

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061374.D
 Acq On : 11 Jan 2019 18:06
 Operator : VA/AP
 Sample : K1118-05
 Misc : 5.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TESTPIT-SOIL-1

Quant Time: Jan 12 03:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	62488	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	99781	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	76561	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	27713	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	19465	27.99	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	55.98%	
35) Dibromofluoromethane	4.10	113	29655	38.84	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	77.68%	
50) Toluene-d8	7.54	98	90125	39.89	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	79.78%	
62) 4-Bromofluorobenzene	11.40	95	30468	30.88	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	61.76%	

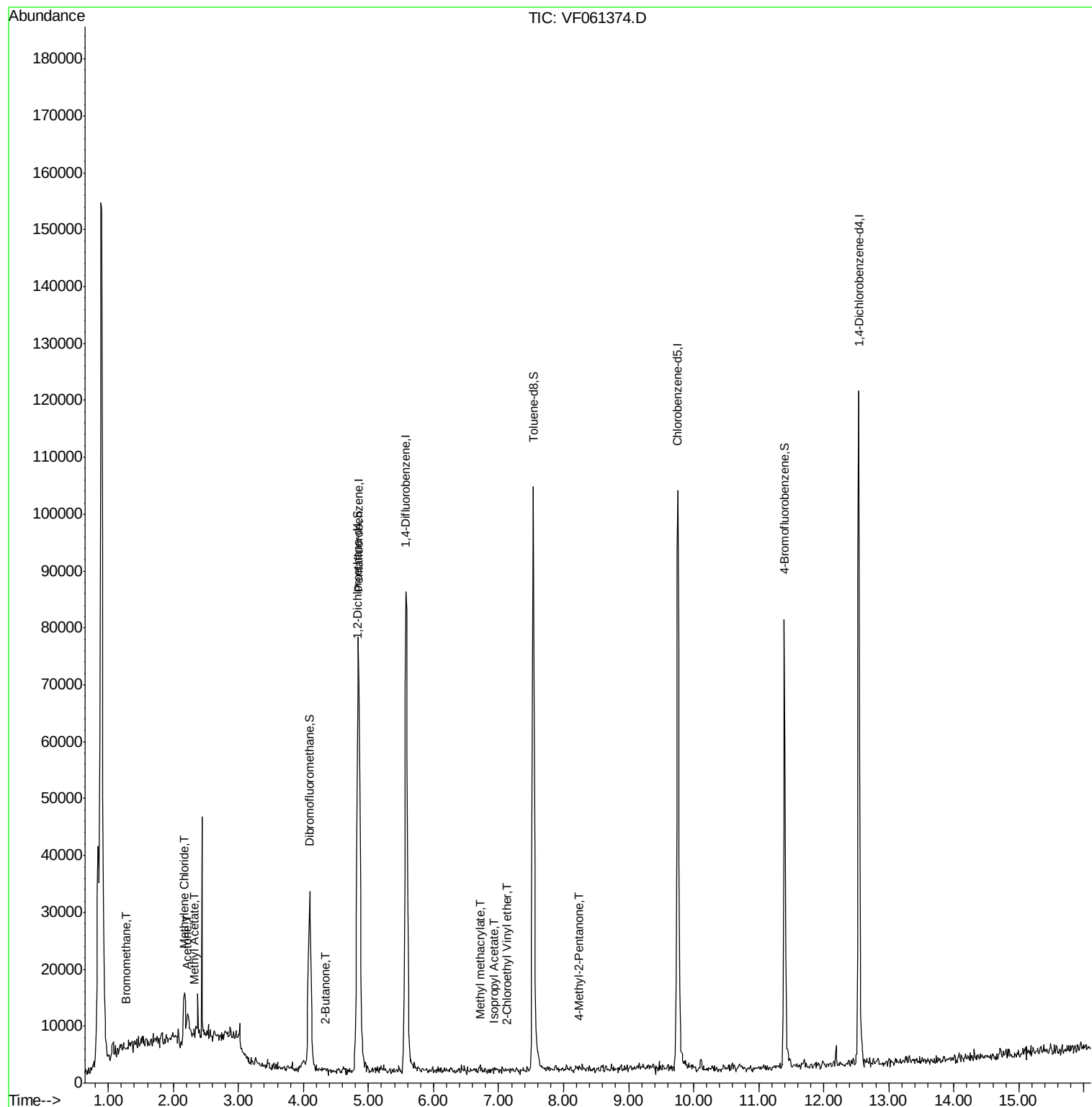
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.27	94	337	3.309	ug/l #	6
13) Acrolein	1.97	56	161	Below Cal		91
16) Acetone	2.22	43	9335	57.696	ug/l	97
18) Methyl Acetate	2.32	43	2788	8.758	ug/l	98
20) Methylene Chloride	2.17	84	4005	5.851	ug/l	96
25) 2-Butanone	4.33	43	792	3.041	ug/l #	56
43) Isopropyl Acetate	6.95	43	673	1.201	ug/l #	45
48) Methyl methacrylate	6.72	41	459	1.262	ug/l #	55
51) 4-Methyl-2-Pentanone	8.24	43	498	1.178	ug/l #	38
58) 2-Chloroethyl Vinyl ether	7.12	63	62	2.661	ug/l #	1

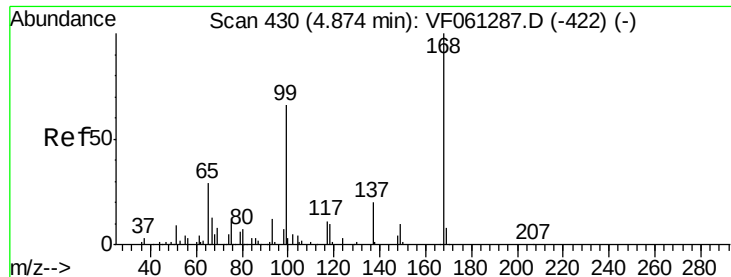
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011119\
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Quant Time: Jan 12 03:34:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

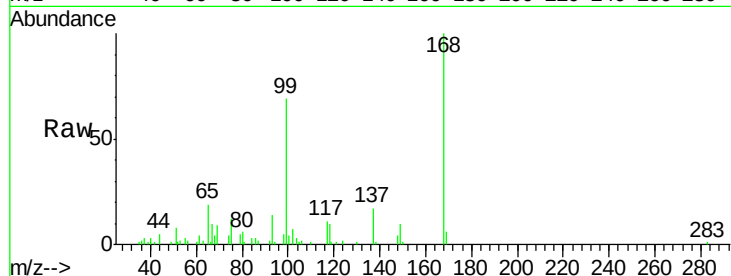
TESTPIT-SOIL-1

Tot Ion:168 Resp: 62488

Ion Ratio Lower Upper

168 100

99 68.9 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

20000

15000

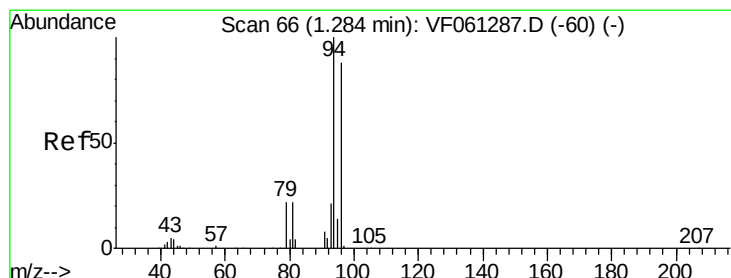
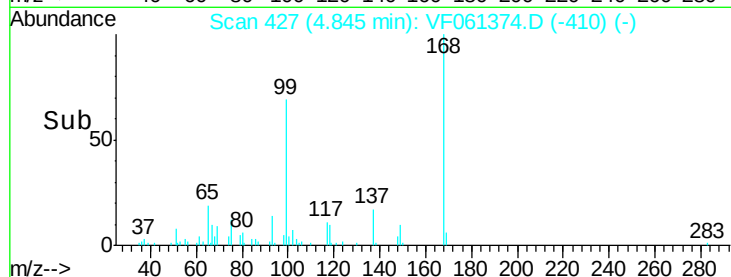
10000

5000

0

4.70 4.80 4.90 5.00

Time-->



#5

Bromomethane

Concen: 3.309 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061374.D

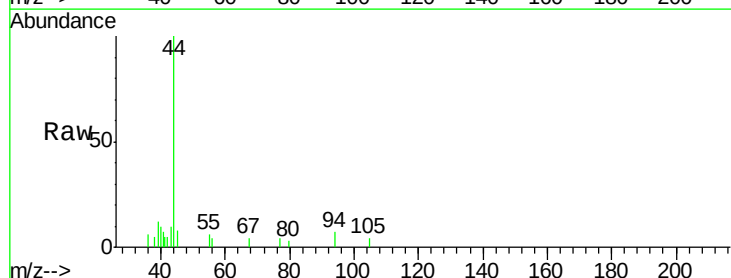
Acq: 11 Jan 2019 18:06

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

400

300

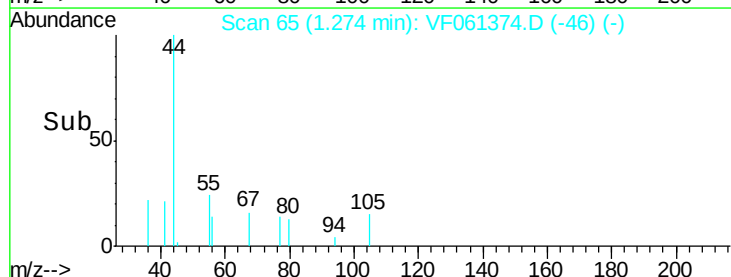
200

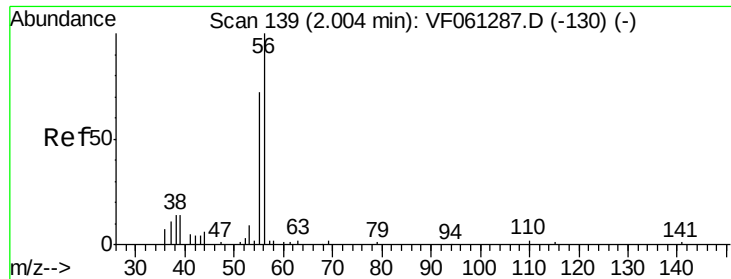
100

0

1.24 1.26 1.28 1.30

Time-->





#13

Acrolein

Concen: Below Cal

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

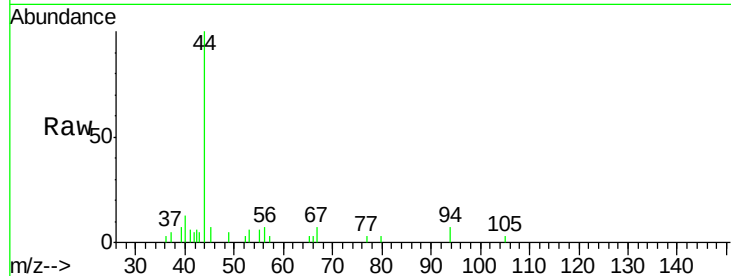
TESTPIT-SOIL-1

Tot Ion: 56 Resp: 161

Ion Ratio Lower Upper

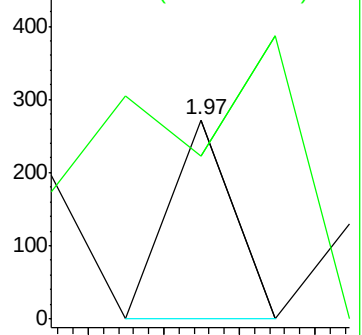
56 100

55 81.6 59.4 89.0

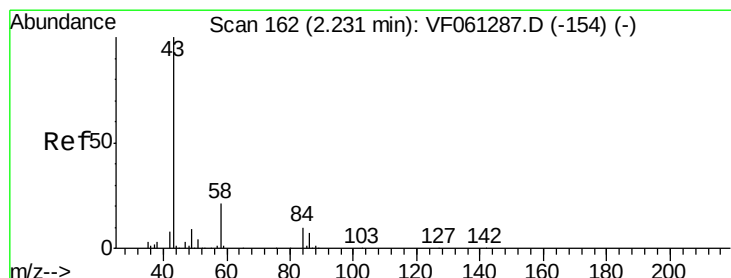
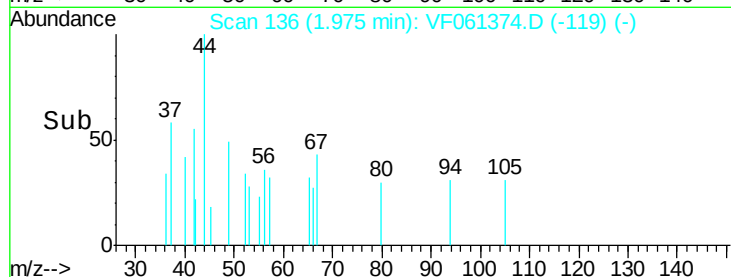


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 57.696 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061374.D

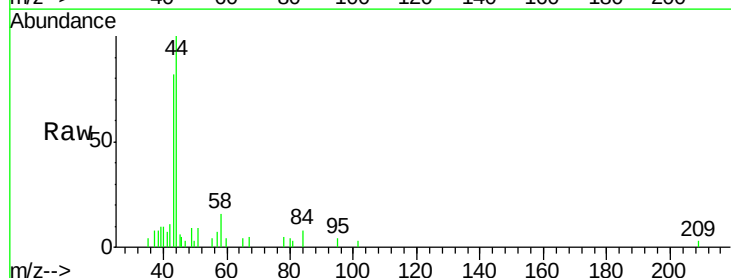
Acq: 11 Jan 2019 18:06

Tgt Ion: 43 Resp: 9335

Ion Ratio Lower Upper

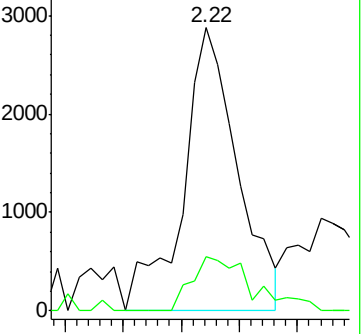
43 100

58 19.3 16.6 25.0

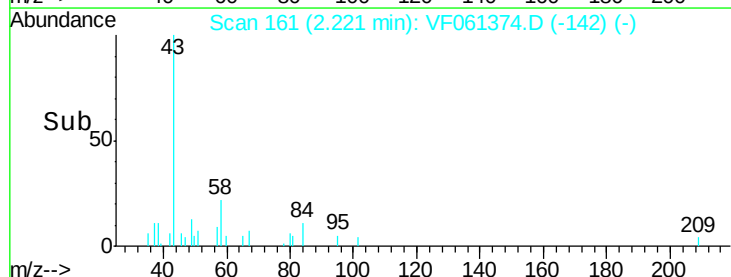


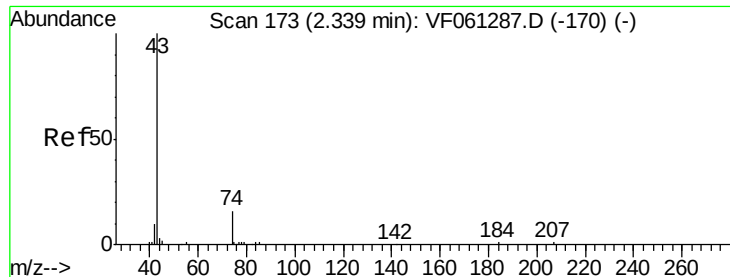
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

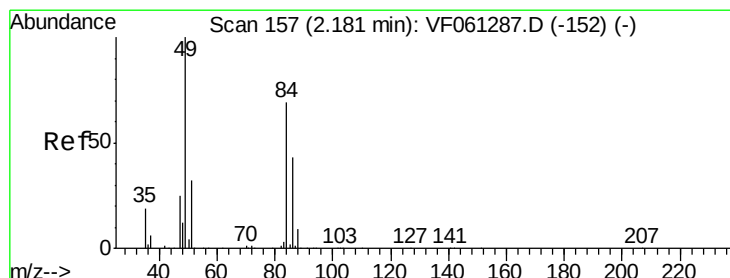
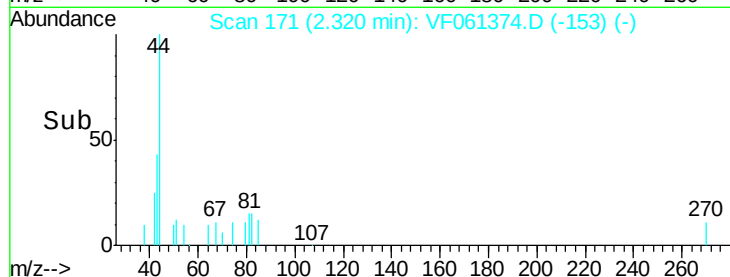
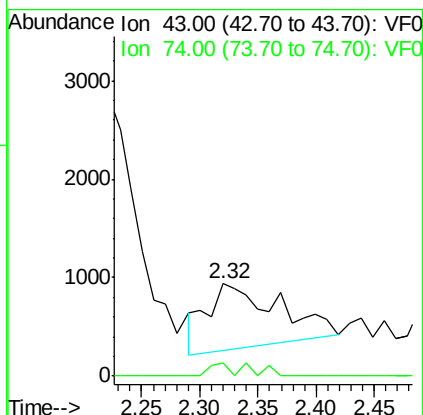
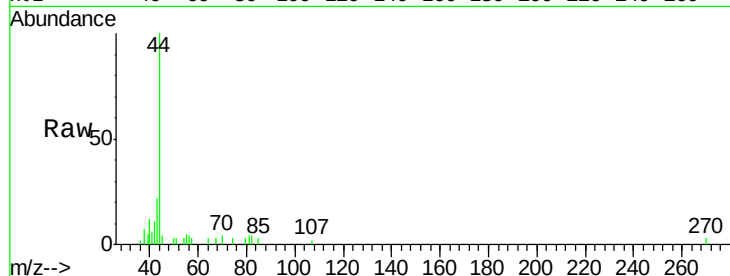




#18
Methyl Acetate
Concen: 8.758 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

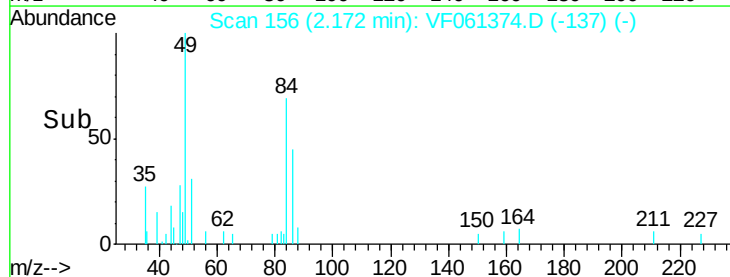
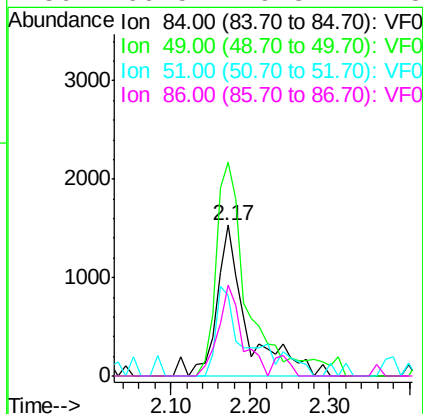
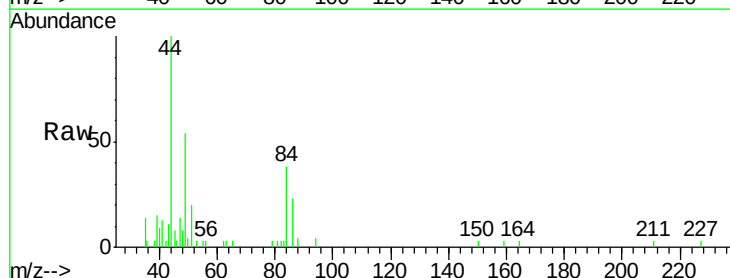
Instrument :
MSVOA_F
ClientSampleId :
TESTPIT-SOIL-1

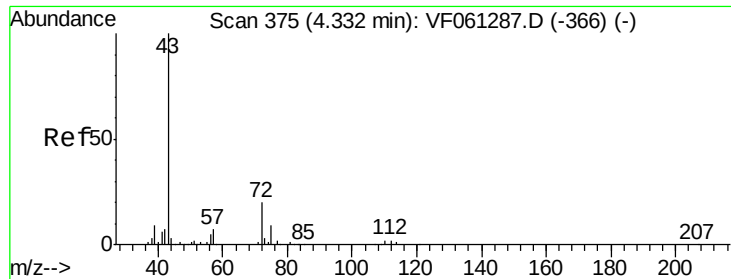
Tot Ion: 43 Resp: 2788
Ion Ratio Lower Upper
43 100
74 13.8 11.6 17.4



#20
Methylene Chloride
Concen: 5.851 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

Tgt Ion: 84 Resp: 4005
Ion Ratio Lower Upper
84 100
49 141.7 116.6 175.0
51 53.7 37.7 56.5
86 60.5 49.8 74.8





#25

2-Butanone

Concen: 3.041 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.00 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

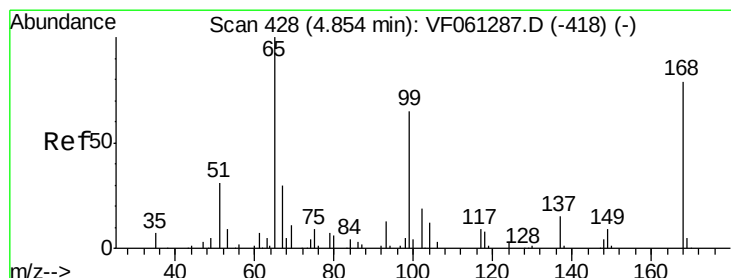
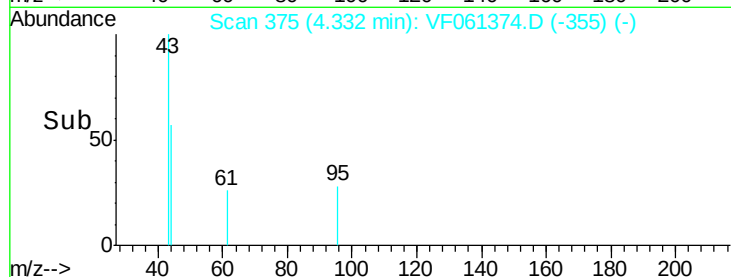
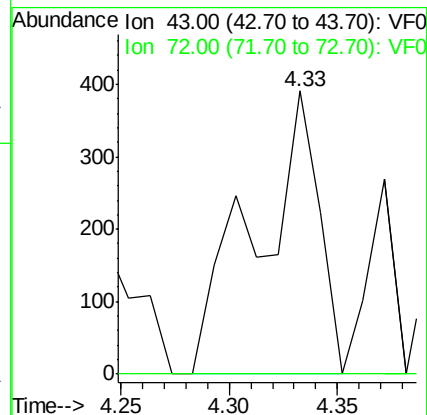
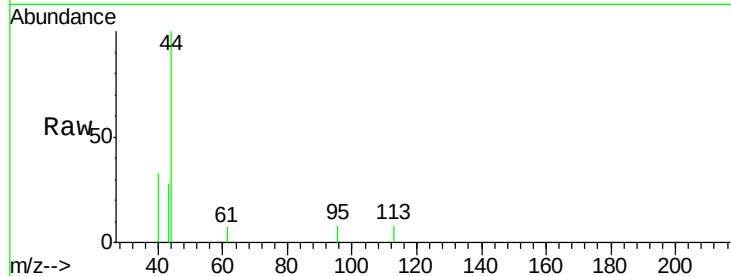
Instrument :
MSVOA_F
ClientSampleId :
TESTPIT-SOIL-1

Tot Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#33

1,2-Dichloroethane-d4

Concen: 27.986 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.03 min

Lab File: VF061374.D

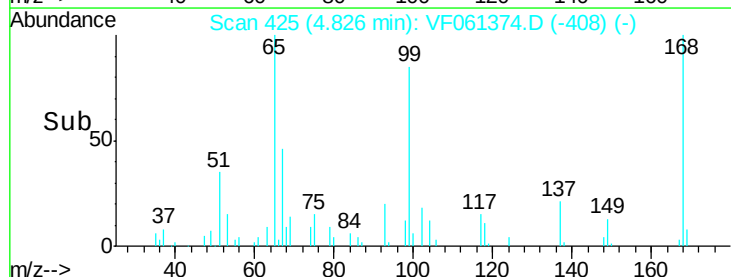
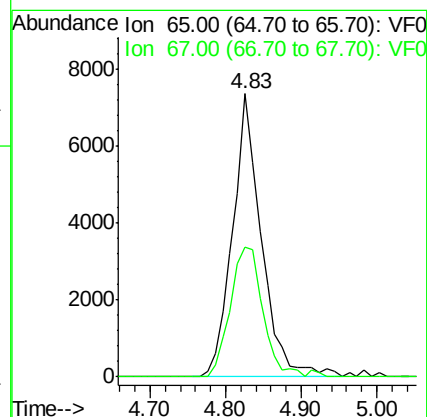
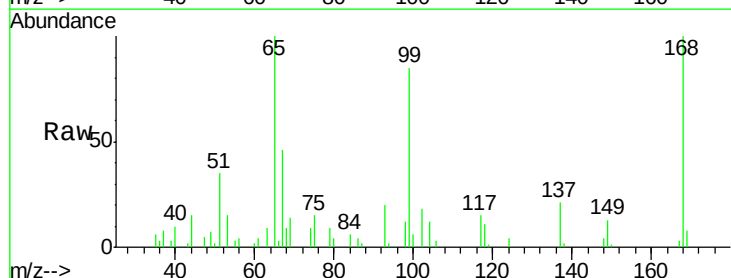
Acq: 11 Jan 2019 18:06

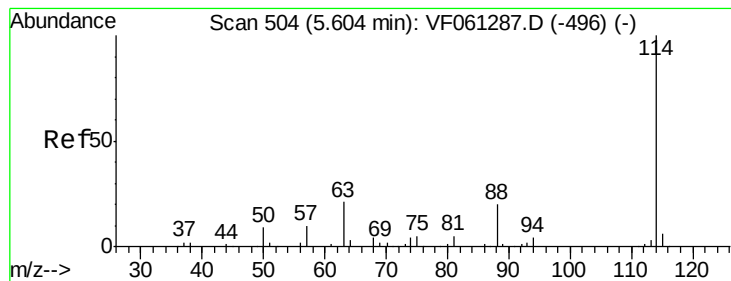
Tgt Ion: 65 Resp: 19465

Ion Ratio Lower Upper

65 100

67 46.0 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

TESTPIT-SOIL-1

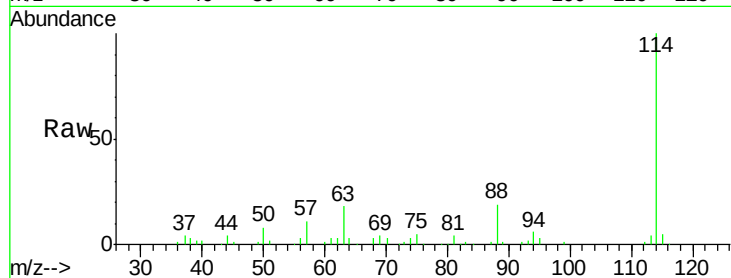
Tot Ion:114 Resp: 99781

Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.8

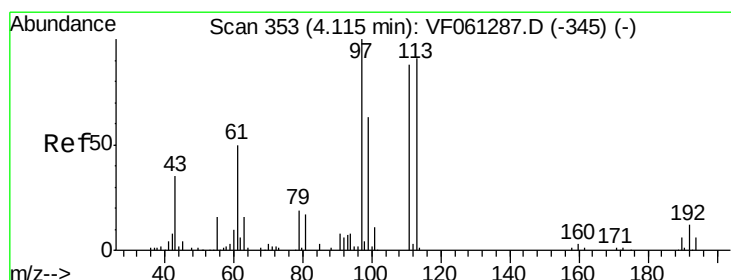
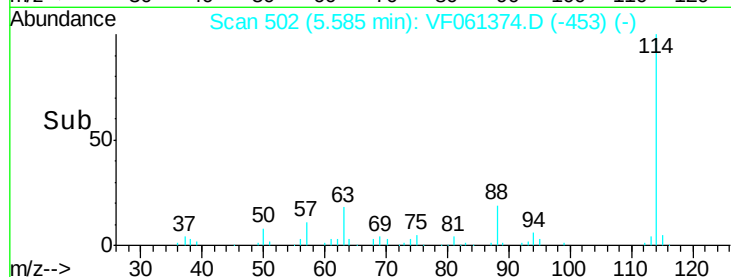
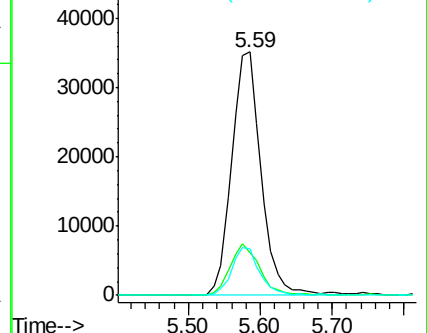
88 19.1 0.0 40.0



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: 38.841 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

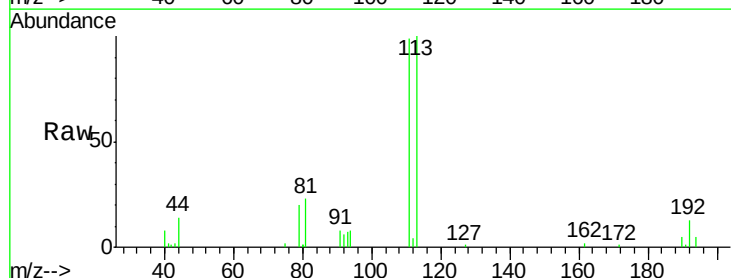
Tgt Ion:113 Resp: 29655

Ion Ratio Lower Upper

113 100

111 99.1 78.0 117.0

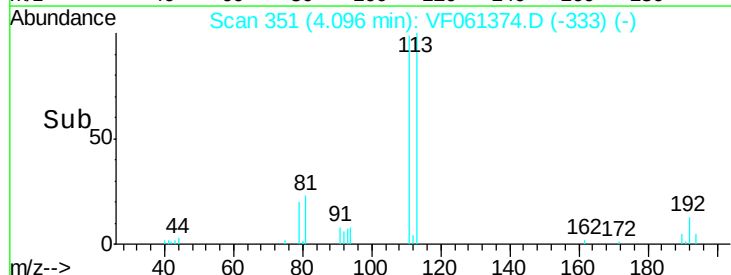
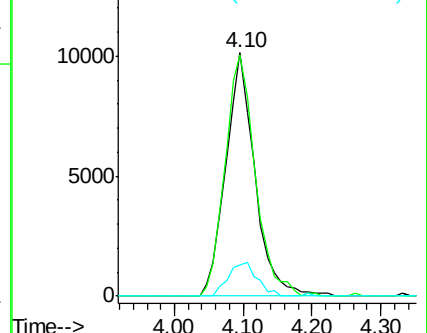
192 12.8 10.6 16.0

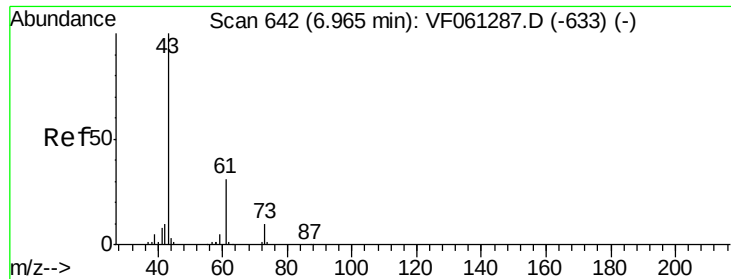


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#43

Isopropyl Acetate

Concen: 1.201 ug/l

RT: 6.95 min Scan# 640

Delta R.T. -0.02 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

TESTPIT-SOIL-1

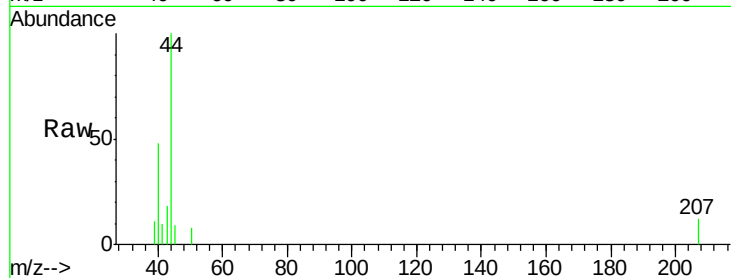
Tot Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

6.95

200

150

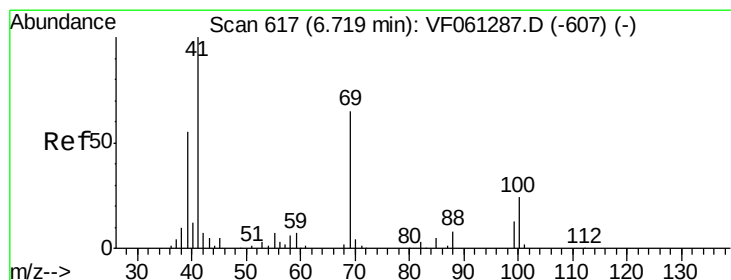
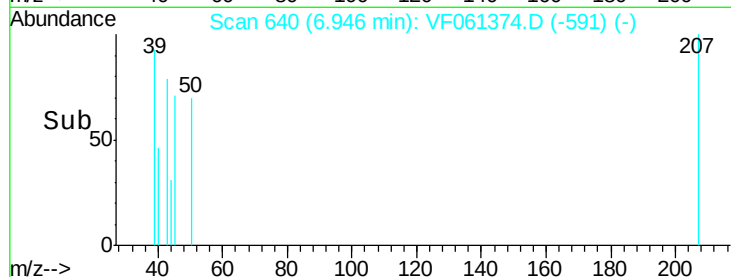
100

50

0

6.90 6.95 7.00

Time-->



#48

Methyl methacrylate

Concen: 1.262 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

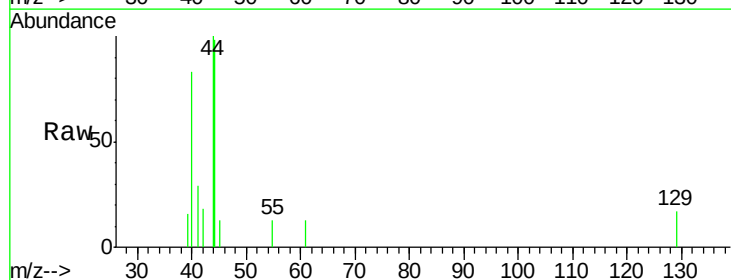
Tgt Ion: 41 Resp: 459

Ion Ratio Lower Upper

41 100

69 0.0 51.5 77.3#

39 54.6 44.1 66.1



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

6.72

250

200

150

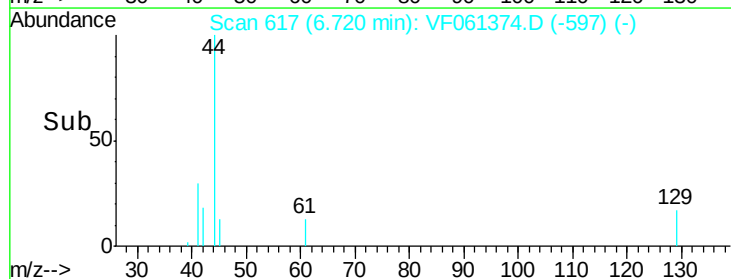
100

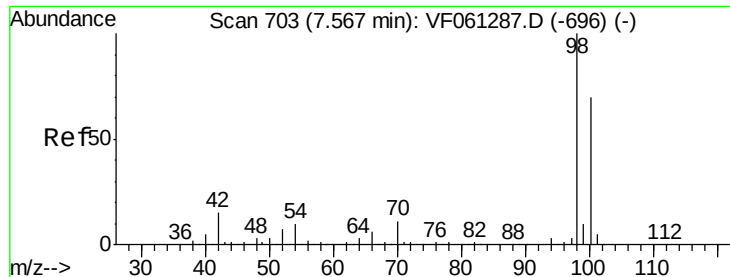
50

0

6.65 6.70 6.75

Time-->

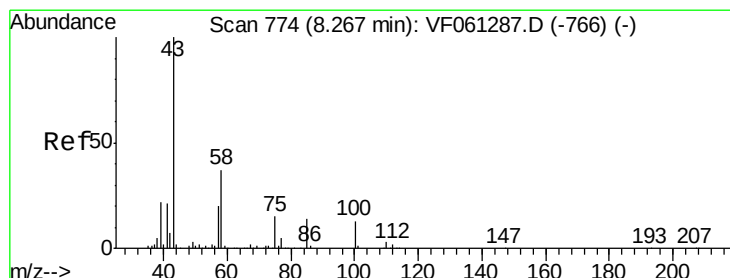
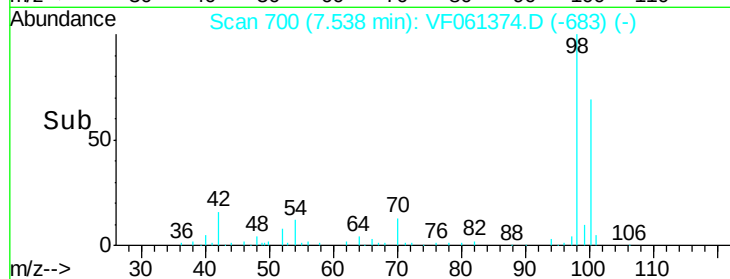
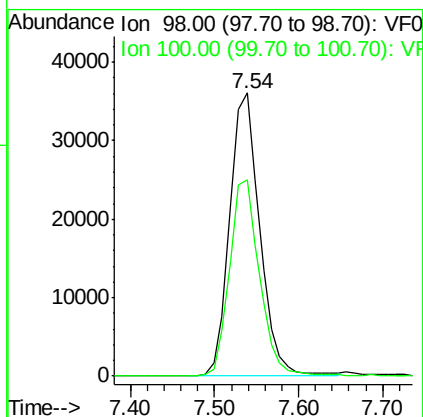
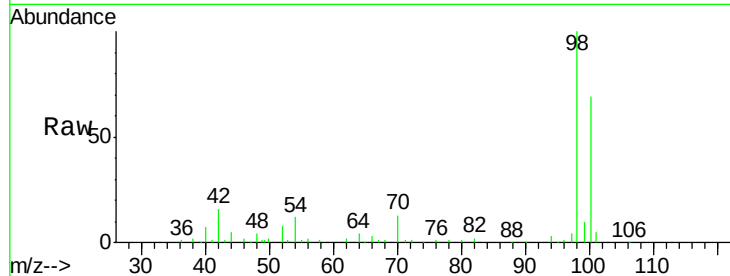




#50
Toluene-d8
Concen: 39.890 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

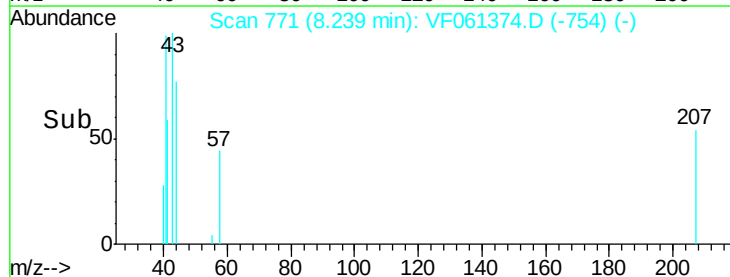
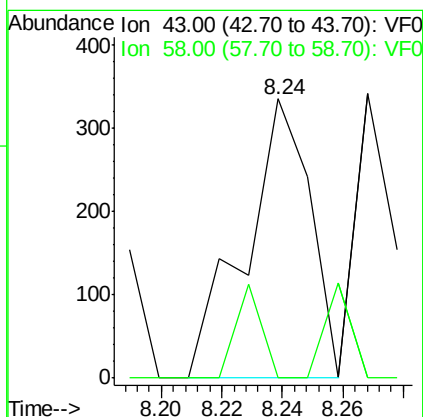
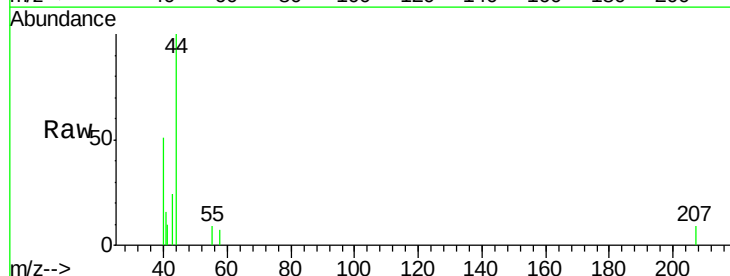
Instrument :
MSVOA_F
ClientSampleId :
TESTPIT-SOIL-1

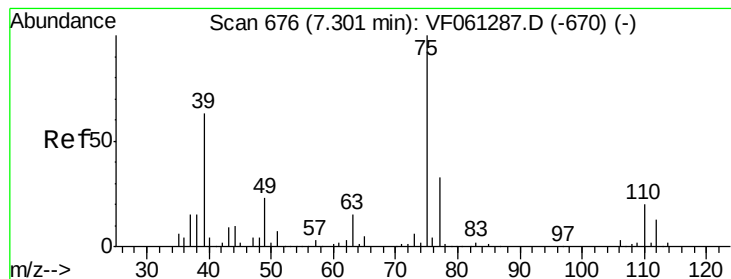
Tot Ion: 98 Resp: 90125
Ion Ratio Lower Upper
98 100
100 69.5 55.6 83.4



#51
4-Methyl-2-Pentanone
Concen: 1.178 ug/l
RT: 8.24 min Scan# 771
Delta R.T. -0.03 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 29.6 44.4#





#58

2-Chloroethyl Vinyl ether

Concen: 2.661 ug/l

RT: 7.12 min Scan# 658

Delta R.T. -0.18 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

Instrument :

MSVOA_F

ClientSampleId :

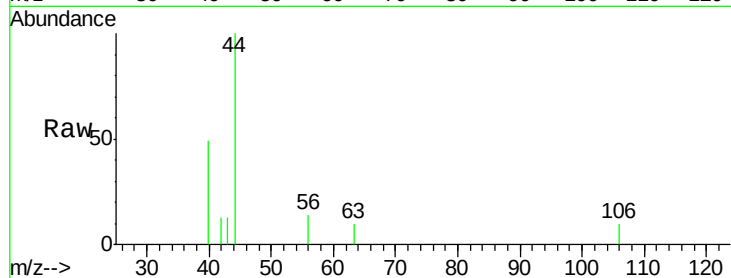
TESTPIT-SOIL-1

Tot Ion: 63 Resp: 62

Ion Ratio Lower Upper

63 100

106 95.2 16.5 24.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.12

100

80

60

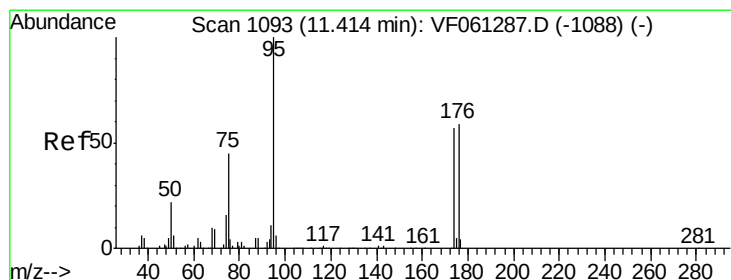
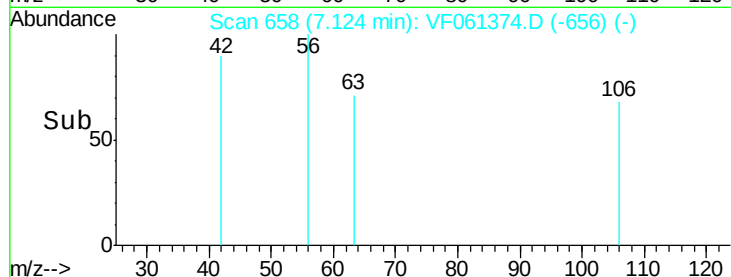
40

20

0

7.10 7.12 7.14

Time-->



#62

4-Bromofluorobenzene

Concen: 30.883 ug/l

RT: 11.40 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061374.D

Acq: 11 Jan 2019 18:06

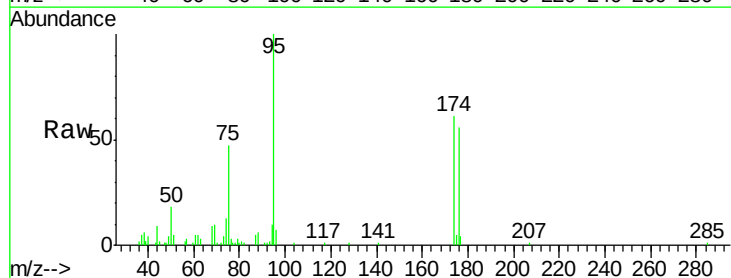
Tgt Ion: 95 Resp: 30468

Ion Ratio Lower Upper

95 100

174 60.9 0.0 114.2

176 56.0 0.0 117.8



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

25000

20000

15000

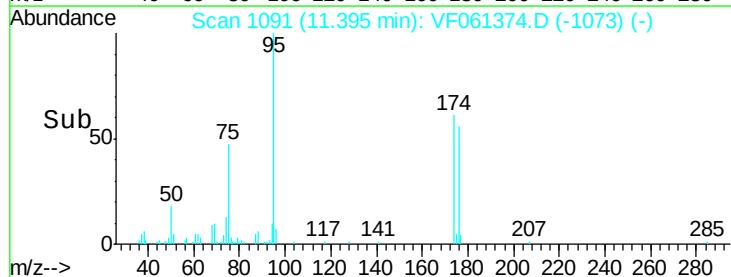
10000

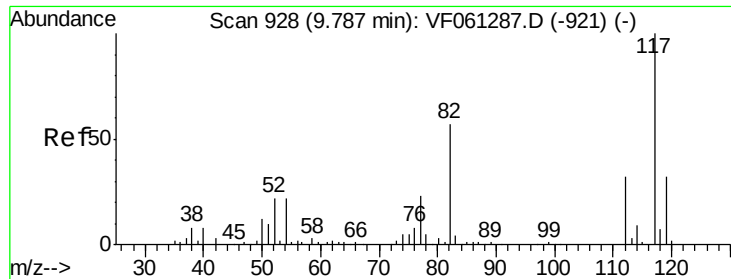
5000

0

11.30 11.40 11.50

Time-->

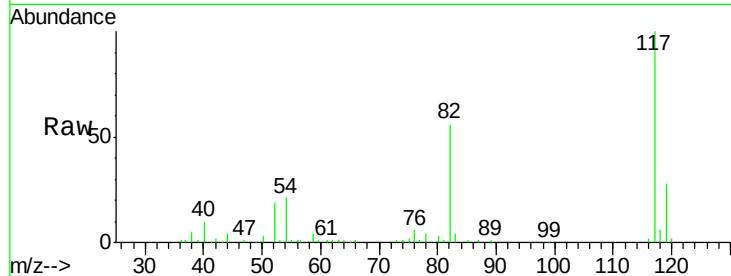




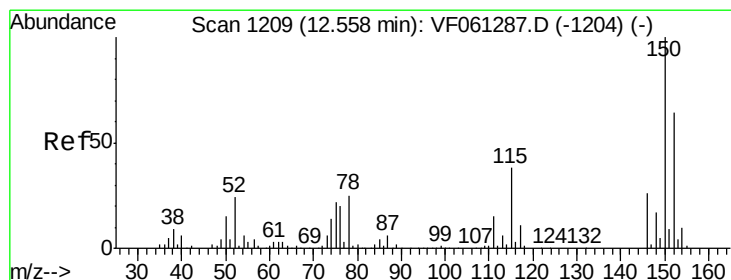
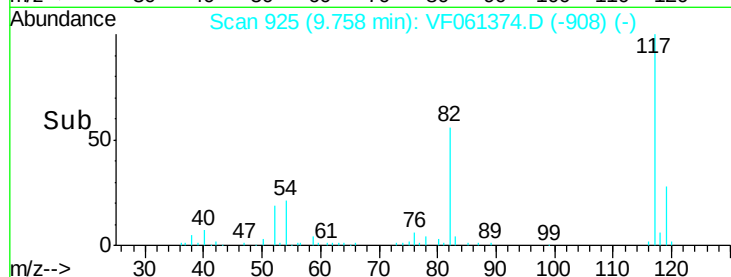
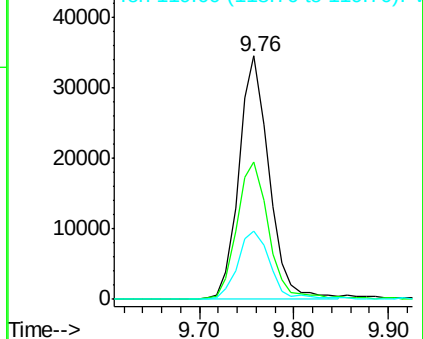
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

Instrument :
MSVOA_F
ClientSampleId :
TESTPIT-SOIL-1

Tot Ion:117 Resp: 76561
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 28.1 25.4 38.0

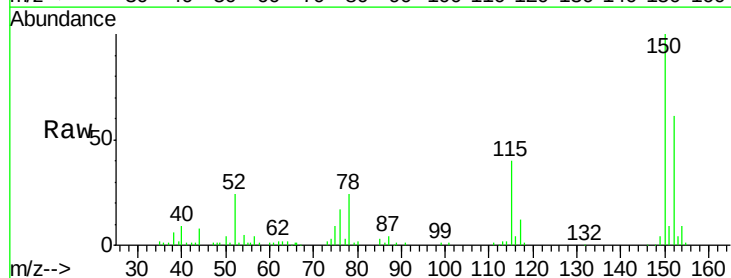


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061374.D
Acq: 11 Jan 2019 18:06

Tgt Ion:152 Resp: 27713
Ion Ratio Lower Upper
152 100
115 65.8 29.6 88.9
150 163.4 0.0 315.4



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

