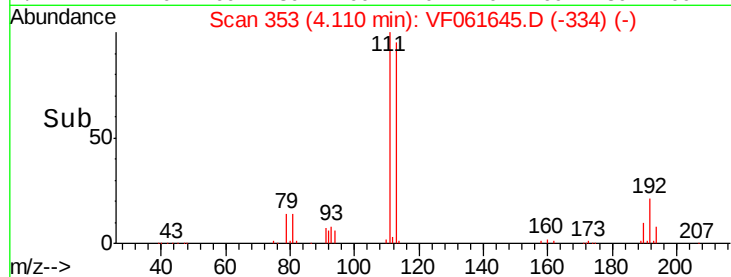
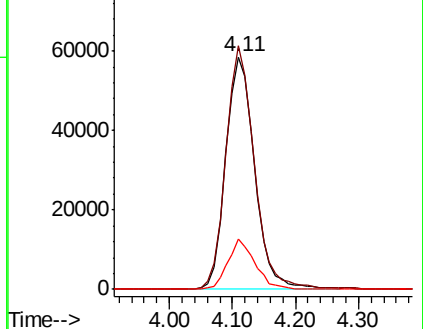
192 21.9 13.4 20.0#



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: 40.801 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061645.D

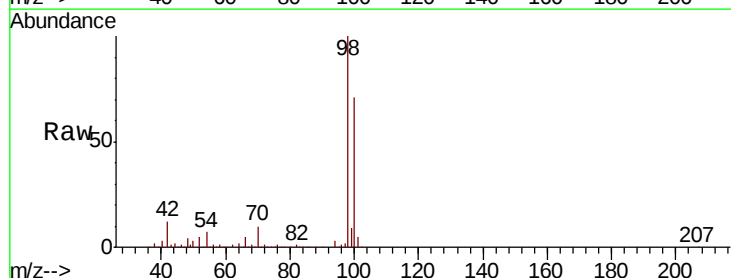
Acq: 14 Feb 2019 17:29

Tgt Ion: 98 Resp: 483176

Ion Ratio Lower Upper

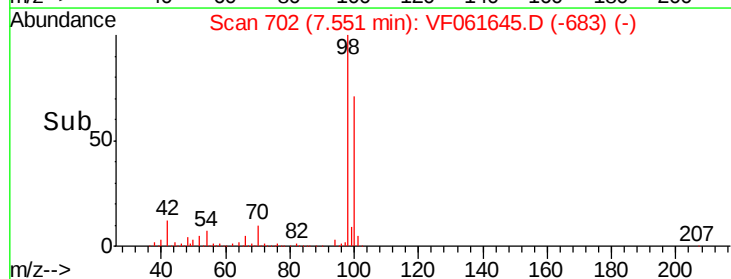
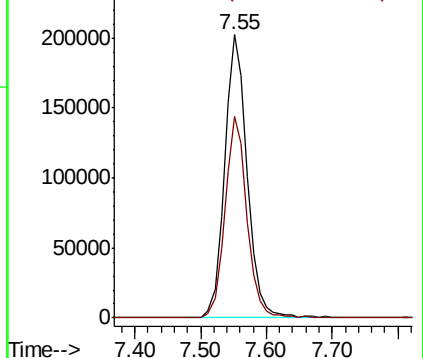
98 100

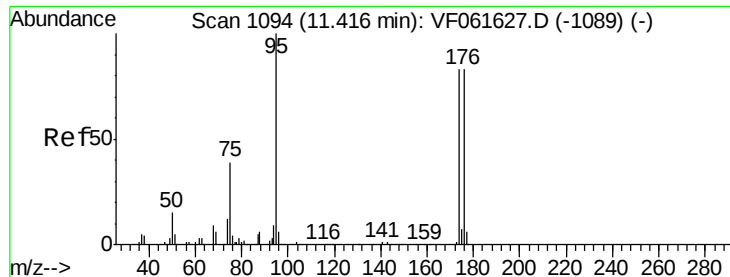
100 71.3 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 46.369 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

M-2-D

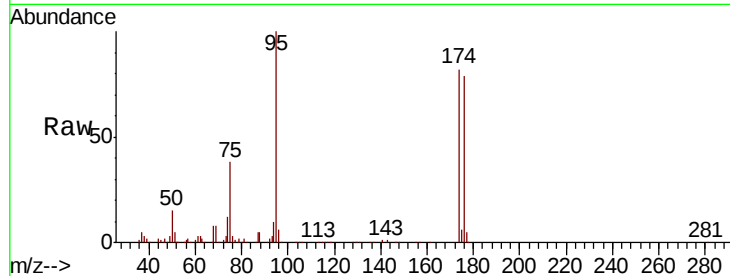
Tgt Ion: 95 Resp: 222178

Ion Ratio Lower Upper

95 100

174 82.4 0.0 165.8

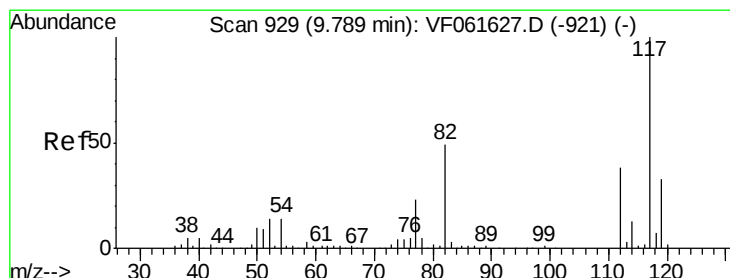
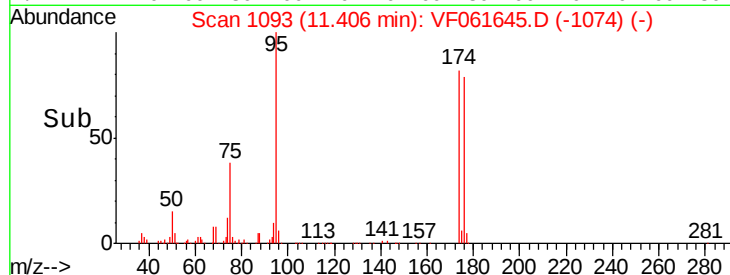
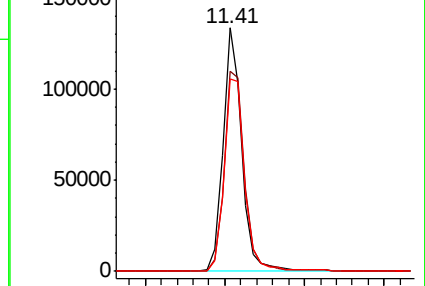
176 78.8 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061645.D

Acq: 14 Feb 2019 17:29

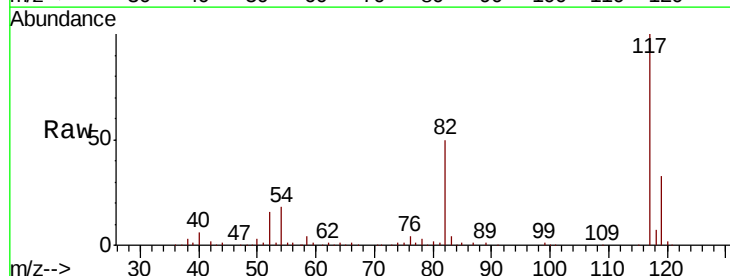
Tgt Ion: 117 Resp: 497570

Ion Ratio Lower Upper

117 100

82 49.9 39.3 58.9

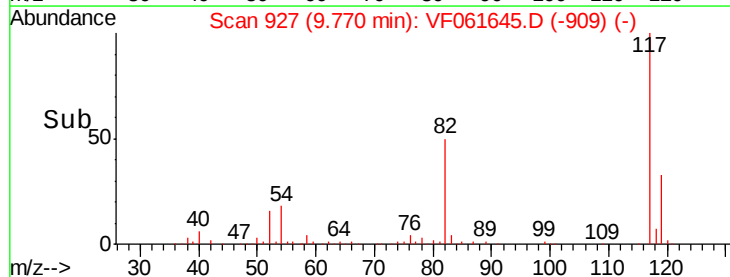
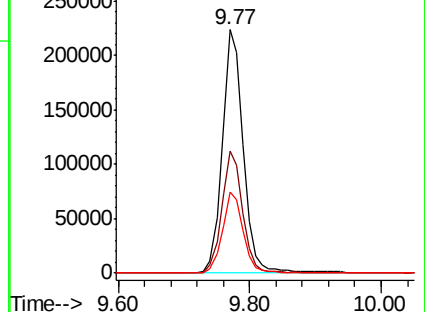
119 33.4 26.6 40.0

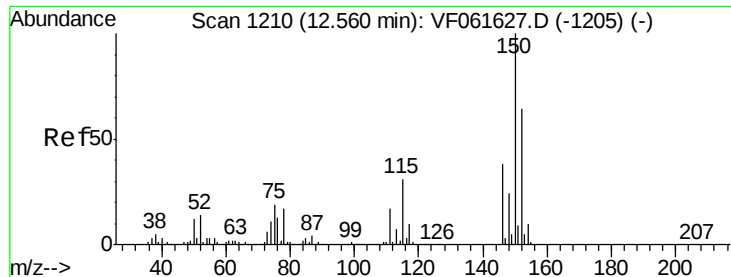


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

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: VF061645.D

Acq: 14 Feb 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

M-2-D

Tgt Ion:152 Resp: 288815

Ion Ratio Lower Upper

152 100

115 51.3 24.3 72.8

150 157.3 0.0 312.0

