

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070318\
 Data File : VF059413.D
 Acq On : 3 Jul 2018 15:45
 Operator : VA/AP
 Sample : J3796-01RE
 Misc : 5.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 JC-SOILRE

Quant Time: Jul 04 00:11:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	65183	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	66923	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	21686	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	7512	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	39541	46.95	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	4.26	113	39180	80.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	160.26%	
50) Toluene-d8	7.67	98	29711	24.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	49.08%	
62) 4-Bromofluorobenzene	11.49	95	13021	19.07	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	38.14%	

Target Compounds					Qvalue	
3) Chloromethane	1.10	50	1489	3.722	ug/l #	41
5) Bromomethane	1.33	94	247	Below Cal	#	4
11) Tert butyl alcohol	2.65	59	375	6.689	ug/l #	66
13) Acrolein	2.08	56	549	1.303	ug/l	92
14) Allyl chloride	2.20	41	1335	1.851	ug/l #	47
15) Acrylonitrile	3.08	53	500	5.064	ug/l #	11
16) Acetone	2.32	43	15948	68.417	ug/l	93
17) Carbon Disulfide	1.82	76	1818	2.011	ug/l #	84
18) Methyl Acetate	2.44	43	3830	9.125	ug/l #	91
20) Methylene Chloride	2.27	84	3207	Below Cal	#	96
28) Bromochloromethane	3.83	49	85	Below Cal	#	6
29) Tetrahydrofuran	4.17	42	1138	1.708	ug/l #	41
30) Chloroform	4.00	83	1508	1.052	ug/l #	61
37) Ethyl Acetate	4.28	43	292	Below Cal	#	26
40) Benzene	4.76	78	34527	26.636	ug/l	93
49) 1,4-Dioxane	6.60	88	88	8.342	ug/l #	24
51) 4-Methyl-2-Pentanone	8.39	43	2427	6.727	ug/l #	39
52) Toluene	7.74	92	5739	5.917	ug/l #	72
55) 1,1,2-Trichloroethane	8.50	97	1868	4.960	ug/l #	50
56) Ethyl methacrylate	8.74	69	8895	19.067	ug/l #	78
58) 2-Chloroethyl Vinyl ether	7.74	63	1206	34.468	ug/l	100
59) 2-Hexanone	9.60	43	1366	Below Cal		66
64) Tetrachloroethene	8.26	164	342	2.432	ug/l #	24
67) Ethyl Benzene	10.02	91	2310	3.389	ug/l #	88
68) m/p-Xylenes	10.22	106	1424	5.869	ug/l	81
69) o-Xylene	10.80	106	680	2.506	ug/l	89
70) Styrene	10.87	104	714	1.727	ug/l #	75
74) N-amyl acetate	11.44	43	1280	8.060	ug/l #	80
76) 1,2,3-Trichloropropane	11.88	75	258	3.095	ug/l #	3
78) n-propylbenzene	11.66	91	620	1.180	ug/l	92
80) 1,3,5-Trimethylbenzene	11.88	105	540	1.409	ug/l	68
81) trans-1,4-Dichloro-2-buten	11.94	75	134	2.700	ug/l #	44
84) 1,2,4-Trimethylbenzene	12.27	105	1536	3.804	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	152	Below Cal	#	23

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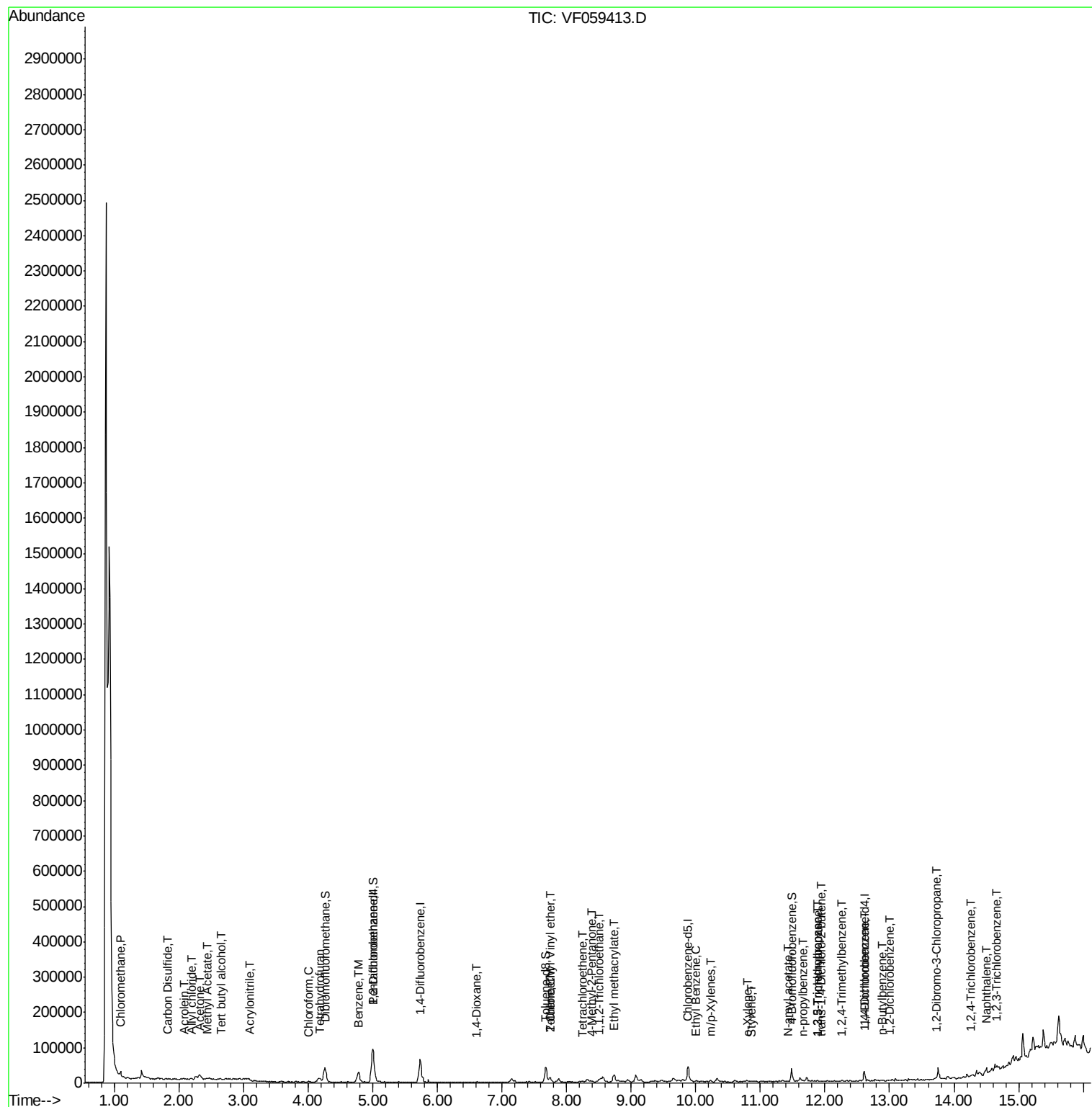
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.63	146	441	2.034	ug/l #	64
89) n-Butylbenzene	12.90	91	456	1.053	ug/l #	29
91) 1,2-Dichlorobenzene	12.99	146	297	1.347	ug/l #	48
92) 1,2-Dibromo-3-Chloropropan	13.72	75	69	2.816	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.25	180	438	2.687	ug/l	72
95) Naphthalene	14.50	128	3995	11.715	ug/l	96
96) 1,2,3-Trichlorobenzene	14.67	180	1404	9.093	ug/l #	33

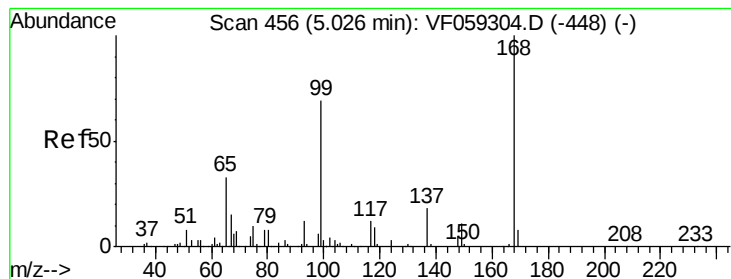
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

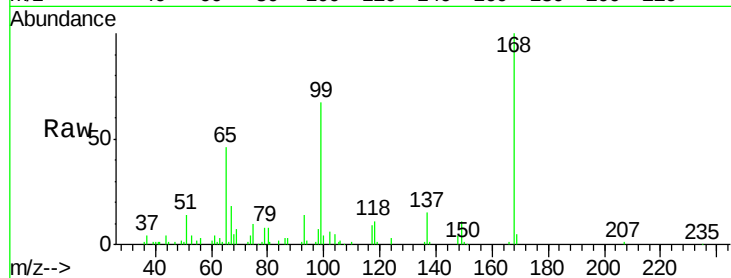
JC-SOILRE

Tgt Ion:168 Resp: 65183

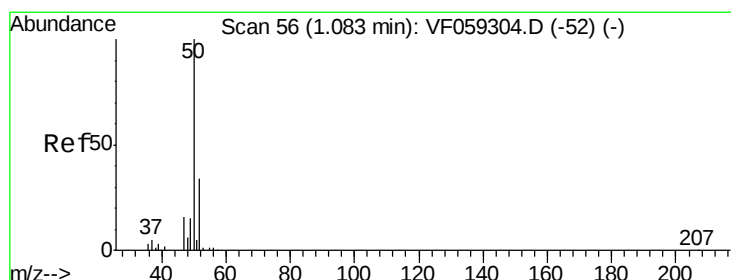
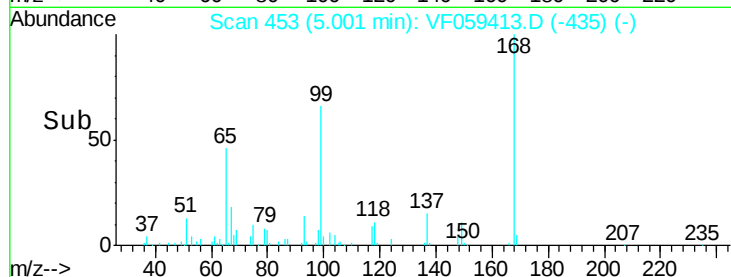
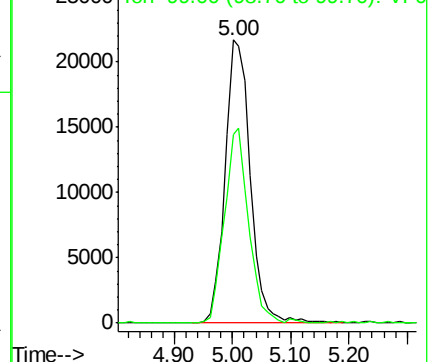
Ion Ratio Lower Upper

168 100

99 66.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.722 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059413.D

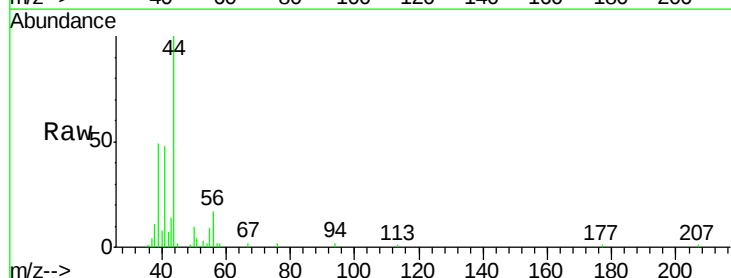
Acq: 3 Jul 2018 15:45

Tgt Ion: 50 Resp: 1489

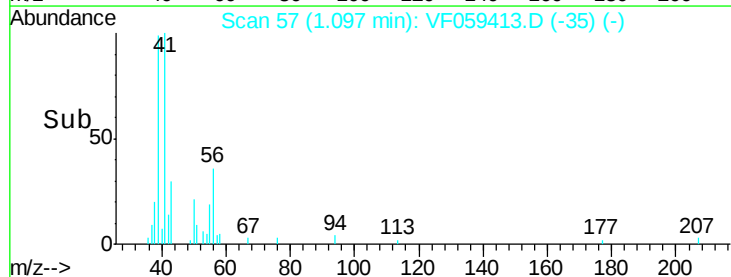
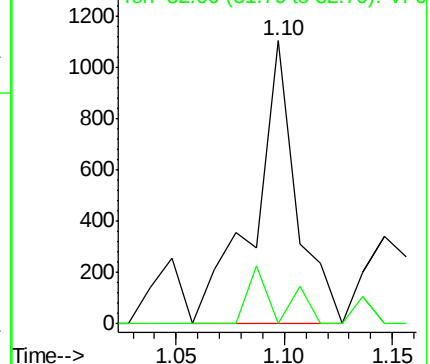
Ion Ratio Lower Upper

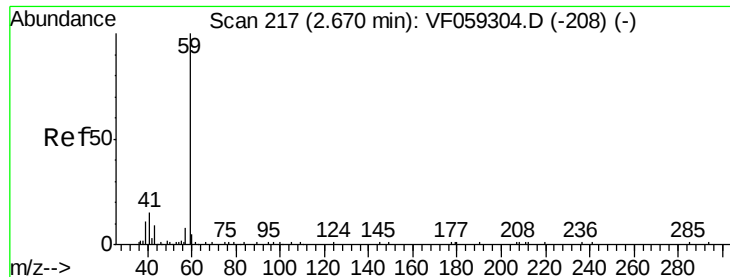
50 100

52 0.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

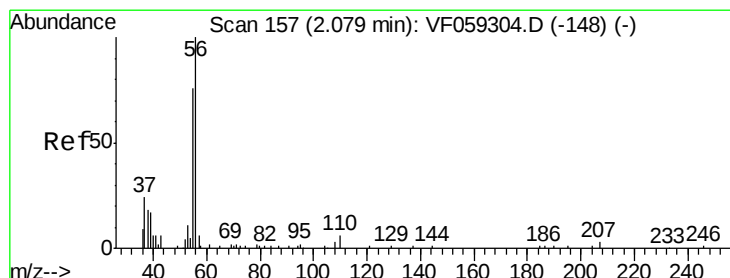
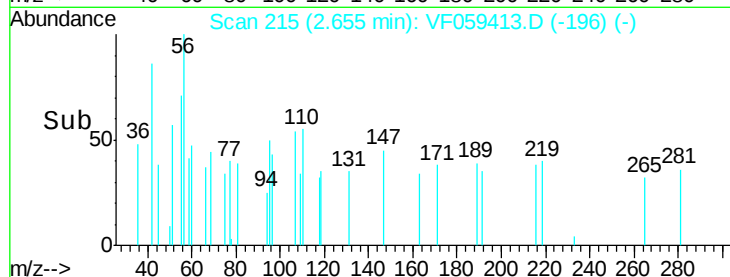
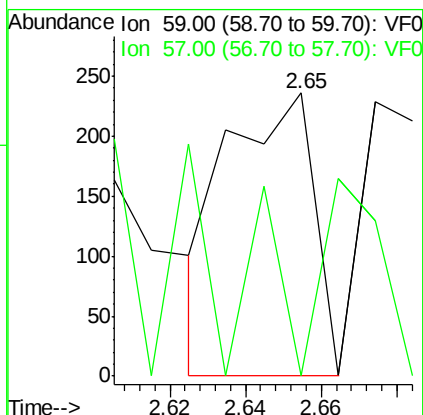
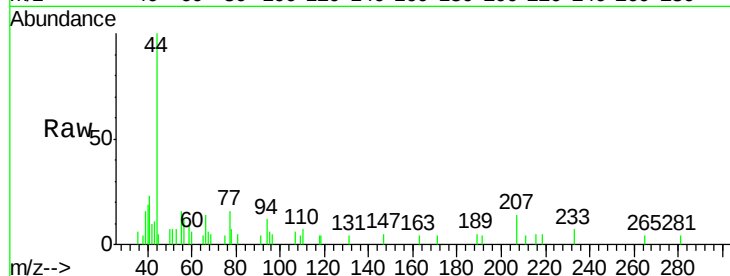




#11
Tert butyl alcohol
Concen: 6.689 ug/l
RT: 2.65 min Scan# 215
Delta R.T. -0.02 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

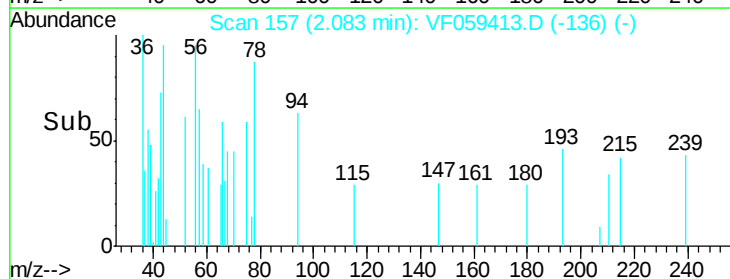
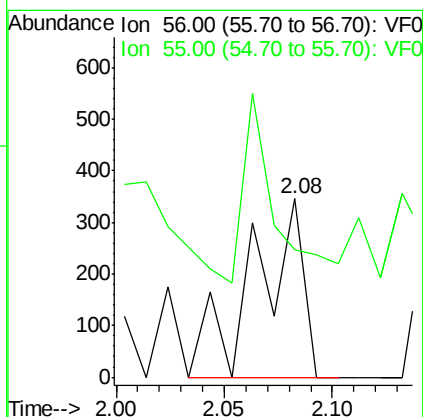
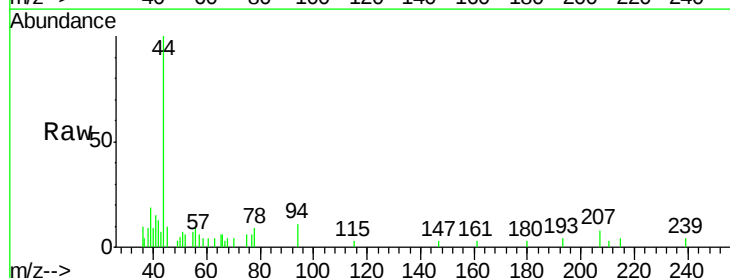
Instrument :
MSVOA_F
ClientSampleId :
JC-SOILRE

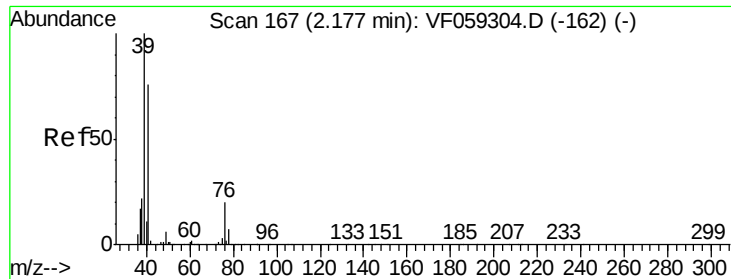
Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#



#13
Acrolein
Concen: 1.303 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

Tgt Ion: 56 Resp: 549
Ion Ratio Lower Upper
56 100
55 71.4 62.4 93.6

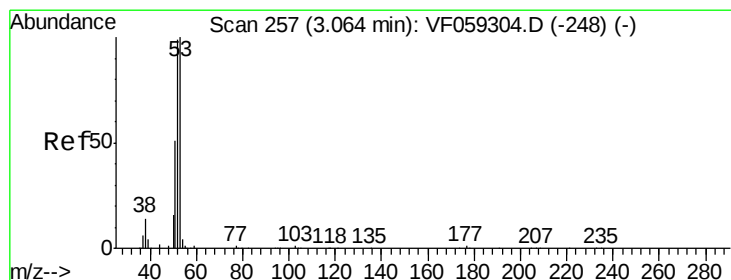
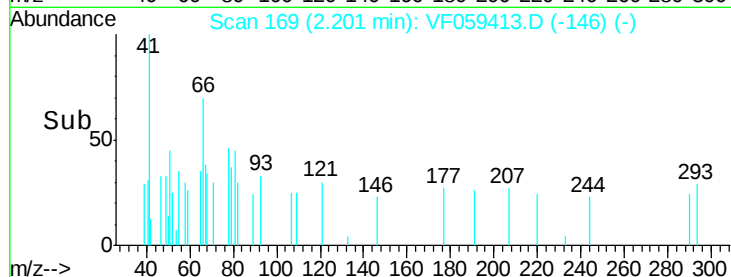
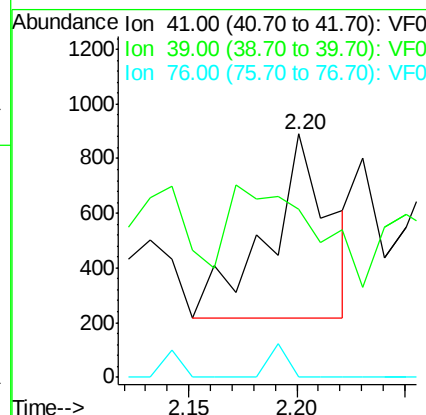
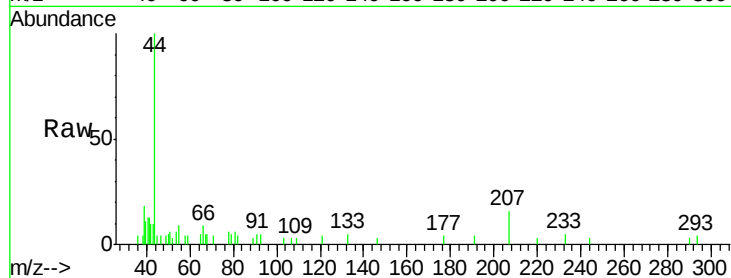




#14
 Allyl chloride
 Concen: 1.851 ug/l
 RT: 2.20 min Scan# 169
 Delta R.T. 0.02 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

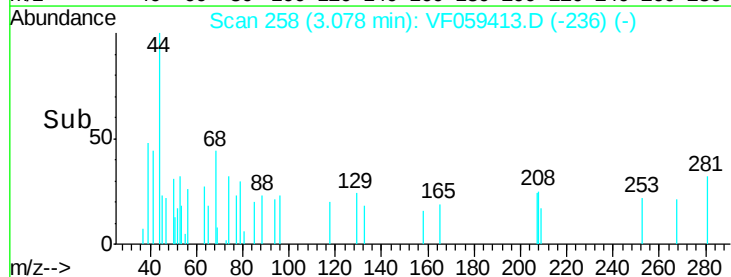
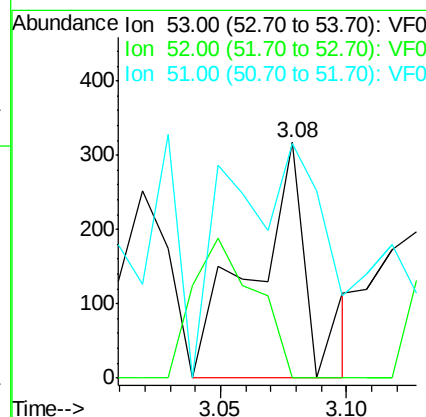
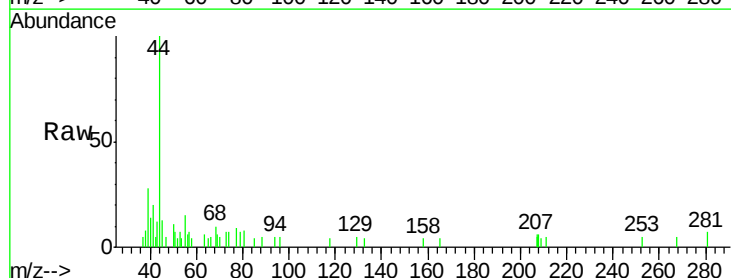
Instrument :
 MSVOA_F
 ClientSampled :
 JC-SOILRE

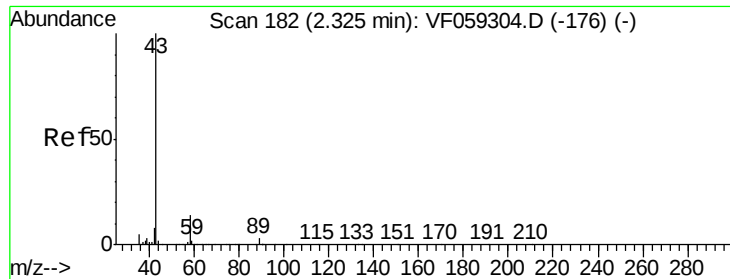
Tgt Ion: 41 Resp: 1335
 Ion Ratio Lower Upper
 41 100
 39 69.0 105.6 158.4#
 76 0.0 21.6 32.4#



#15
 Acrylonitrile
 Concen: 5.064 ug/l
 RT: 3.08 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

Tgt Ion: 53 Resp: 500
 Ion Ratio Lower Upper
 53 100
 52 0.0 79.2 118.8#
 51 99.7 40.9 61.3#

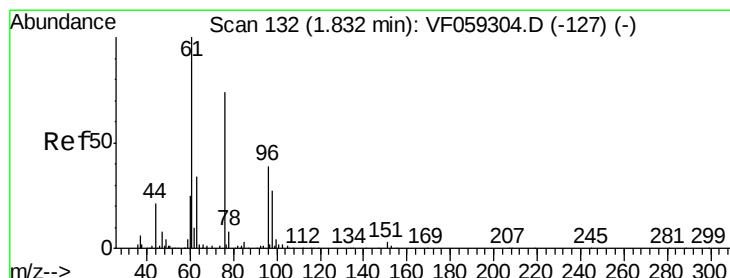
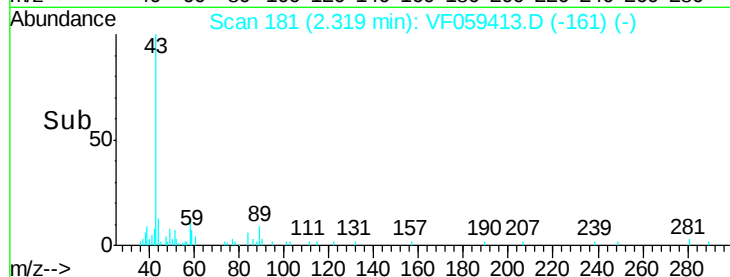
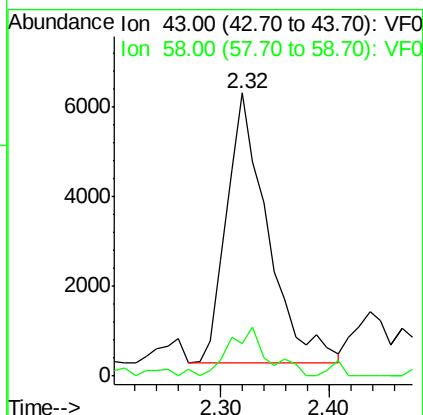
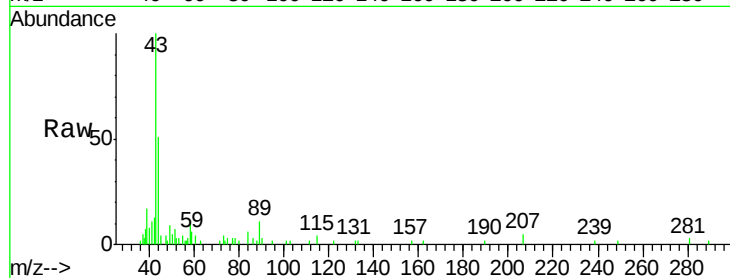




#16
Acetone
Concen: 68.417 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

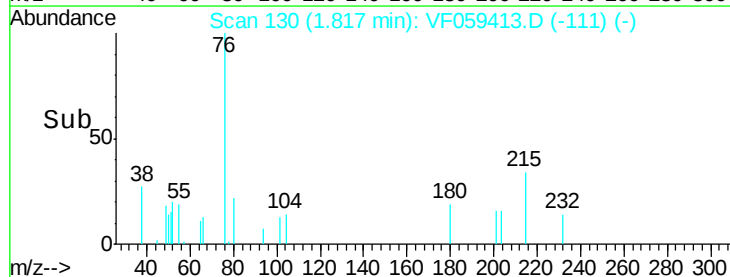
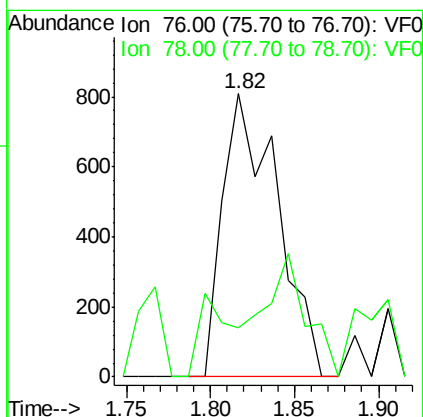
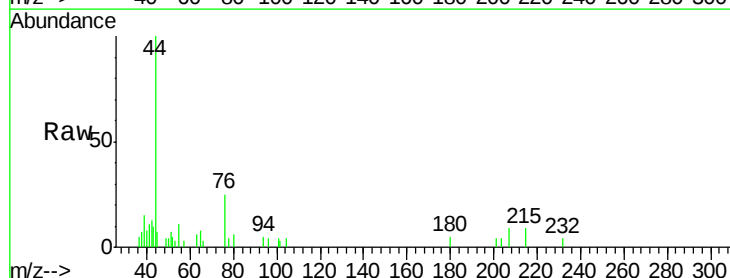
Instrument :
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ClientSampleId :
JC-SOILRE

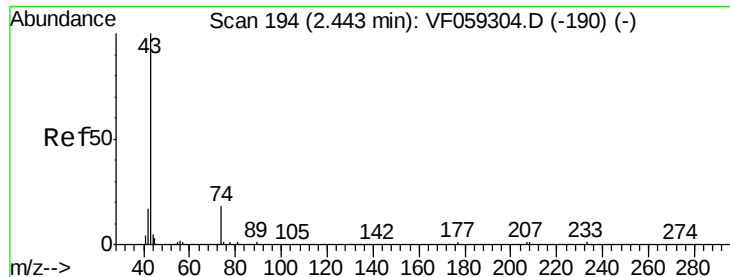
Tgt Ion: 43 Resp: 15948
Ion Ratio Lower Upper
43 100
58 11.5 11.4 17.0



#17
Carbon Disulfide
Concen: 2.011 ug/l
RT: 1.82 min Scan# 130
Delta R.T. -0.02 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

Tgt Ion: 76 Resp: 1818
Ion Ratio Lower Upper
76 100
78 17.2 8.9 13.3#

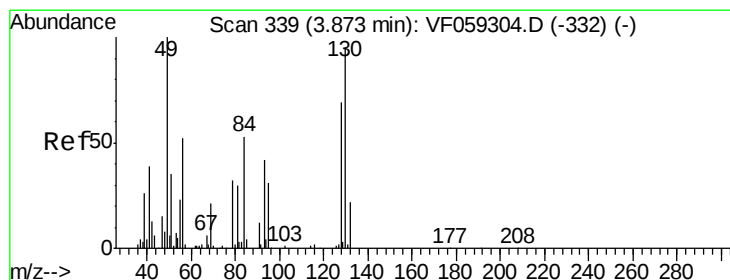
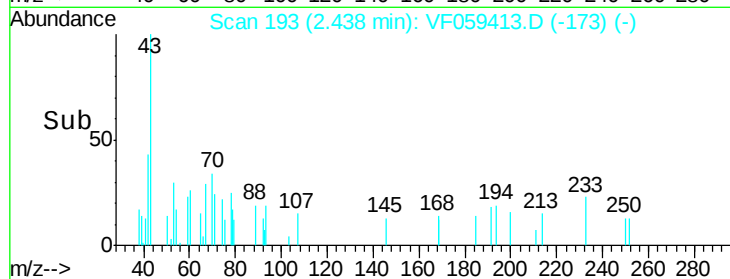
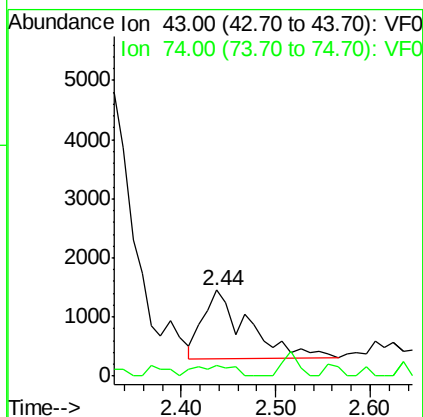
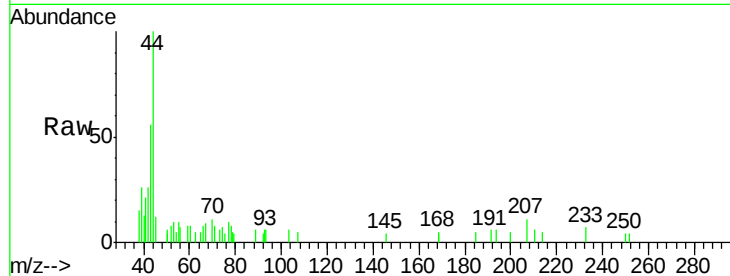




#18
Methyl Acetate
Concen: 9.125 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

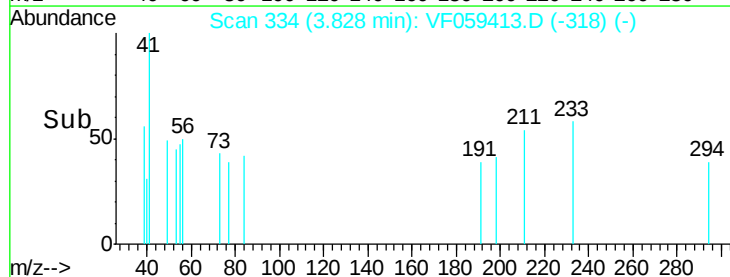
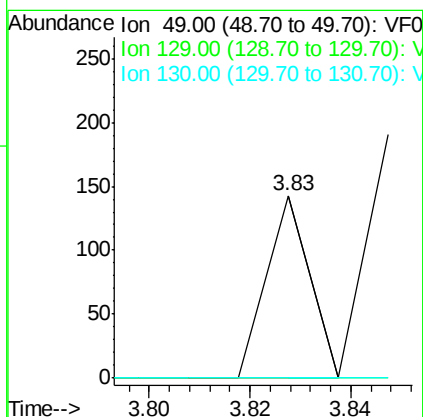
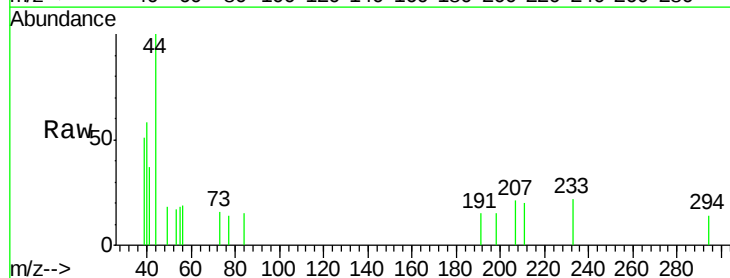
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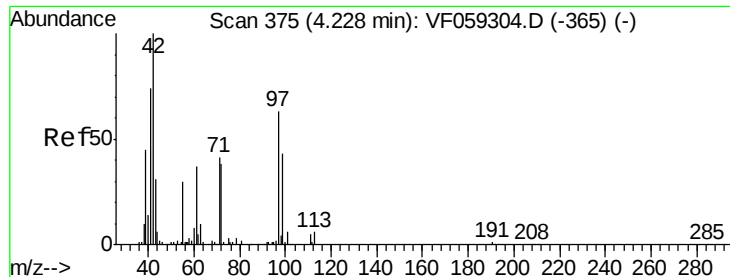
Tgt Ion: 43 Resp: 3830
Ion Ratio Lower Upper
43 100
74 12.7 13.3 19.9#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.83 min Scan# 334
Delta R.T. -0.04 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

Tgt Ion: 49 Resp: 85
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.4
130 0.0 75.1 112.7#





#29

Tetrahydrofuran

Concen: 1.708 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.05 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

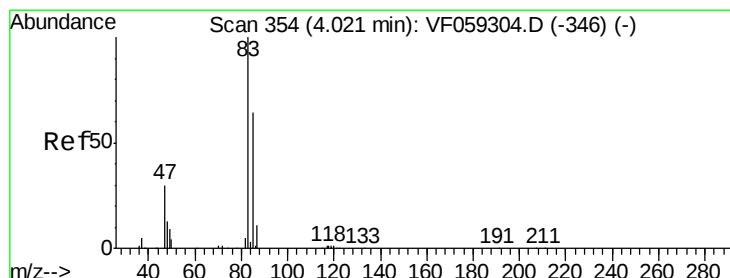
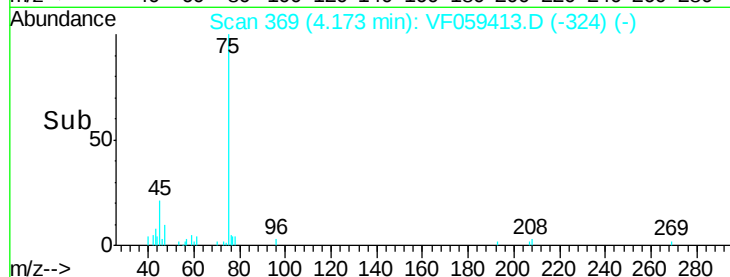
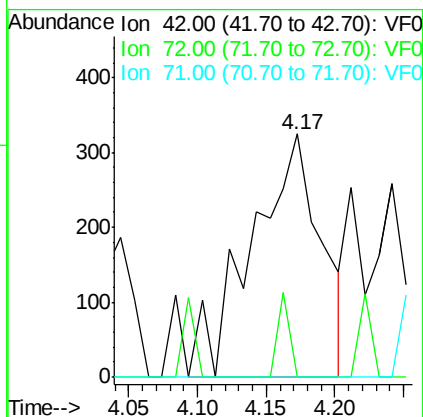
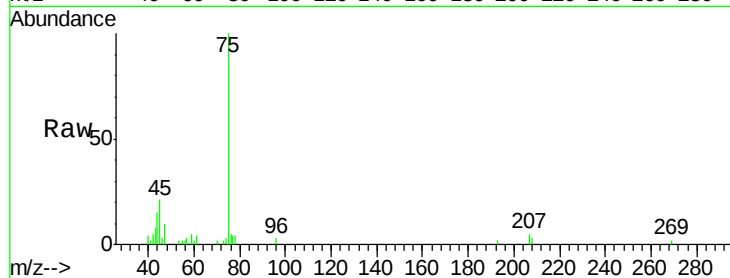
Tgt Ion: 42 Resp: 1138

Ion Ratio Lower Upper

42 100

72 5.9 30.5 45.7#

71 0.0 32.5 48.7#



#30

Chloroform

Concen: 1.052 ug/l

RT: 4.00 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF059413.D

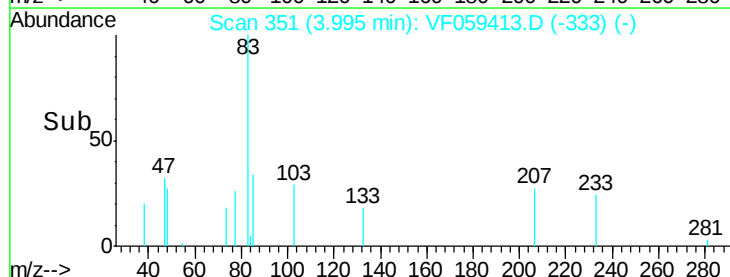
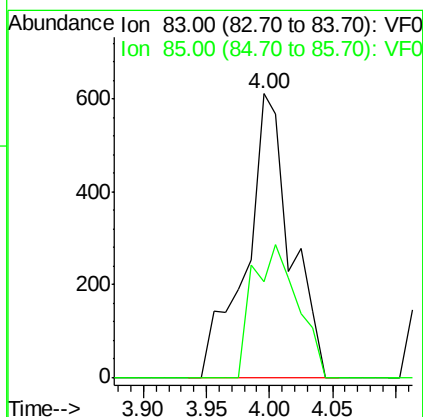
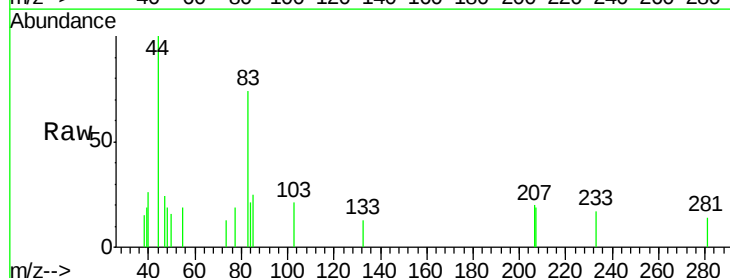
Acq: 3 Jul 2018 15:45

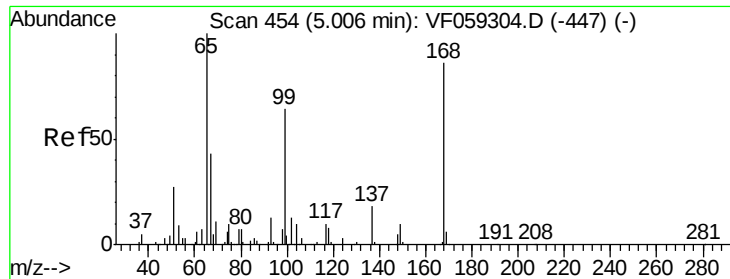
Tgt Ion: 83 Resp: 1508

Ion Ratio Lower Upper

83 100

85 33.6 51.3 76.9#

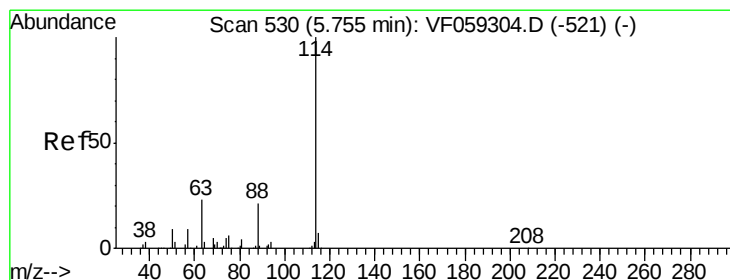
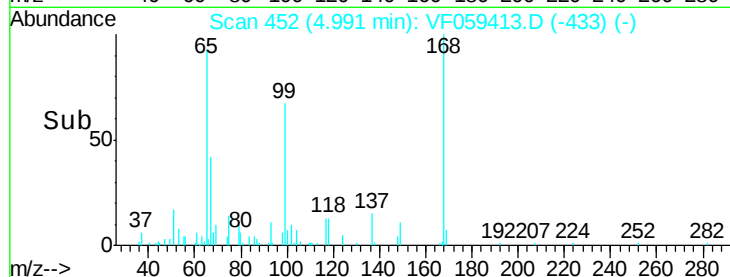
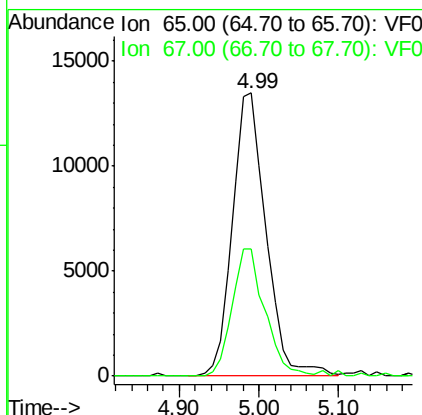
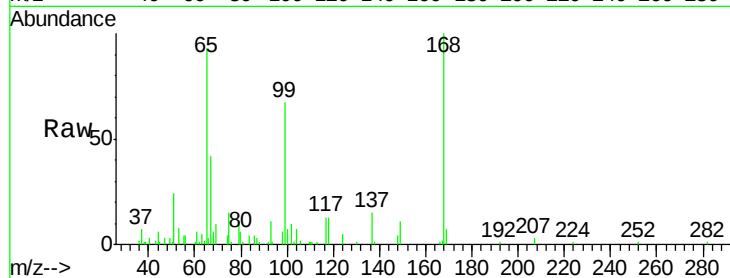




#33
 1,2-Dichloroethane-d4
 Concen: 46.952 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

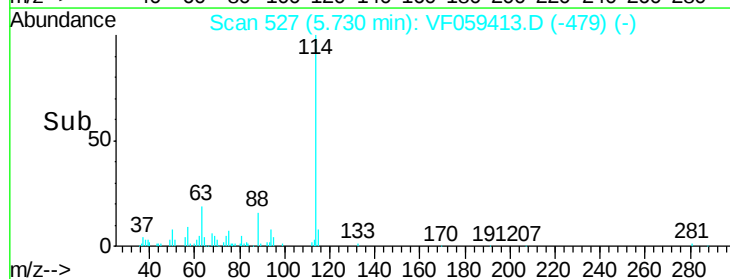
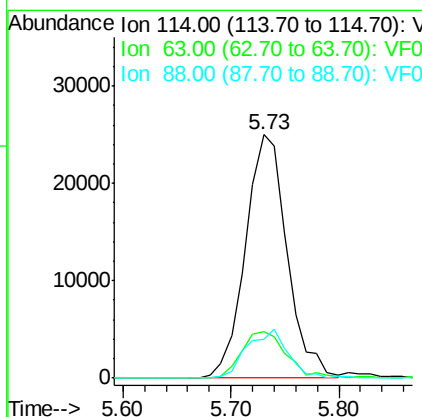
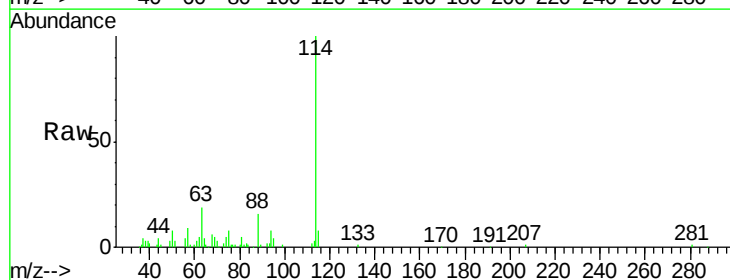
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-SOILRE

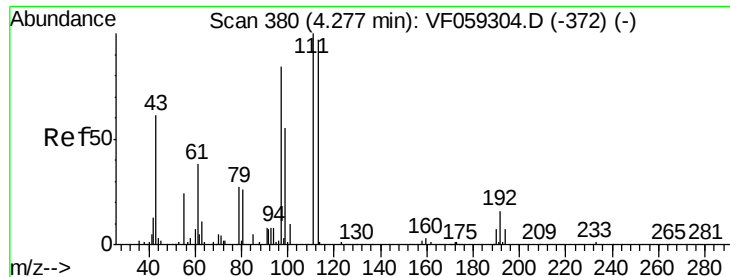
Tgt Ion: 65 Resp: 39541
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. -0.03 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

Tgt Ion: 114 Resp: 66923
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 45.8
 88 15.7 0.0 41.2

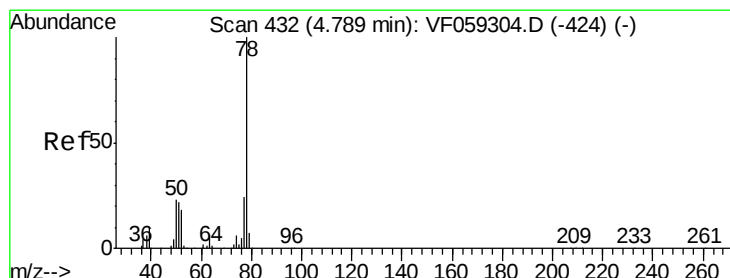
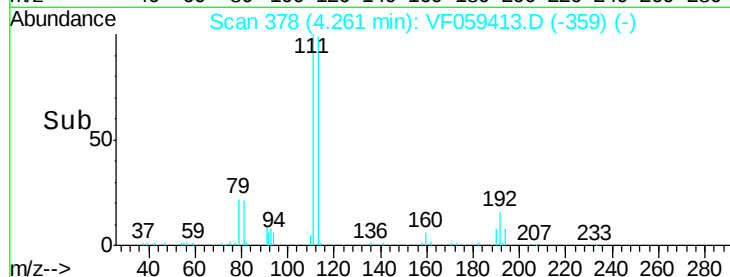
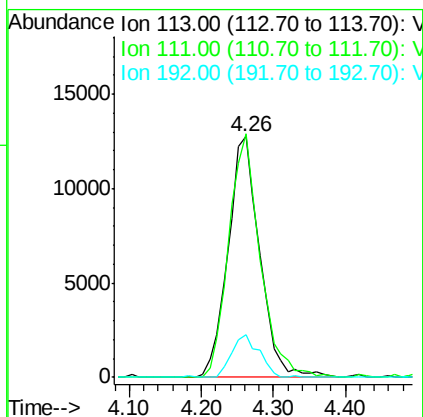
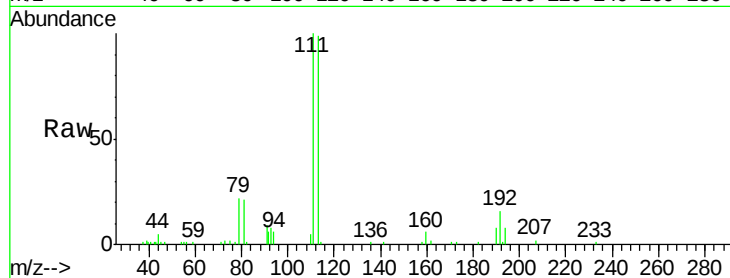




#35
Dibromofluoromethane
Concen: 80.125 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

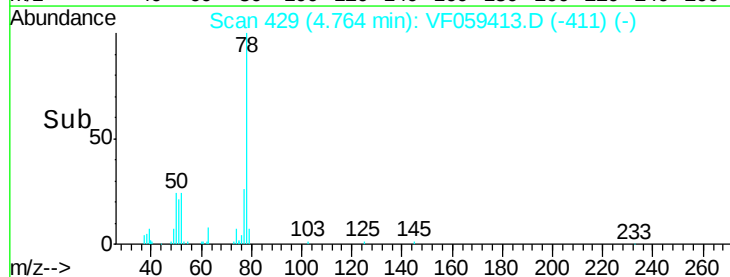
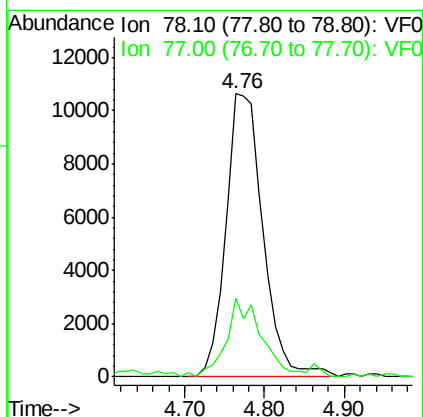
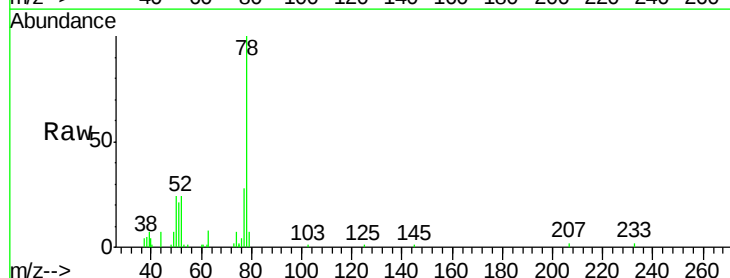
Instrument :
MSVOA_F
ClientSampleId :
JC-SOILRE

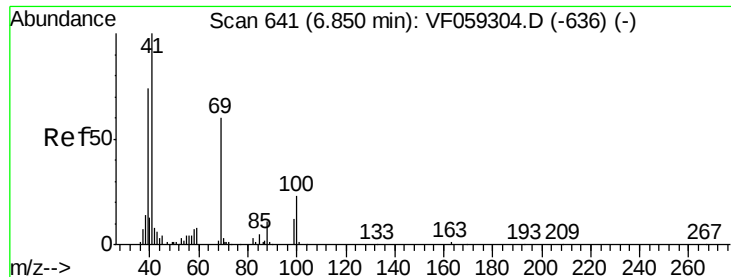
Tgt Ion:113 Resp: 39180
Ion Ratio Lower Upper
113 100
111 101.2 82.1 123.1
192 17.6 13.0 19.6



#40
Benzene
Concen: 26.636 ug/l
RT: 4.76 min Scan# 429
Delta R.T. -0.03 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

Tgt Ion: 78 Resp: 34527
Ion Ratio Lower Upper
78 100
77 27.8 19.6 29.4





#49

1,4-Dioxane

Concen: 8.342 ug/l

RT: 6.60 min Scan# 615

Delta R.T. -0.25 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

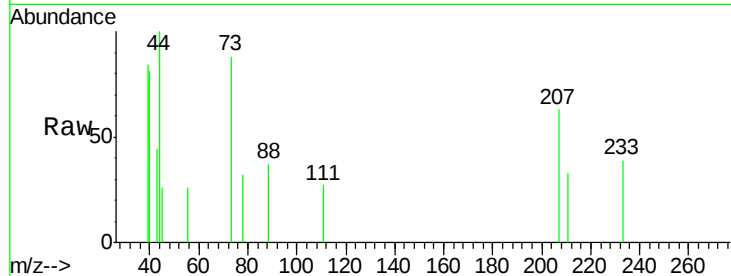
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 120.8 50.6 75.8#

58 0.0 46.6 69.8#



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

400

300

200

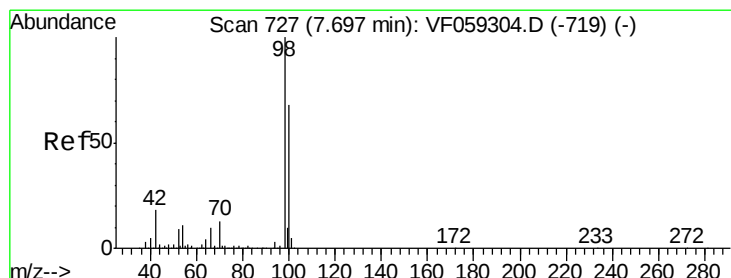
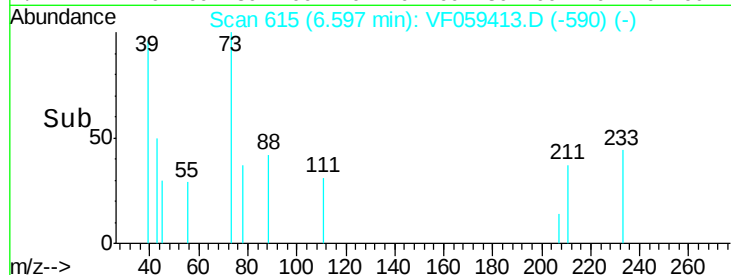
100

0

6.56 6.58 6.60 6.62

6.60

Time-->



#50

Toluene-d8

Concen: 24.541 ug/l

RT: 7.67 min Scan# 724

Delta R.T. -0.03 min

Lab File: VF059413.D

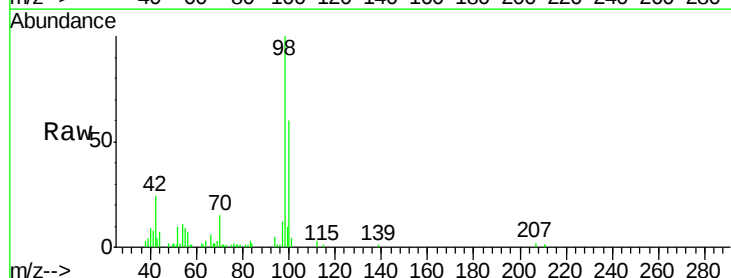
Acq: 3 Jul 2018 15:45

Tgt Ion: 98 Resp: 29711

Ion Ratio Lower Upper

98 100

100 59.9 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

15000

10000

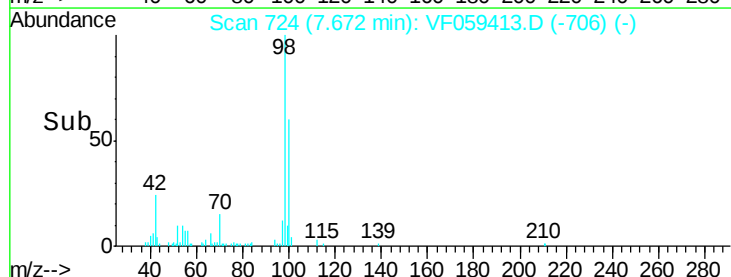
5000

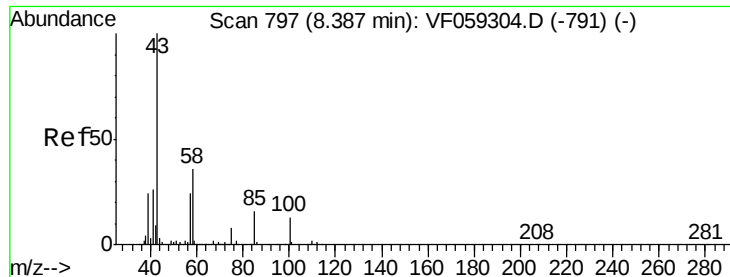
0

7.50 7.60 7.70 7.80

7.67

Time-->





#51

4-Methyl-2-Pentanone

Concen: 6.727 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

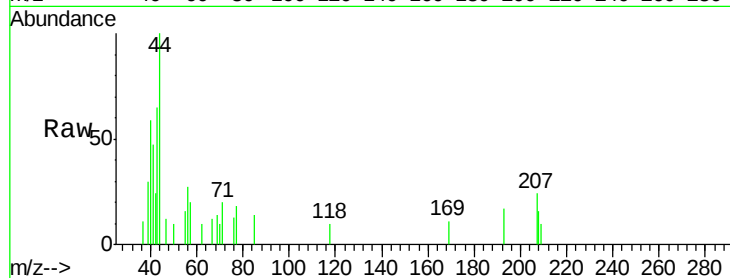
JC-SOILRE

Tgt Ion: 43 Resp: 2427

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

600

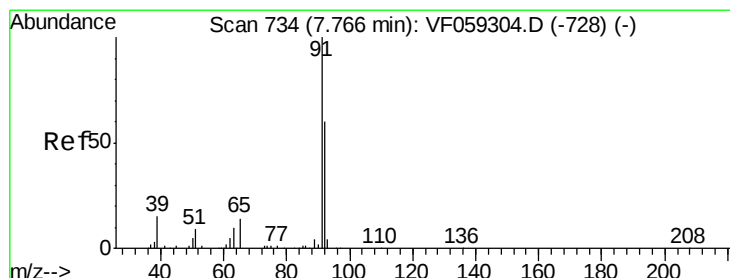
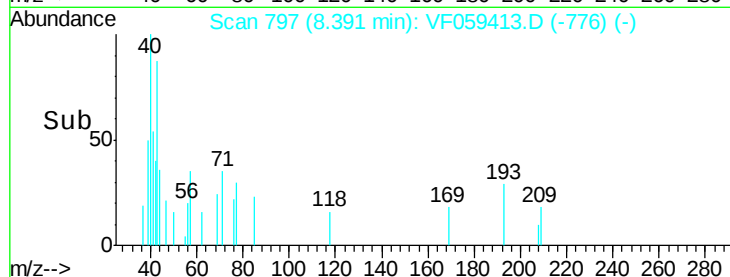
400

200

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 5.917 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059413.D

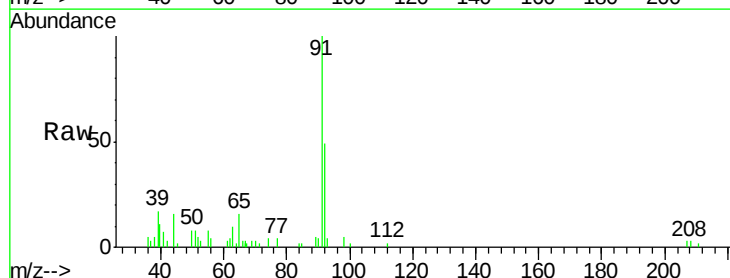
Acq: 3 Jul 2018 15:45

Tgt Ion: 92 Resp: 5739

Ion Ratio Lower Upper

92 100

91 203.4 132.8 199.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.74

5000

4000

3000

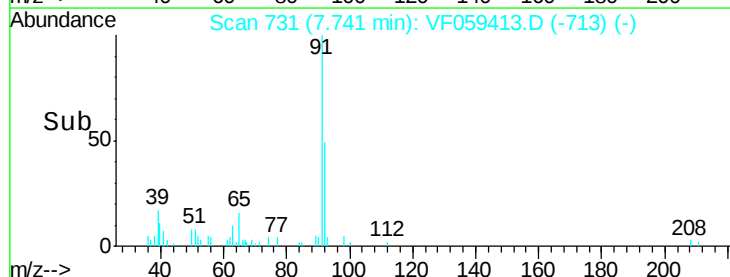
2000

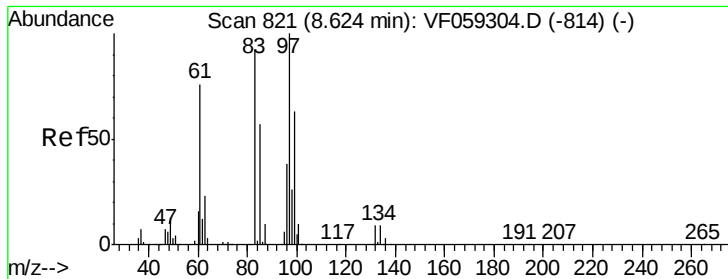
1000

0

7.65 7.70 7.75 7.80 7.85

Time-->





#55

1,1,2-Trichloroethane

Concen: 4.960 ug/l

RT: 8.50 min Scan# 808

Delta R.T. -0.12 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

Tgt Ion: 97 Resp: 1868

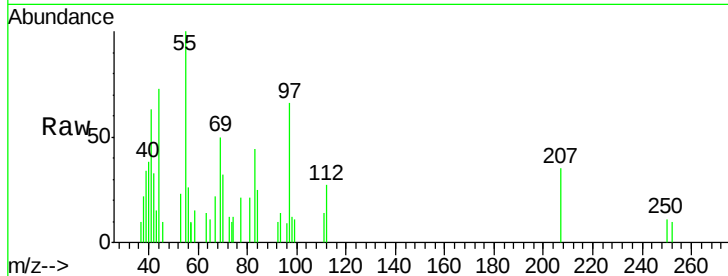
Ion Ratio Lower Upper

97 100

83 66.6 73.8 110.8#

85 0.0 45.5 68.3#

99 16.5 50.7 76.1#

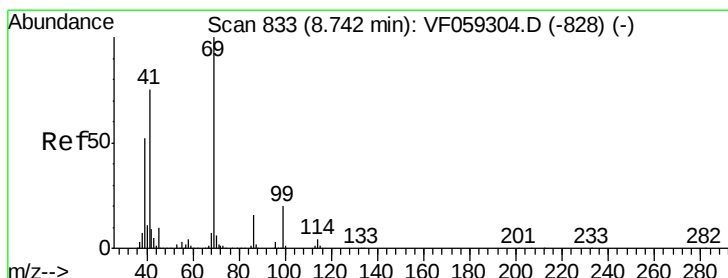
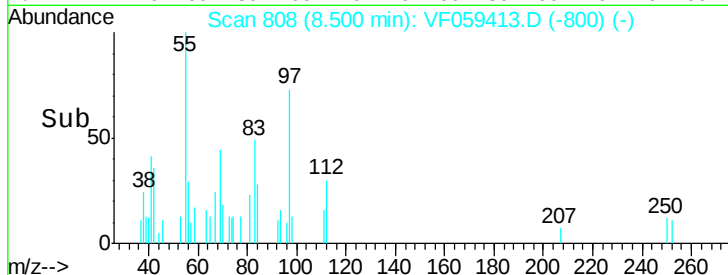
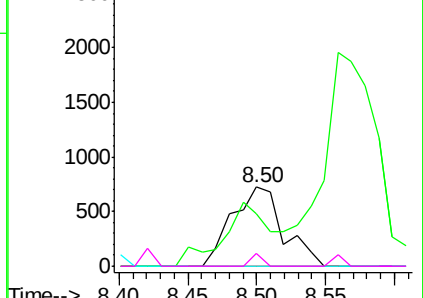


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.067 ug/l

RT: 8.74 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

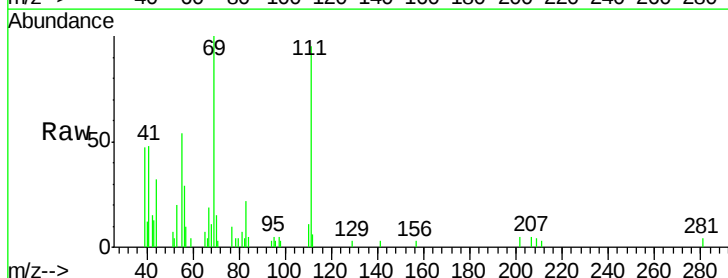
Tgt Ion: 69 Resp: 8895

Ion Ratio Lower Upper

69 100

41 48.1 60.3 90.5#

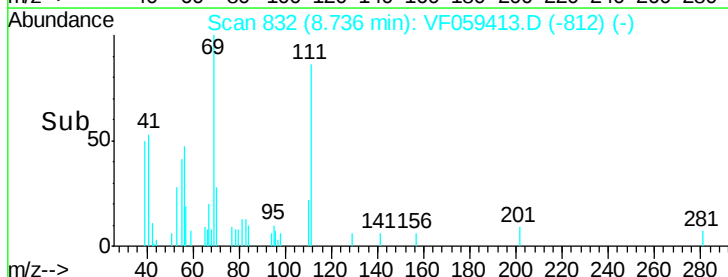
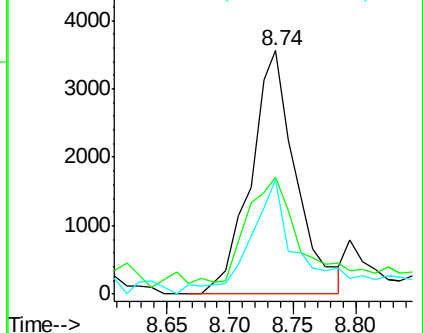
39 46.9 42.2 63.4

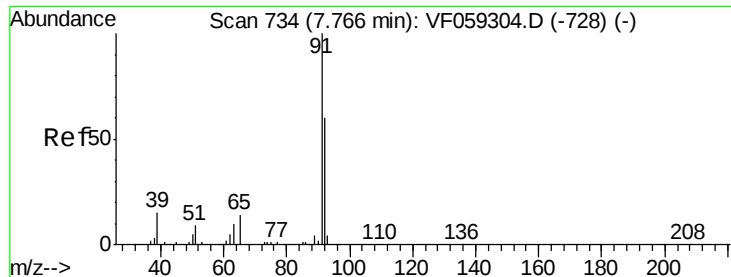


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

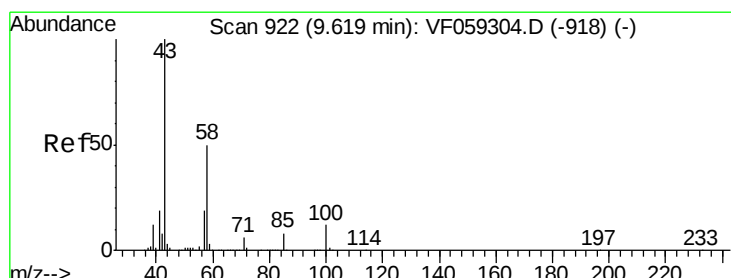
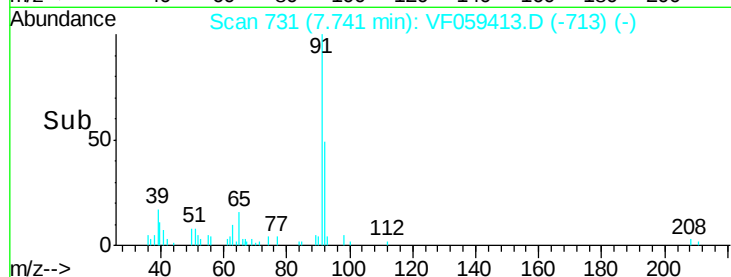
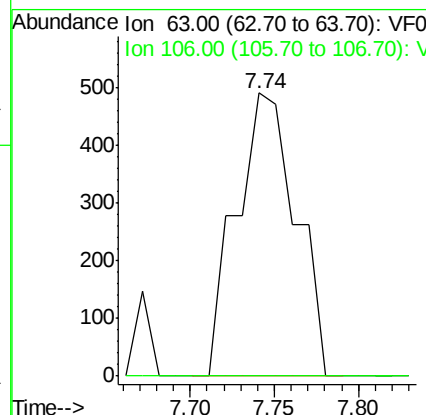
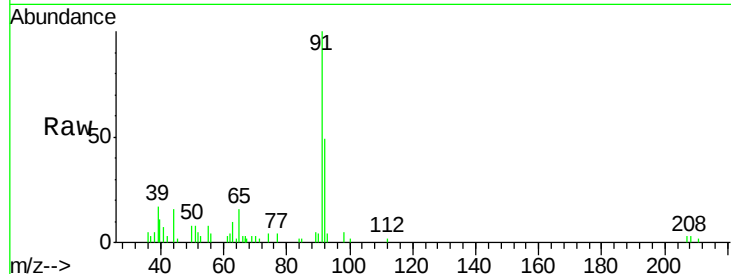




#58
 2-Chloroethyl Vinyl ether
 Concen: 34.468 ug/l
 RT: 7.74 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

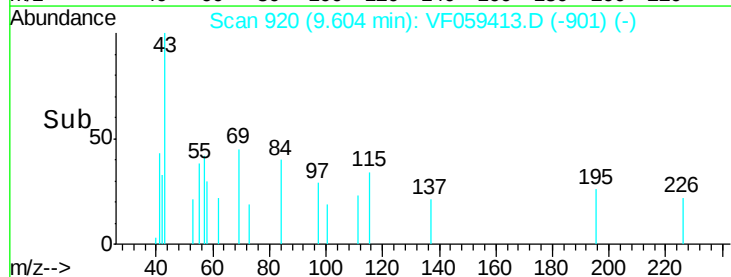
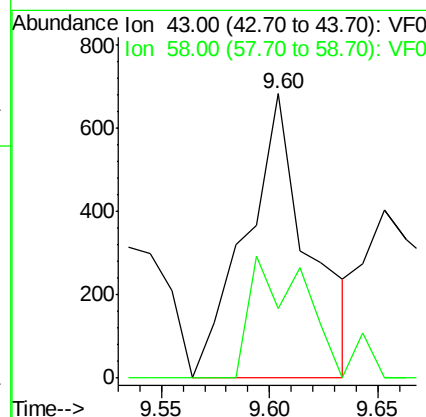
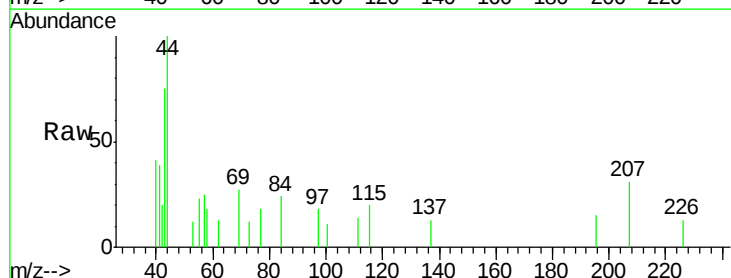
Instrument :
 MSVOA_F
 ClientSampled :
 JC-SOILRE

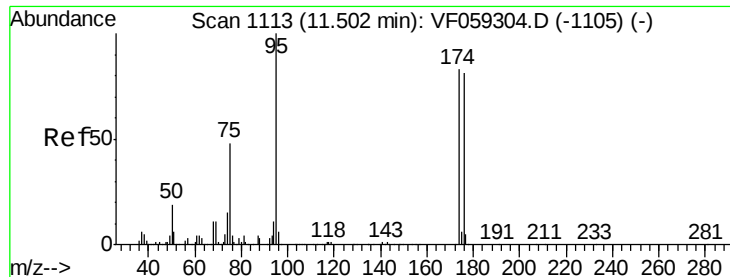
Tgt Ion: 63 Resp: 1206
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

Tgt Ion: 43 Resp: 1366
 Ion Ratio Lower Upper
 43 100
 58 24.1 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 19.066 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

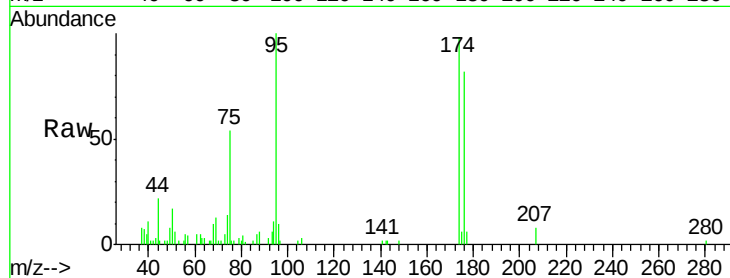
Tgt Ion: 95 Resp: 13021

Ion Ratio Lower Upper

95 100

174 98.2 0.0 165.2

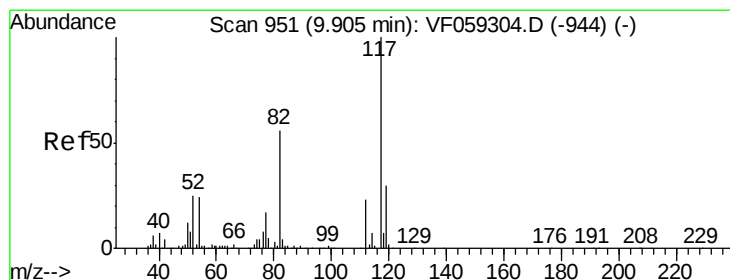
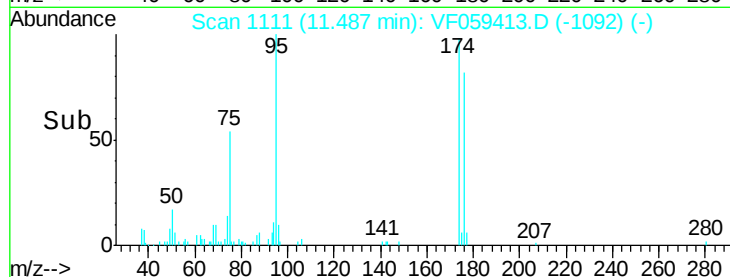
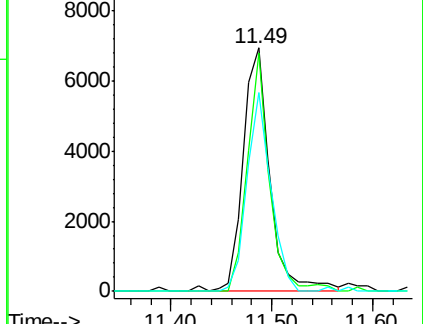
176 81.6 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 949

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

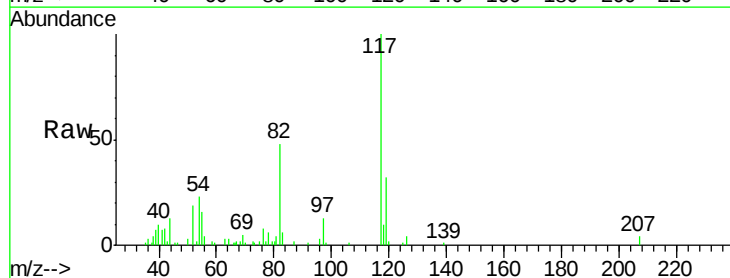
Tgt Ion: 117 Resp: 21686

Ion Ratio Lower Upper

117 100

82 48.3 44.6 66.8

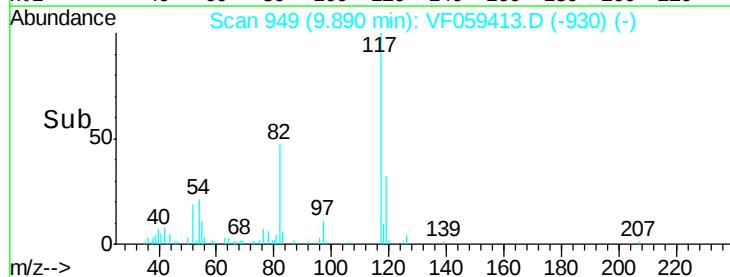
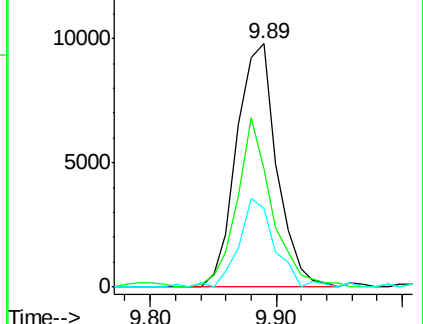
119 32.1 24.1 36.1

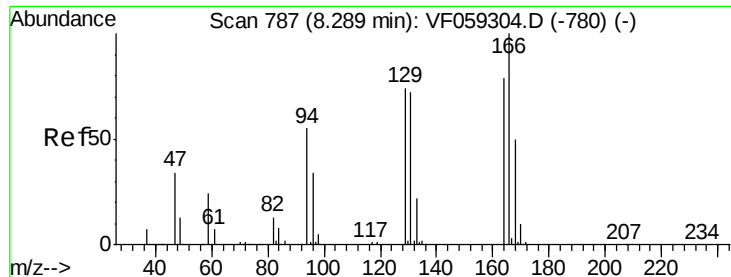


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 2.432 ug/l

RT: 8.26 min Scan# 784

Delta R.T. -0.03 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

Tgt Ion:164 Resp: 342

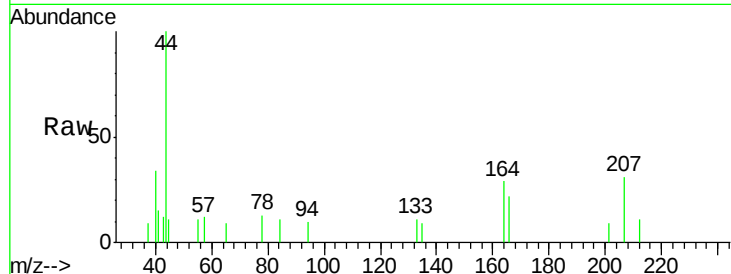
Ion Ratio Lower Upper

164 100

166 73.4 101.1 151.7#

129 0.0 75.0 112.4#

131 0.0 73.3 109.9#

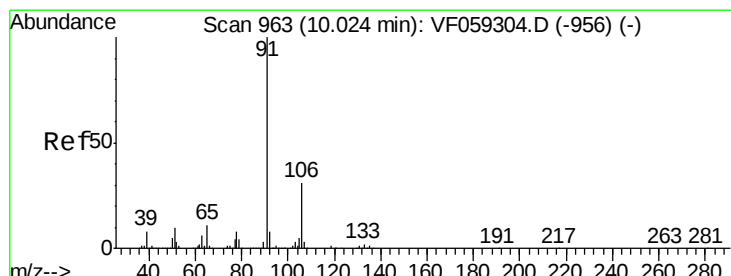
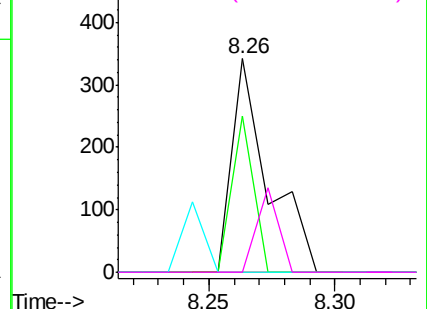
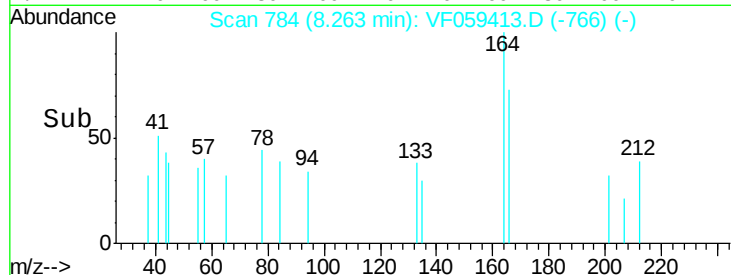


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#67

Ethyl Benzene

Concen: 3.389 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059413.D

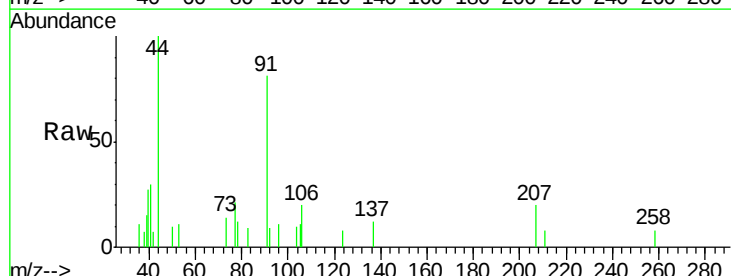
Acq: 3 Jul 2018 15:45

Tgt Ion: 91 Resp: 2310

Ion Ratio Lower Upper

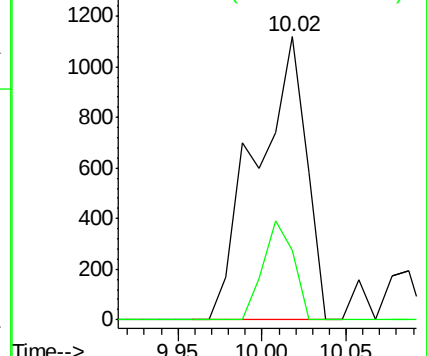
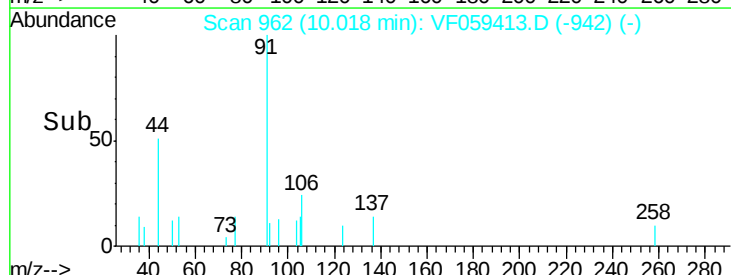
91 100

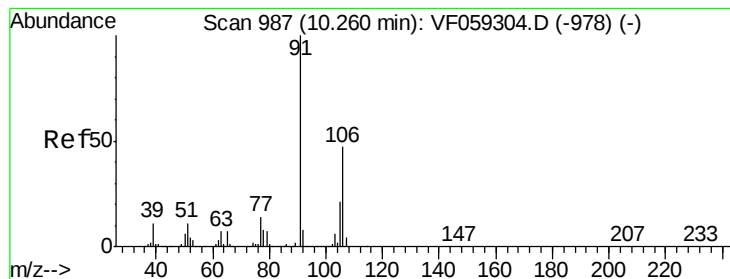
106 24.4 24.8 37.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 5.869 ug/l

RT: 10.22 min Scan# 983

Delta R.T. -0.04 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

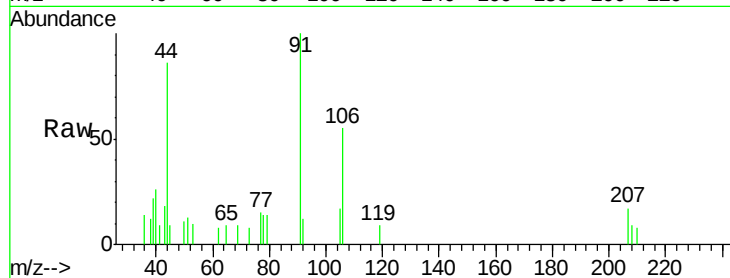
JC-SOILRE

Tgt Ion:106 Resp: 1424

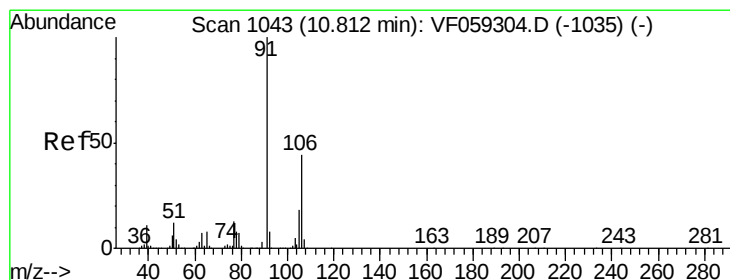
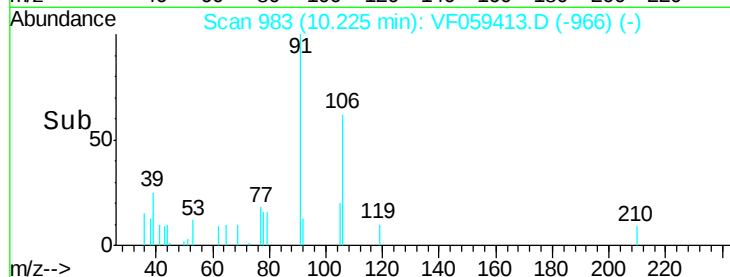
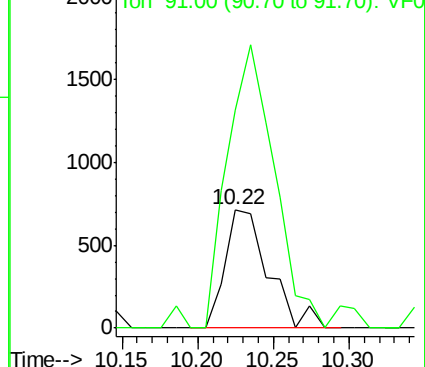
Ion Ratio Lower Upper

106 100

91 183.4 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 2.506 ug/l

RT: 10.80 min Scan# 1041

Delta R.T. -0.02 min

Lab File: VF059413.D

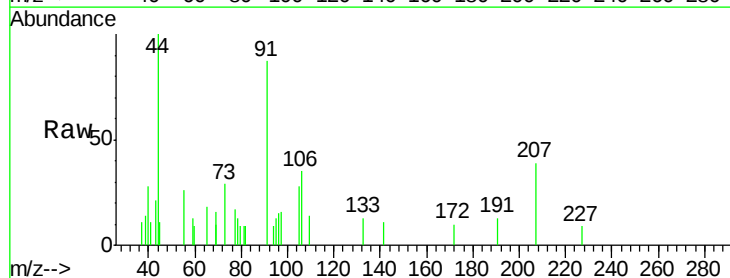
Acq: 3 Jul 2018 15:45

Tgt Ion:106 Resp: 680

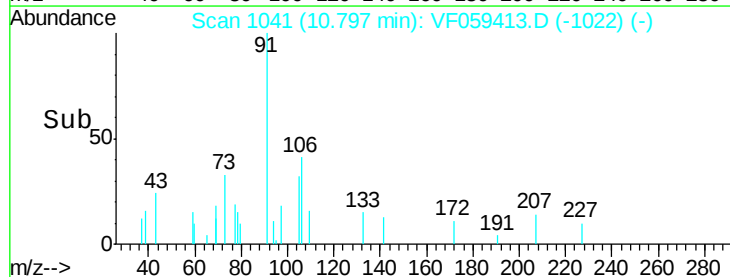
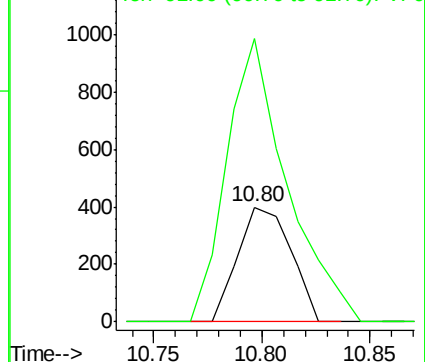
Ion Ratio Lower Upper

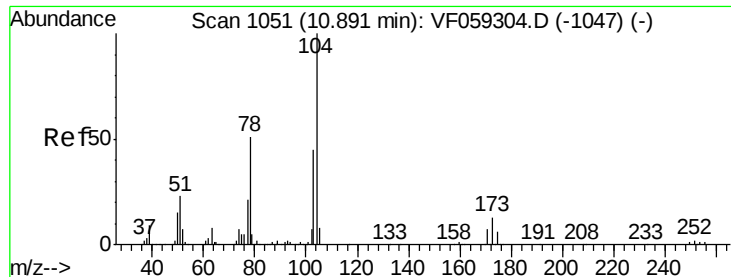
106 100

91 246.9 114.6 343.6



Abundance Ion 106.00 (105.70 to 106.70): V





#70

Styrene

Concen: 1.727 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampled :

JC-SOILRE

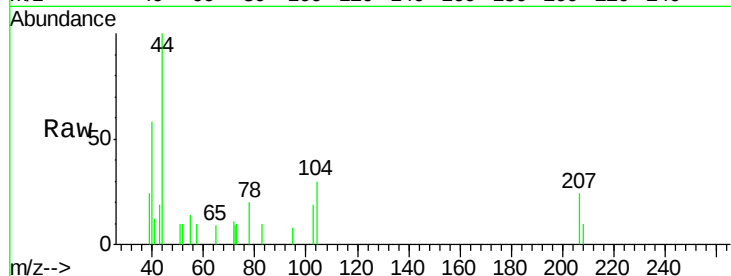
Tgt Ion:104 Resp: 714

Ion Ratio Lower Upper

104 100

78 67.3 40.9 61.3#

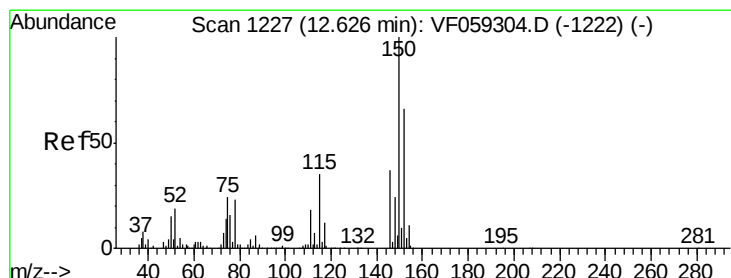
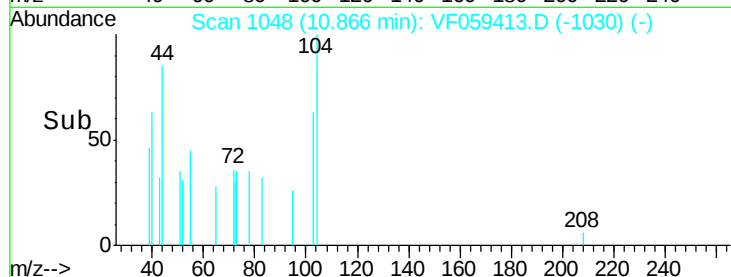
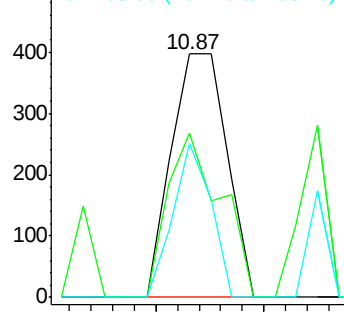
103 63.2 36.5 54.7#



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: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

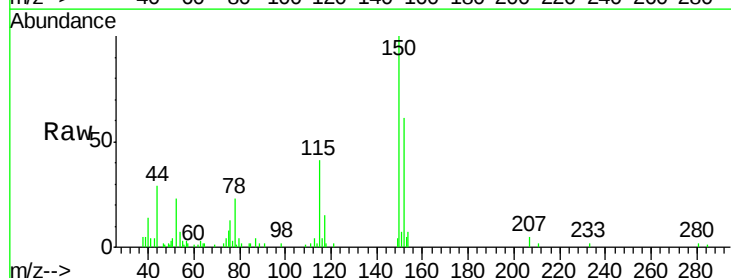
Tgt Ion:152 Resp: 7512

Ion Ratio Lower Upper

152 100

115 66.3 27.1 81.3

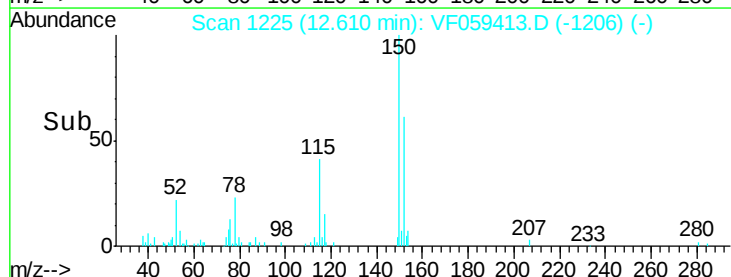
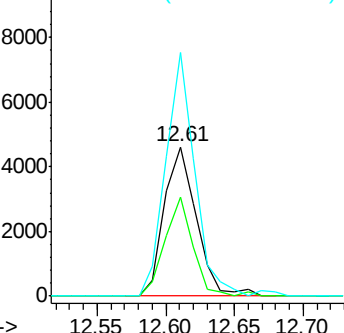
150 163.0 0.0 305.2

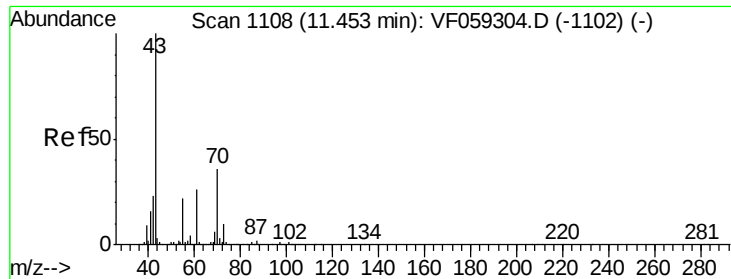


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

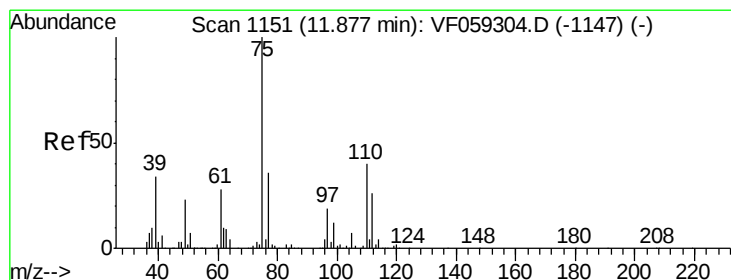
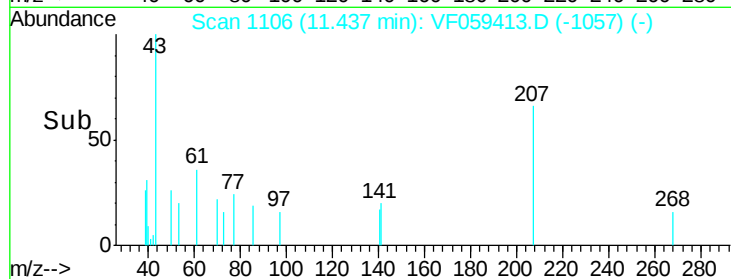
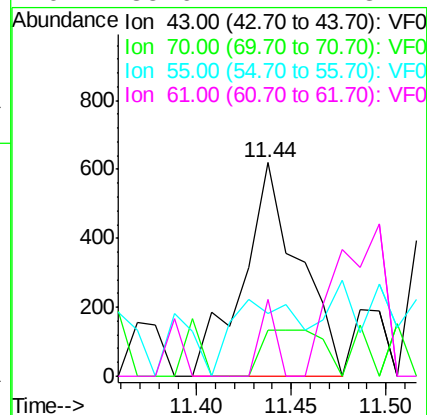
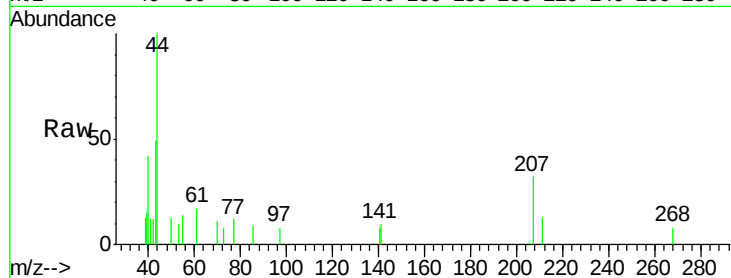




#74
N-ethyl acetate
Concen: 8.060 ug/l
RT: 11.44 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

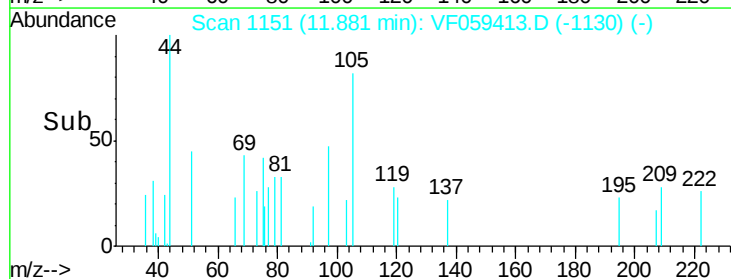
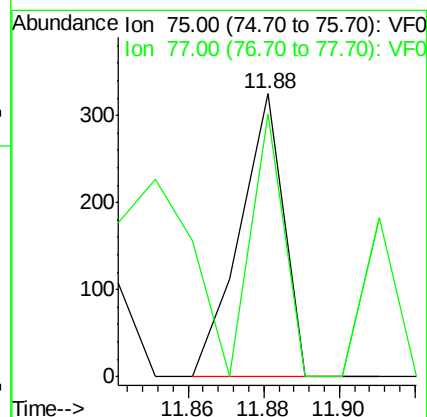
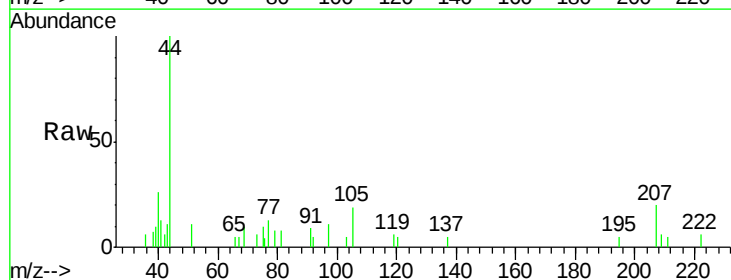
Instrument :
MSVOA_F
ClientSampleId :
JC-SOILRE

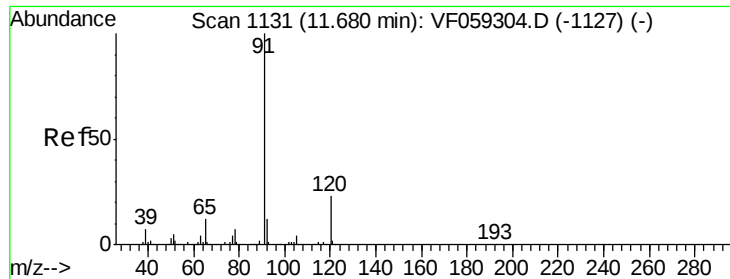
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
70 21.8 28.8 43.2#
55 29.4 17.4 26.0#
61 35.6 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 3.095 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VF059413.D
Acq: 3 Jul 2018 15:45

Tgt Ion: 75 Resp: 258
Ion Ratio Lower Upper
75 100
77 92.9 18.0 54.0#





#78

n-propylbenzene

Concen: 1.180 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

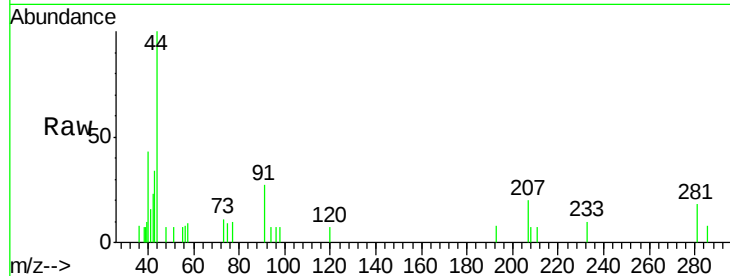
JC-SOILRE

Tgt Ion: 91 Resp: 620

Ion Ratio Lower Upper

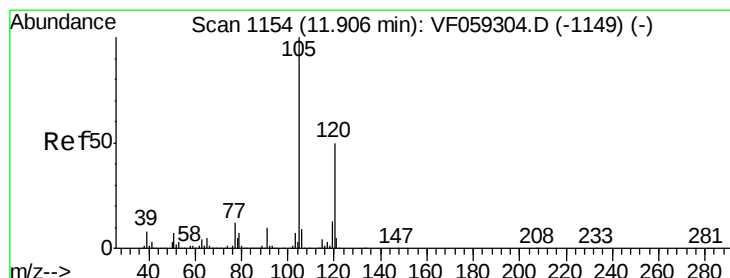
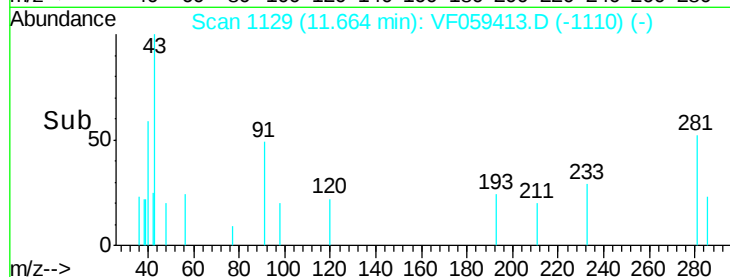
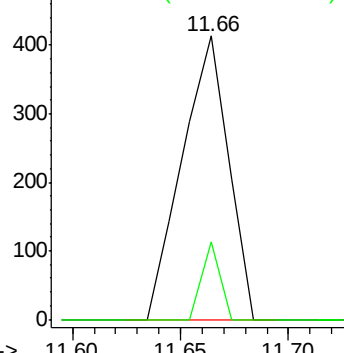
91 100

120 27.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.409 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.03 min

Lab File: VF059413.D

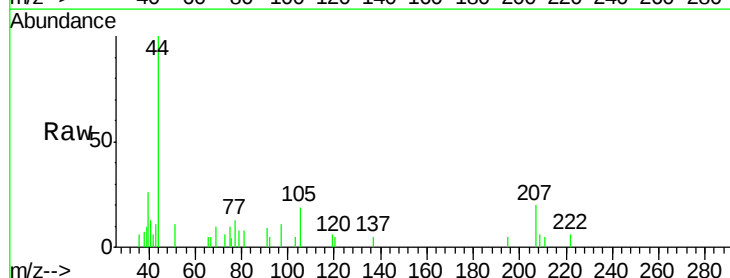
Acq: 3 Jul 2018 15:45

Tgt Ion: 105 Resp: 540

Ion Ratio Lower Upper

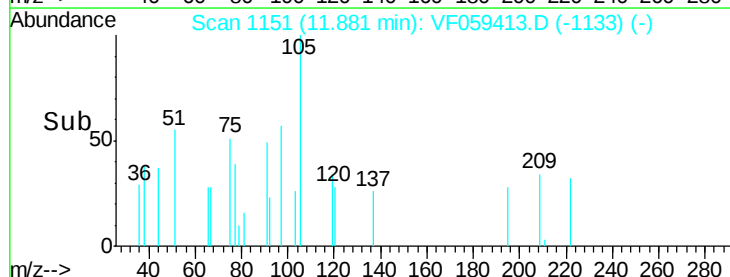
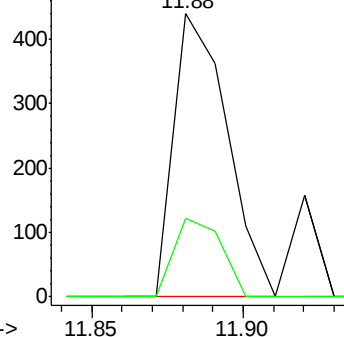
105 100

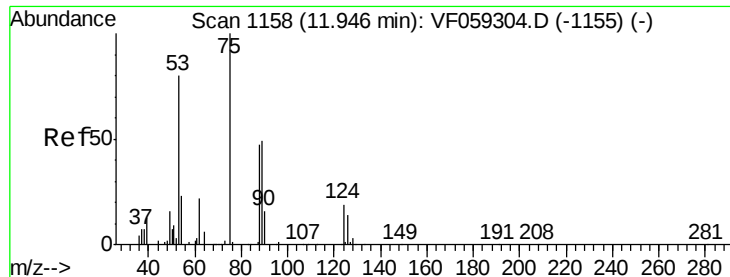
120 27.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 2.700 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

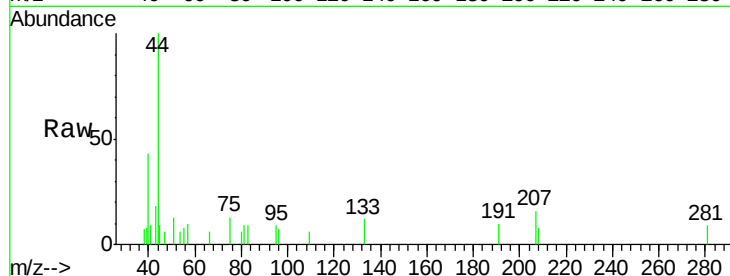
Tgt Ion: 75 Resp: 134

Ion Ratio Lower Upper

75 100

53 44.2 68.8 103.2#

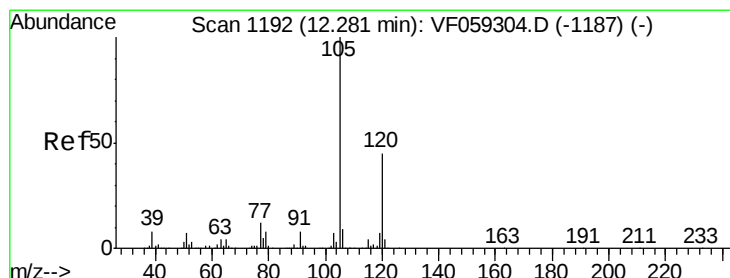
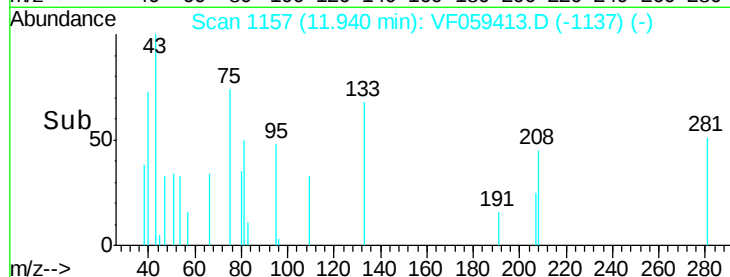
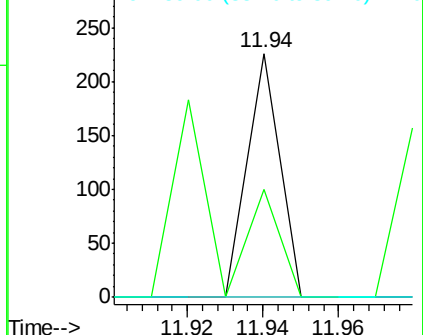
89 0.0 42.0 63.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#84

1,2,4-Trimethylbenzene

Concen: 3.804 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.02 min

Lab File: VF059413.D

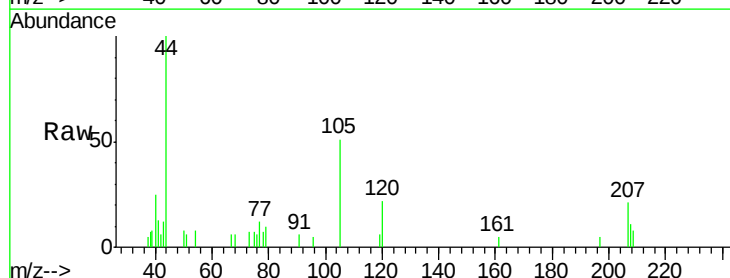
Acq: 3 Jul 2018 15:45

Tgt Ion: 105 Resp: 1536

Ion Ratio Lower Upper

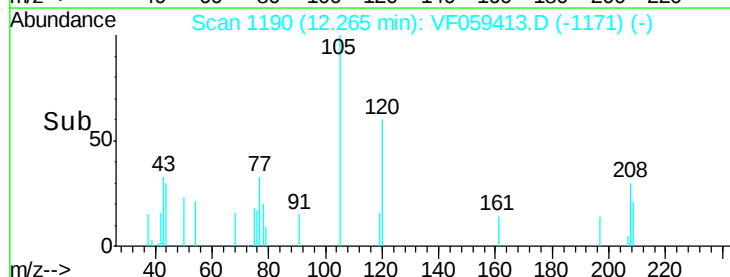
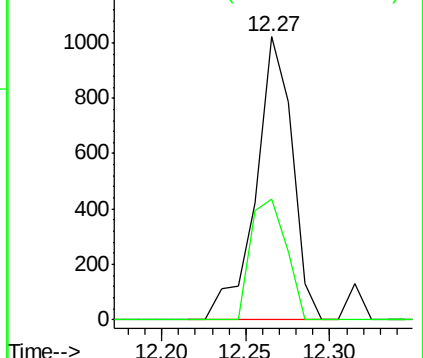
105 100

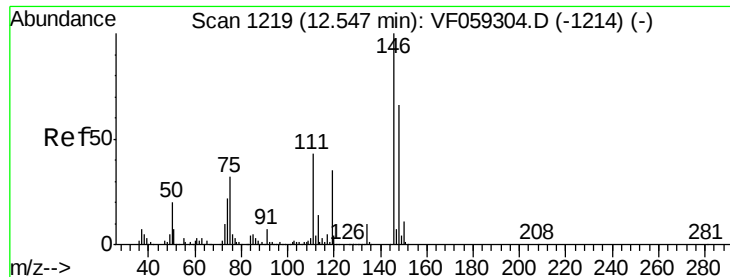
120 42.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

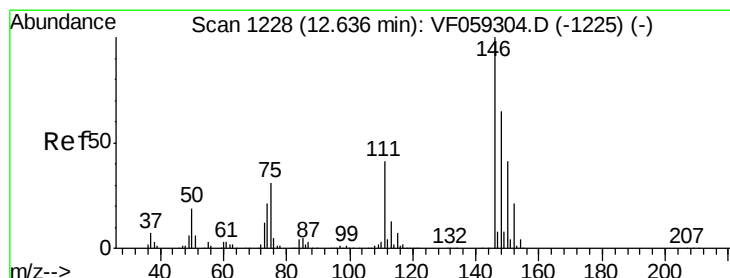
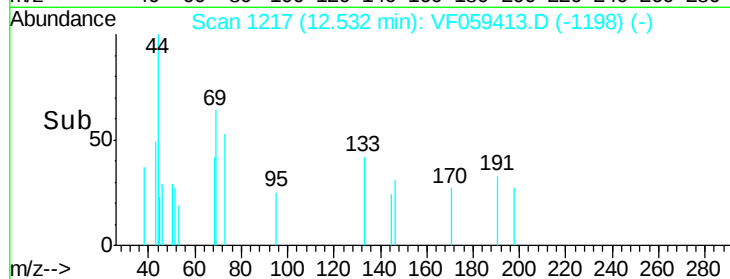
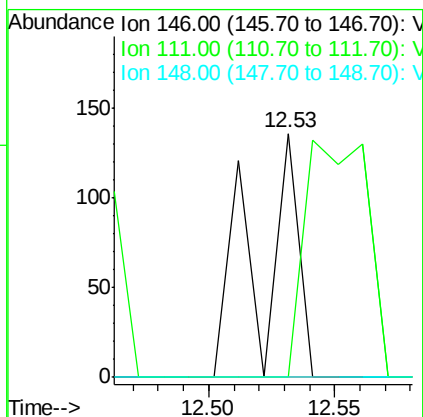
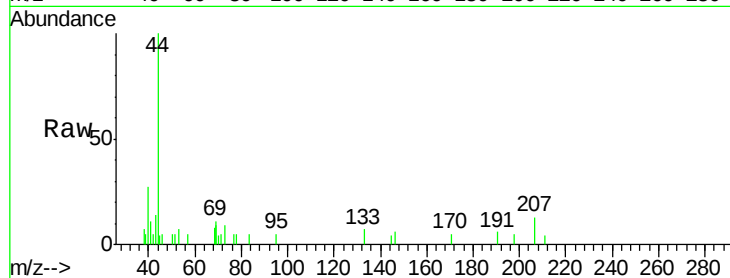




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

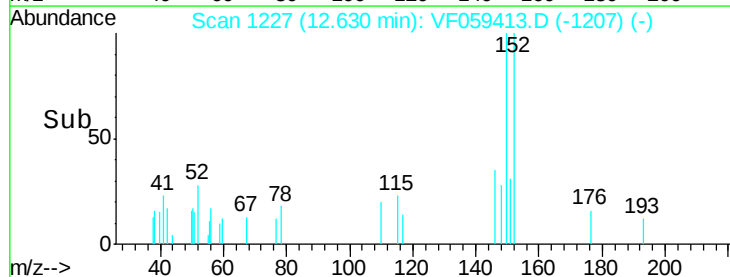
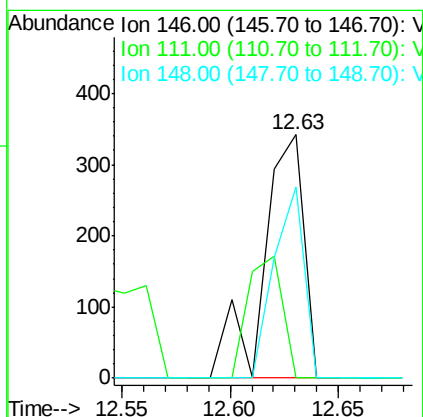
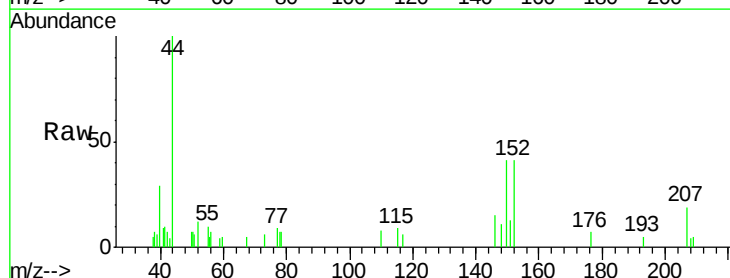
Instrument :
 MSVOA_F
 ClientSampleId :
 JC-SOILRE

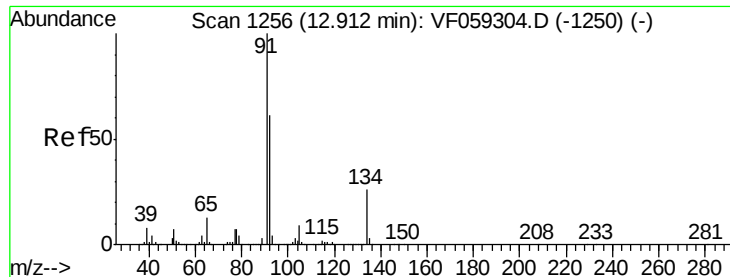
Tgt Ion:146 Resp: 152
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.4 64.2#
 148 0.0 32.8 98.4#



#88
 1,4-Dichlorobenzene
 Concen: 2.034 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059413.D
 Acq: 3 Jul 2018 15:45

Tgt Ion:146 Resp: 441
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 78.7 32.8 98.3





#89

n-Butylbenzene

Concen: 1.053 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampled :

JC-SOILRE

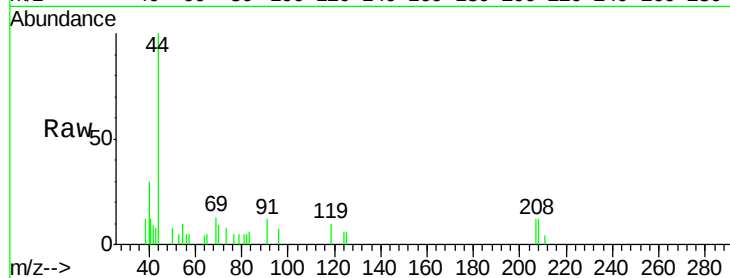
Tgt Ion: 91 Resp: 456

Ion Ratio Lower Upper

91 100

92 0.0 30.3 91.0#

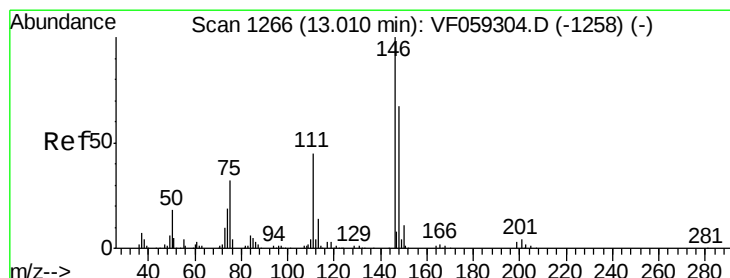
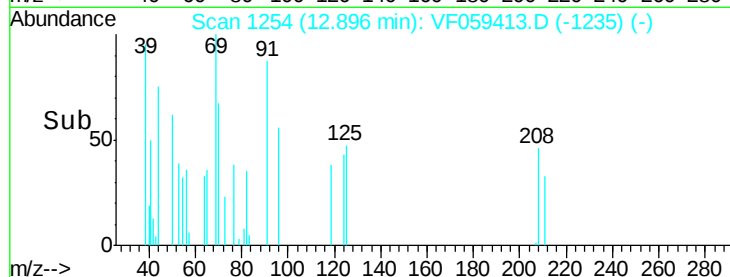
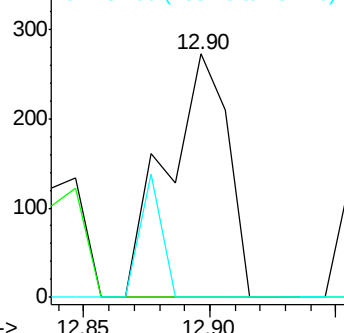
134 0.0 12.9 38.7#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: 1.347 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

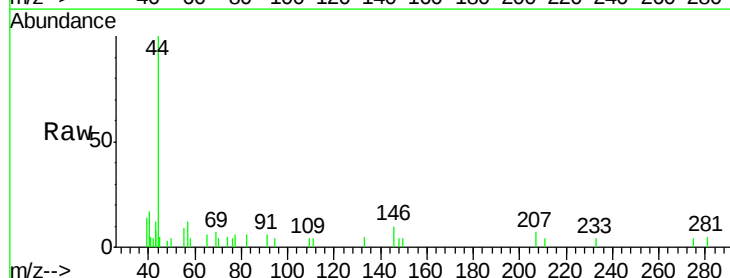
Tgt Ion: 146 Resp: 297

Ion Ratio Lower Upper

146 100

111 41.3 22.7 68.0

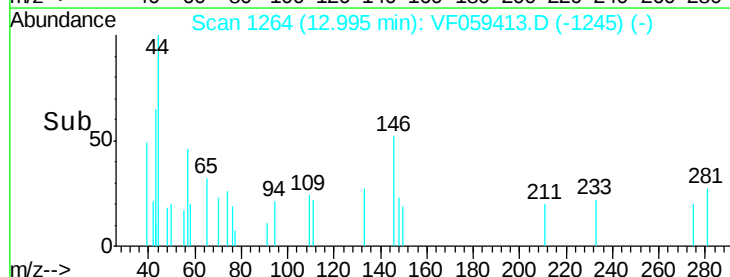
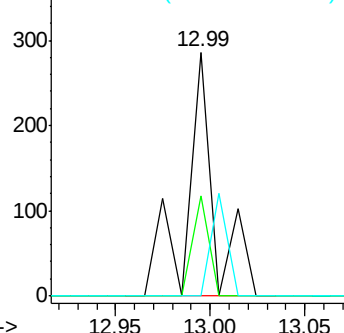
148 0.0 33.5 100.4#

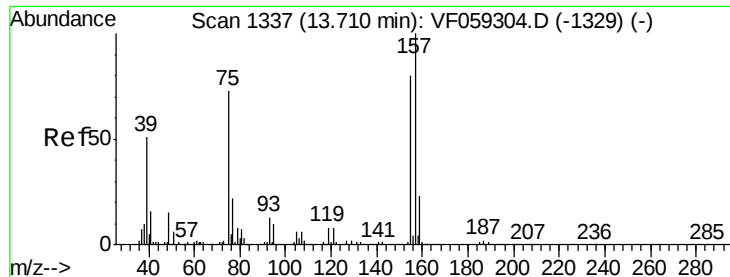


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.816 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampled :

JC-SOILRE

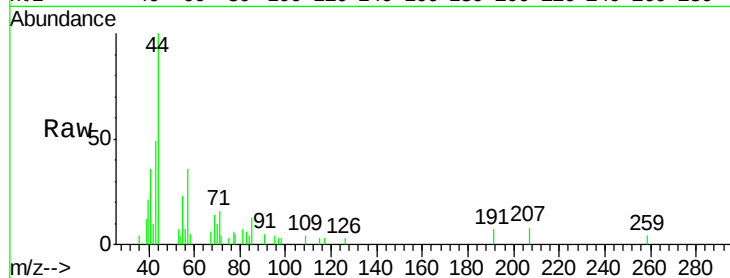
Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

155 0.0 54.6 163.8#

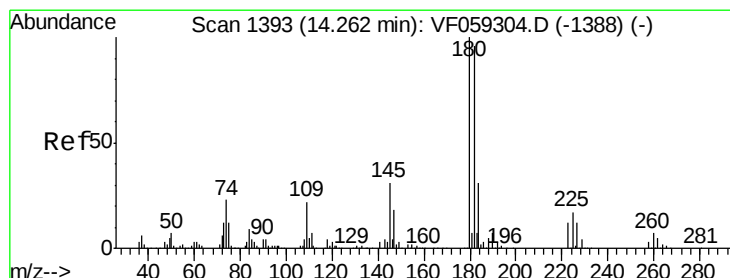
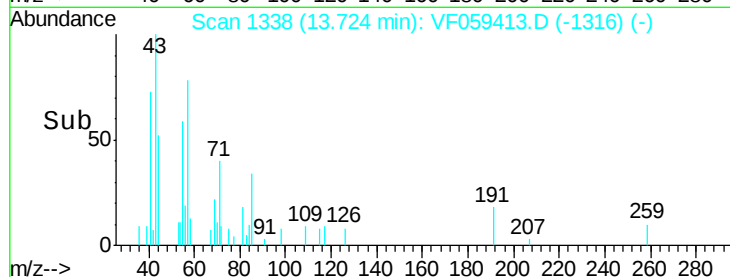
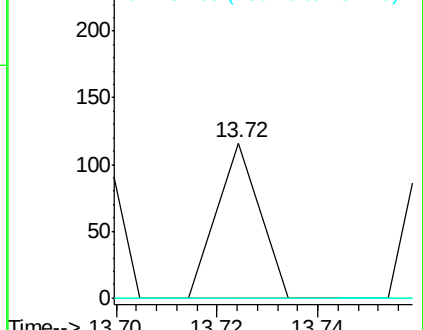
157 0.0 68.7 205.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 2.687 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

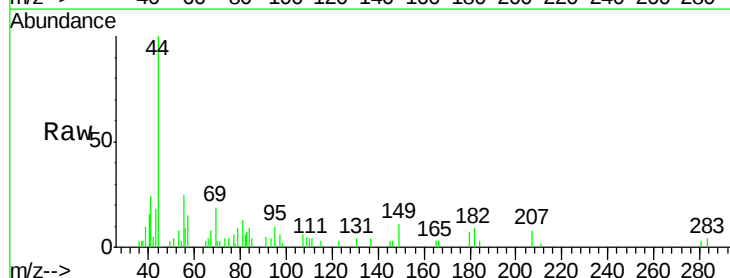
Tgt Ion: 180 Resp: 438

Ion Ratio Lower Upper

180 100

182 126.3 48.1 144.3

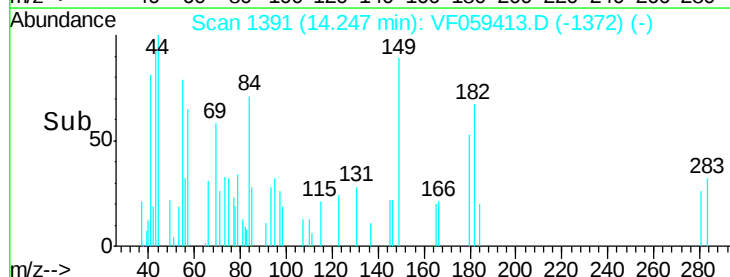
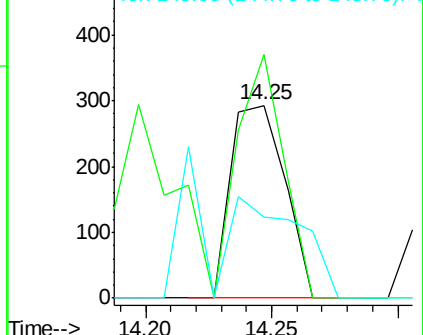
145 42.0 15.3 45.8

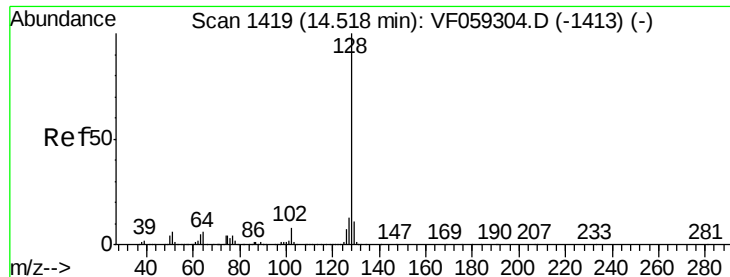


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 11.715 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.02 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

Instrument :

MSVOA_F

ClientSampleId :

JC-SOILRE

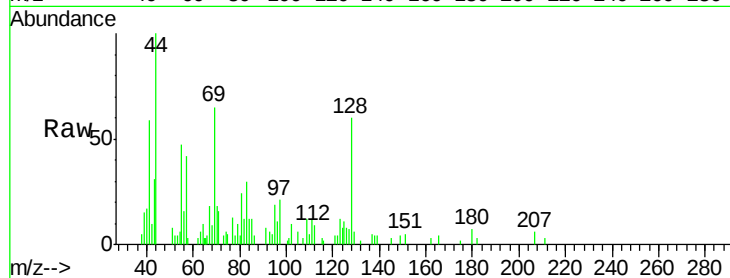
Tgt Ion:128 Resp: 3995

Ion Ratio Lower Upper

128 100

127 11.5 10.1 15.1

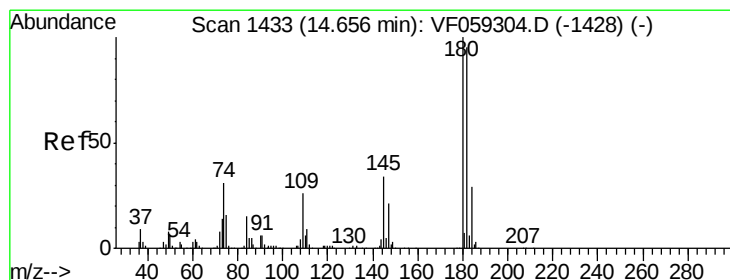
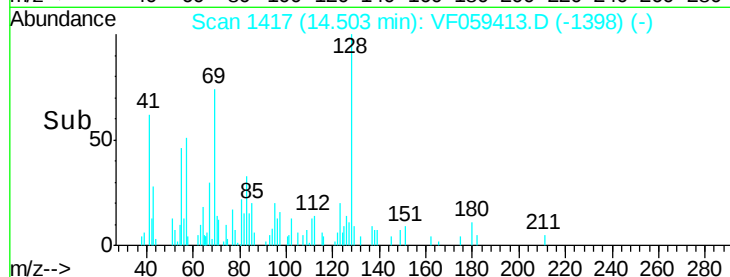
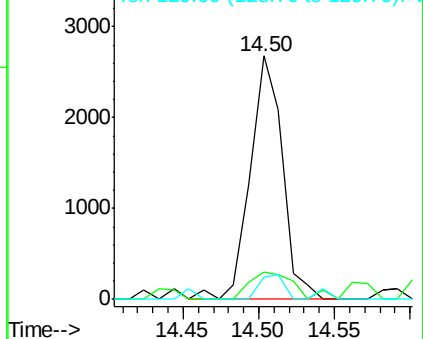
129 9.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 9.093 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059413.D

Acq: 3 Jul 2018 15:45

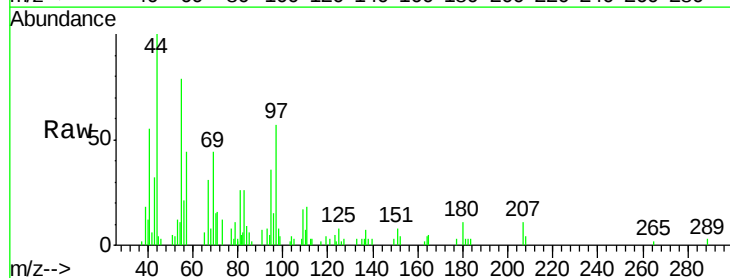
Tgt Ion:180 Resp: 1404

Ion Ratio Lower Upper

180 100

182 27.6 47.5 142.5#

145 0.0 17.0 50.9#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

