

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011119\
 Data File : VF061373.D
 Acq On : 11 Jan 2019 17:37
 Operator : VA/AP
 Sample : K1118-01
 Misc : 6.75g/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

Quant Time: Jan 12 03:34:05 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

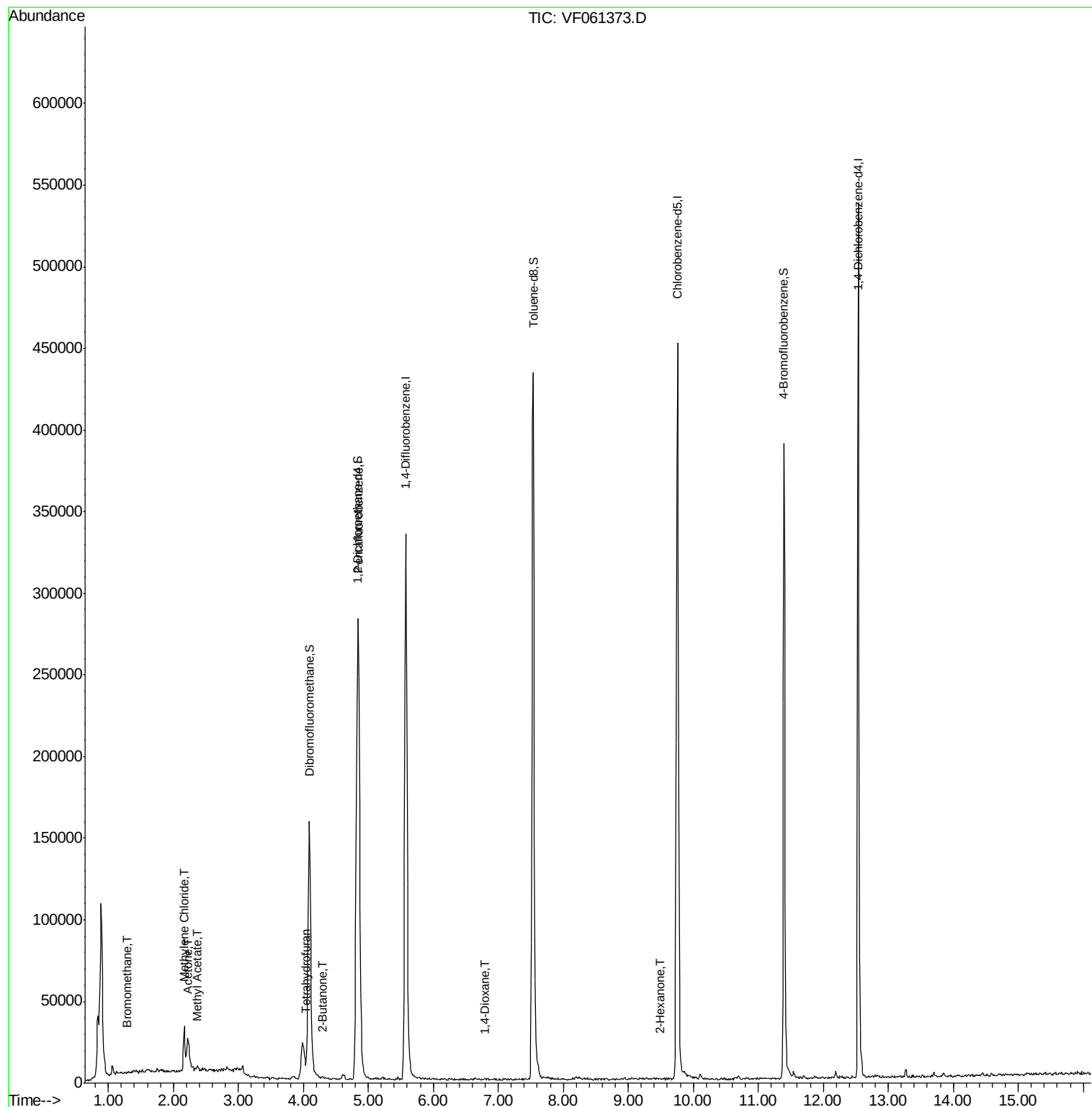
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	207632	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	389699	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	326529	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	130711	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	131215	56.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	113.56%	
35) Dibromofluoromethane	4.09	113	151533	50.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.64%	
50) Toluene-d8	7.54	98	368737	41.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	83.58%	
62) 4-Bromofluorobenzene	11.39	95	155238	40.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.58%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.27	94	877	3.224	ug/l #	6
13) Acrolein	1.96	56	668	Below Cal		87
16) Acetone	2.22	43	16143	30.027	ug/l	99
18) Methyl Acetate	2.37	43	1854	1.753	ug/l #	65
20) Methylene Chloride	2.17	84	11486	5.050	ug/l #	92
25) 2-Butanone	4.31	43	1639	1.894	ug/l #	56
29) Tetrahydrofuran	4.04	42	422	1.166	ug/l #	64
49) 1,4-Dioxane	6.78	88	63	7.030	ug/l #	20
59) 2-Hexanone	9.48	43	1224	1.046	ug/l	78

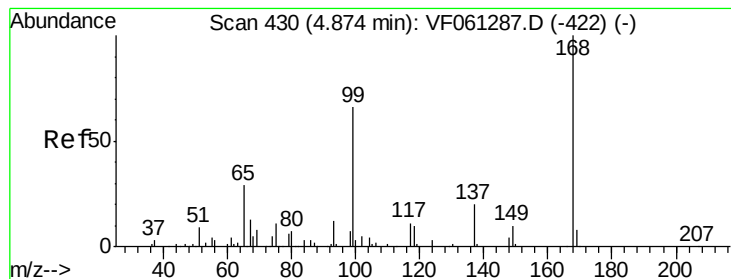
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 428

Delta R.T. -0.02 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

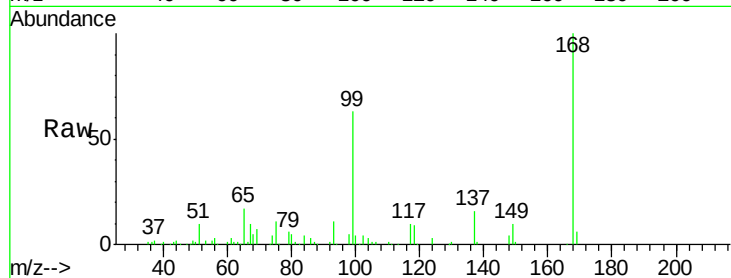
FENCE-SOIL-PILE-1

Tot Ion:168 Resp: 207632

Ion Ratio Lower Upper

168 100

99 62.7 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

60000

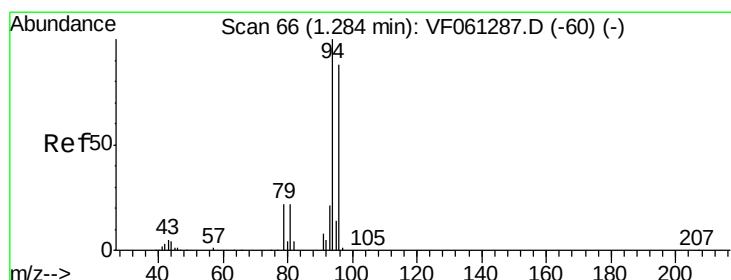
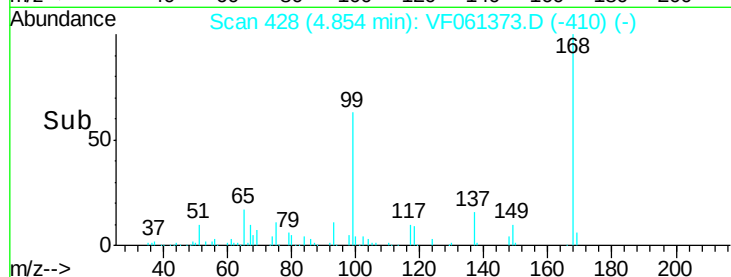
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#5

Bromomethane

Concen: 3.224 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061373.D

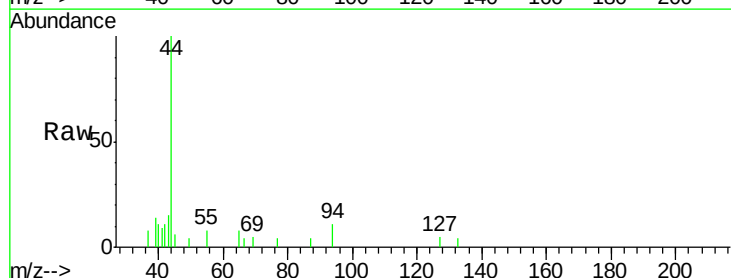
Acq: 11 Jan 2019 17:37

Tgt Ion: 94 Resp: 877

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

1.27

300

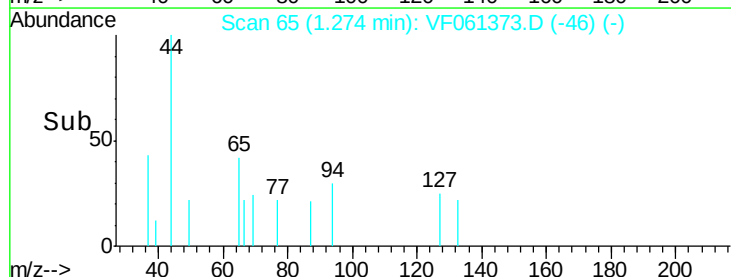
200

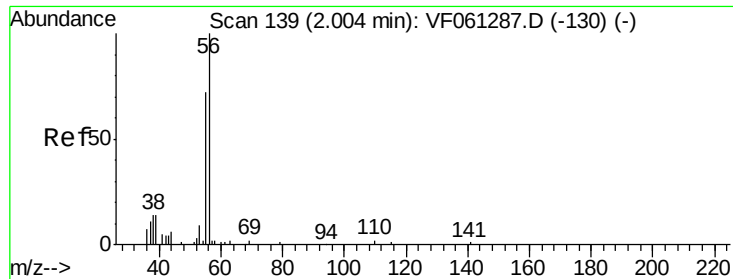
100

0

1.20 1.25 1.30

Time-->





#13

Acrolein

Concen: Below Cal

RT: 1.96 min Scan# 135

Delta R.T. -0.04 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

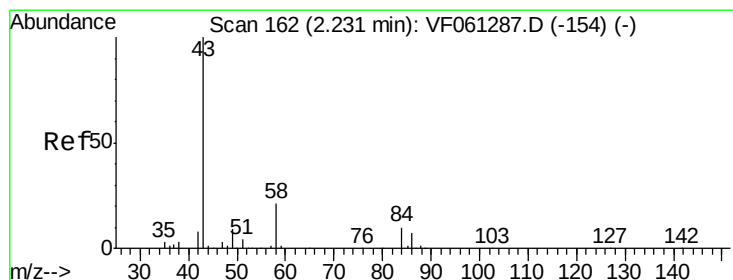
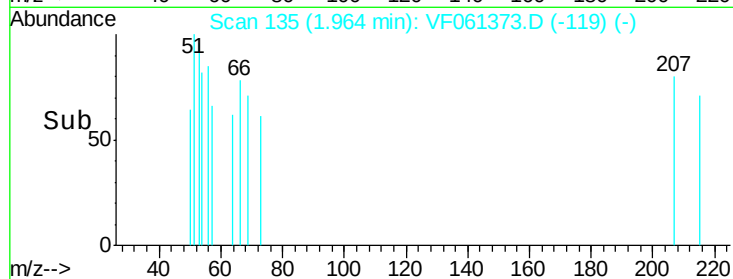
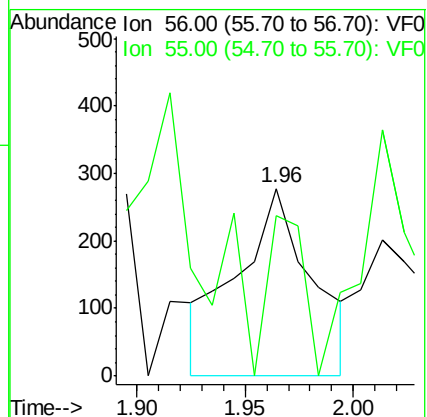
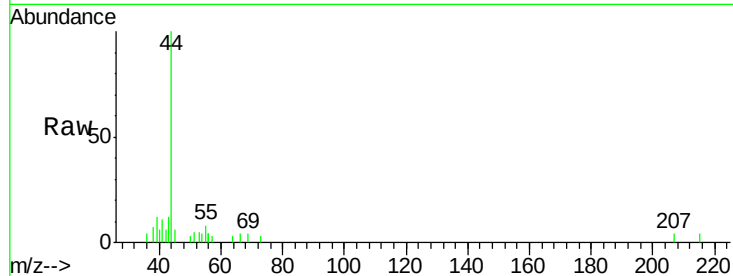
FENCE-SOIL-PILE-1

Tot Ion: 56 Resp: 668

Ion Ratio Lower Upper

56 100

55 85.6 59.4 89.0



#16

Acetone

Concen: 30.027 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.01 min

Lab File: VF061373.D

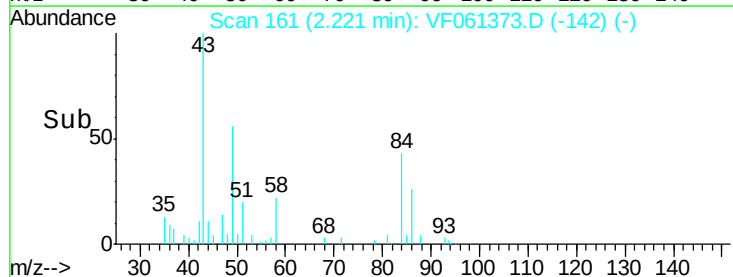
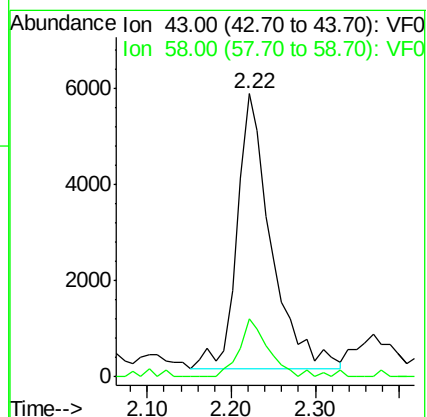
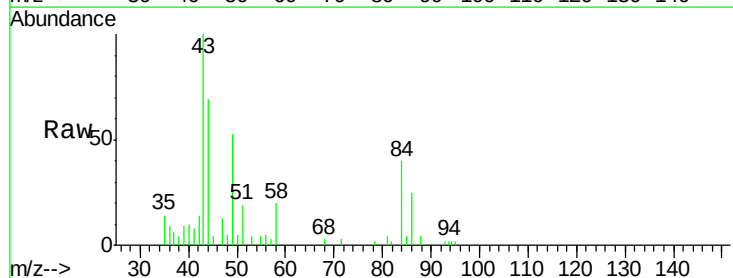
Acq: 11 Jan 2019 17:37

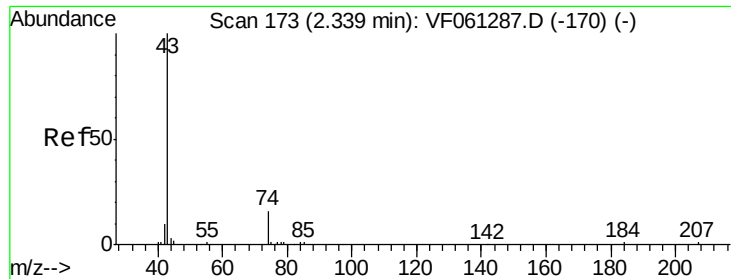
Tgt Ion: 43 Resp: 16143

Ion Ratio Lower Upper

43 100

58 20.4 16.6 25.0

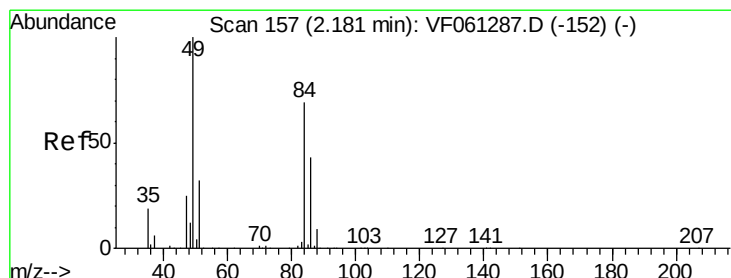
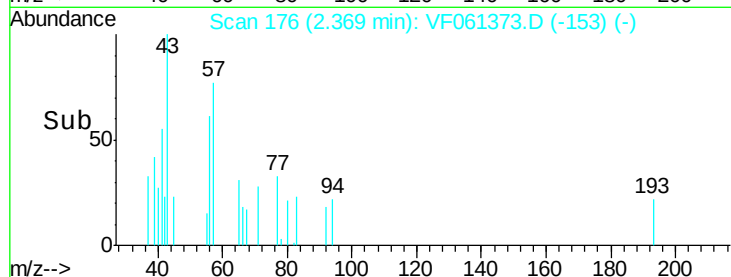
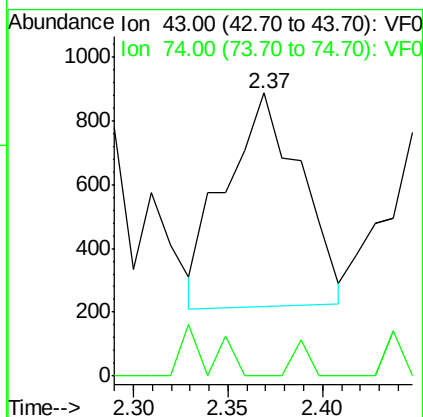
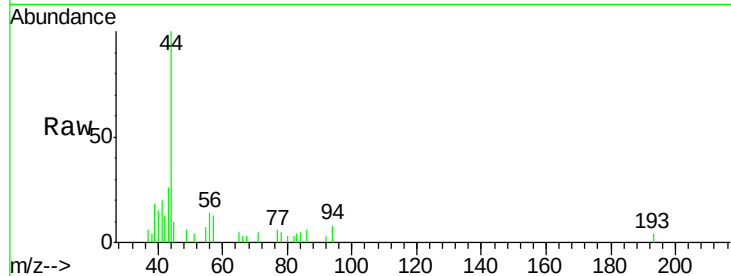




#18
Methyl Acetate
Concen: 1.753 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

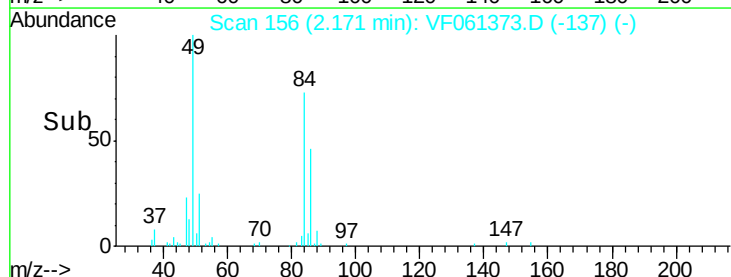
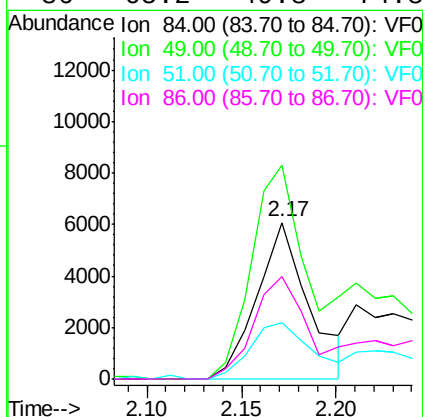
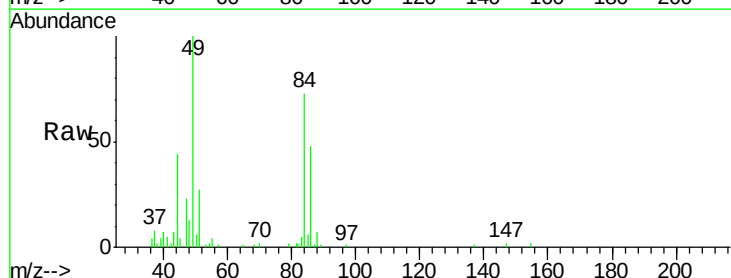
Instrument :
MSVOA_F
ClientSampleId :
FENCE-SOIL-PILE-1

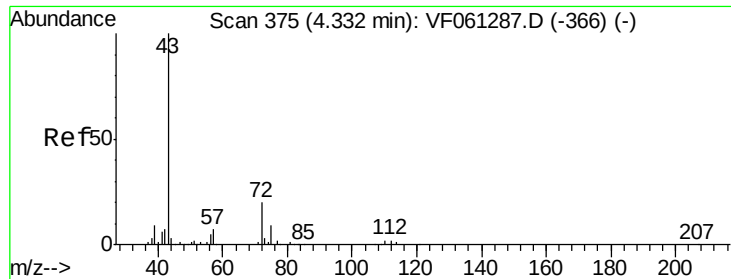
Tot Ion: 43 Resp: 1854
Ion Ratio Lower Upper
43 100
74 0.0 11.6 17.4#



#20
Methylene Chloride
Concen: 5.050 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

Tgt Ion: 84 Resp: 11486
Ion Ratio Lower Upper
84 100
49 136.8 116.6 175.0
51 36.5 37.7 56.5#
86 65.2 49.8 74.8





#25

2-Butanone

Concen: 1.894 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

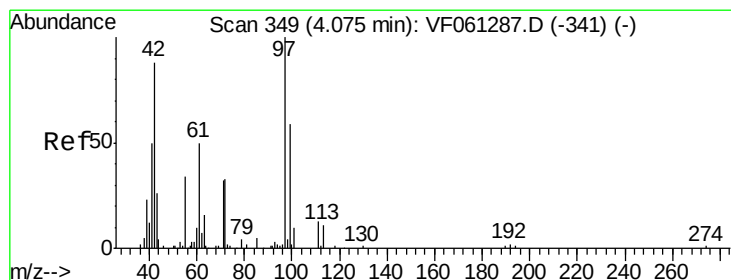
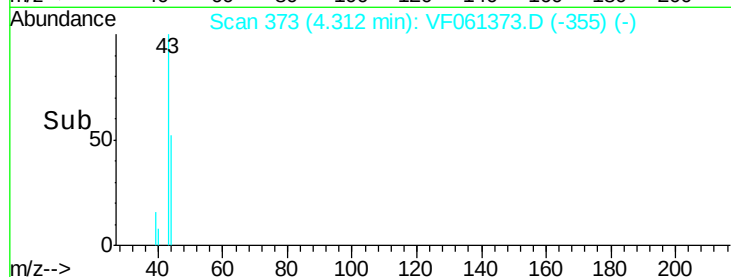
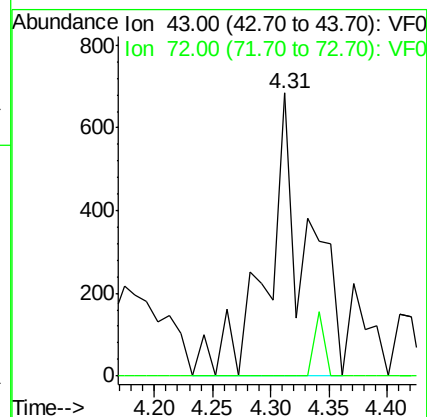
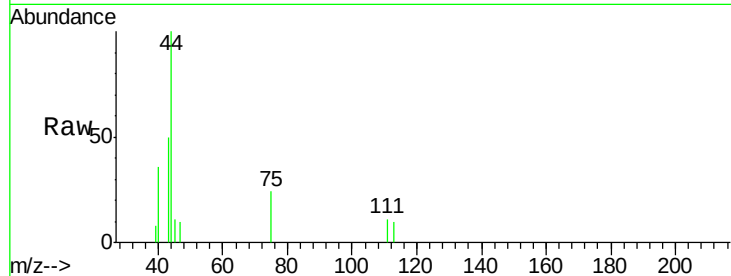
FENCE-SOIL-PILE-1

Tot Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#29

Tetrahydrofuran

Concen: 1.166 ug/l

RT: 4.04 min Scan# 345

Delta R.T. -0.04 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

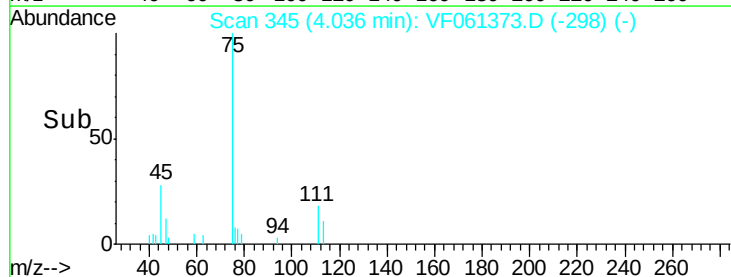
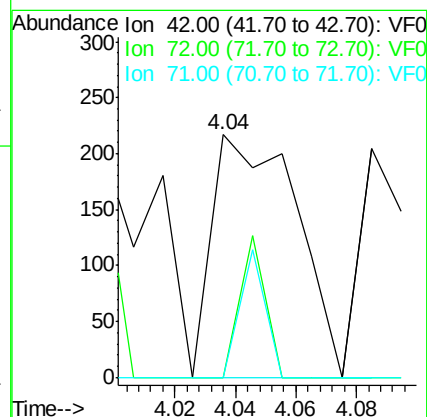
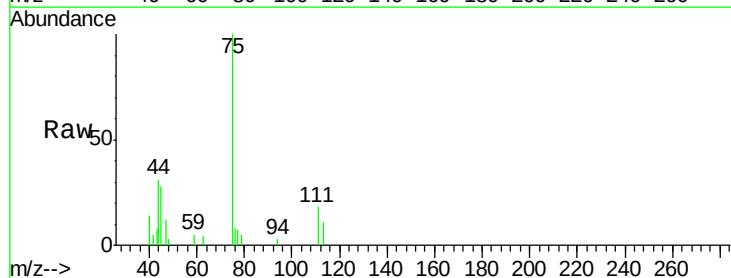
Tgt Ion: 42 Resp: 422

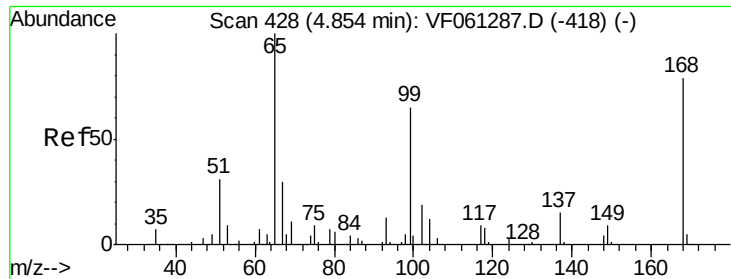
Ion Ratio Lower Upper

42 100

72 17.8 32.3 48.5#

71 15.9 29.5 44.3#

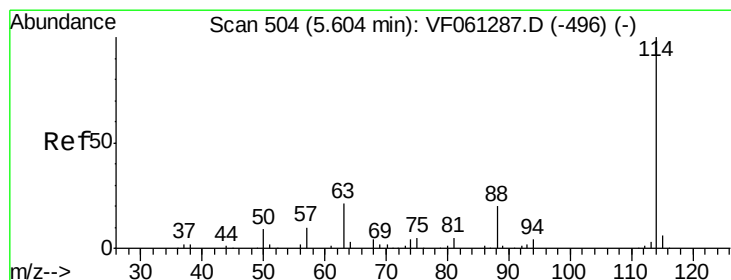
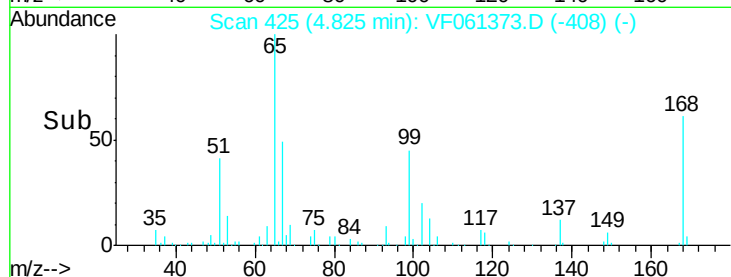
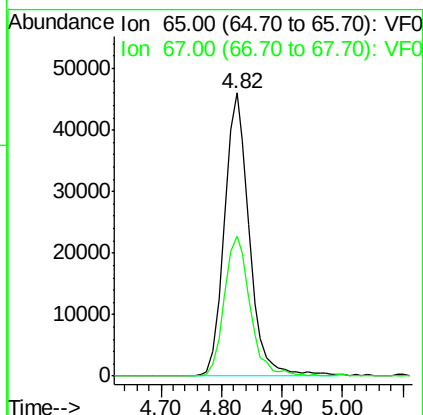
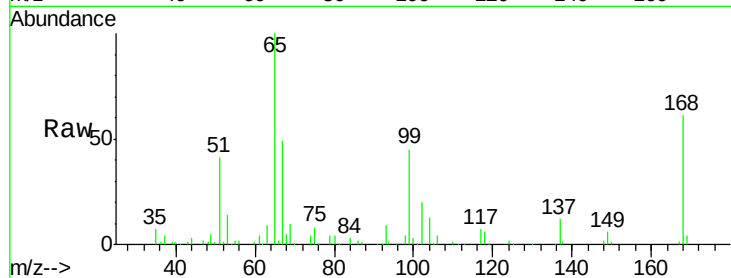




#33
 1,2-Dichloroethane-d4
 Concen: 56.777 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061373.D
 Acq: 11 Jan 2019 17:37

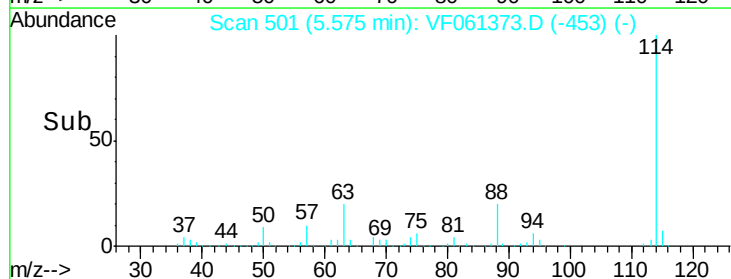
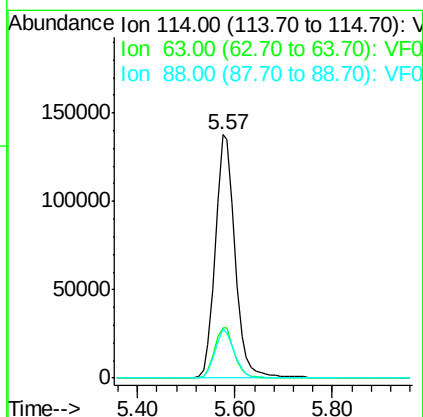
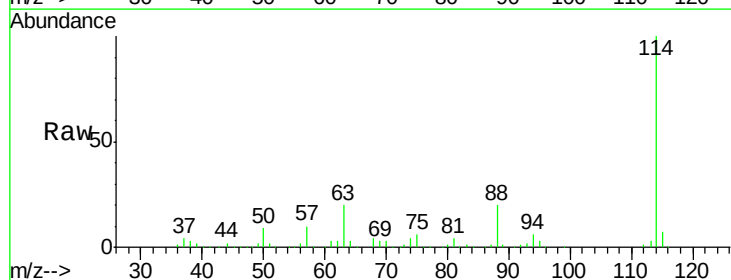
Instrument :
 MSVOA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

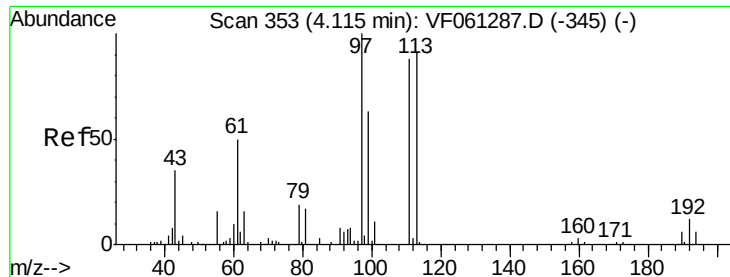
Tot Ion: 65 Resp: 131215
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061373.D
 Acq: 11 Jan 2019 17:37

Tgt Ion: 114 Resp: 389699
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 20.0 0.0 40.0





#35

Dibromofluoromethane

Concen: 50.819 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

Instrument :

MSVOA_F

ClientSampleId :

FENCE-SOIL-PILE-1

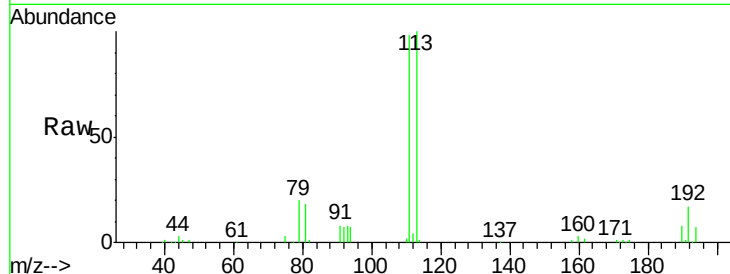
Tot Ion:113 Resp: 151533

Ion Ratio Lower Upper

113 100

111 97.7 78.0 117.0

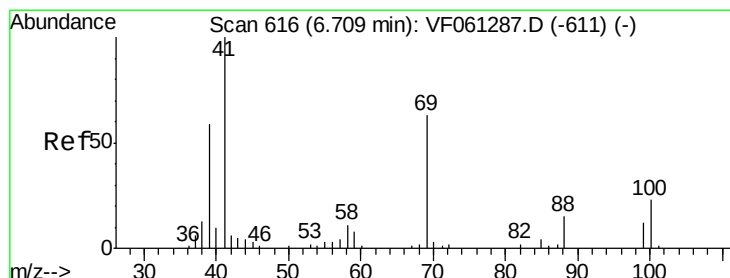
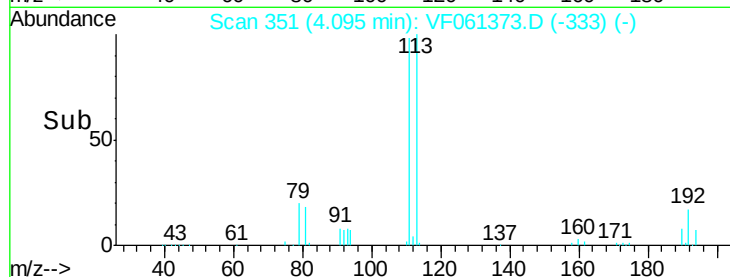
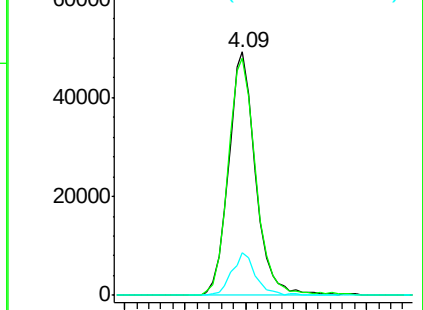
192 17.5 10.6 16.0#



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



#49

1,4-Dioxane

Concen: 7.030 ug/l

RT: 6.78 min Scan# 623

Delta R.T. 0.07 min

Lab File: VF061373.D

Acq: 11 Jan 2019 17:37

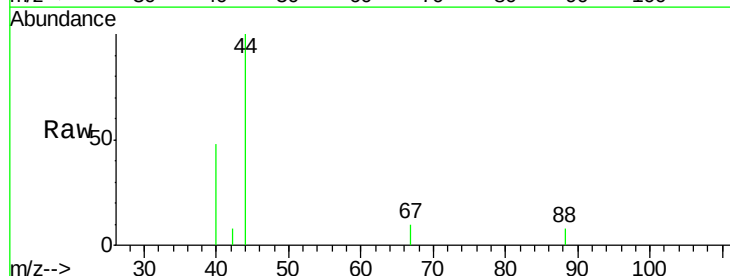
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 38.5 57.7#

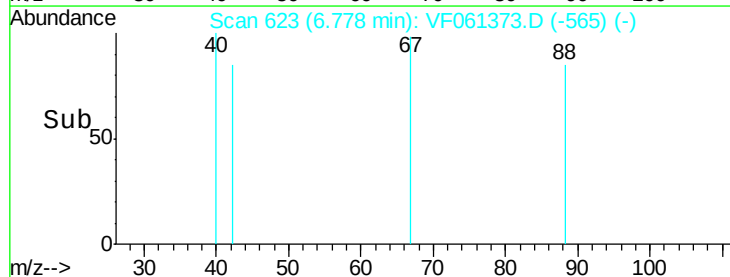
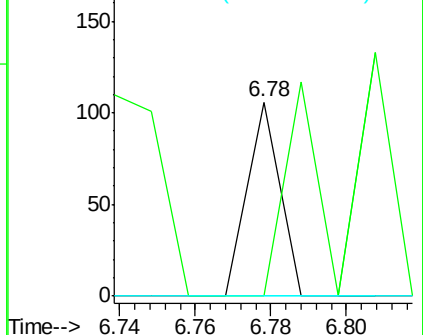
58 0.0 57.0 85.4#

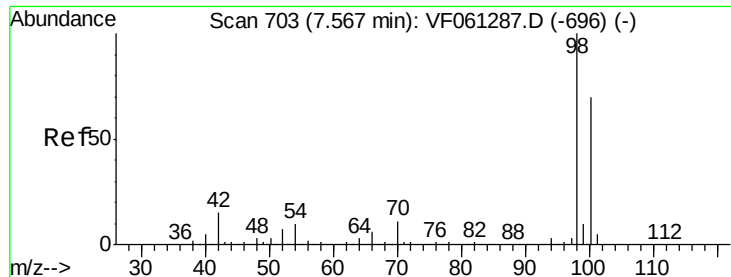


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

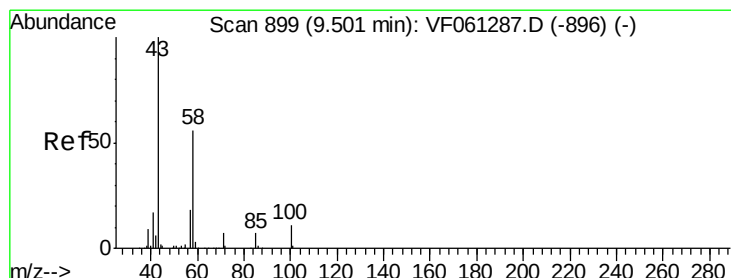
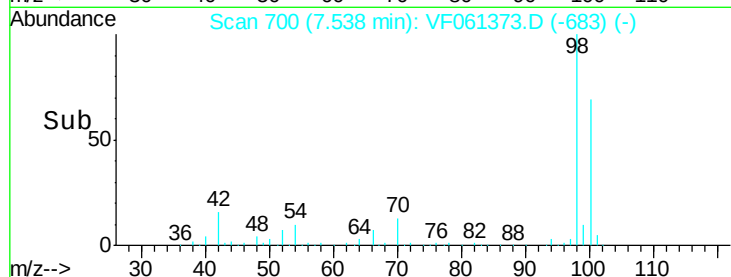
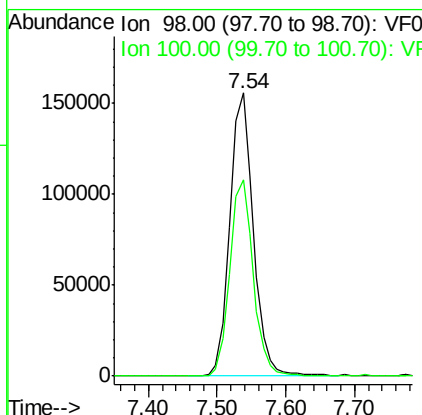
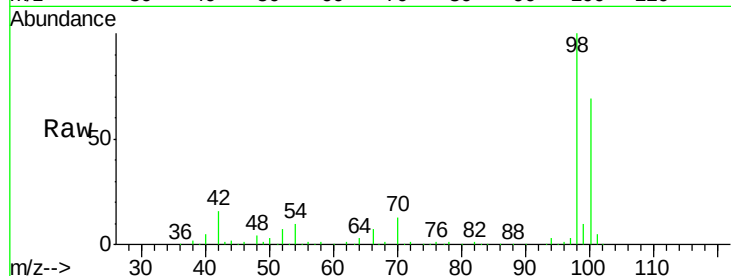




#50
Toluene-d8
Concen: 41.788 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

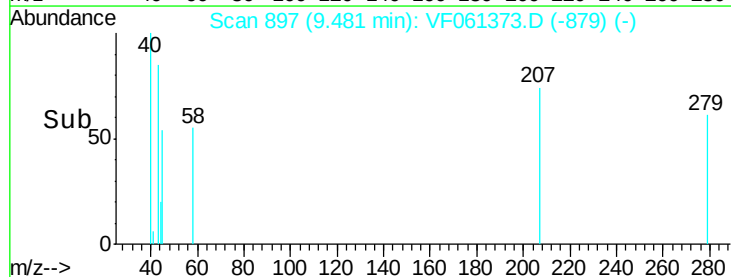
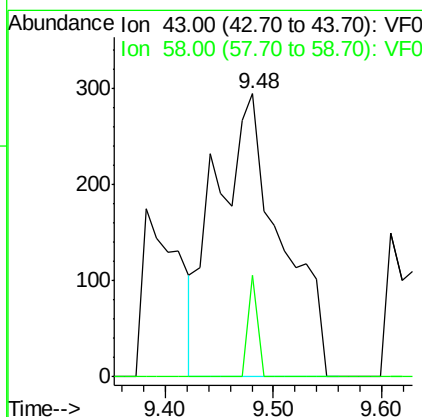
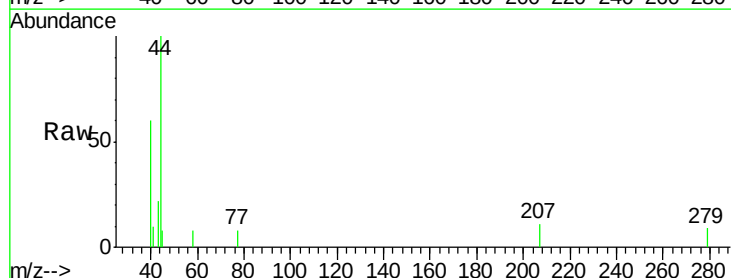
Instrument :
MSVOA_F
ClientSampleId :
FENCE-SOIL-PILE-1

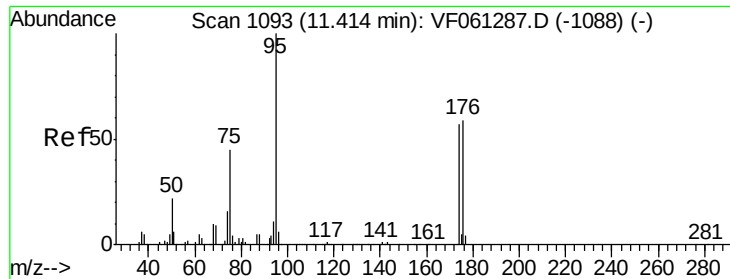
Tot Ion: 98 Resp: 368737
Ion Ratio Lower Upper
98 100
100 69.4 55.6 83.4



#59
2-Hexanone
Concen: 1.046 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
58 35.7 25.6 76.8

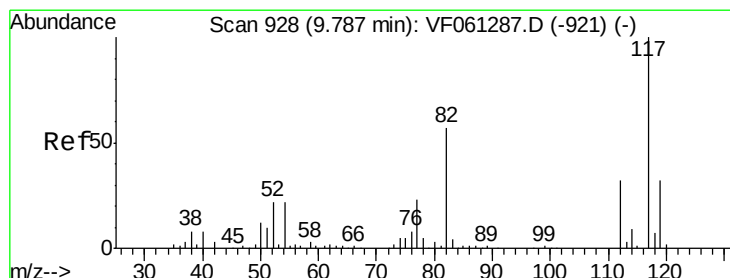
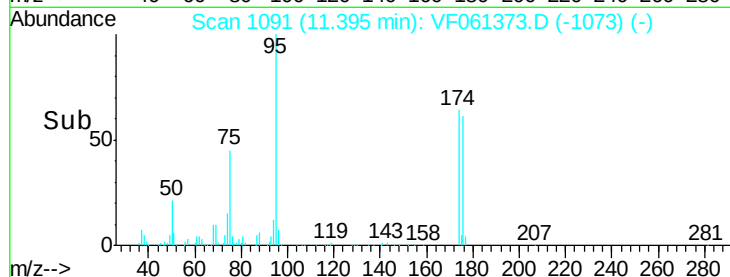
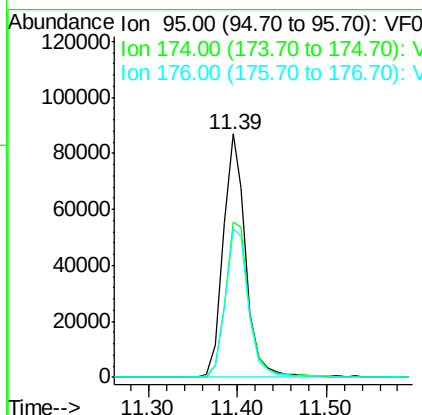
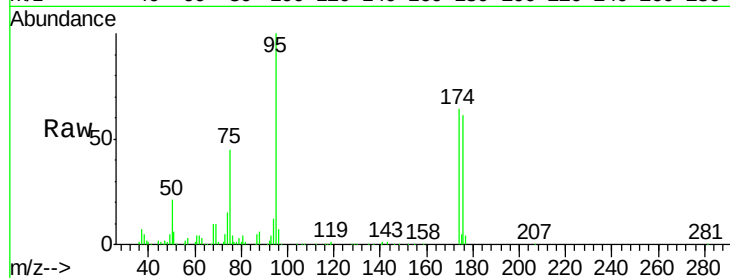




#62
4-Bromofluorobenzene
Concen: 40.289 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

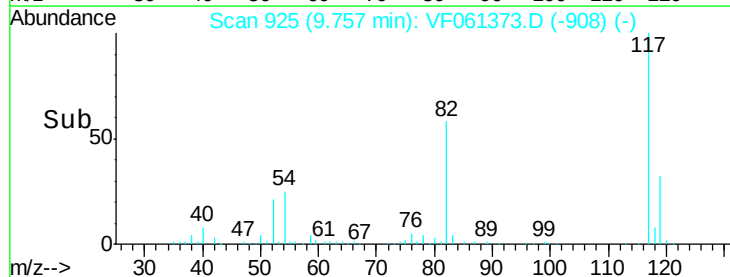
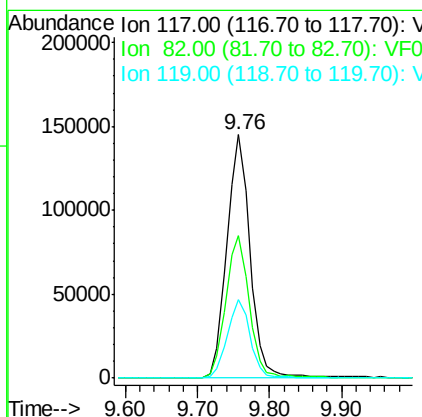
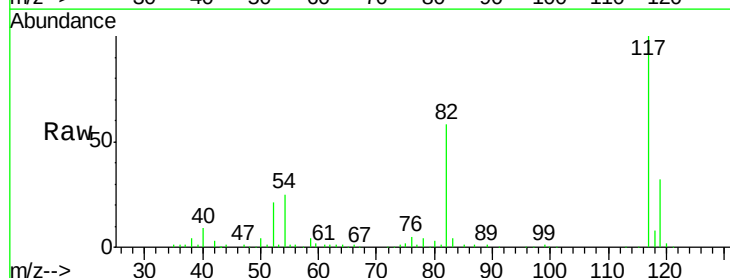
Instrument :
MSVOA_F
ClientSampleId :
FENCE-SOIL-PILE-1

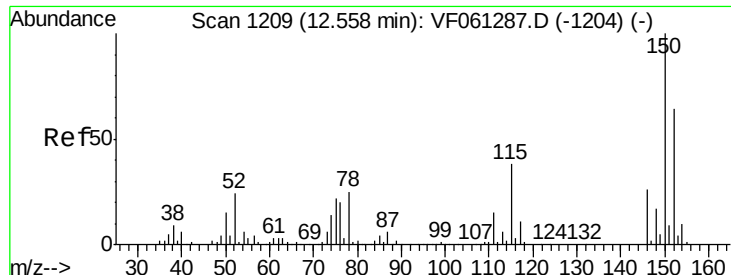
Tot Ion: 95 Resp: 155238
Ion Ratio Lower Upper
95 100
174 63.9 0.0 114.2
176 61.1 0.0 117.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061373.D
Acq: 11 Jan 2019 17:37

Tgt Ion: 117 Resp: 326529
Ion Ratio Lower Upper
117 100
82 58.5 45.3 67.9
119 32.1 25.4 38.0



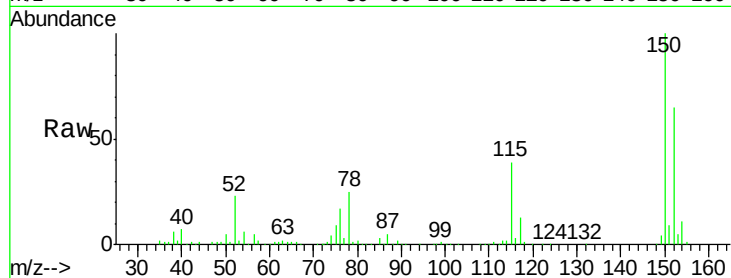


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VF061373.D
 Acq: 11 Jan 2019 17:37

Instrument :
 MSVOA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.6	88.9
150	153.3	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

