

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060576.D
 Acq On : 5 Nov 2018 16:52
 Operator : VA/AP
 Sample : J5724-01RE
 Misc : 5.05/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DARK-SOIL(NEAR-BERM)RE

Quant Time: Nov 05 17:15:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	1595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	1680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	60	3.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	7.44%	
35) Dibromofluoromethane	4.09	113	401	30.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	61.78%	
50) Toluene-d8	7.55	98	1194	31.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.10%	
62) 4-Bromofluorobenzene	11.37	95	144	8.56	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	17.12%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	0.96	85	378	20.302	ug/l #	41
3) Chloromethane	1.09	50	90	6.447	ug/l #	45
4) Vinyl Chloride	1.05	62	62	4.820	ug/l #	1
5) Bromomethane	1.33	94	312	43.211	ug/l #	74
6) Chloroethane	1.53	64	64	10.374	ug/l #	1
8) Diethyl Ether	1.52	74	90	20.170	ug/l	87
11) Tert butyl alcohol	2.54	59	67	74.633	ug/l #	1
12) 1,1-Dichloroethene	1.80	96	60	5.178	ug/l #	1
13) Acrolein	1.99	56	104	188.462	ug/l #	1
14) Allyl chloride	2.11	41	874	46.194	ug/l #	34
15) Acrylonitrile	2.94	53	69	35.926	ug/l #	15
16) Acetone	2.35	43	603	158.792	ug/l	99
17) Carbon Disulfide	1.77	76	793	24.296	ug/l #	38
18) Methyl Acetate	2.35	43	603	101.727	ug/l #	64
19) Methyl tert-butyl Ether	2.42	73	102	3.766	ug/l #	1
20) Methylene Chloride	2.21	84	1052	98.763	ug/l #	19
21) trans-1,2-Dichloroethene	2.29	96	150	12.339	ug/l #	1
22) Diisopropyl ether	2.76	45	150	3.742	ug/l #	1
23) Vinyl Acetate	3.15	43	940	39.028	ug/l #	75
24) 1,1-Dichloroethane	2.84	63	80	3.448	ug/l #	89
25) 2-Butanone	4.34	43	217	Below Cal	#	56
26) 2,2-Dichloropropane	3.61	77	197	11.349	ug/l #	57
27) cis-1,2-Dichloroethene	3.52	96	149	6.421	ug/l	1
29) Tetrahydrofuran	4.04	42	968	348.898	ug/l #	63
30) Chloroform	3.92	83	83	2.261	ug/l	84
31) Cyclohexane	3.68	56	349	10.901	ug/l #	23
32) 1,1,1-Trichloroethane	4.09	97	149	5.812	ug/l #	21
36) 1,1-Dichloropropene	4.24	75	67	3.622	ug/l #	1
37) Ethyl Acetate	4.09	43	826	93.021	ug/l #	12
38) Carbon Tetrachloride	4.00	117	63	3.986	ug/l #	11
39) Methylcyclohexane	5.44	83	427	18.916	ug/l #	30
40) Benzene	4.69	78	73	1.626	ug/l #	1
41) Methacrylonitrile	4.79	41	852	169.429	ug/l #	65
42) 1,2-Dichloroethane	4.89	62	67	5.199	ug/l	71

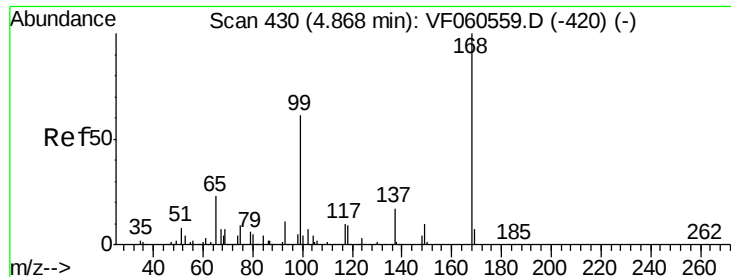
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060576.D
 Acq On : 5 Nov 2018 16:52
 Operator : VA/AP
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	6.92	43	1344	119.657	uq/l #	45
45) 1,2-Dichloropropane	6.22	63	160	13.933	uq/l #	43
46) Dibromomethane	5.98	93	117	16.060	uq/l #	29
47) Bromodichloromethane	6.33	83	472	26.861	uq/l #	66
48) Methyl methacrylate	6.67	41	1022	144.775	uq/l #	56
51) 4-Methyl-2-Pentanone	8.23	43	692	91.617	uq/l #	37
52) Toluene	7.59	92	70	2.393	uq/l #	58
53) t-1,3-Dichloropropene	8.32	75	65	4.256	uq/l #	1
54) cis-1,3-Dichloropropene	7.36	75	201	10.416	uq/l #	1
55) 1,1,2-Trichloroethane	8.45	97	150	17.623	uq/l #	43
56) Ethyl methacrylate	8.61	69	128	11.689	uq/l #	1
57) 1,3-Dichloropropane	8.87	76	61	4.085	uq/l #	44
58) 2-Chloroethyl Vinyl ether	7.73	63	79	100.287	uq/l	100
59) 2-Hexanone	9.46	43	712	130.080	uq/l #	43
60) Dibromochloromethane	8.76	129	66	5.545	uq/l #	12
61) 1,2-Dibromoethane	8.84	107	65	7.262	uq/l #	1
67) Ethyl Benzene	9.90	91	184	9.517	uq/l #	44
70) Styrene	10.93	104	149	12.933	uq/l #	33

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

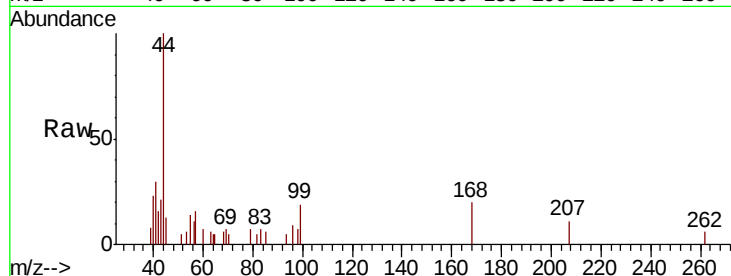
DARK-SOIL(NEAR-BERM)RE

Tot Ion:168 Resp: 1595

Ion Ratio Lower Upper

168 100

99 92.2 48.6 72.8#



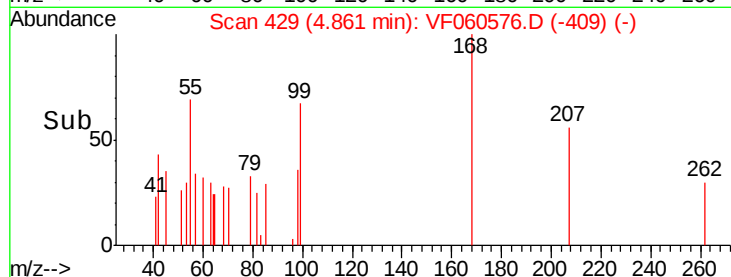
Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

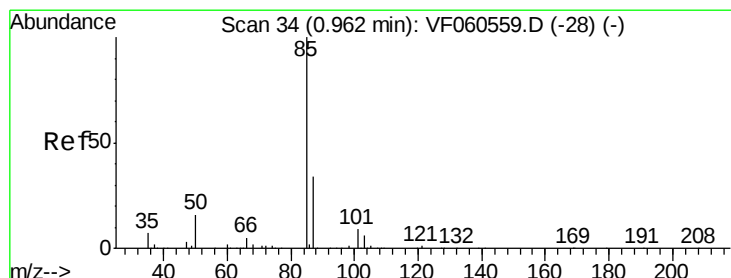
4.86

4.90

5.00



Time-->



#2

Dichlorodifluoromethane

Concen: 20.302 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060576.D

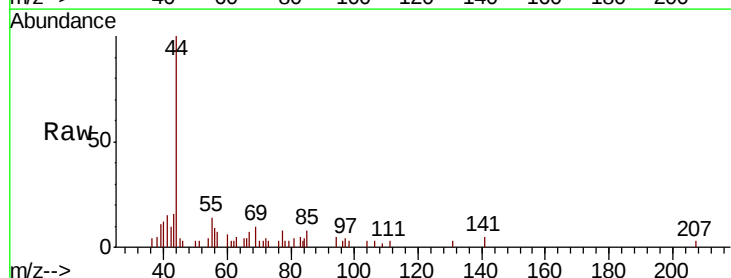
Acq: 5 Nov 2018 16:52

Tgt Ion: 85 Resp: 378

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



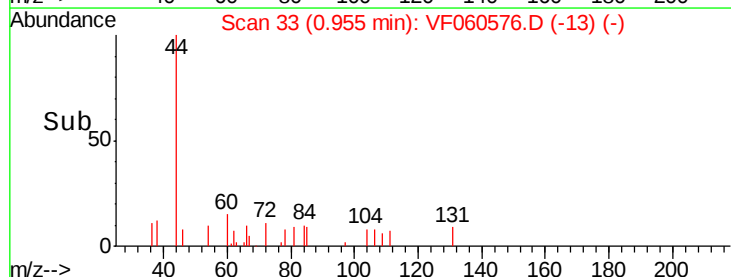
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

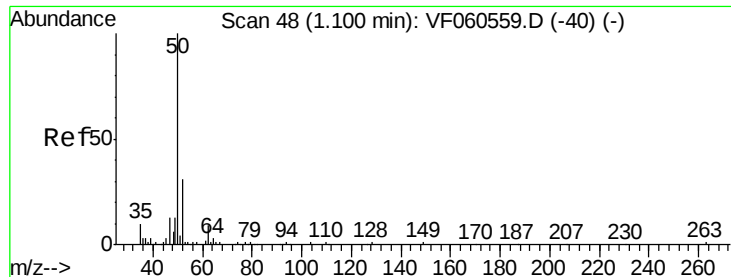
0.96

0.98

1.00



Time-->



#3

Chloromethane

Concen: 6.447 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

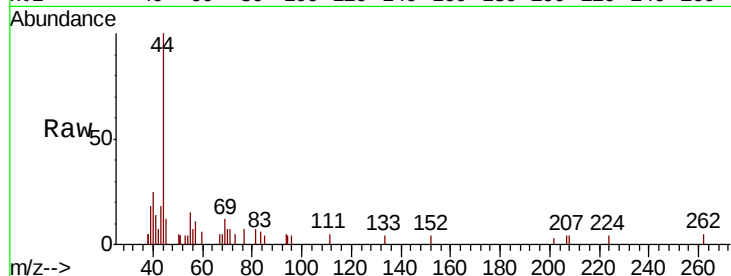
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 50 Resp: 90

Ion Ratio Lower Upper

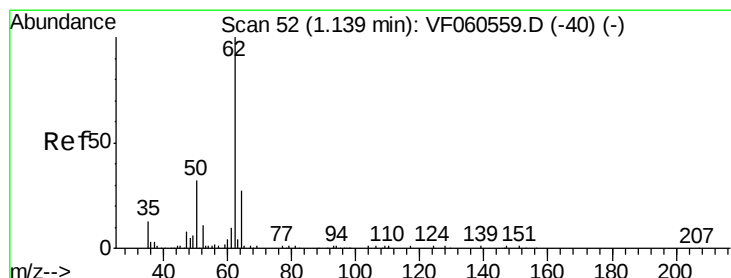
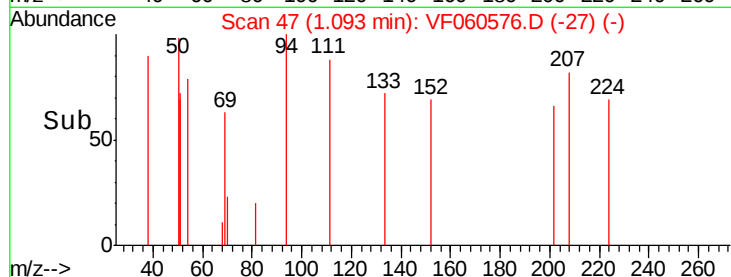
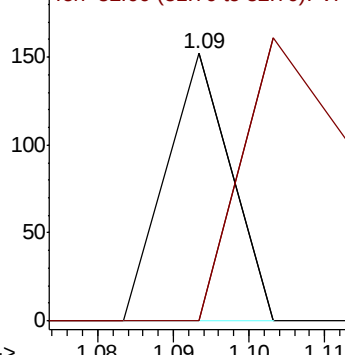
50 100

52 0.0 24.0 36.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 4.820 ug/l

RT: 1.05 min Scan# 43

Delta R.T. -0.09 min

Lab File: VF060576.D

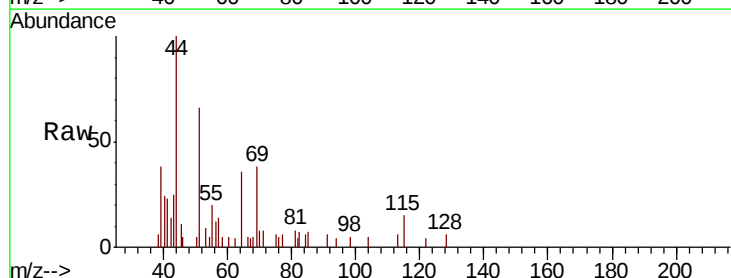
Acq: 5 Nov 2018 16:52

Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

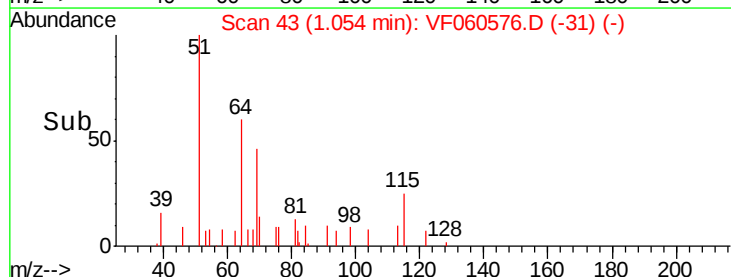
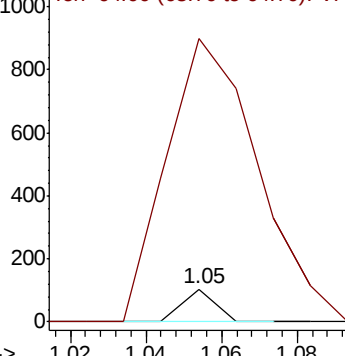
62 100

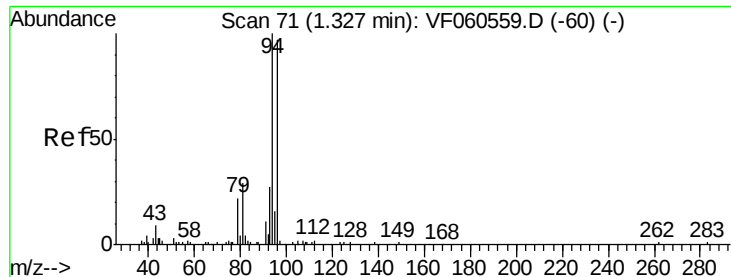
64 855.2 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 43.211 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

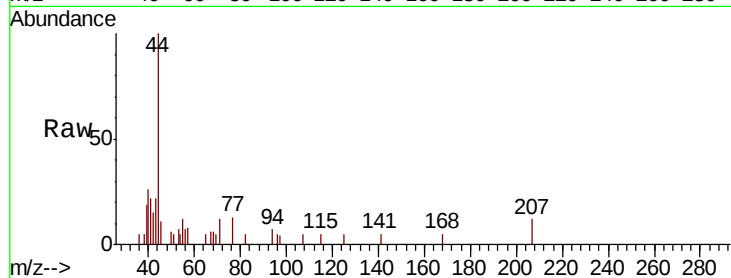
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 94 Resp: 312

Ion Ratio Lower Upper

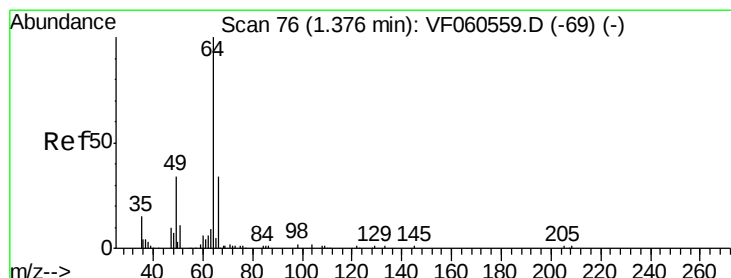
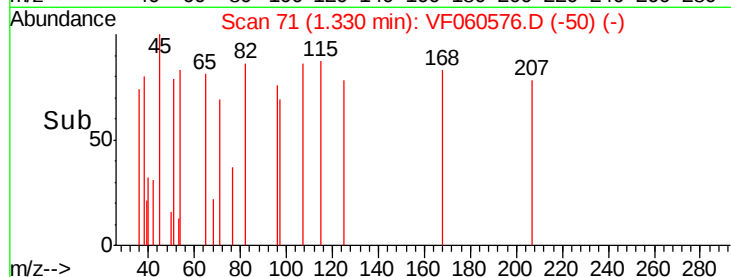
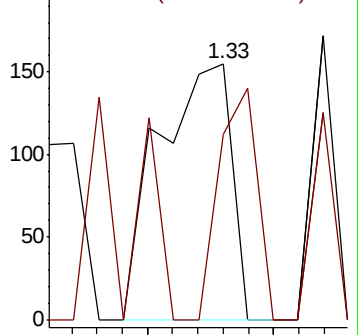
94 100

96 72.3 77.9 116.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 10.374 ug/l

RT: 1.53 min Scan# 91

Delta R.T. 0.15 min

Lab File: VF060576.D

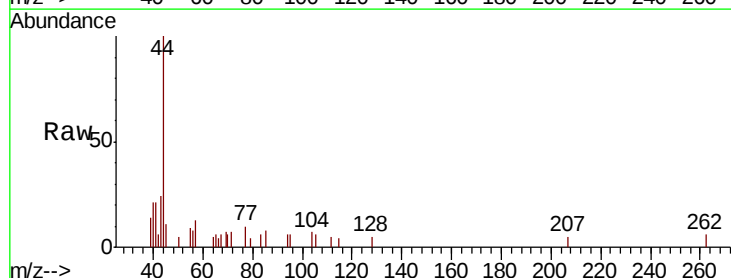
Acq: 5 Nov 2018 16:52

Tgt Ion: 64 Resp: 64

Ion Ratio Lower Upper

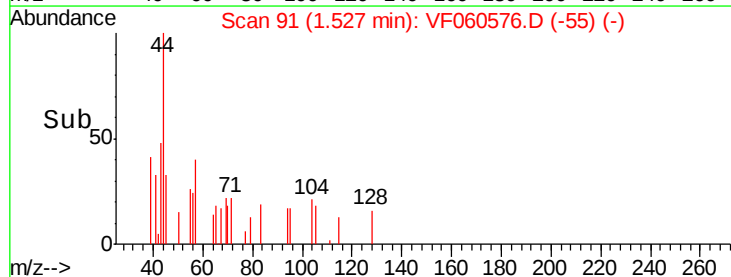
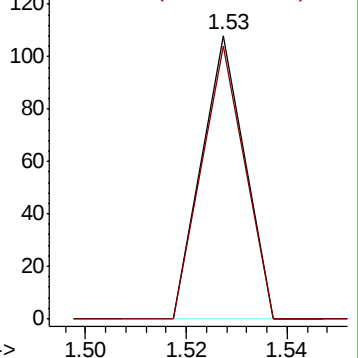
64 100

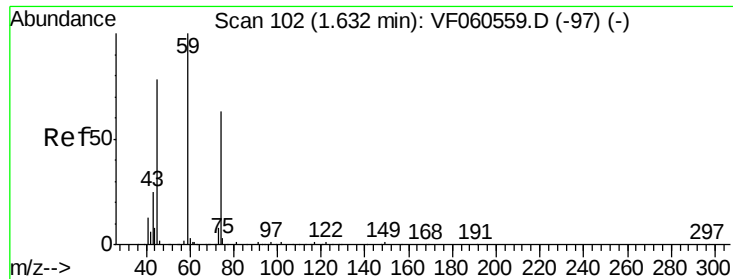
66 96.3 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

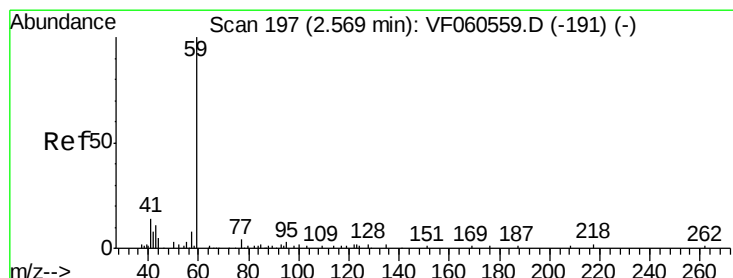
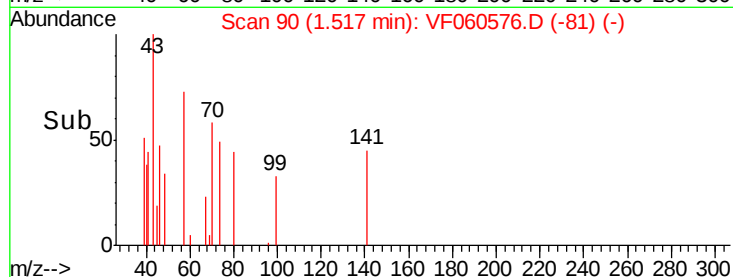
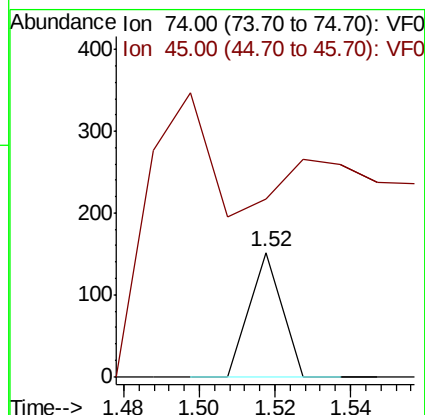
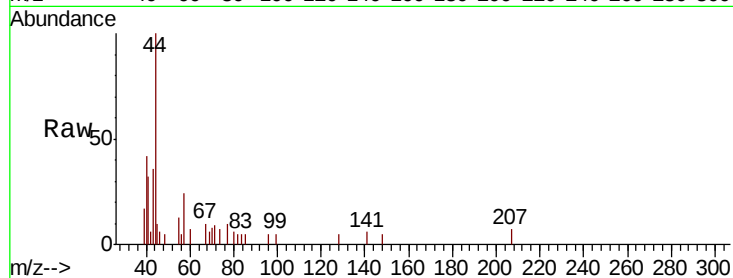




#8
Diethyl Ether
Concen: 20.170 ug/l
RT: 1.52 min Scan# 90
Delta R.T. -0.11 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

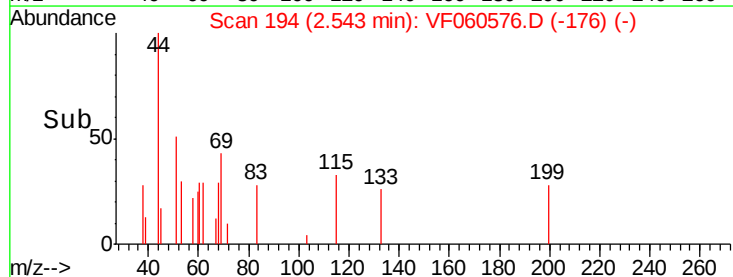
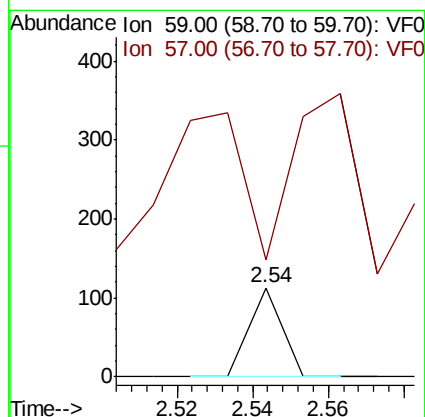
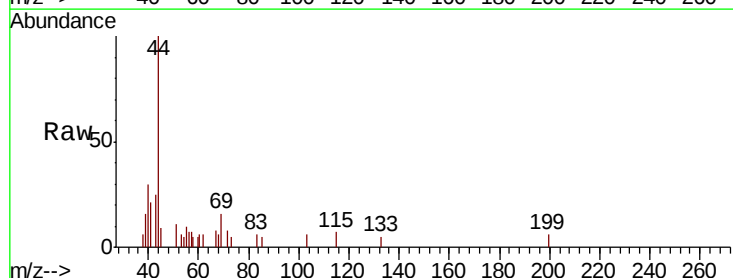
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ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

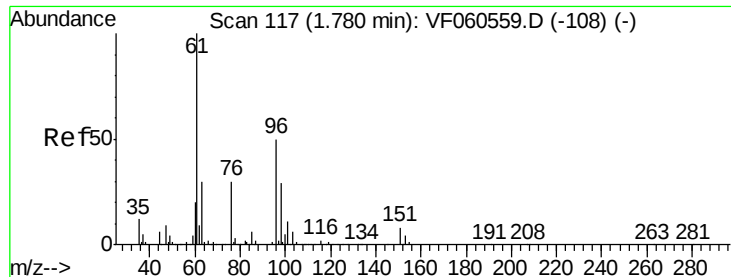
Tot Ion: 74 Resp: 90
Ion Ratio Lower Upper
74 100
45 142.8 63.8 191.5



#11
Tert butyl alcohol
Concen: 74.633 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 131.0 19.0 28.4#





#12

1,1-Dichloroethene

Concen: 5.178 ug/l

RT: 1.80 min Scan# 119

Delta R.T. 0.02 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

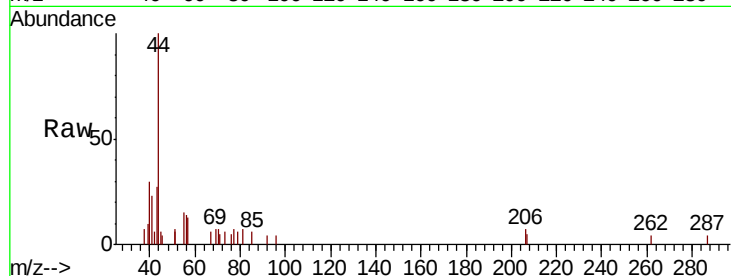
Tot Ion: 96 Resp: 60

Ion Ratio Lower Upper

96 100

61 0.0 158.1 237.1#

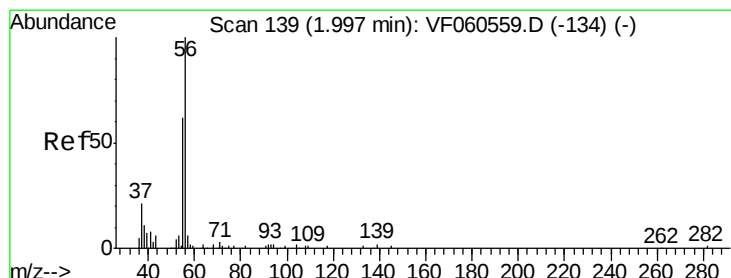
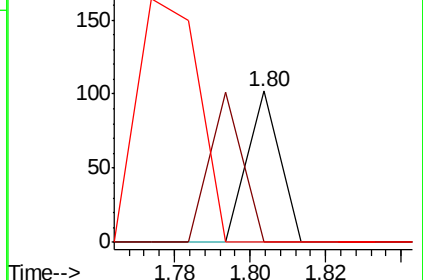
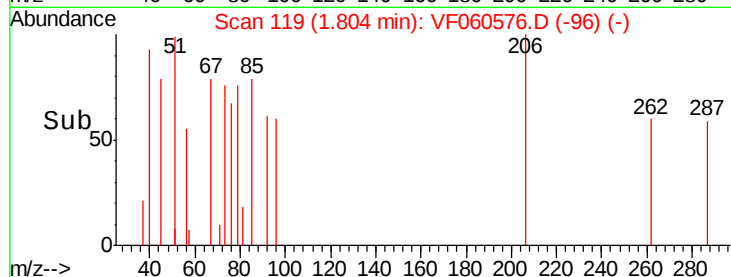
98 0.0 47.0 70.6#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 188.462 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF060576.D

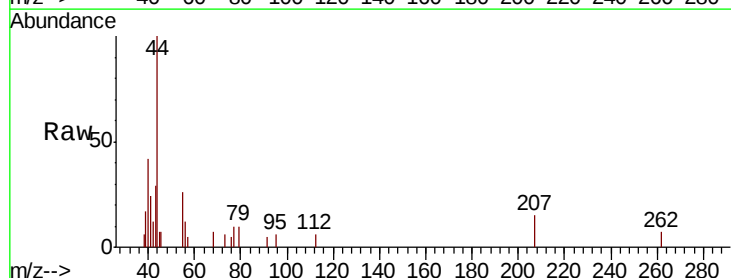
Acq: 5 Nov 2018 16:52

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

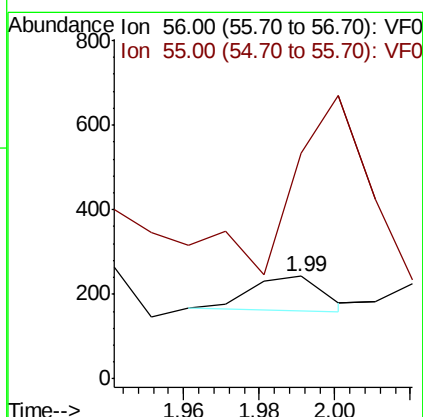
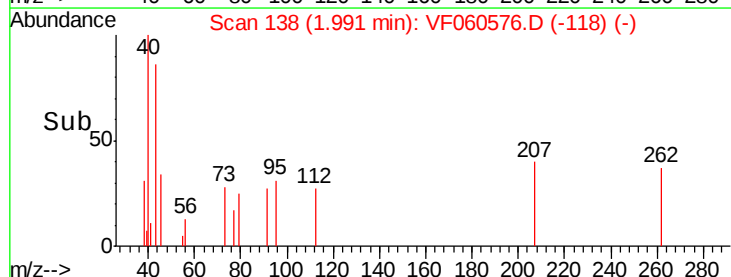
56 100

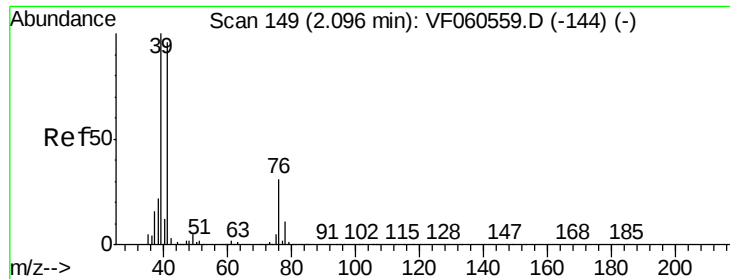
55 219.3 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

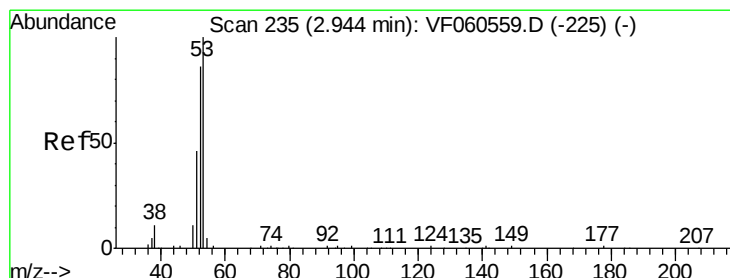
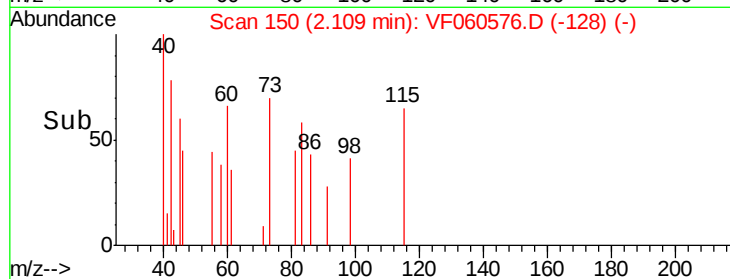
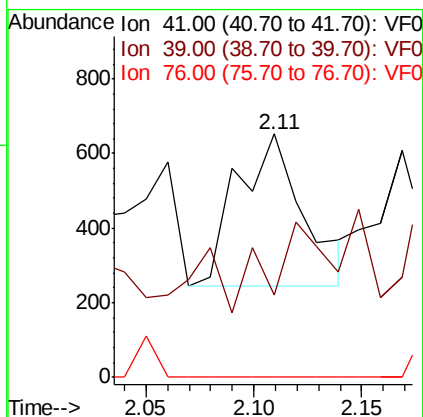
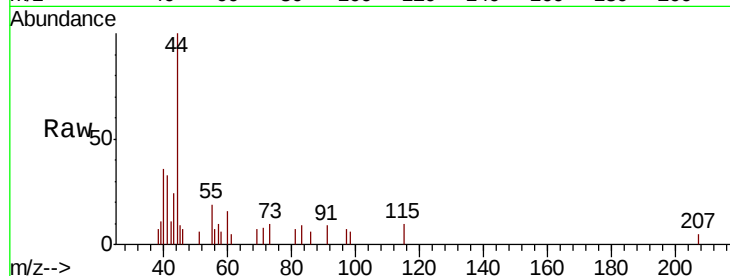




#14
Allvl chloride
Concen: 46.194 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

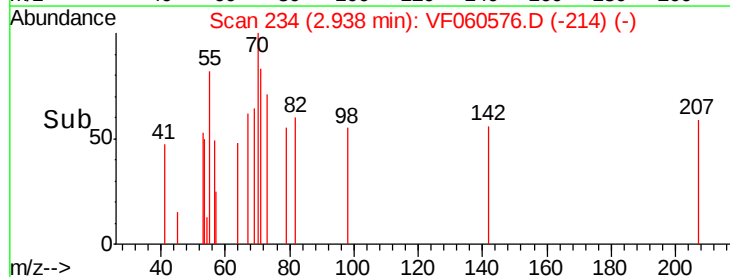
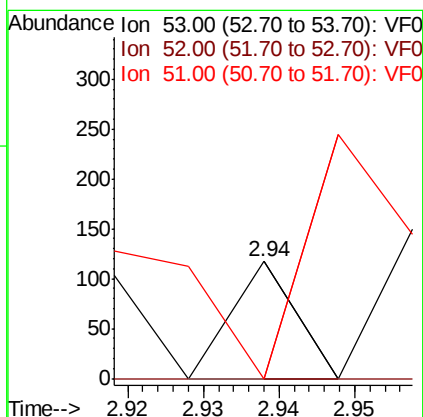
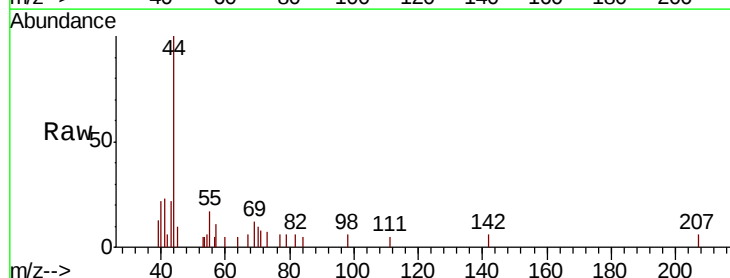
Instrument :
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DARK-SOIL(NEAR-BERM)RE

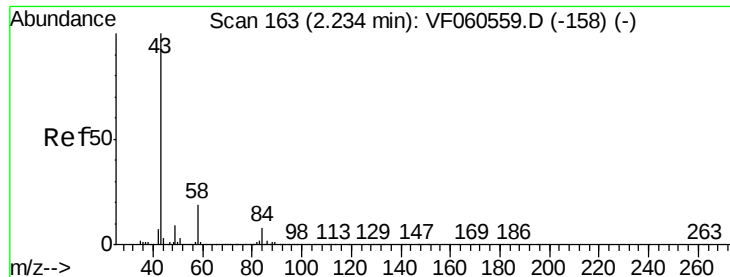
Tot Ion: 41 Resp: 874
Ion Ratio Lower Upper
41 100
39 33.8 82.6 124.0#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 35.926 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 53 Resp: 69
Ion Ratio Lower Upper
53 100
52 0.0 68.5 102.7#
51 0.0 38.2 57.2#





#16

Acetone

Concen: 158.792 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.11 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

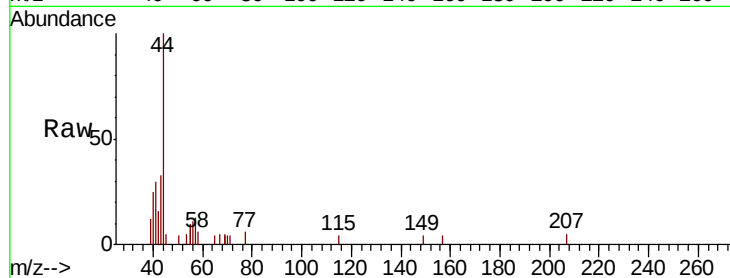
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 43 Resp: 603

Ion Ratio Lower Upper

43 100

58 17.9 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.35

800

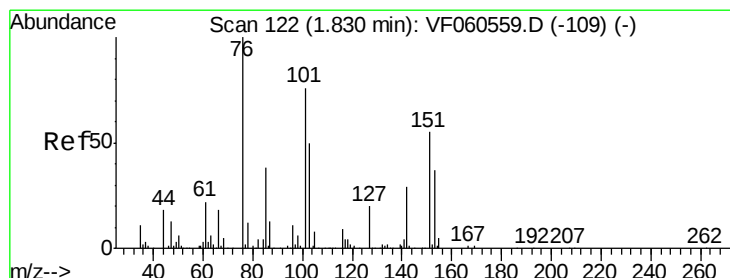
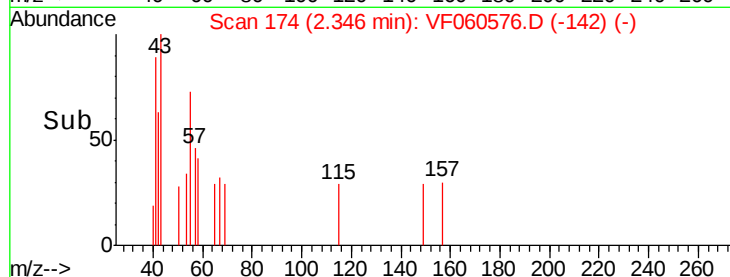
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 24.296 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.06 min

Lab File: VF060576.D

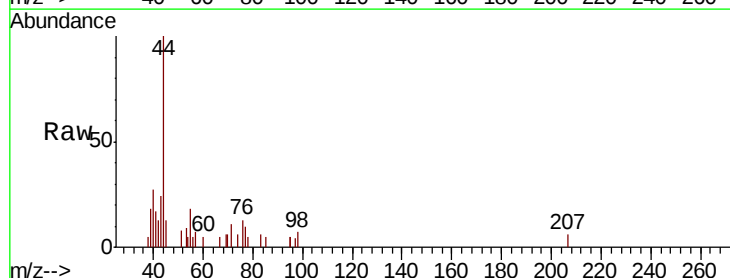
Acq: 5 Nov 2018 16:52

Tgt Ion: 76 Resp: 793

Ion Ratio Lower Upper

76 100

78 36.8 9.9 14.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.77

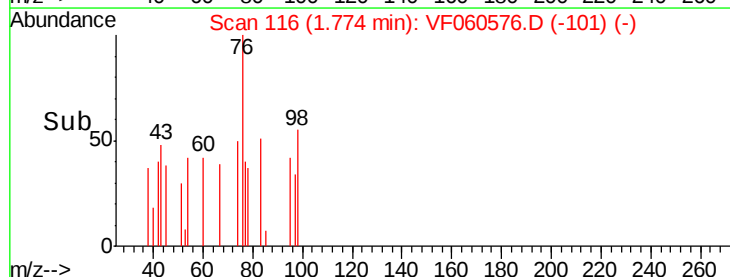
300

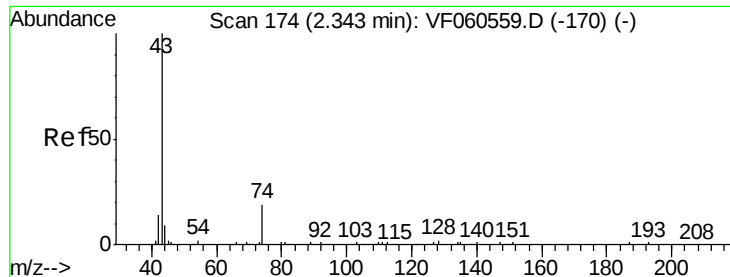
200

100

0

Time-->

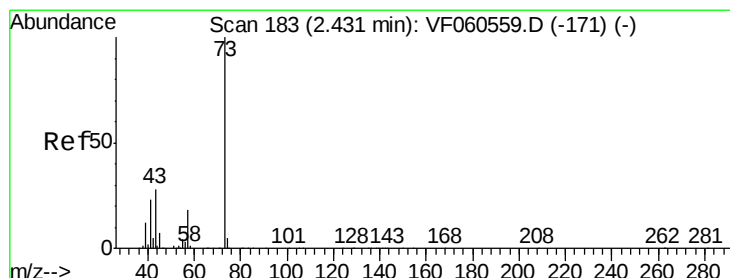
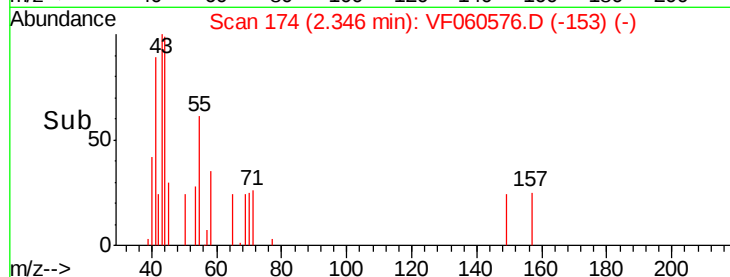
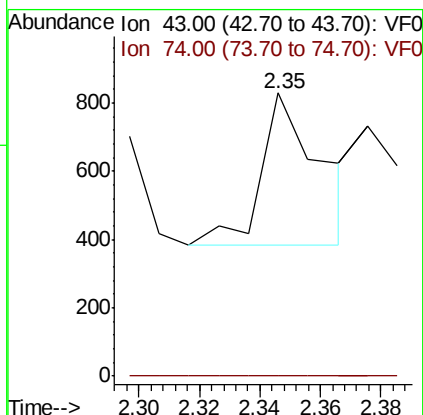
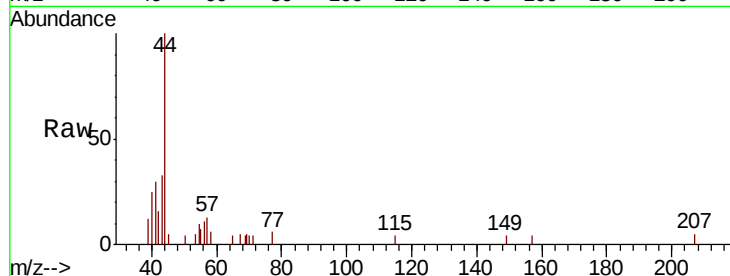




#18
Methyl Acetate
Concen: 101.727 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

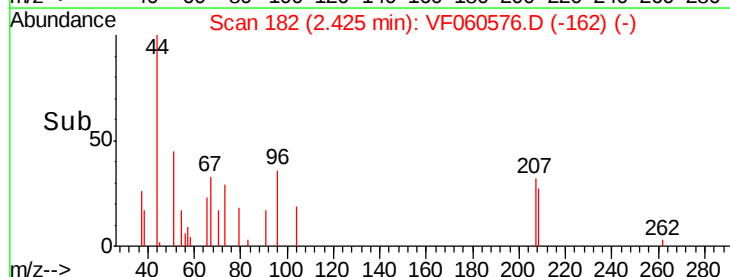
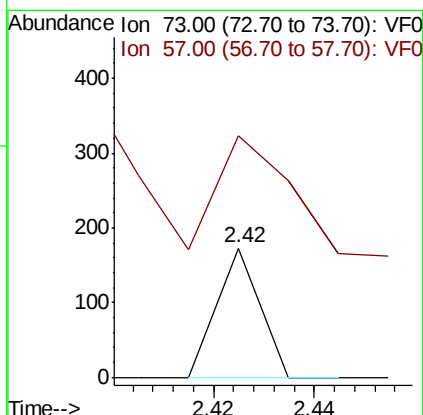
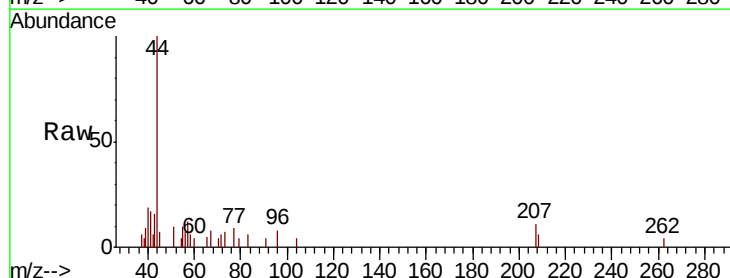
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

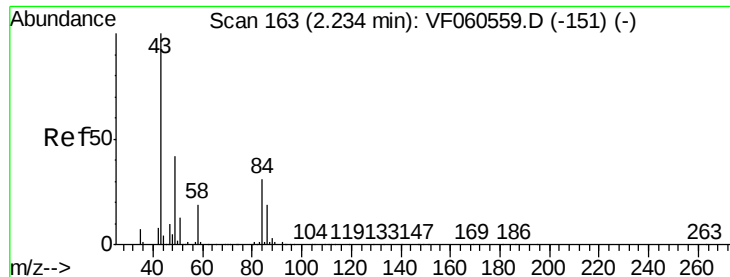
Tot Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



#19
Methyl tert-butyl Ether
Concen: 3.766 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 73 Resp: 102
Ion Ratio Lower Upper
73 100
57 186.7 15.4 23.0#

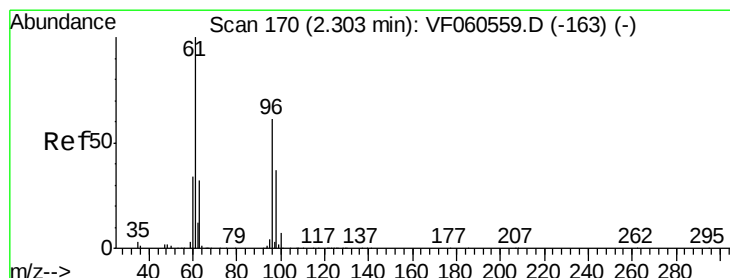
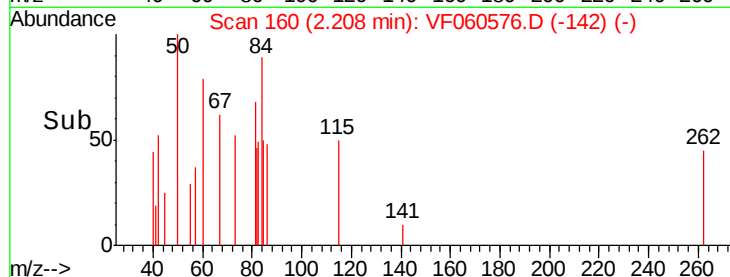
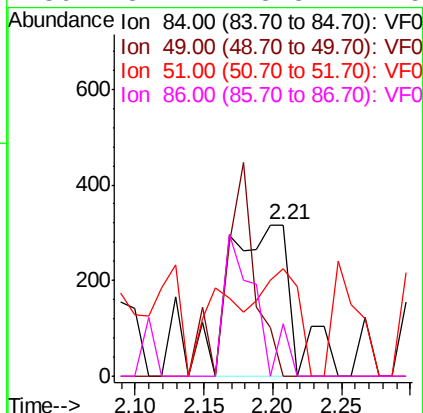
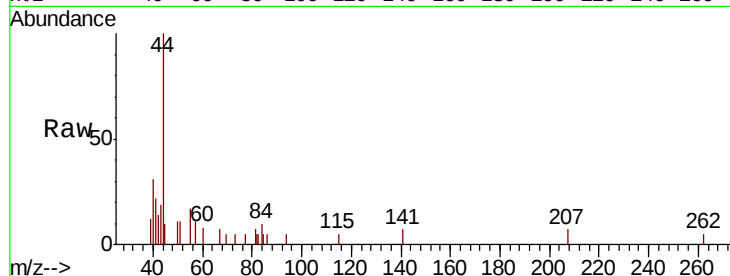




#20
Methylene Chloride
Concen: 98.763 ug/l
RT: 2.21 min Scan# 160
Delta R.T. -0.03 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

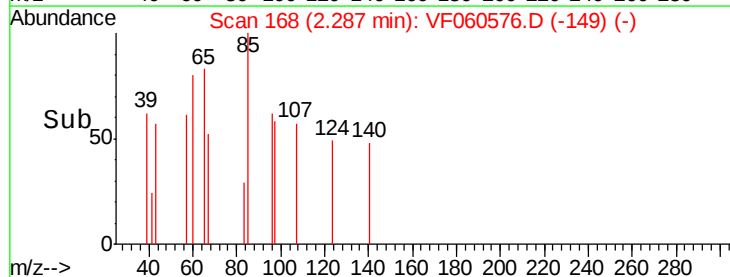
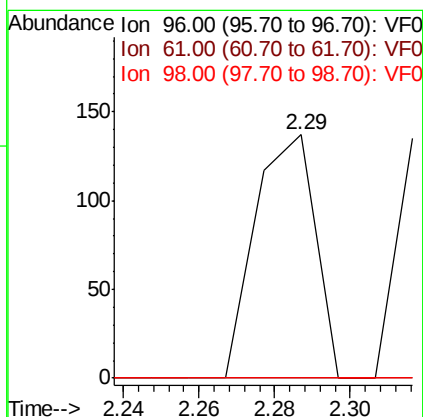
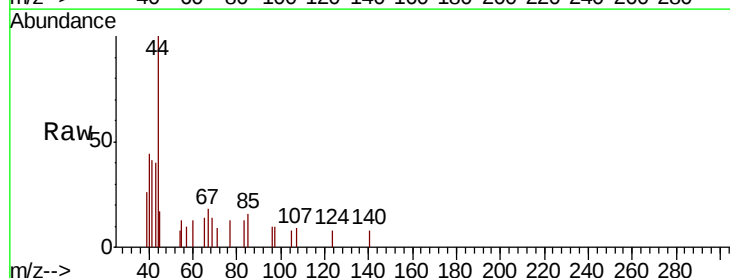
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

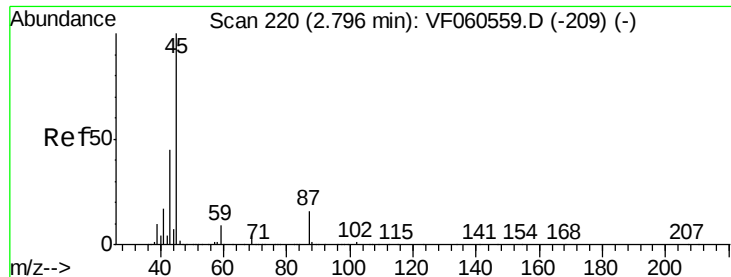
Tot Ion: 84 Resp: 1052
Ion Ratio Lower Upper
84 100
49 0.0 109.9 164.9#
51 71.3 35.8 53.8#
86 34.7 48.3 72.5#



#21
trans-1,2-Dichloroethene
Concen: 12.339 ug/l
RT: 2.29 min Scan# 168
Delta R.T. -0.02 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 96 Resp: 150
Ion Ratio Lower Upper
96 100
61 0.0 131.3 196.9#
98 0.0 48.6 73.0#

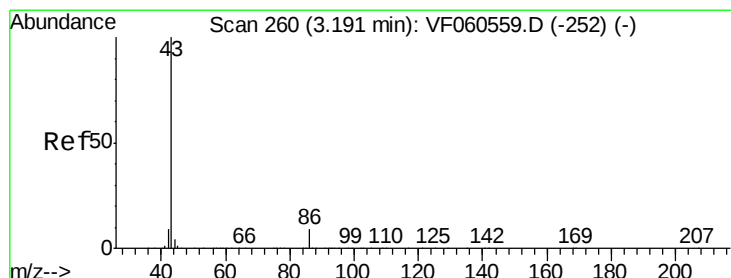
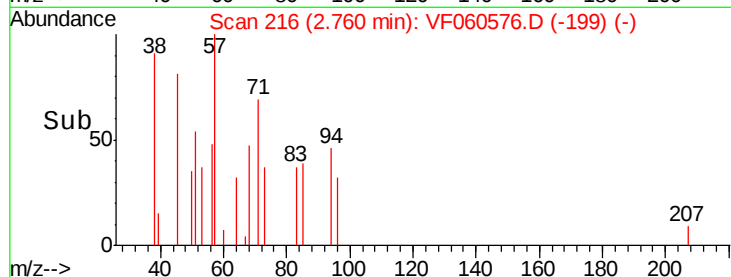
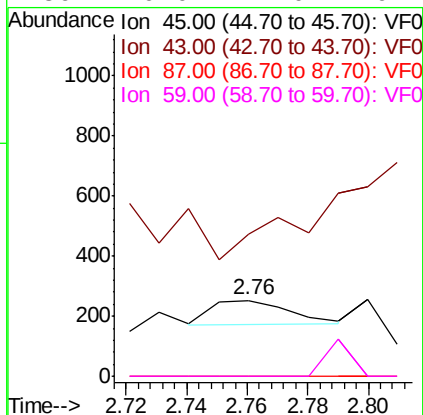
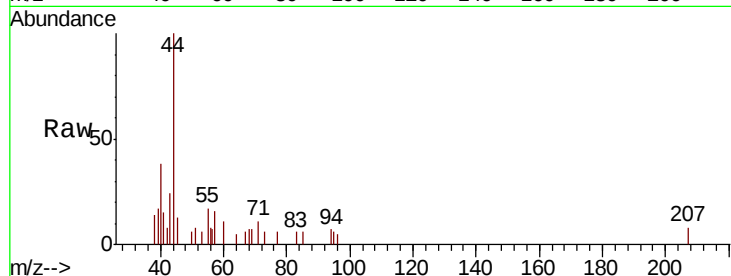




#22
Diisopropyl ether
Concen: 3.742 ug/l
RT: 2.76 min Scan# 216
Delta R.T. -0.04 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

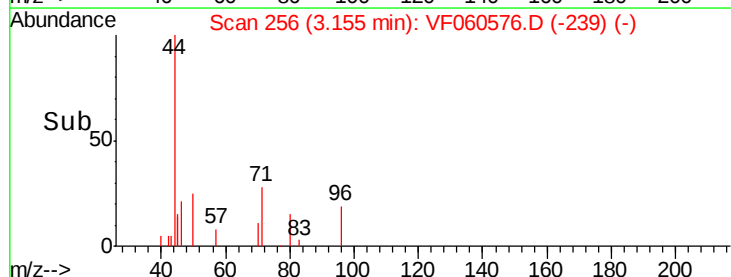
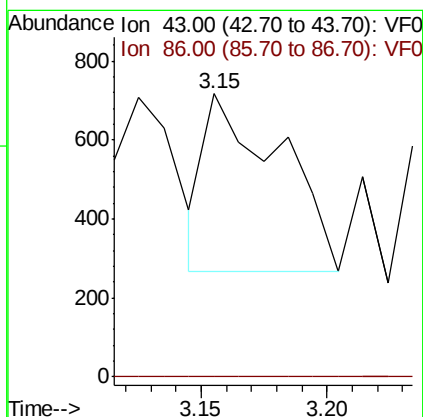
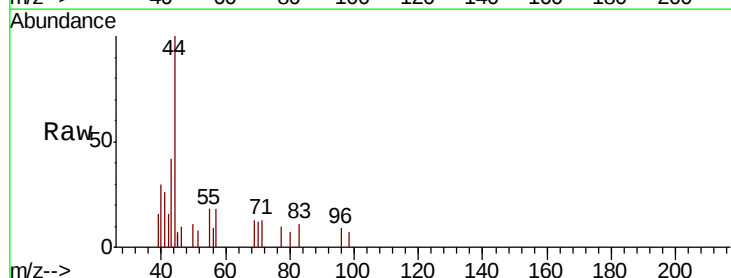
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

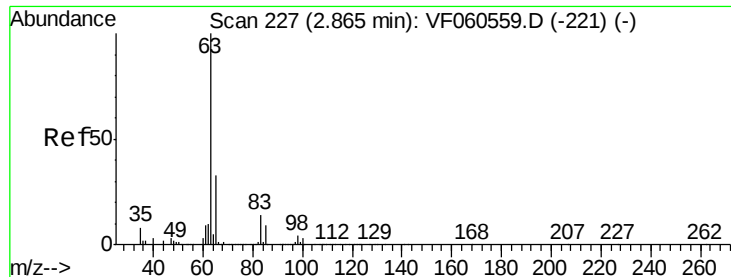
Tot Ion:	45	Resp:	150
Ion	Ratio	Lower	Upper
45	100		
43	187.7	38.1	57.1#
87	0.0	12.7	19.1#
59	0.0	7.0	10.4#



#23
Vinyl Acetate
Concen: 39.028 ug/l
RT: 3.15 min Scan# 256
Delta R.T. -0.04 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion:	43	Resp:	940
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#24

1,1-Dichloroethane

Concen: 3.448 ug/l

RT: 2.84 min Scan# 224

Delta R.T. -0.03 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

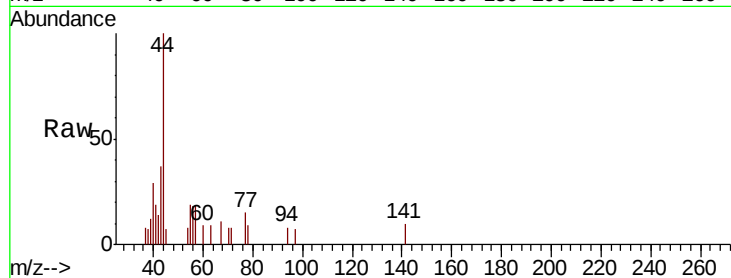
Tot Ion: 63 Resp: 80

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

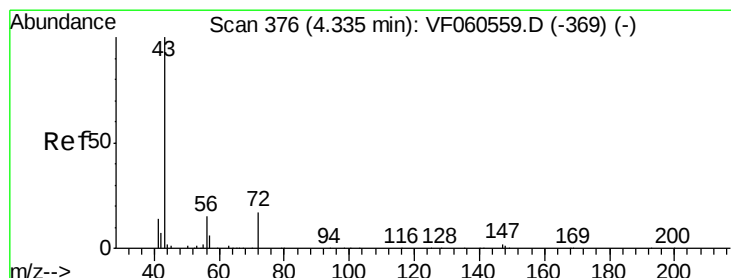
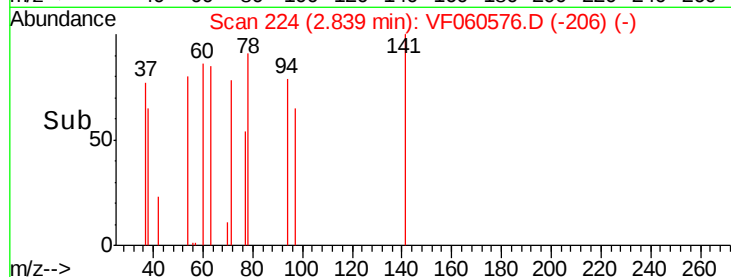
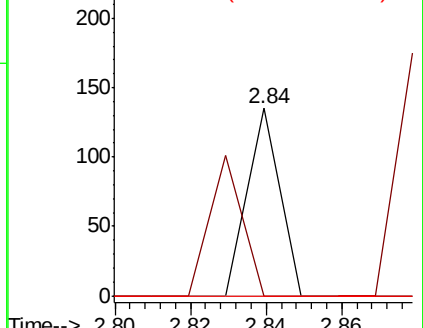
100 0.0 1.4 4.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: Below Cal

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060576.D

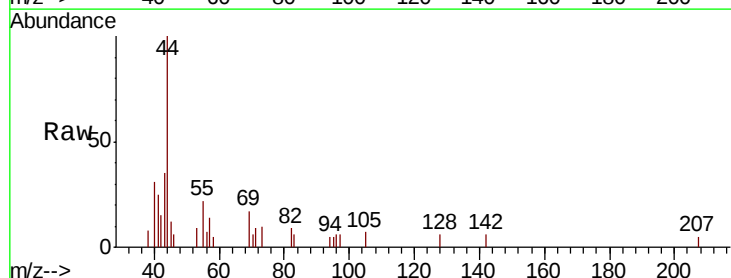
Acq: 5 Nov 2018 16:52

Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

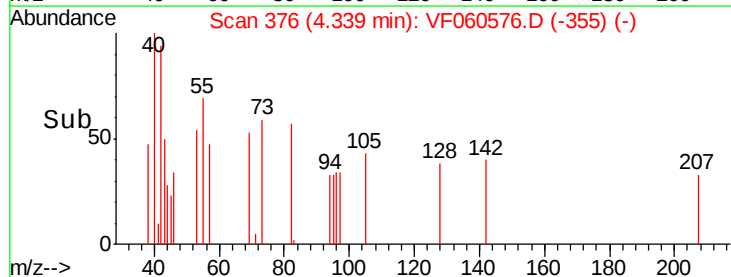
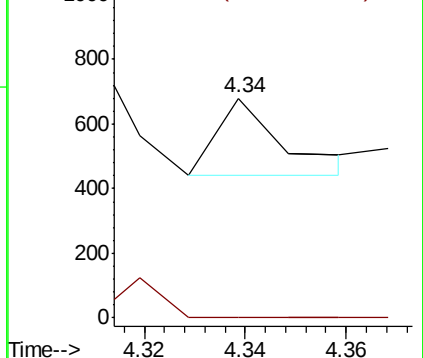
43 100

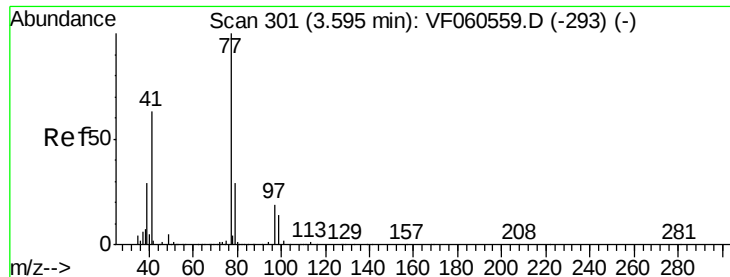
72 0.0 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 11.349 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

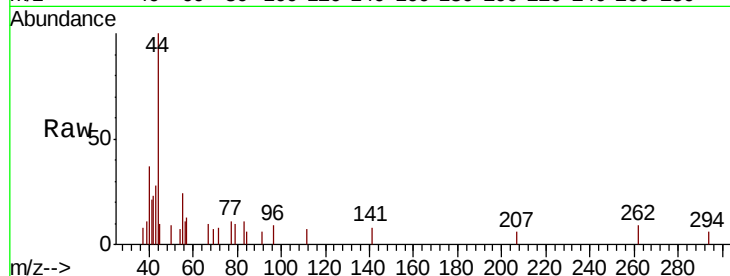
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 77 Resp: 197

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.61

150

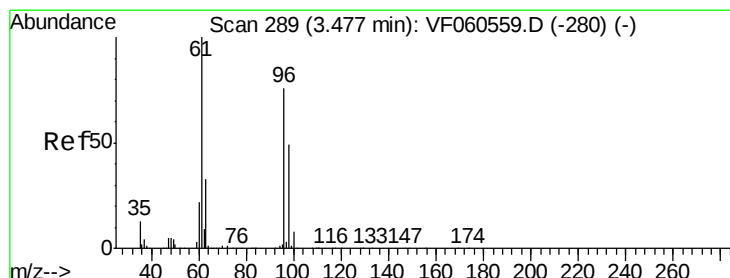
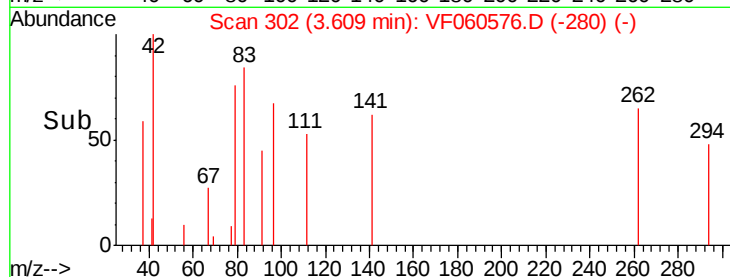
100

50

0

3.60 3.62

Time-->



#27

cis-1,2-Dichloroethene

Concen: 6.421 ug/l

RT: 3.52 min Scan# 293

Delta R.T. 0.04 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

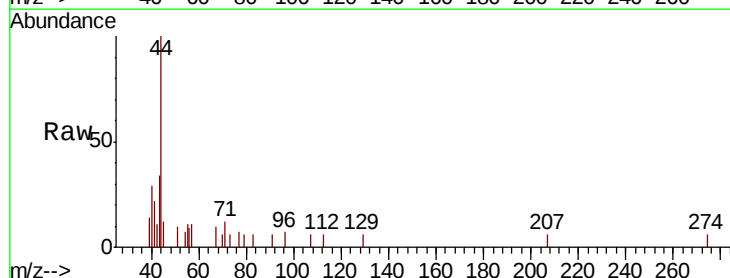
Tgt Ion: 96 Resp: 149

Ion Ratio Lower Upper

96 100

61 0.0 0.0 263.0

98 0.0 0.0 130.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150

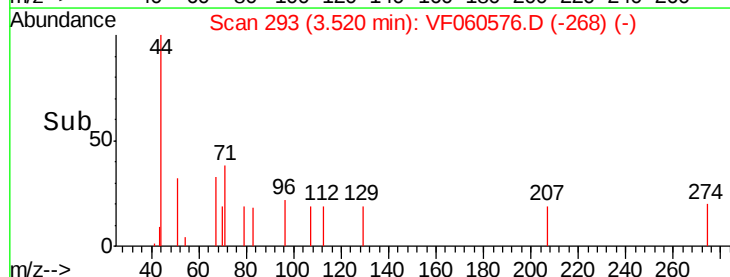
100

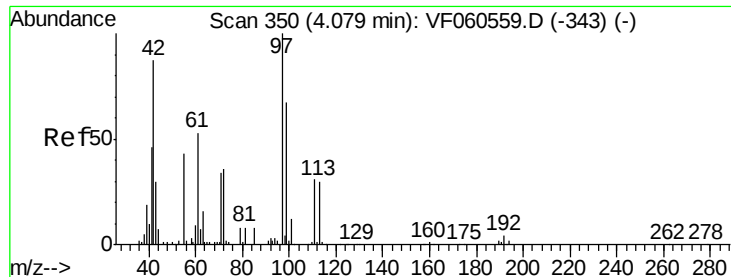
50

0

3.50 3.52 3.55

Time-->





#29

Tetrahydrofuran

Concen: 348.898 ug/l

RT: 4.04 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

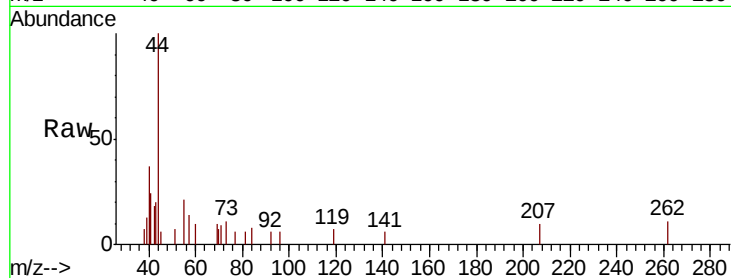
Tot Ion: 42 Resp: 968

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

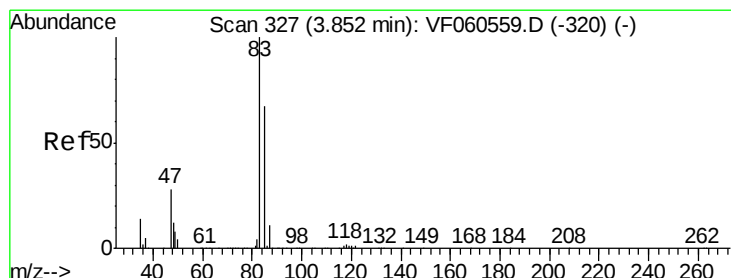
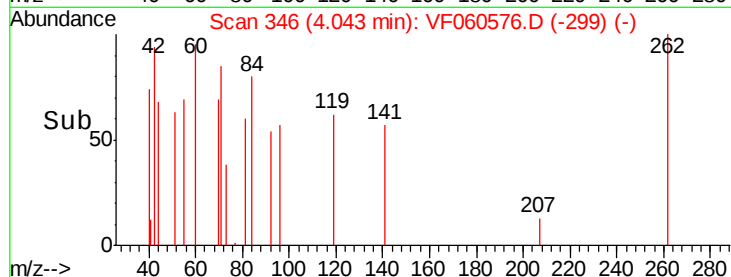
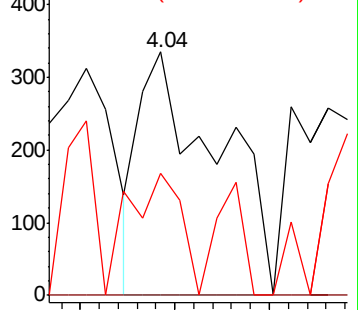
71 33.6 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 2.261 ug/l

RT: 3.92 min Scan# 334

Delta R.T. 0.07 min

Lab File: VF060576.D

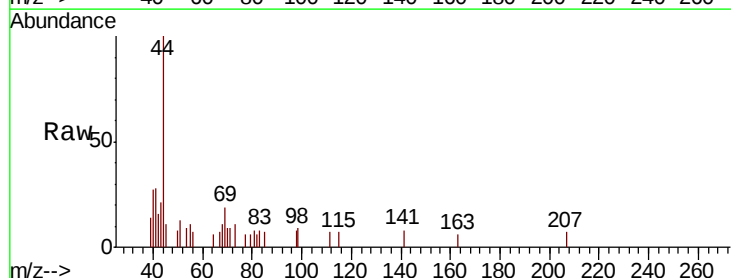
Acq: 5 Nov 2018 16:52

Tgt Ion: 83 Resp: 83

Ion Ratio Lower Upper

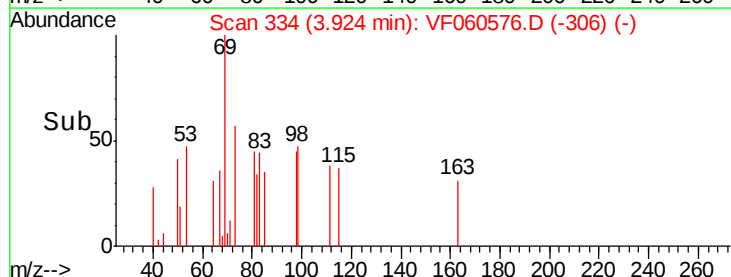
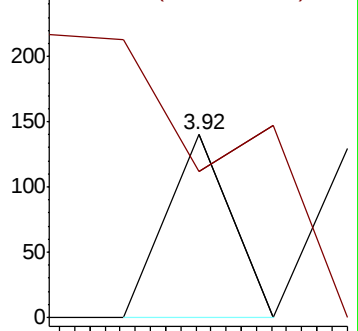
83 100

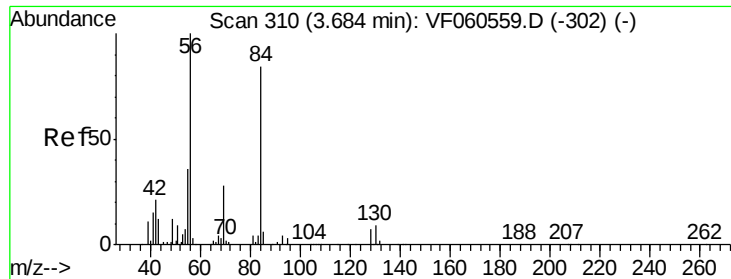
85 80.0 53.7 80.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

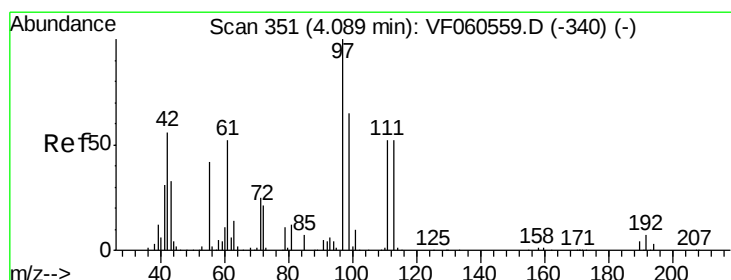
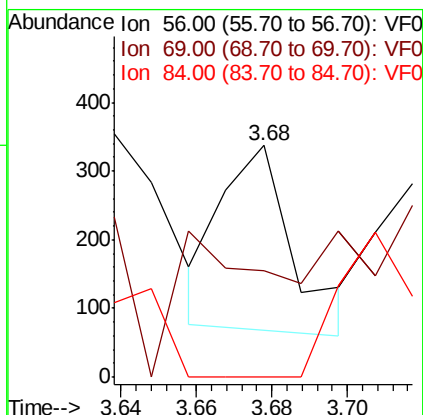
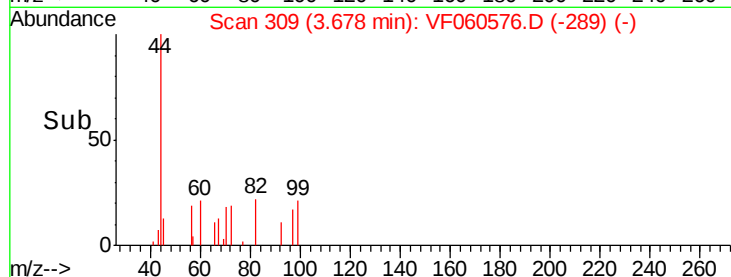
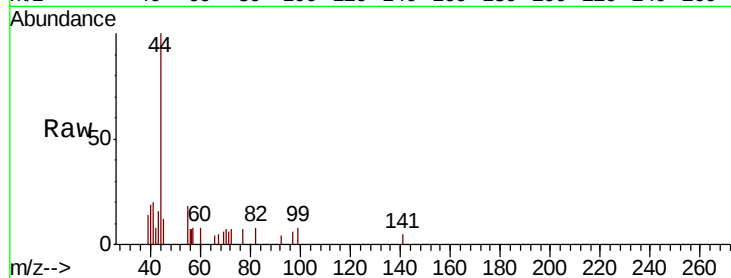




#31
Cyclohexane
Concen: 10.901 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

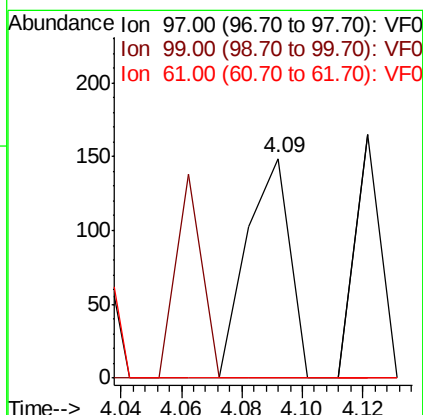
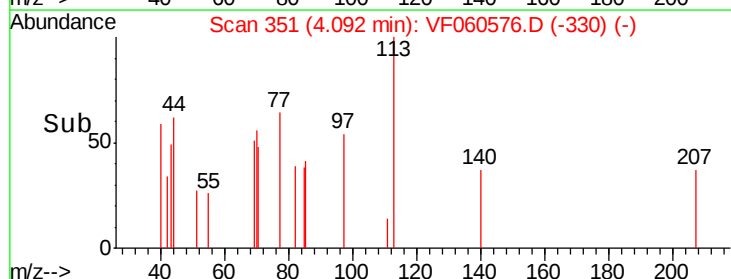
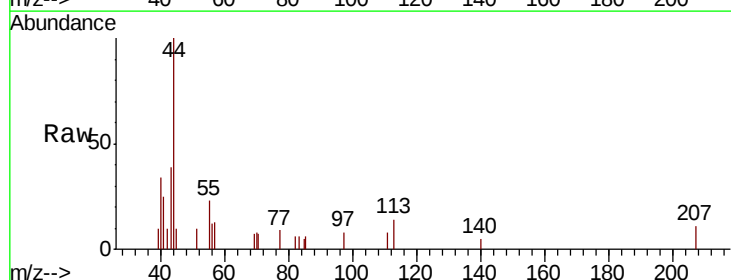
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

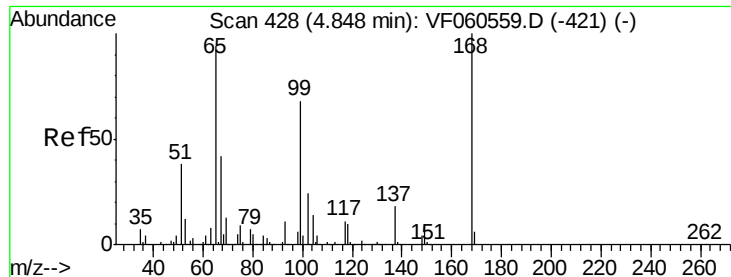
Tot Ion: 56 Resp: 349
Ion Ratio Lower Upper
56 100
69 46.0 23.0 34.4#
84 0.0 67.1 100.7#



#32
1,1,1-Trichloroethane
Concen: 5.812 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 97 Resp: 149
Ion Ratio Lower Upper
97 100
99 0.0 52.4 78.6#
61 0.0 41.5 62.3#

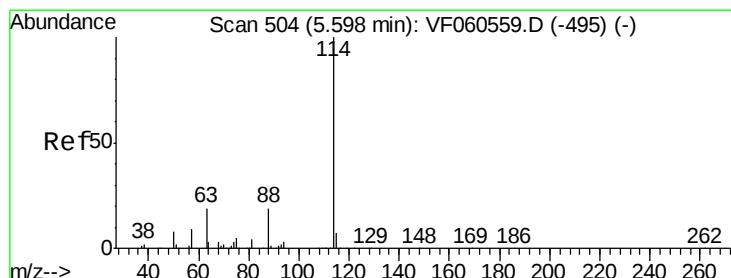
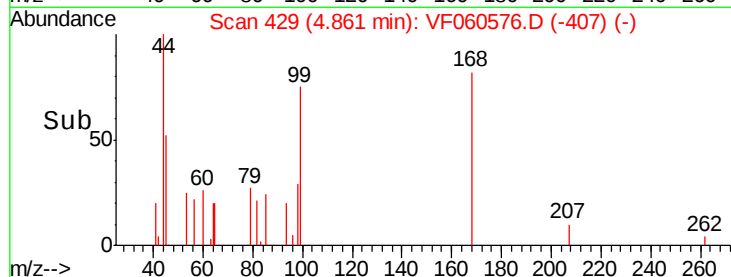
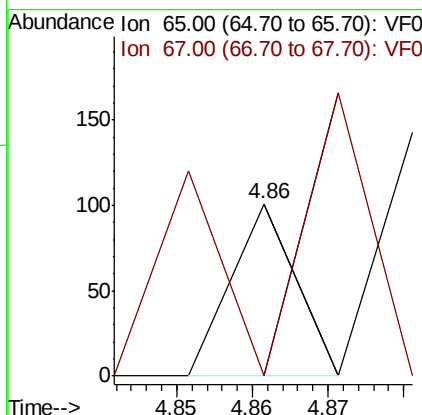
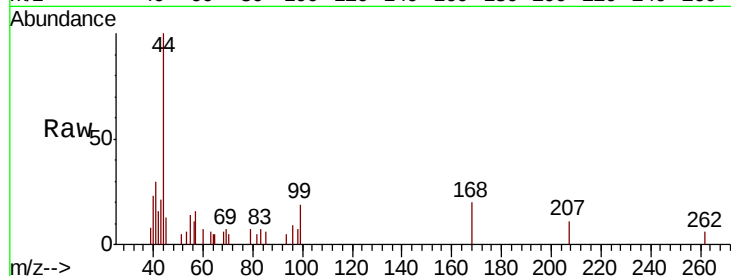




#33
 1,2-Dichloroethane-d4
 Concen: 3.723 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF060576.D
 Acq: 5 Nov 2018 16:52

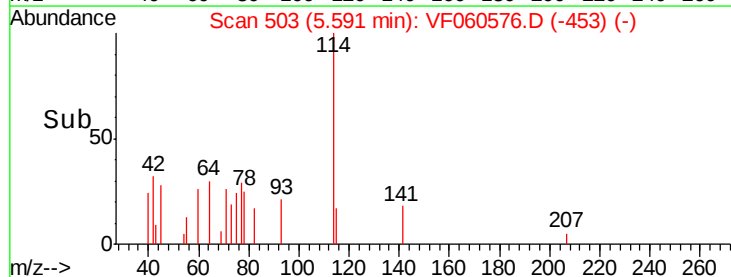
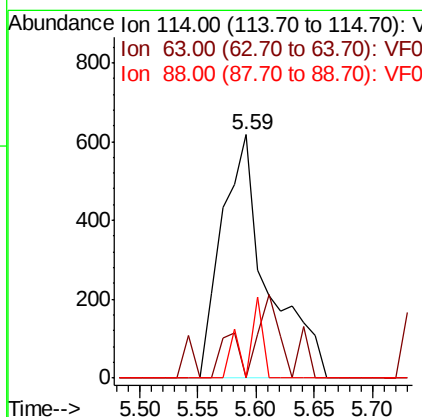
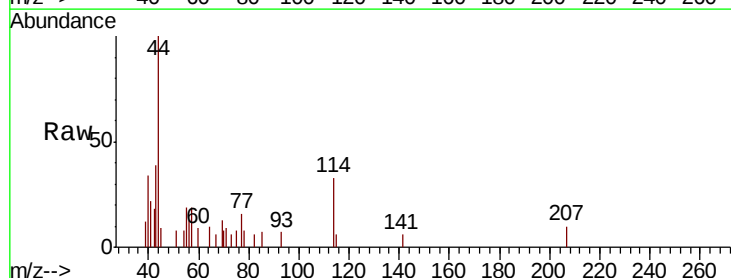
Instrument :
 MSVOA_F
 ClientSampleId :
 DARK-SOIL(NEAR-BERM)RE

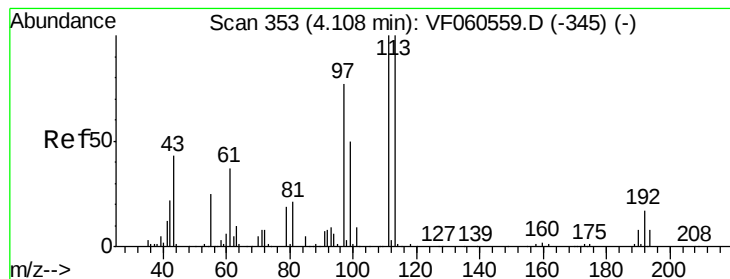
Tot Ion: 65 Resp: 60
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF060576.D
 Acq: 5 Nov 2018 16:52

Tgt Ion:114 Resp: 1680
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 39.0
 88 0.0 0.0 38.2





#35

Dibromofluoromethane

Concen: 30.895 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

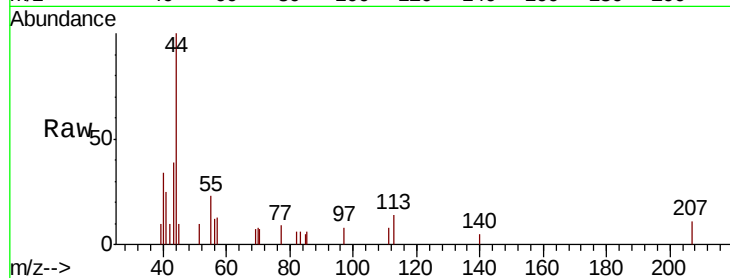
Tot Ion:113 Resp: 401

Ion Ratio Lower Upper

113 100

111 56.8 79.9 119.9#

192 0.0 13.3 19.9#



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

4.09

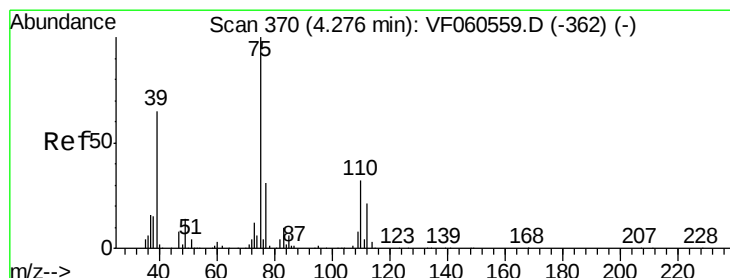
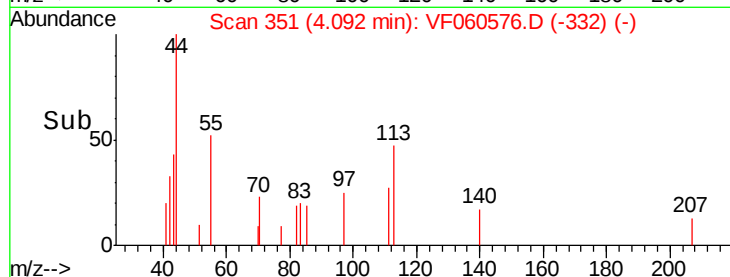
300

200

100

0

Time-->



#36

1,1-Dichloropropene

Concen: 3.622 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.04 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

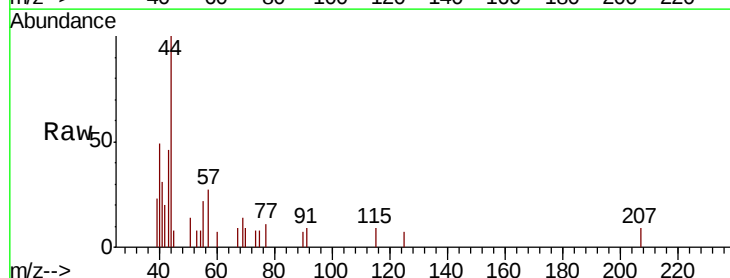
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

110 0.0 16.2 48.6#

77 147.4 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

400

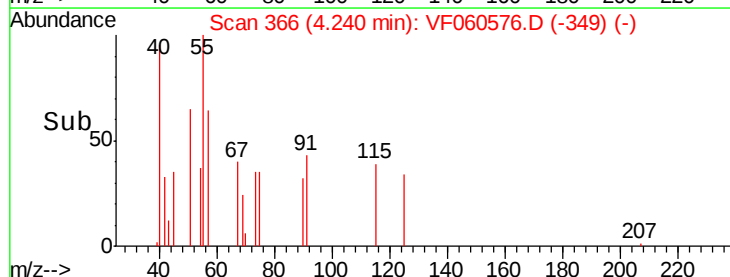
300

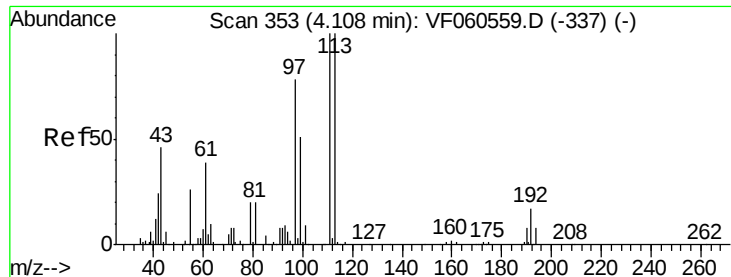
200

100

0

Time-->

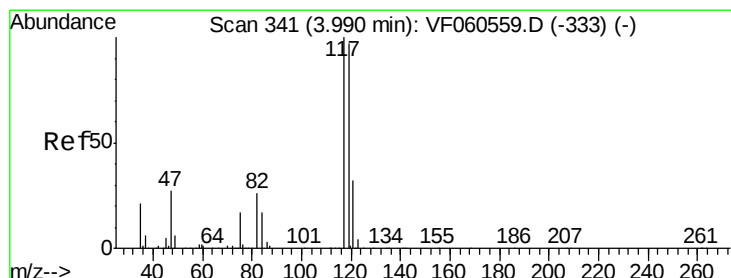
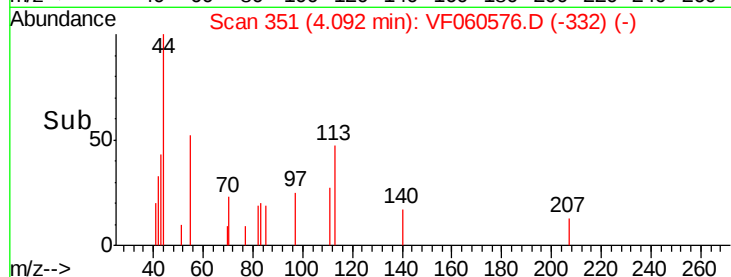
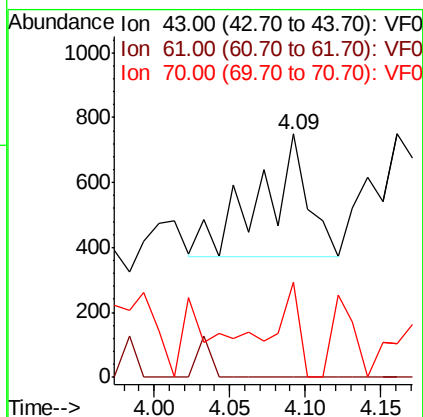
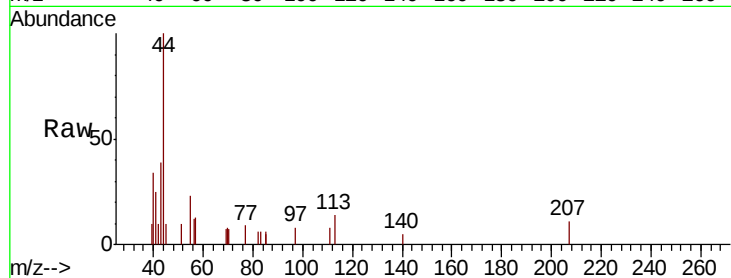




#37
Ethyl Acetate
Concen: 93.021 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

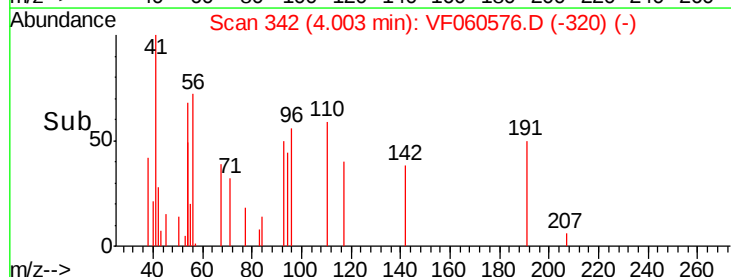
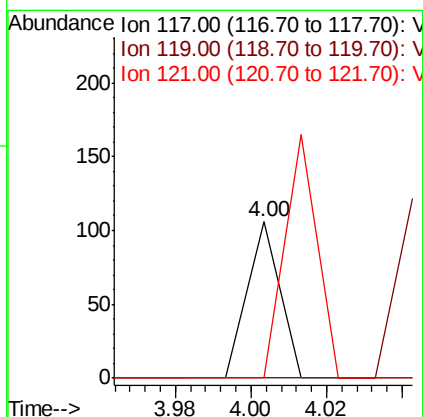
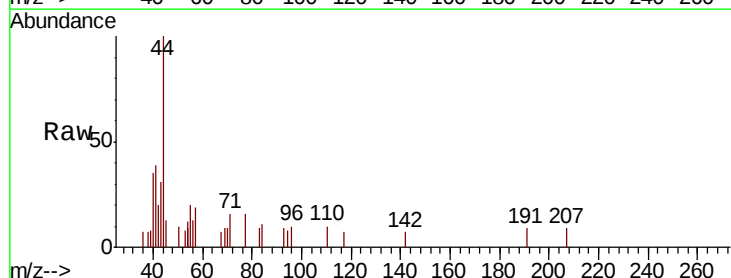
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

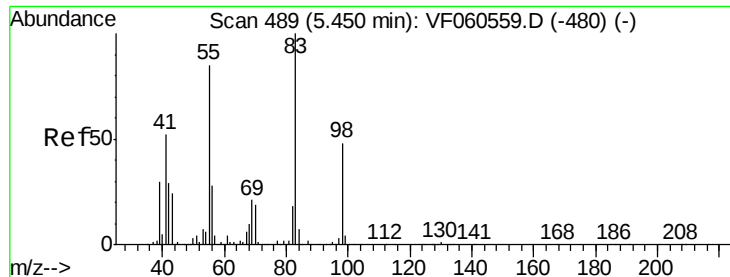
Tot Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
61 0.0 63.4 95.2#
70 38.9 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 3.986 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion:117 Resp: 63
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.6#
121 0.0 25.6 38.4#

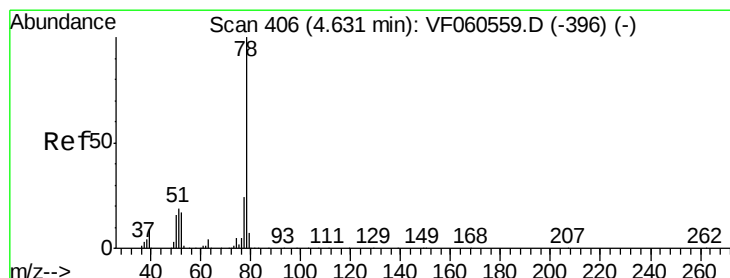
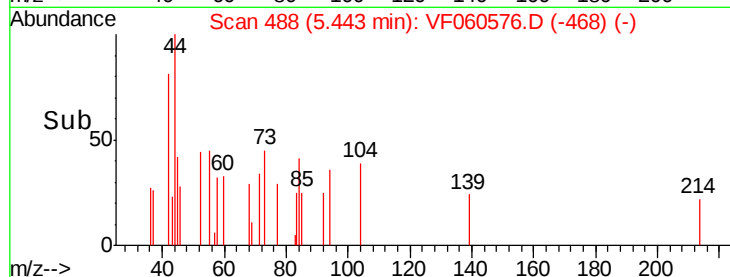
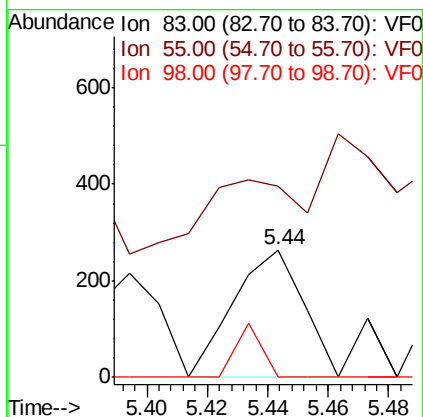
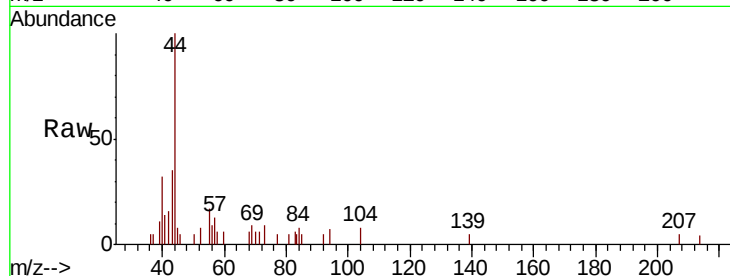




#39
Methvlcvclohexane
Concen: 18.916 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.01 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

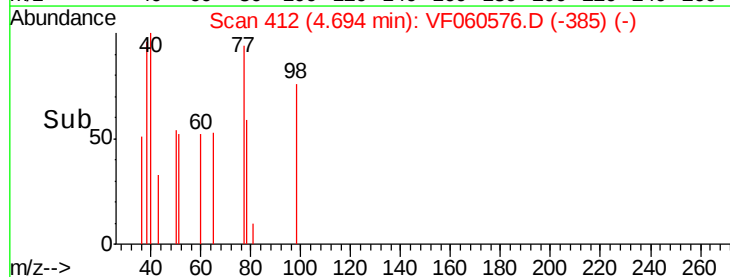
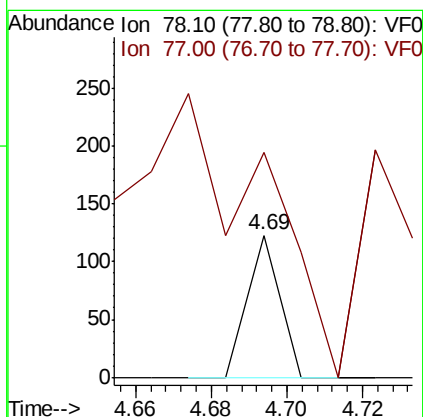
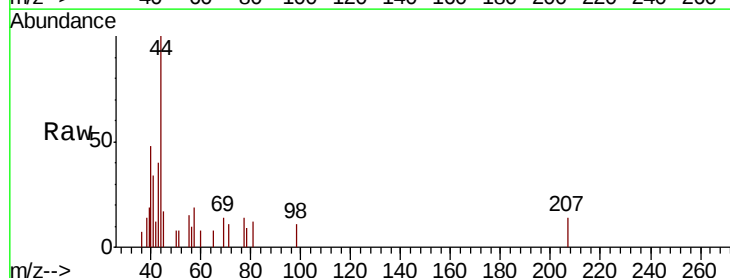
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

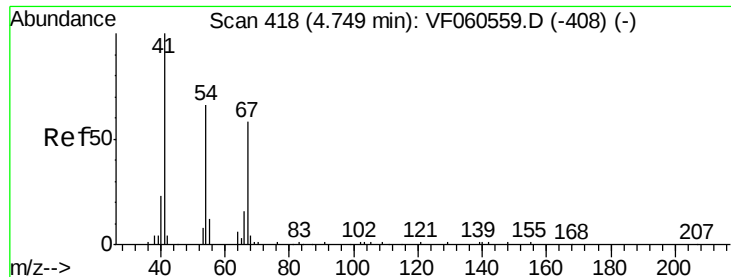
Tot Ion: 83 Resp: 427
Ion Ratio Lower Upper
83 100
55 150.0 69.1 103.7#
98 0.0 38.6 57.8#



#40
Benzene
Concen: 1.626 ug/l
RT: 4.69 min Scan# 412
Delta R.T. 0.06 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 78 Resp: 73
Ion Ratio Lower Upper
78 100
77 157.7 19.3 28.9#

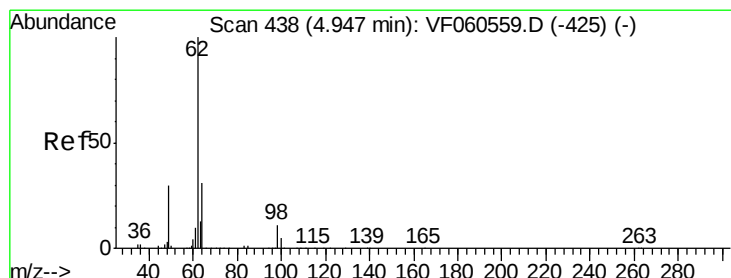
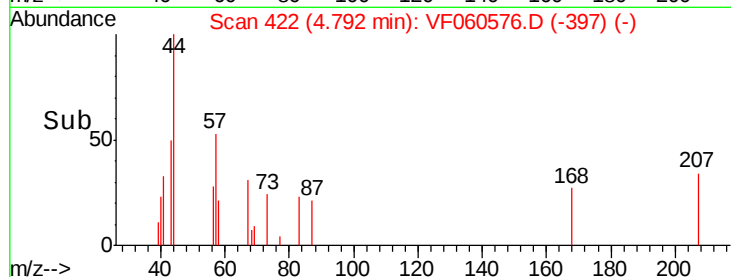
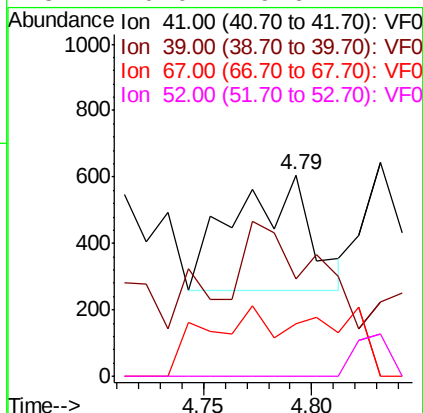
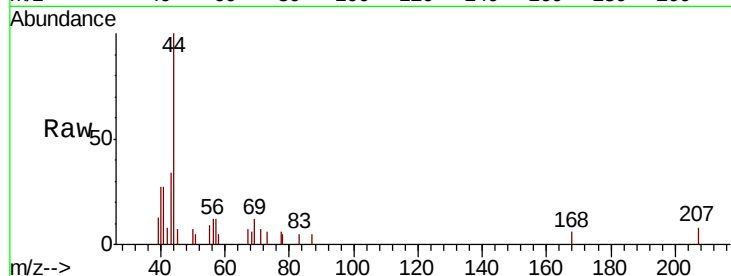




#41
Methacrylonitrile
Concen: 169.429 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.04 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

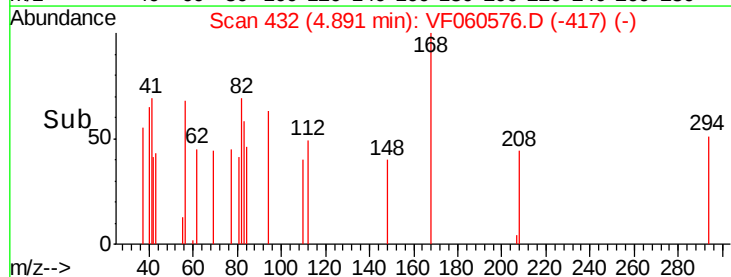
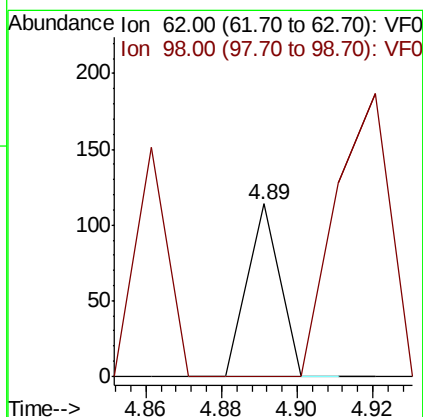
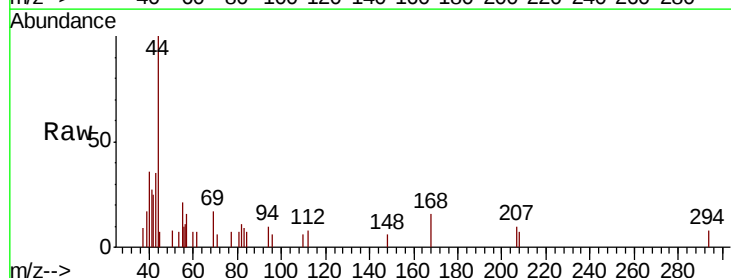
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

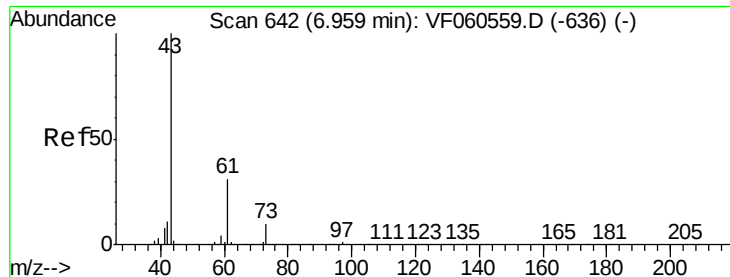
Tot Ion:	41	Resp:	852
Ion	Ratio	Lower	Upper
41	100		
39	48.3	45.6	68.4
67	26.2	45.3	67.9#
52	0.0	29.6	44.4#



#42
1,2-Dichloroethane
Concen: 5.199 ug/l
RT: 4.89 min Scan# 432
Delta R.T. -0.06 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion:	62	Resp:	67
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	22.4



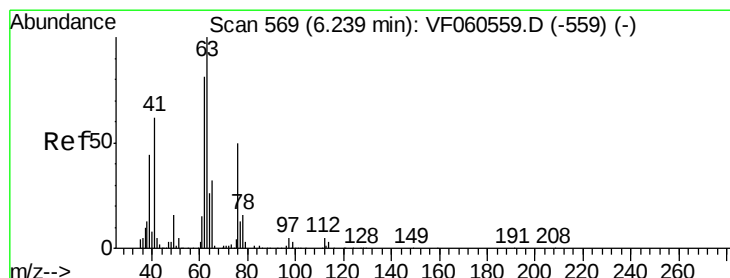
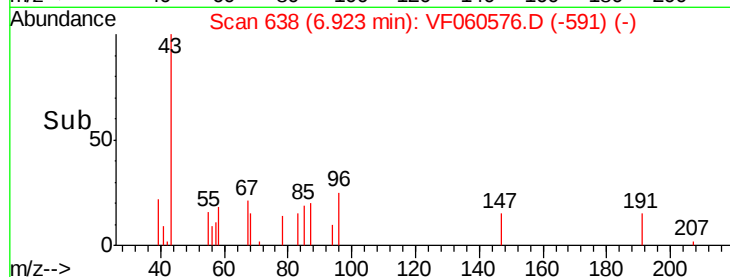
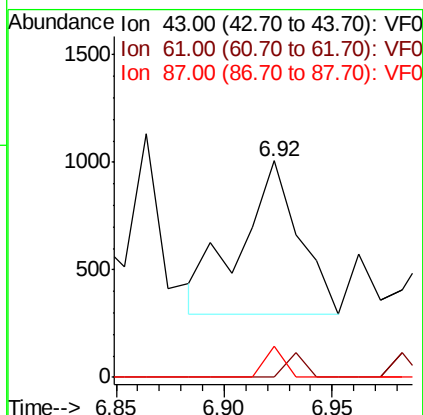
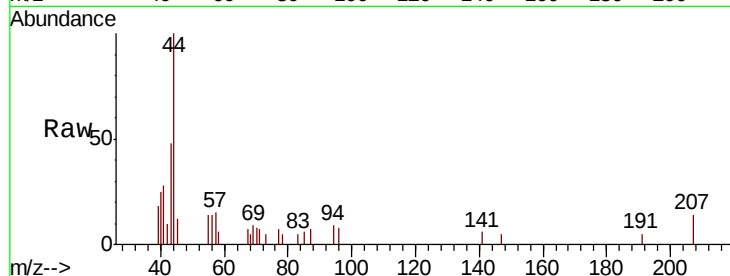


#43

Isopropyl Acetate
 Concen: 119.657 ug/l
 RT: 6.92 min Scan# 638
 Delta R.T. -0.04 min
 Lab File: VF060576.D
 Acq: 5 Nov 2018 16:52

Instrument :
 MSVOA_F
 ClientSampleId :
 DARK-SOIL(NEAR-BERM)RE

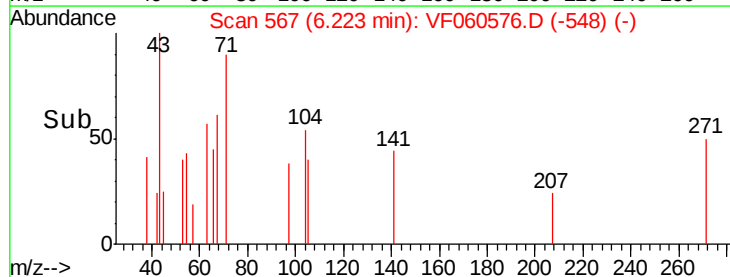
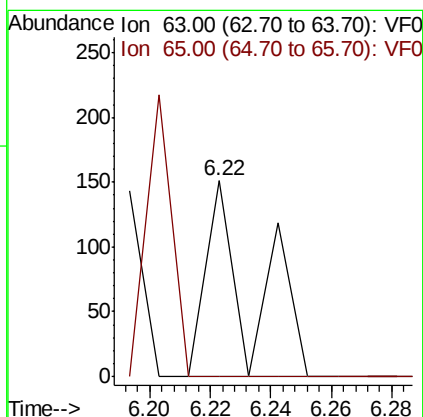
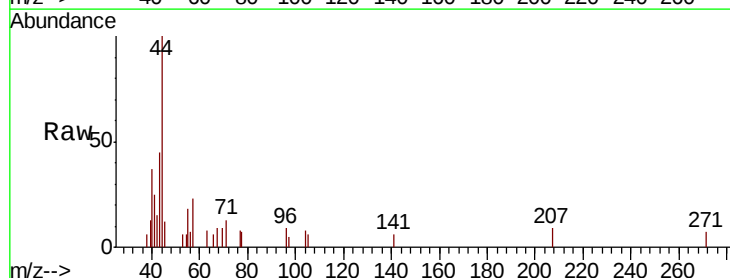
Tot Ion: 43 Resp: 1344
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.2 36.2#
 87 14.1 0.2 0.4#

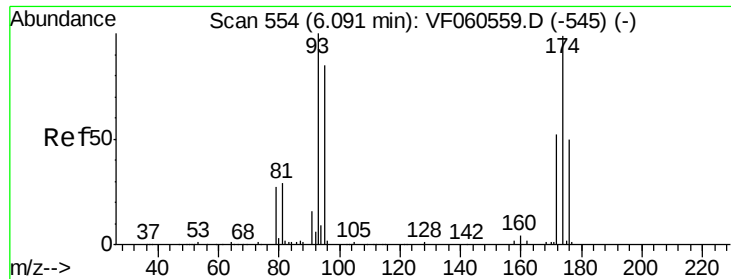


#45

1,2-Dichloropropane
 Concen: 13.933 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: VF060576.D
 Acq: 5 Nov 2018 16:52

Tgt Ion: 63 Resp: 160
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#

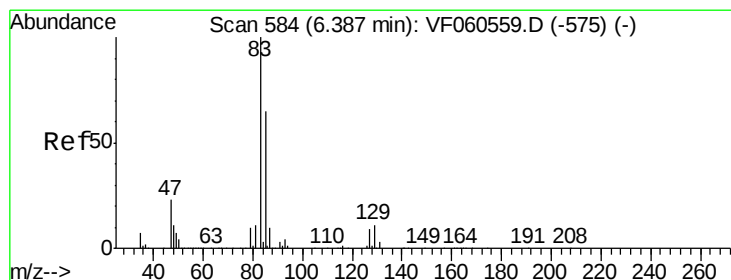
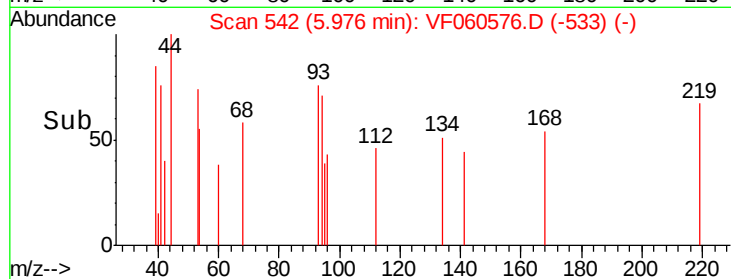
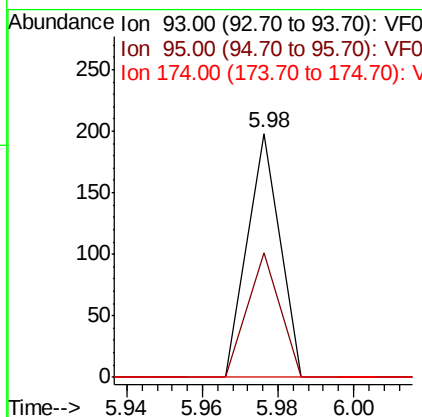
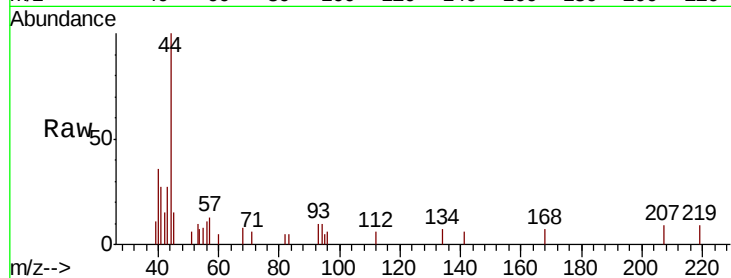




#46
Dibromomethane
Concen: 16.060 ug/l
RT: 5.98 min Scan# 542
Delta R.T. -0.11 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

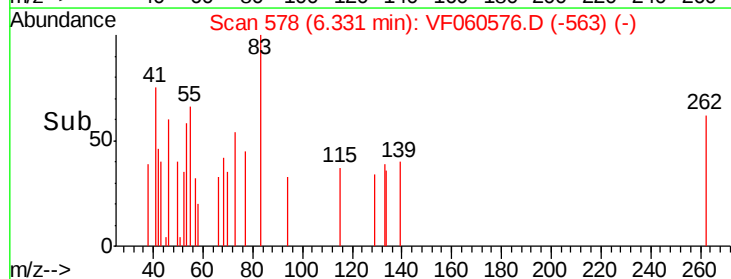
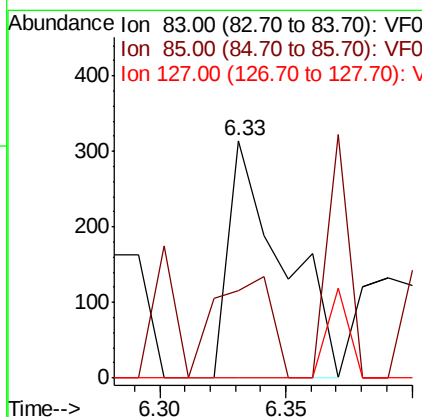
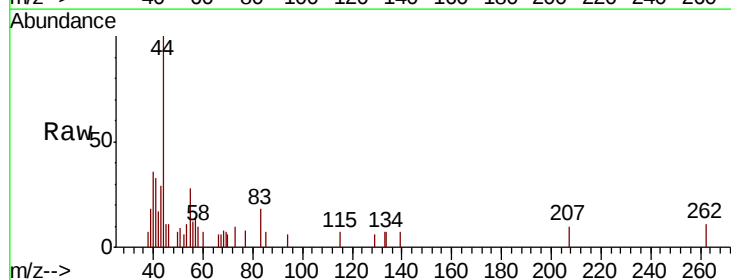
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

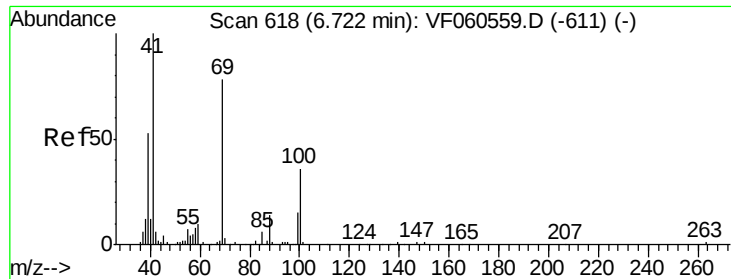
Tot Ion: 93 Resp: 117
Ion Ratio Lower Upper
93 100
95 51.0 68.6 102.8#
174 0.0 79.0 118.4#



#47
Bromodichloromethane
Concen: 26.861 ug/l
RT: 6.33 min Scan# 578
Delta R.T. -0.06 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 83 Resp: 472
Ion Ratio Lower Upper
83 100
85 36.6 51.8 77.6#
127 0.0 7.0 10.4#





#48

Methyl methacrylate

Concen: 144.775 ug/l

RT: 6.67 min Scan# 612

Delta R.T. -0.06 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

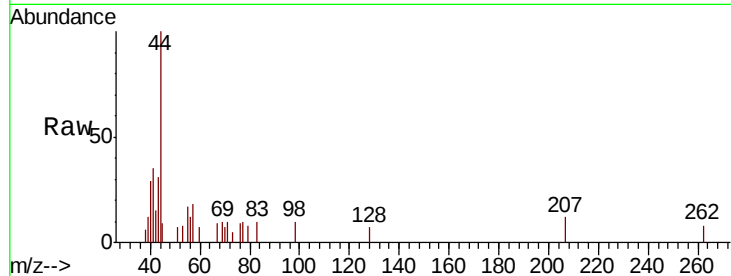
Tot Ion: 41 Resp: 1022

Ion Ratio Lower Upper

41 100

69 27.8 61.1 91.7#

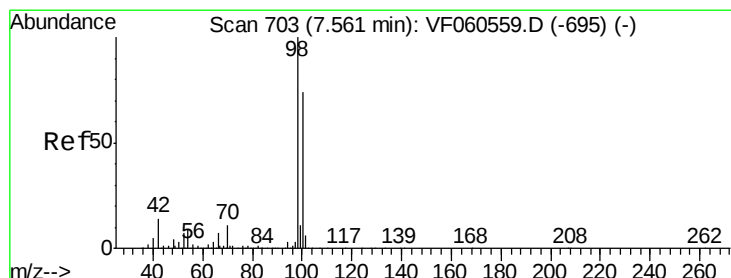
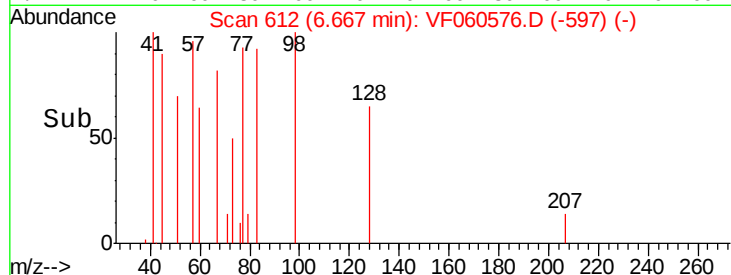
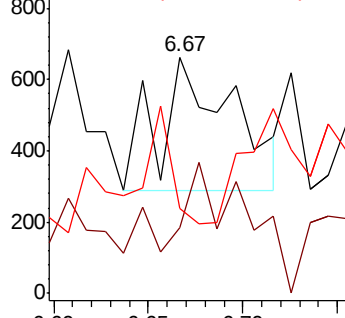
39 35.7 43.0 64.6#



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



#50

Toluene-d8

Concen: 31.054 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060576.D

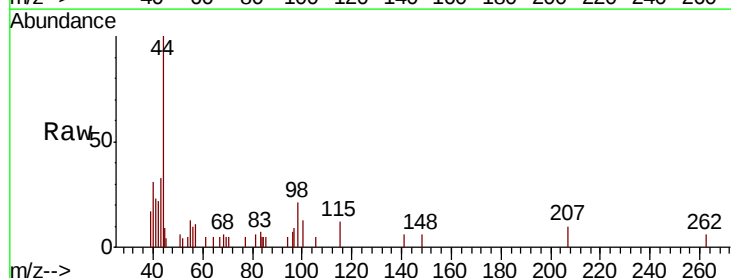
Acq: 5 Nov 2018 16:52

Tgt Ion: 98 Resp: 1194

Ion Ratio Lower Upper

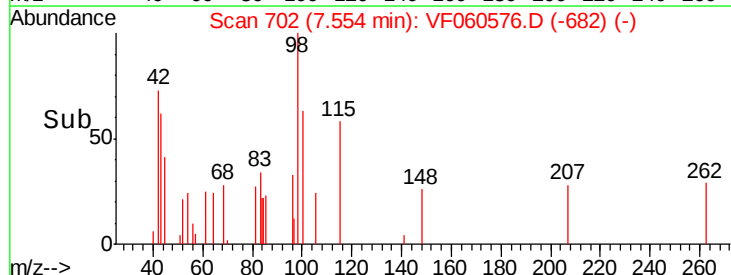
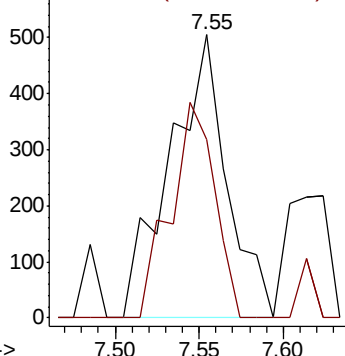
98 100

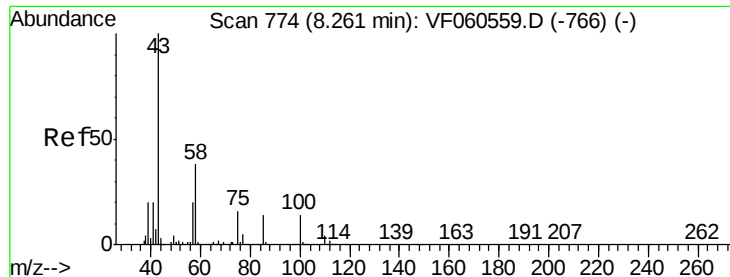
100 63.0 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 91.617 ug/l

RT: 8.23 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

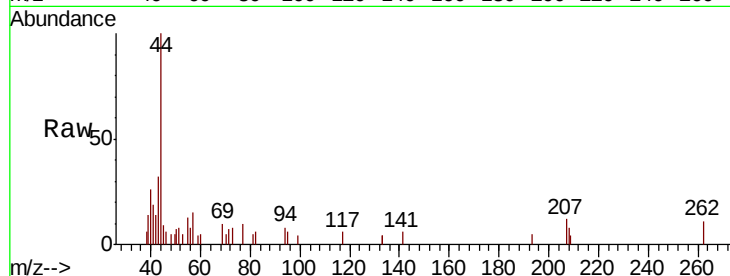
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 43 Resp: 692

Ion Ratio Lower Upper

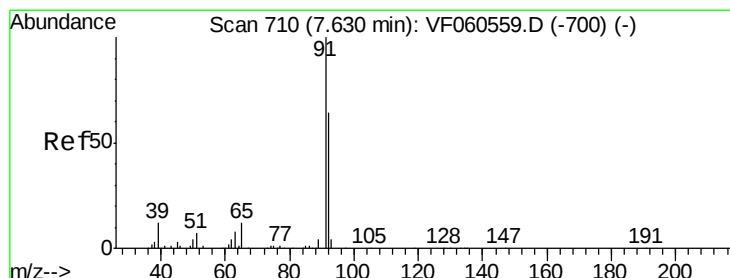
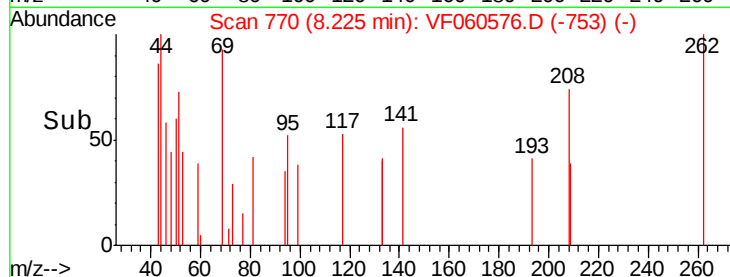
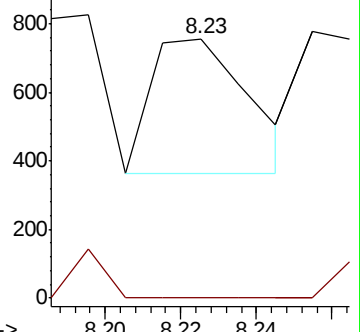
43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 2.393 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF060576.D

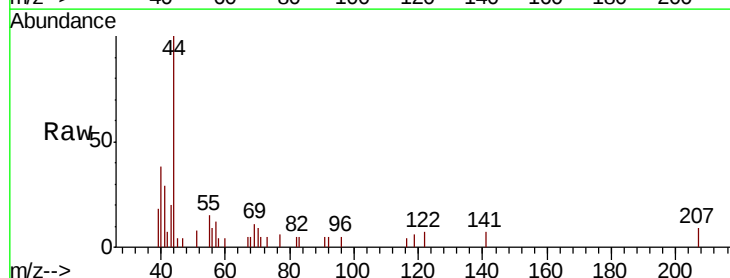
Acq: 5 Nov 2018 16:52

Tgt Ion: 92 Resp: 70

Ion Ratio Lower Upper

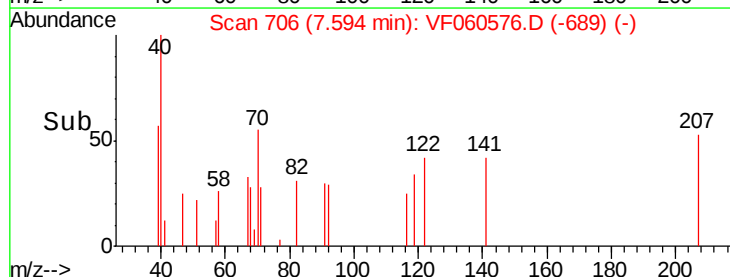
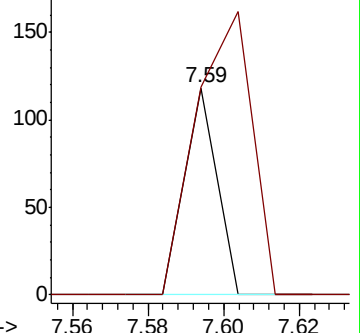
92 100

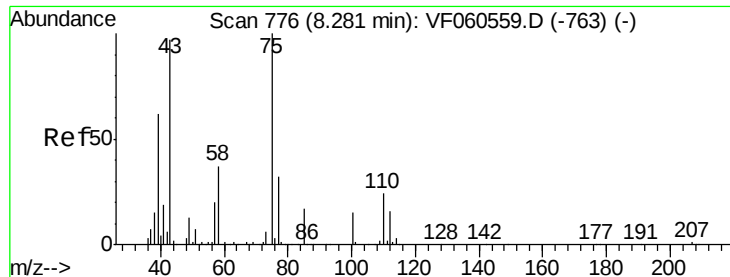
91 100.8 124.5 186.7#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 4.256 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.04 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

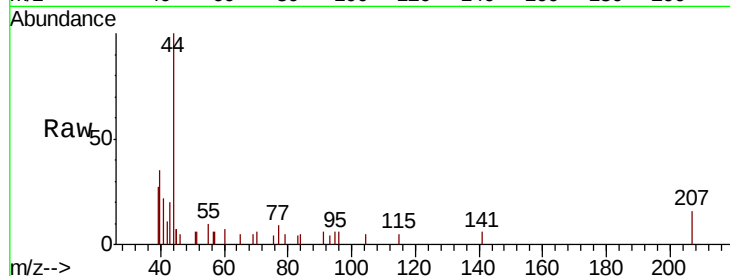
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

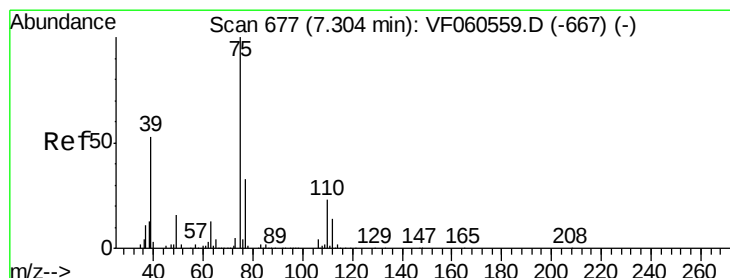
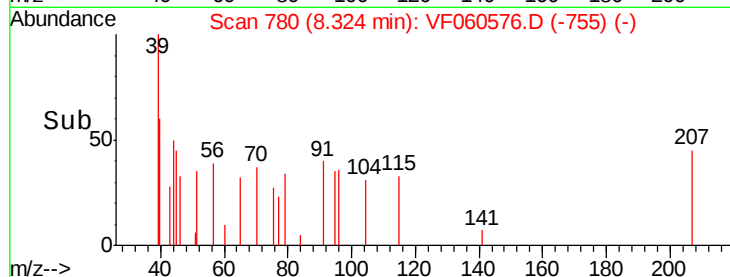
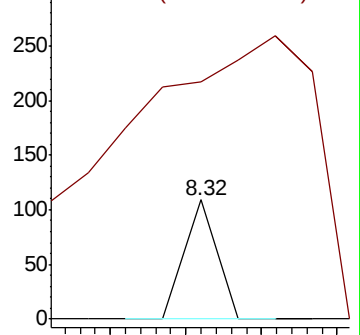
75 100

77 199.1 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 10.416 ug/l

RT: 7.36 min Scan# 682

Delta R.T. 0.05 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

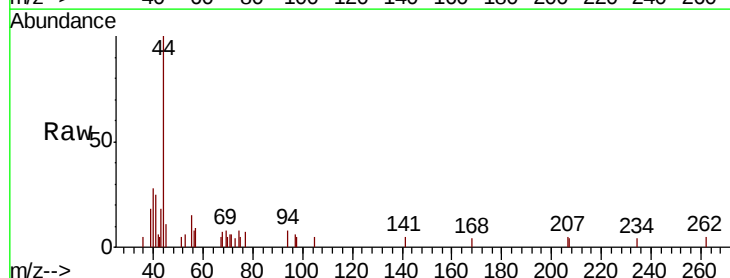
Tgt Ion: 75 Resp: 201

Ion Ratio Lower Upper

75 100

77 153.7 26.7 40.1#

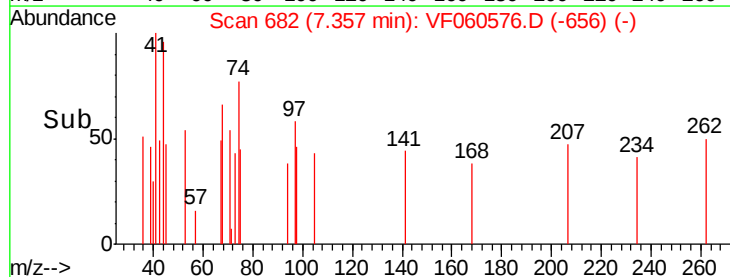
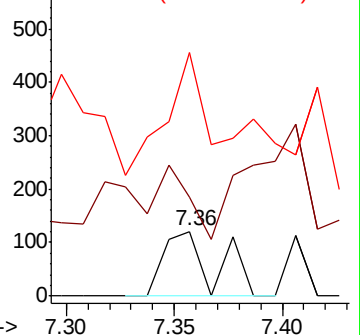
39 376.9 43.0 64.4#

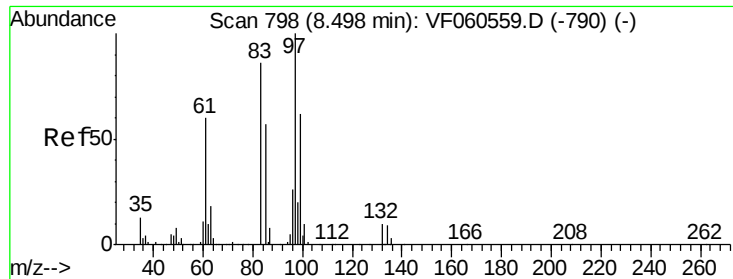


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 17.623 ug/l

RT: 8.45 min Scan# 793

Delta R.T. -0.05 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

Tot Ion: 97 Resp: 150

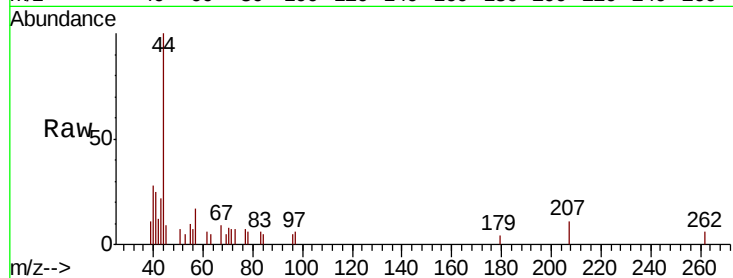
Ion Ratio Lower Upper

97 100

83 110.7 69.4 104.0#

85 0.0 46.6 69.8#

99 0.0 50.0 75.0#

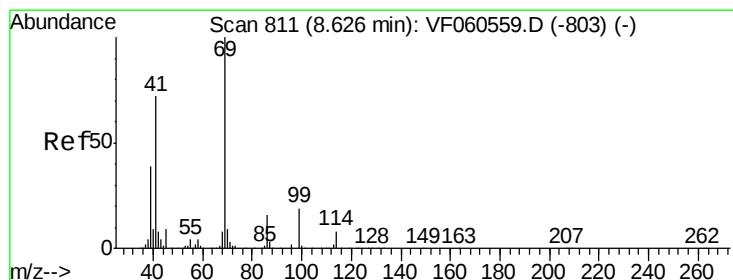
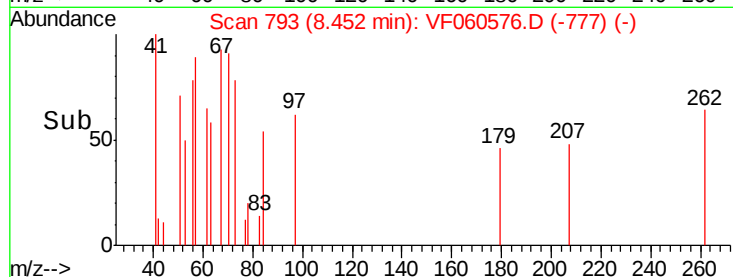
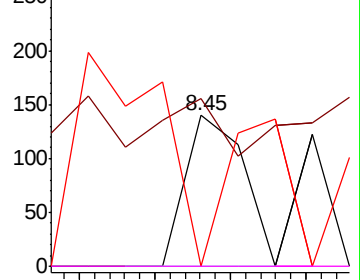


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 11.689 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

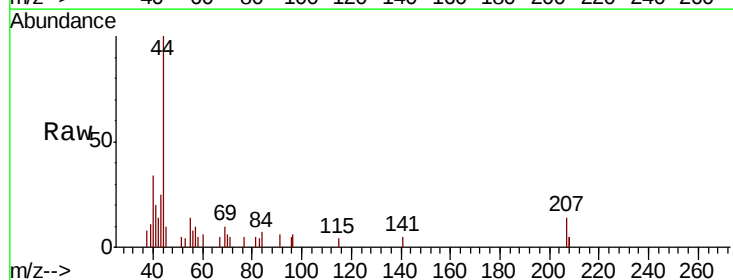
Tgt Ion: 69 Resp: 128

Ion Ratio Lower Upper

69 100

41 194.7 59.2 88.8#

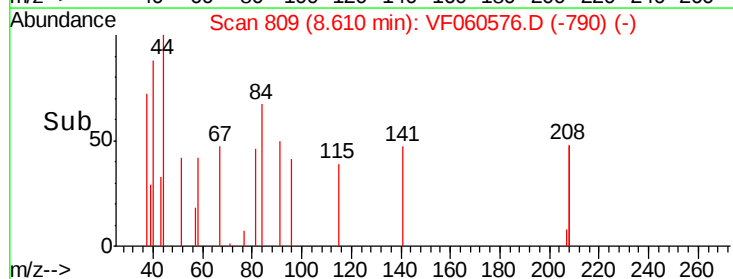
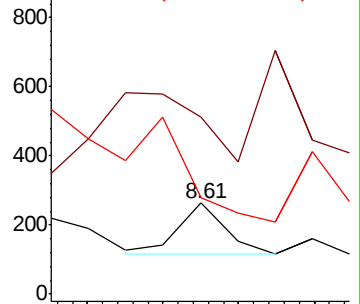
39 106.5 32.3 48.5#

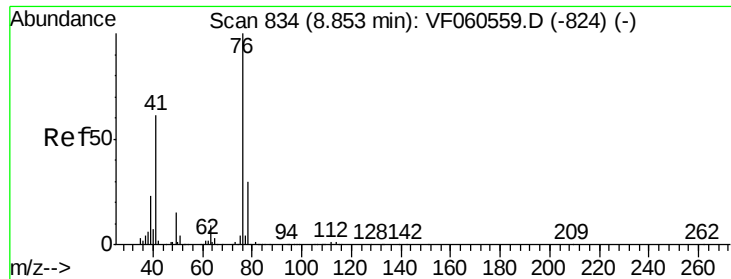


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.085 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

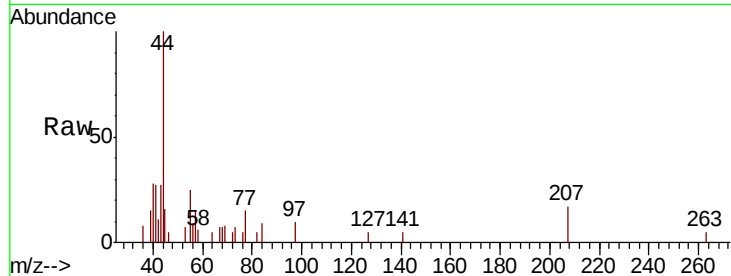
DARK-SOIL(NEAR-BERM)RE

Tot Ion: 76 Resp: 61

Ion Ratio Lower Upper

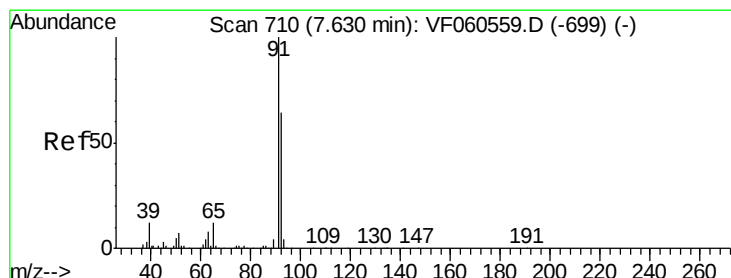
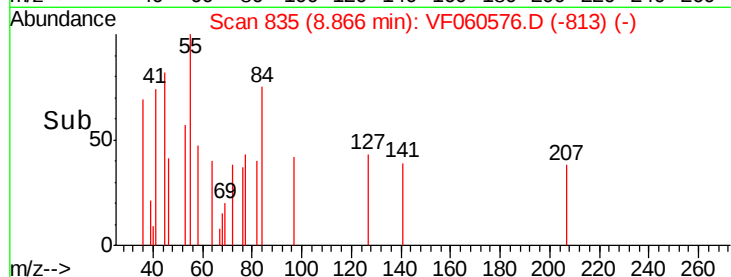
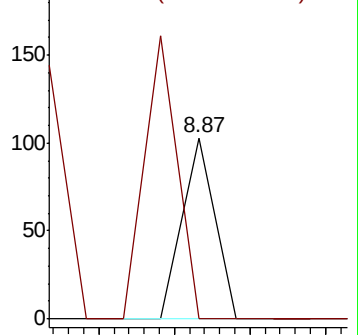
76 100

78 0.0 24.2 36.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 100.287 ug/l

RT: 7.73 min Scan# 720

Delta R.T. 0.10 min

Lab File: VF060576.D

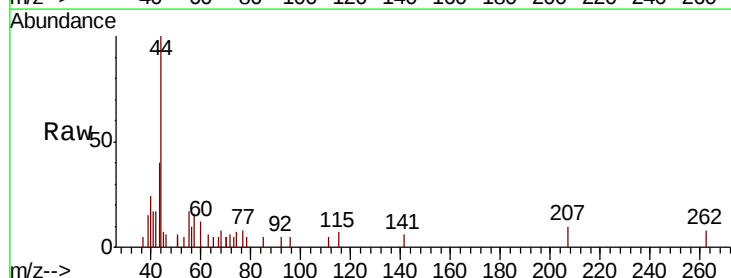
Acq: 5 Nov 2018 16:52

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

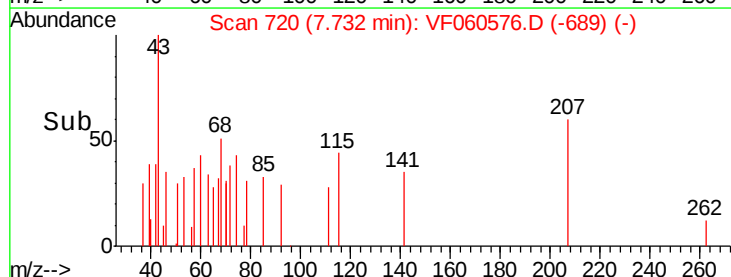
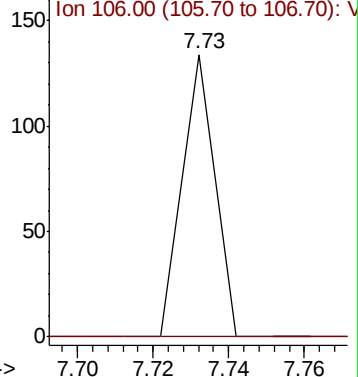
63 100

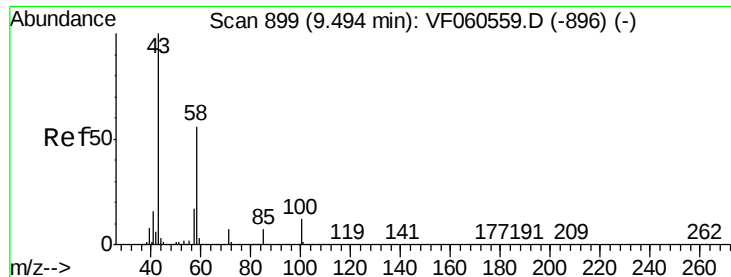
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

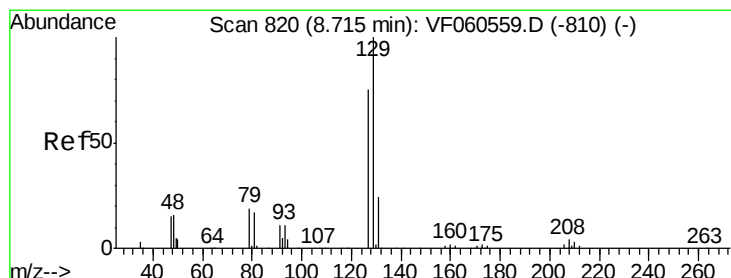
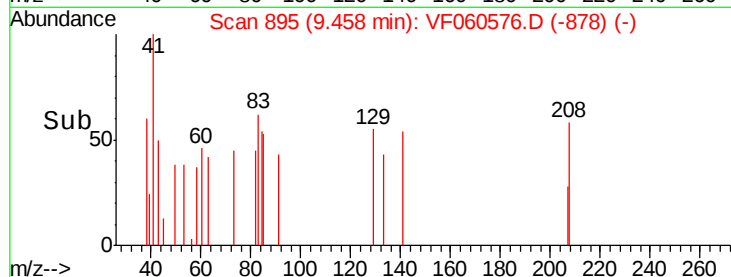
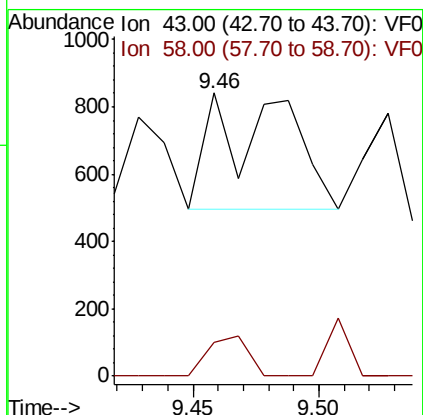
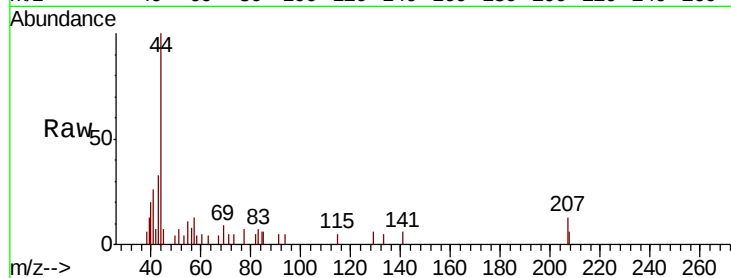




#59
2-Hexanone
Concen: 130.080 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.04 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

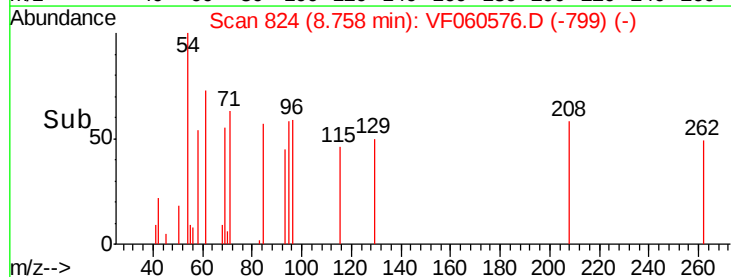
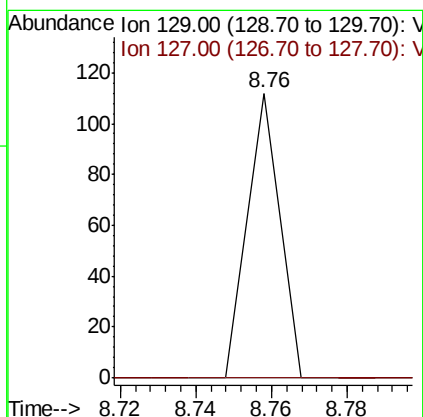
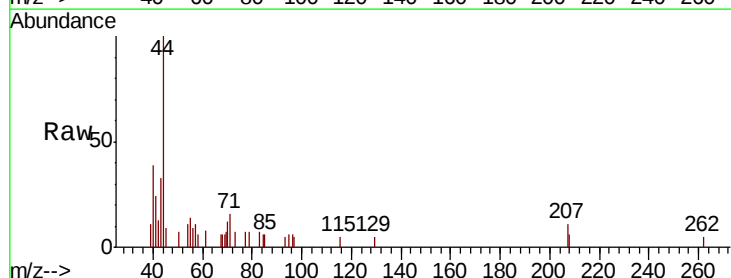
Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

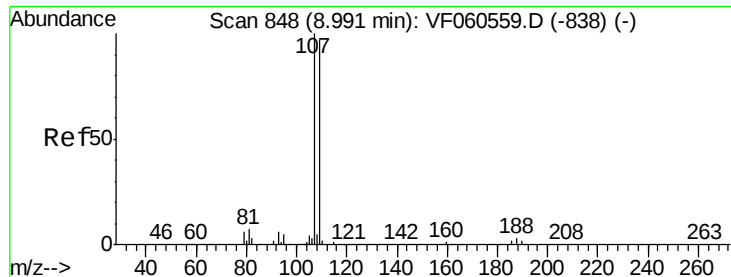
Tot Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 12.0 26.1 78.3#



#60
Dibromochloromethane
Concen: 5.545 ug/l
RT: 8.76 min Scan# 824
Delta R.T. 0.04 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion:129 Resp: 66
Ion Ratio Lower Upper
129 100
127 0.0 37.8 113.3#





#61

1,2-Dibromoethane

Concen: 7.262 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.15 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

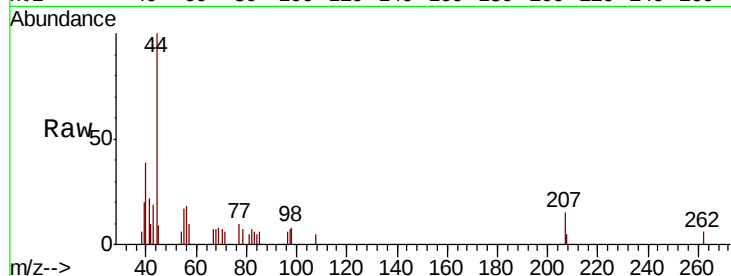
DARK-SOIL(NEAR-BERM)RE

Tot Ion:107 Resp: 65

Ion Ratio Lower Upper

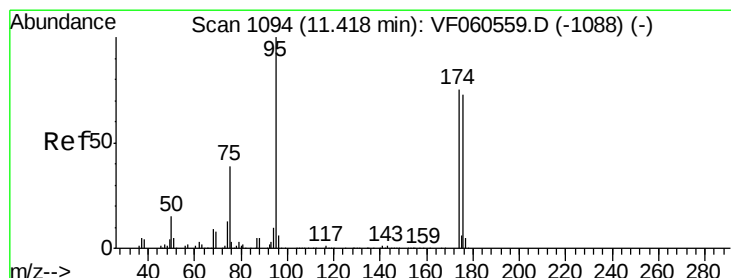
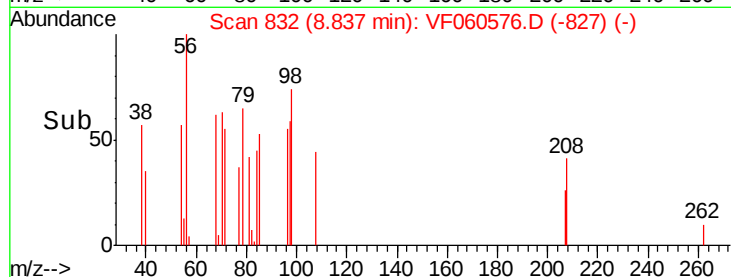
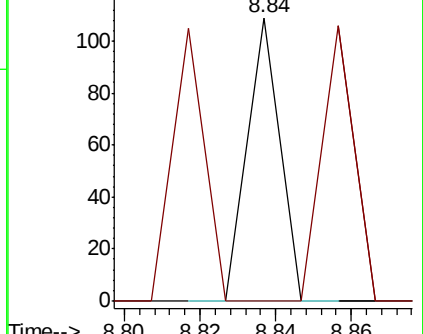
107 100

109 0.0 77.5 116.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 8.562 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.05 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

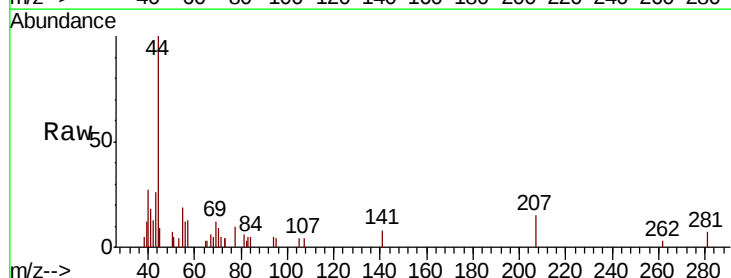
Tgt Ion: 95 Resp: 144

Ion Ratio Lower Upper

95 100

174 0.0 0.0 149.0

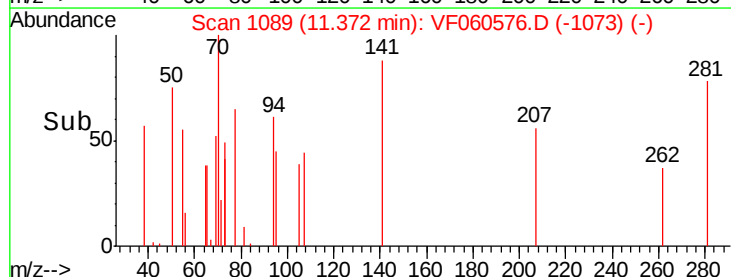
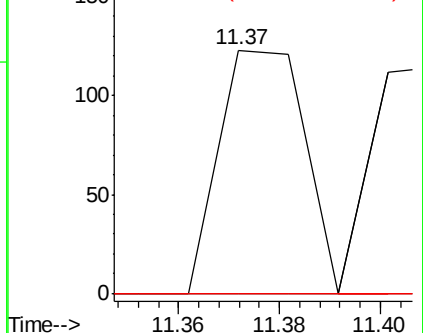
176 0.0 0.0 145.6

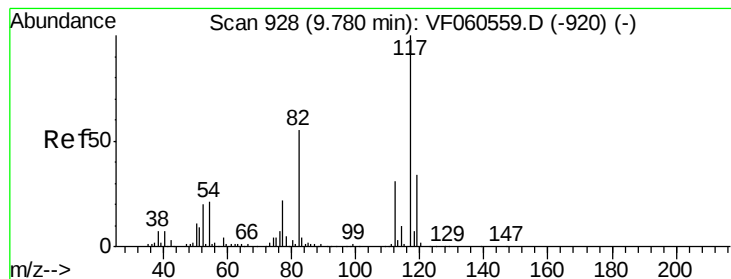


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.78 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF060576.D

Acq: 5 Nov 2018 16:52

Instrument :

MSVOA_F

ClientSampleId :

DARK-SOIL(NEAR-BERM)RE

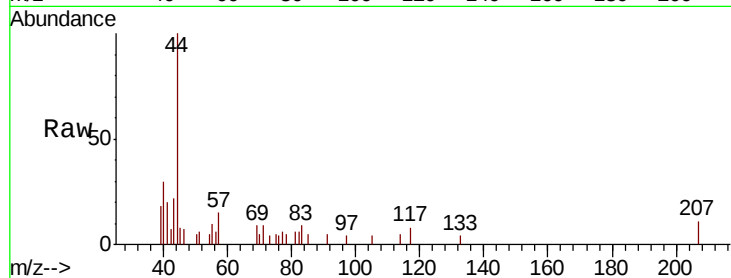
Tot Ion:117 Resp: 521

Ion Ratio Lower Upper

117 100

82 73.9 43.9 65.9#

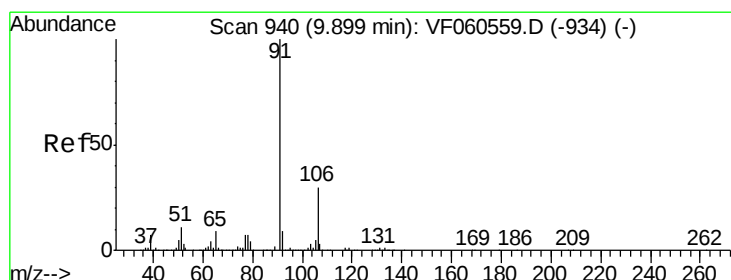
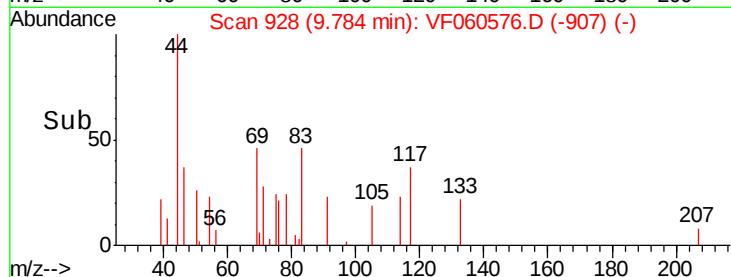
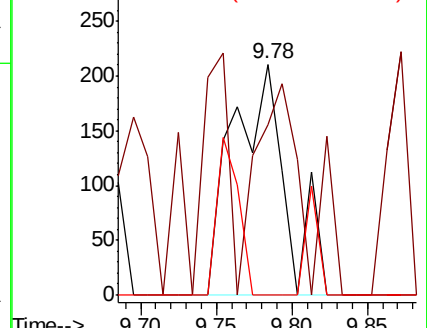
119 0.0 27.4 41.0#



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



#67

Ethyl Benzene

Concen: 9.517 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060576.D

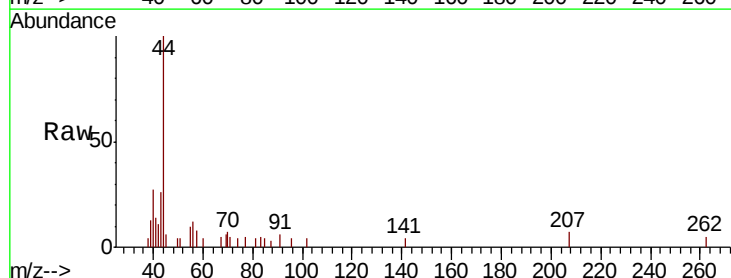
Acq: 5 Nov 2018 16:52

Tgt Ion: 91 Resp: 184

Ion Ratio Lower Upper

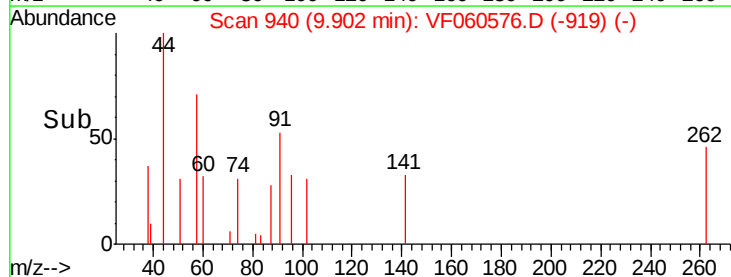
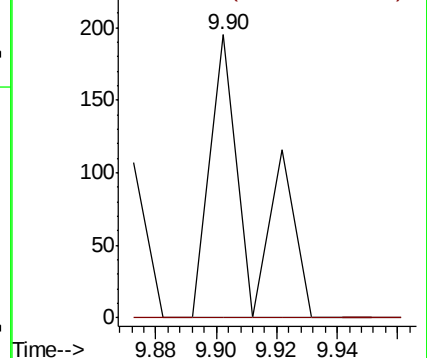
91 100

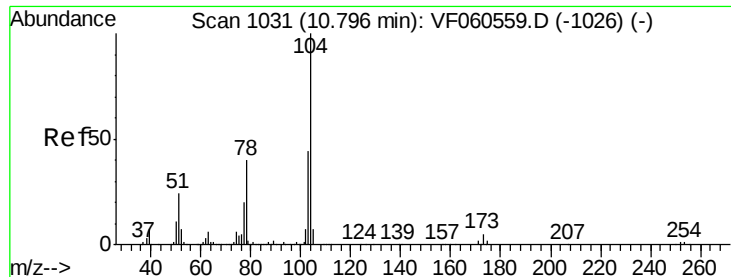
106 0.0 24.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

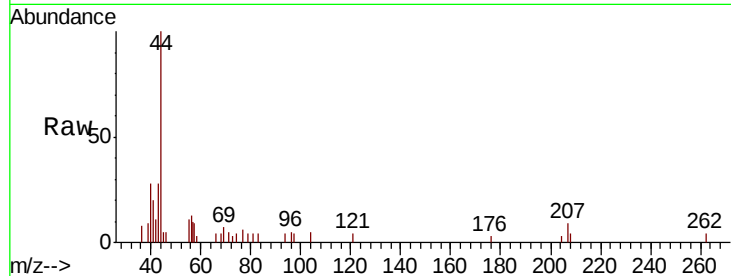




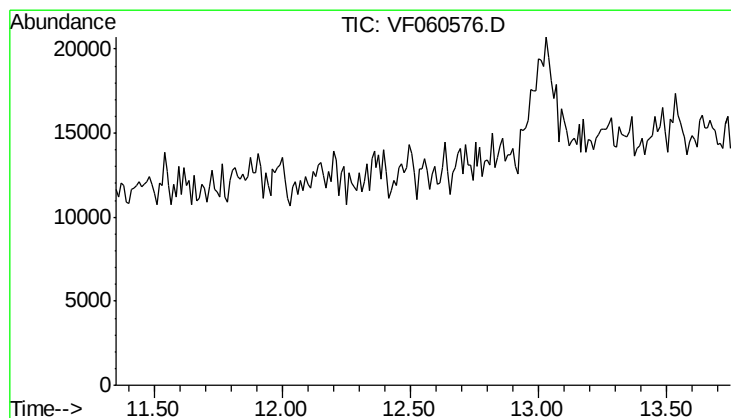
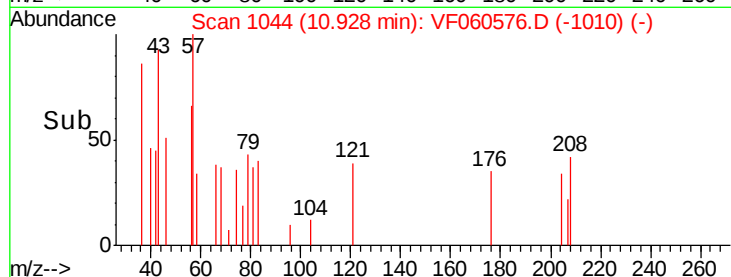
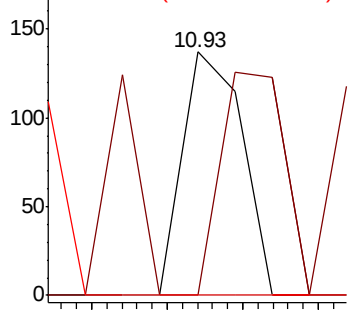
#70
Stvrene
Concen: 12.933 ug/l
RT: 10.93 min Scan# 1044
Delta R.T. 0.13 min
Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Instrument :
MSVOA_F
ClientSampleId :
DARK-SOIL(NEAR-BERM)RE

Tot Ion:104 Resp: 149
Ion Ratio Lower Upper
104 100
78 0.0 32.6 49.0#
103 0.0 35.2 52.8#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.55 min

Lab File: VF060576.D
Acq: 5 Nov 2018 16:52

Tgt Ion: 152
Sig Exp Ratio
152 100
115 59.2
150 157.8

