

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050418.D
 Acq On : 7 Aug 2018 6:21
 Operator : MD\SY
 Sample : J4355-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SOIL

Quant Time: Aug 07 07:16:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	668024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	932170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	459132	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.59	113	418274	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.09	98	1496323	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	418373	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3719	Below Cal		98
5) Bromomethane	2.57	94	4227	1.07 ug/l		96
8) Diethyl Ether	3.41	74	926	0.20 ug/l		64
10) Methyl Iodide	3.97	142	1048	0.31 ug/l #		60
13) Acrolein	3.60	56	30	15.06 ug/l #		15
16) Acetone	3.82	43	17821	6.34 ug/l		99
18) Methyl Acetate	4.33	43	15488	2.05 ug/l		93
20) Methylene Chloride	4.55	84	114815	12.96 ug/l		98
25) 2-Butanone	6.85	43	3546	0.80 ug/l #		82
29) Tetrahydrofuran	7.22	42	1037	0.44 ug/l #		44
30) Chloroform	7.37	83	18188	1.25 ug/l		97
31) Cyclohexane	7.67	56	11823	0.30 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	46621	3.89 ug/l #		48
38) Carbon Tetrachloride	7.67	117	61549	4.92 ug/l #		16
43) Isopropyl Acetate	8.17	43	268578	18.01 ug/l		98
47) Bromodichloromethane	9.40	83	4709	0.38 ug/l		95
48) Methyl methacrylate	9.18	41	9039	1.21 ug/l #		22
52) Toluene	10.16	92	6927	0.31 ug/l		99
56) Ethyl methacrylate	10.64	69	732	1.77 ug/l #		1
59) 2-Hexanone	10.77	43	19526	2.61 ug/l #		56
67) Ethyl Benzene	11.51	91	27552	0.73 ug/l		99
68) m/p-Xylenes	11.62	106	28844	2.01 ug/l		99
69) o-Xylene	11.95	106	8655	0.62 ug/l		99
70) Styrene	11.96	104	4669	0.21 ug/l #		79
71) Bromoform	12.40	173	1777	0.29 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	204563	32.07 ug/l #		100
77) Bromobenzene	12.54	156	5240	0.74 ug/l #		1
80) 1,3,5-Trimethylbenzene	12.73	105	10885	0.51 ug/l		98
81) trans-1,4-Dichloro-2-buten	12.40	75	204563	112.66 ug/l #		13
83) tert-Butylbenzene	13.04	119	4240	0.23 ug/l #		69
84) 1,2,4-Trimethylbenzene	13.04	105	29267	1.35 ug/l		98
90) Hexachloroethane	13.89	117	1622	0.43 ug/l #		4
95) Naphthalene	15.13	128	138486	11.15 ug/l		99

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QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

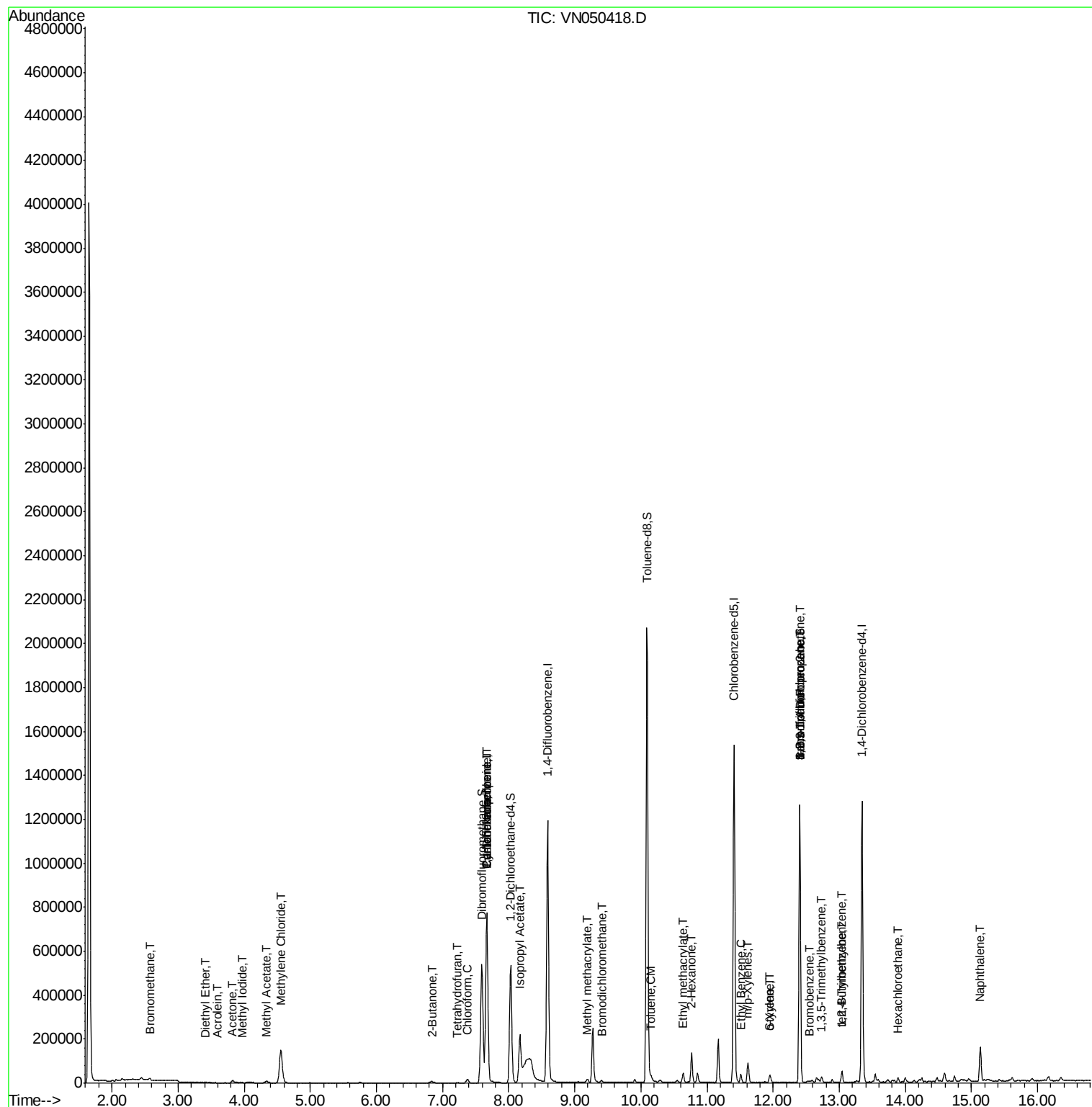
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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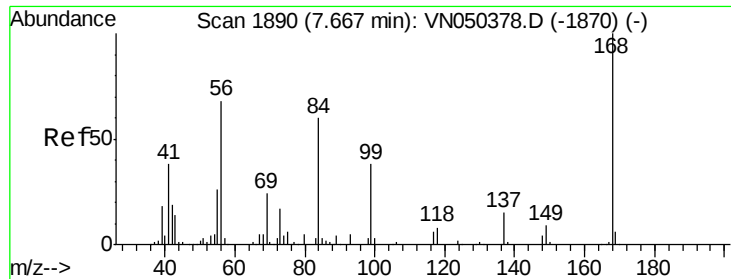
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050418.D
Acq On : 7 Aug 2018 6:21
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Sample : J4355-02
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

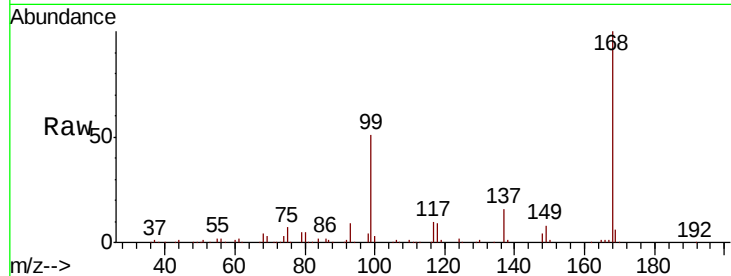
WC-SOIL

Tot Ion:168 Resp: 668024

Ion Ratio Lower Upper

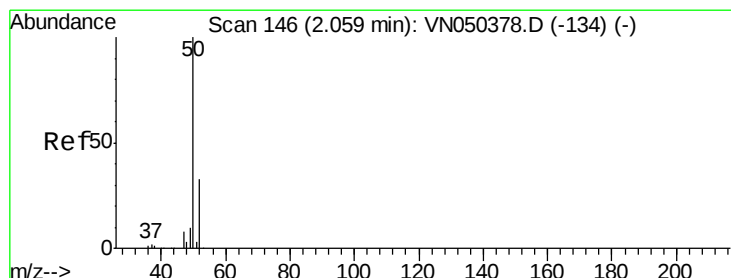
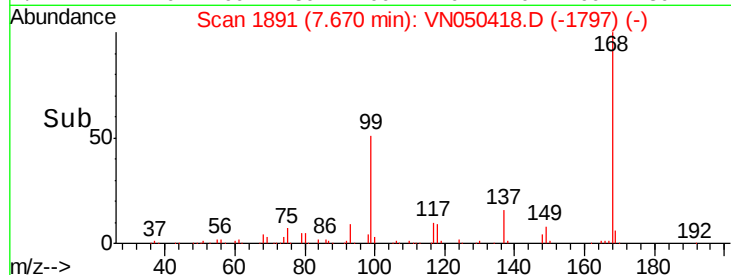
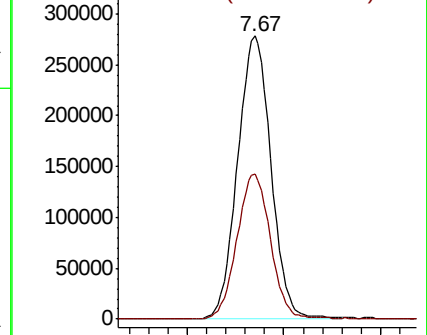
168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050418.D

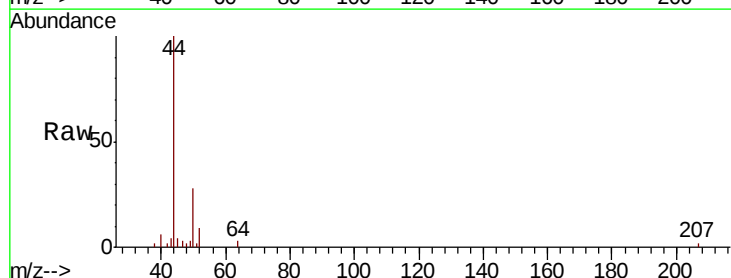
Acq: 7 Aug 2018 6:21

Tgt Ion: 50 Resp: 3719

Ion Ratio Lower Upper

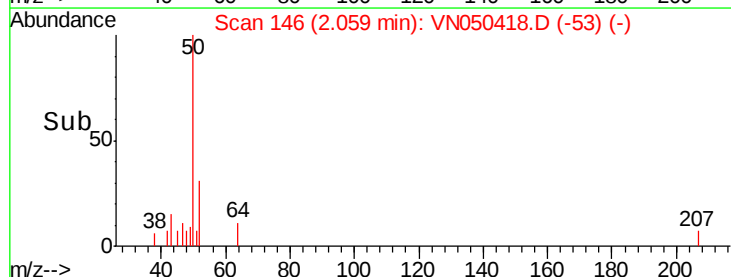
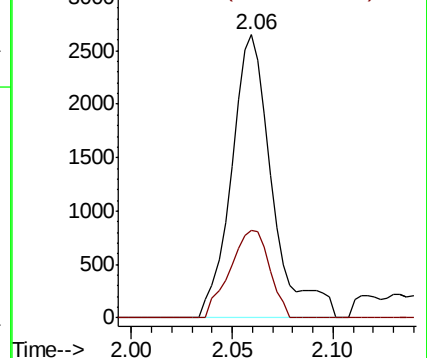
50 100

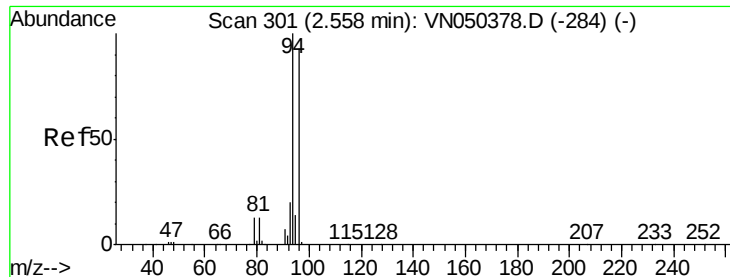
52 31.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 1.07 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

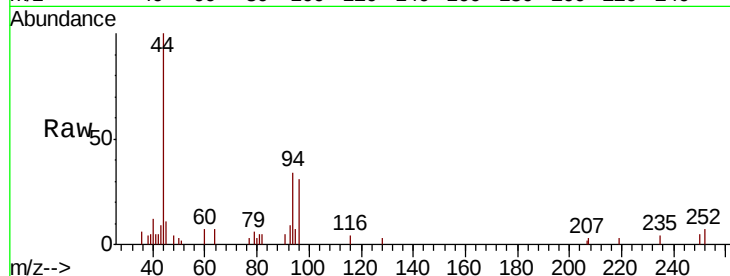
WC-SOIL

Tot Ion: 94 Resp: 4227

Ion Ratio Lower Upper

94 100

96 89.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2500

2000

1500

1000

500

0

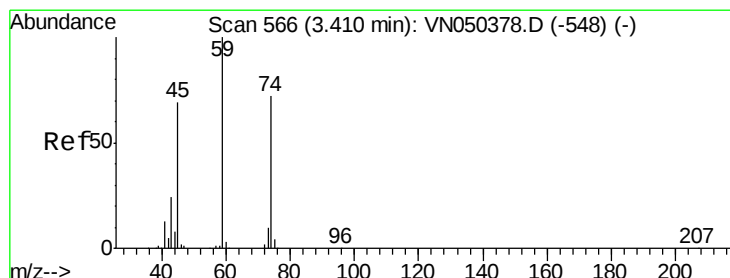
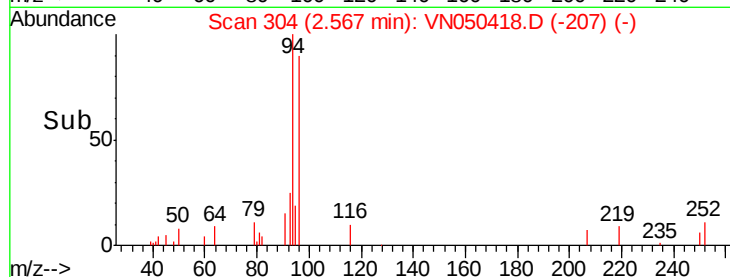
Time-->

2.50

2.55

2.57

2.60



#8

Diethyl Ether

Concen: 0.20 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050418.D

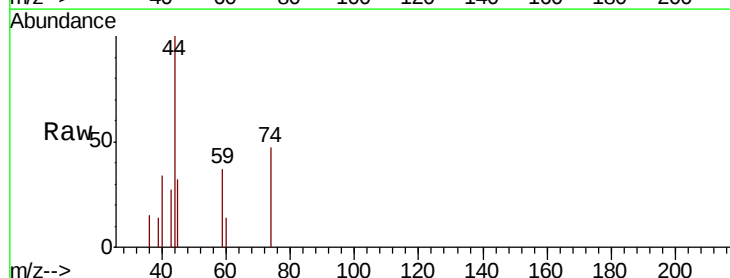
Acq: 7 Aug 2018 6:21

Tgt Ion: 74 Resp: 926

Ion Ratio Lower Upper

74 100

45 130.2 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

600

400

200

0

Time-->

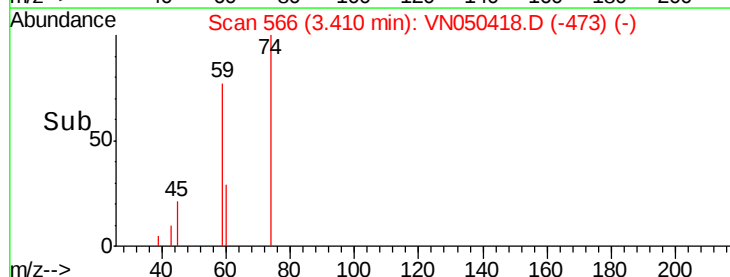
3.38

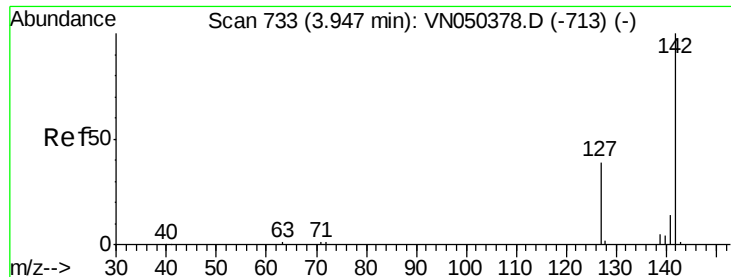
3.40

3.41

3.44

3.46

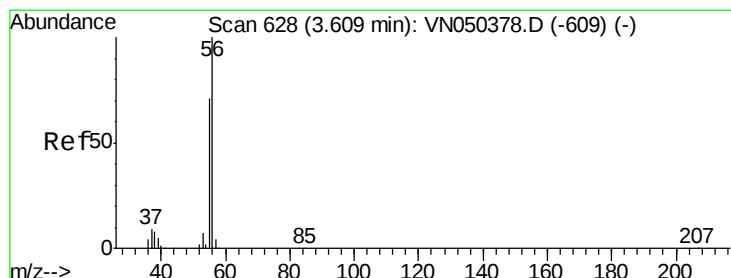
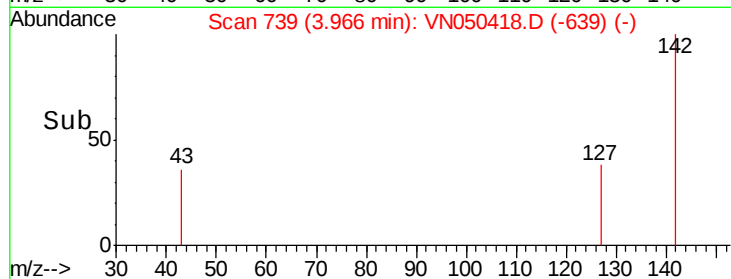
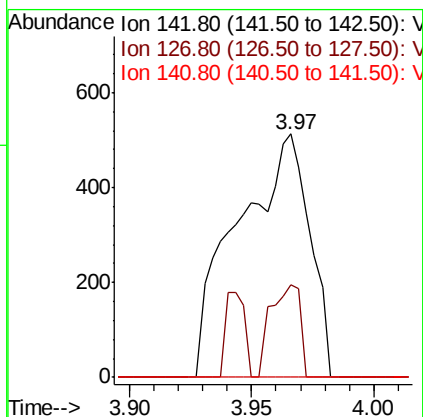
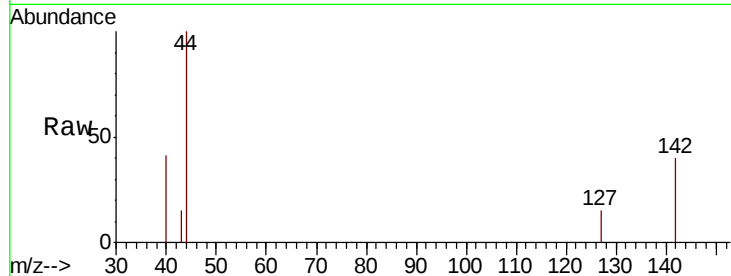




#10
Methvl Iodide
Concen: 0.31 ug/l
RT: 3.97 min Scan# 739
Delta R.T. 0.02 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

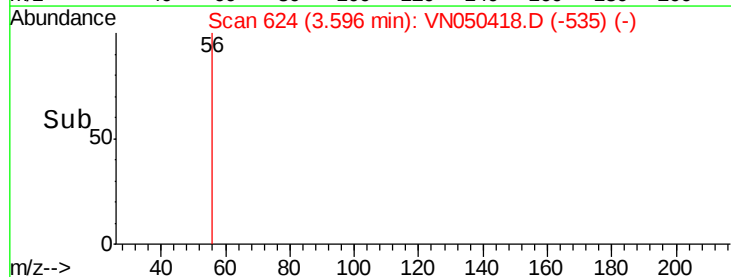
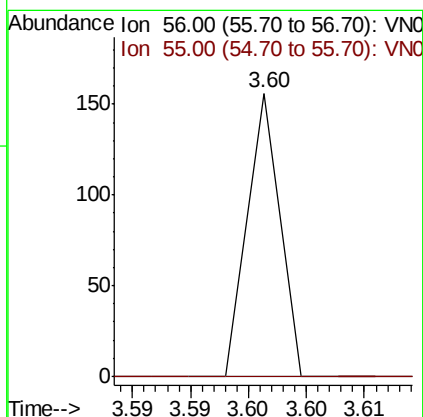
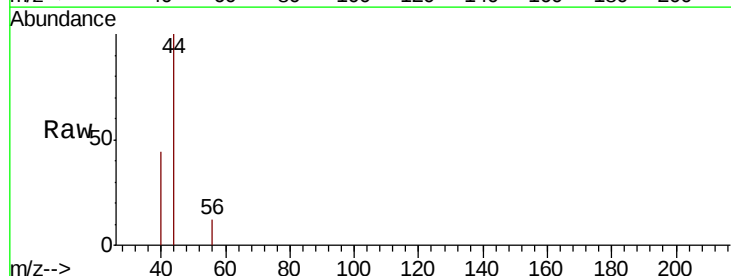
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL

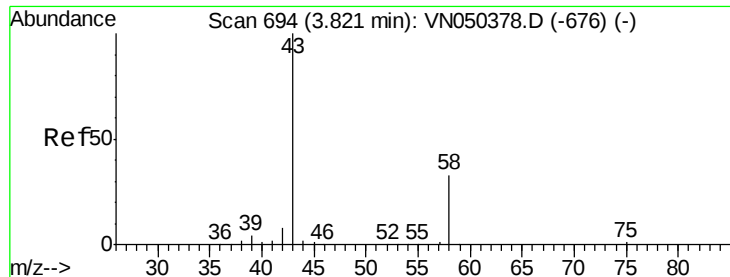
Tot Ion:142 Resp: 1048
Ion Ratio Lower Upper
142 100
127 15.7 33.4 50.2#
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 15.06 ug/l
RT: 3.60 min Scan# 624
Delta R.T. -0.01 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#





#16

Acetone

Concen: 6.34 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

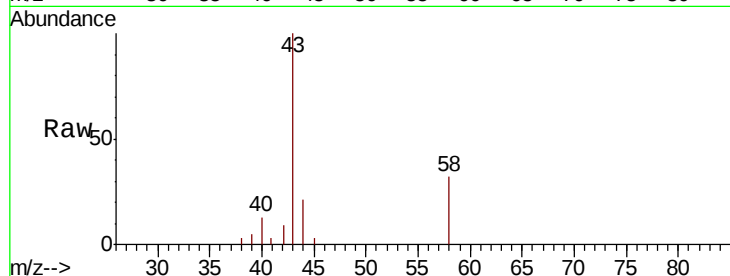
WC-SOIL

Tot Ion: 43 Resp: 17821

Ion Ratio Lower Upper

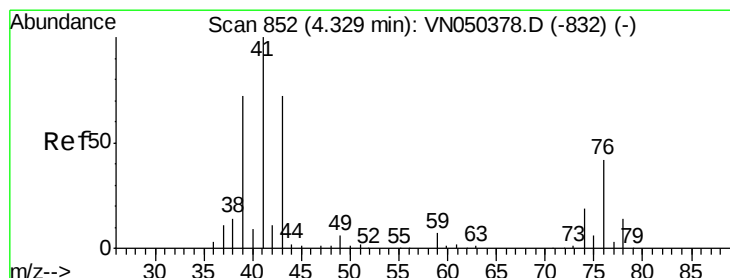
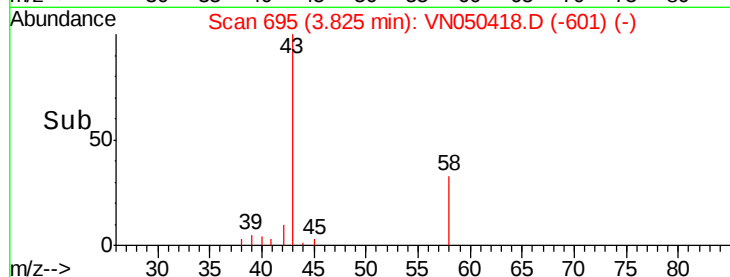
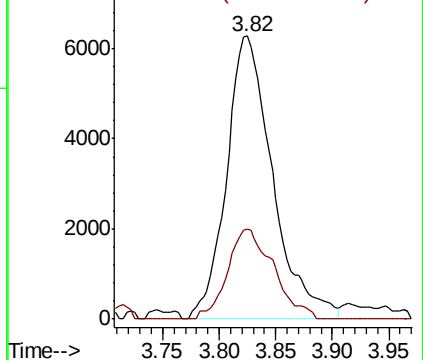
43 100

58 31.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.05 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050418.D

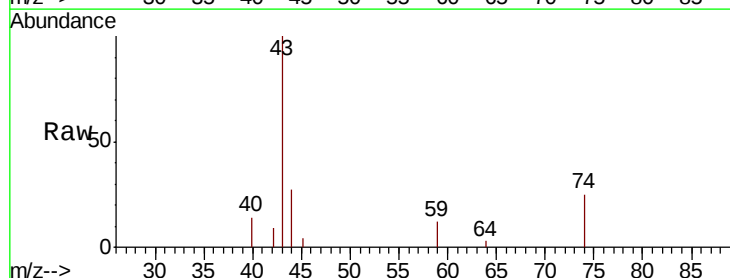
Acq: 7 Aug 2018 6:21

Tgt Ion: 43 Resp: 15488

Ion Ratio Lower Upper

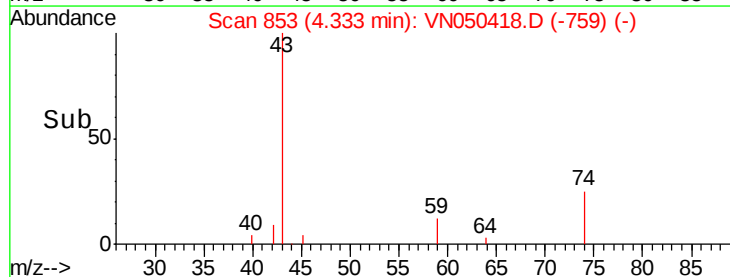
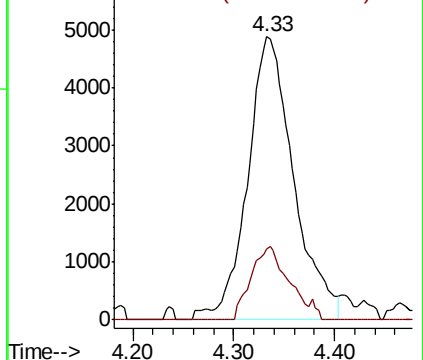
43 100

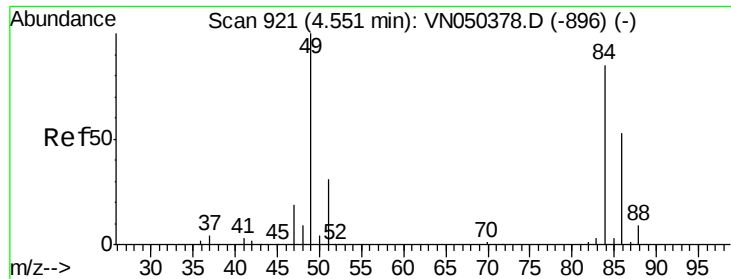
74 20.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

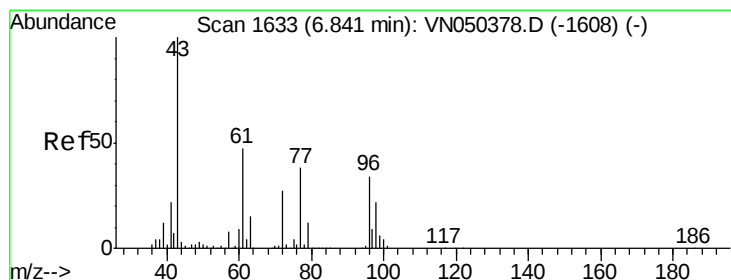
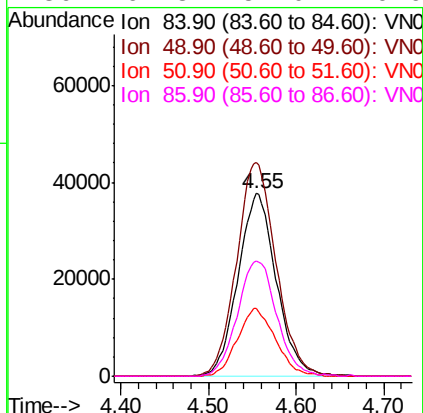
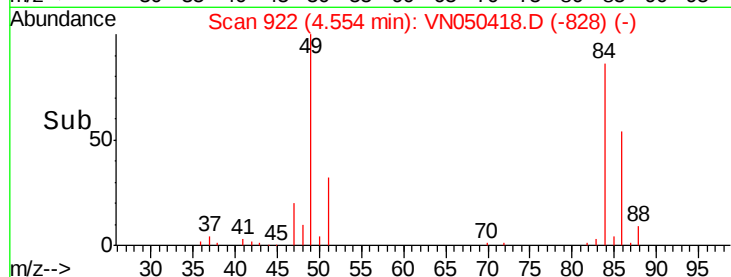
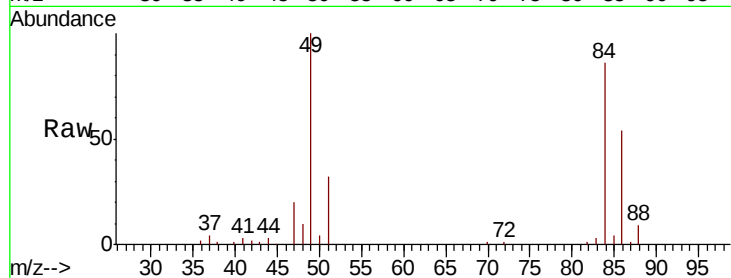




#20
Methvlene Chloride
Concen: 12.96 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

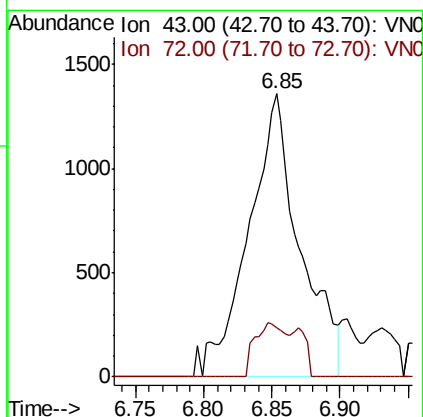
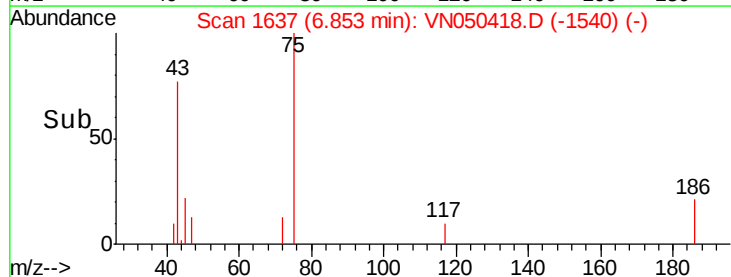
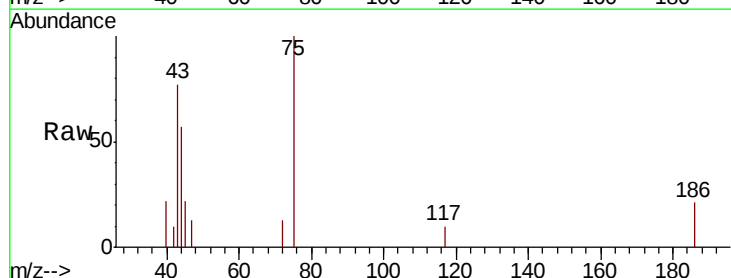
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL

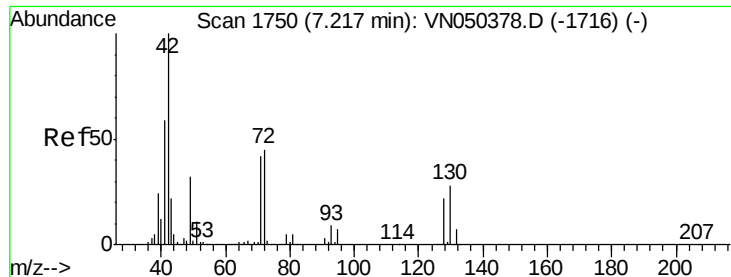
Tot Ion: 84 Resp: 114815
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 36.9 28.3 42.5
86 62.8 51.0 76.6



#25
2-Butanone
Concen: 0.80 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion: 43 Resp: 3546
Ion Ratio Lower Upper
43 100
72 17.5 21.5 32.3#





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

WC-SOIL

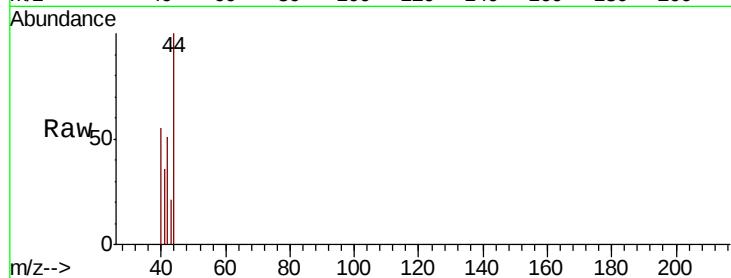
Tot Ion: 42 Resp: 1037

Ion Ratio Lower Upper

42 100

72 12.3 35.9 53.9#

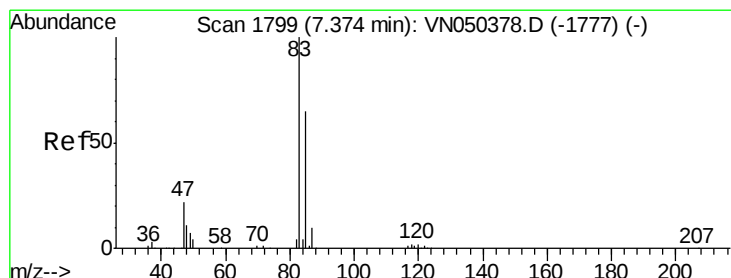
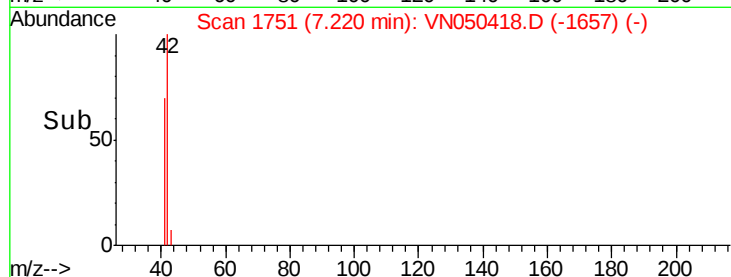
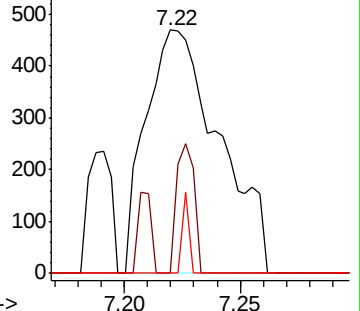
71 2.9 33.7 50.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.25 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050418.D

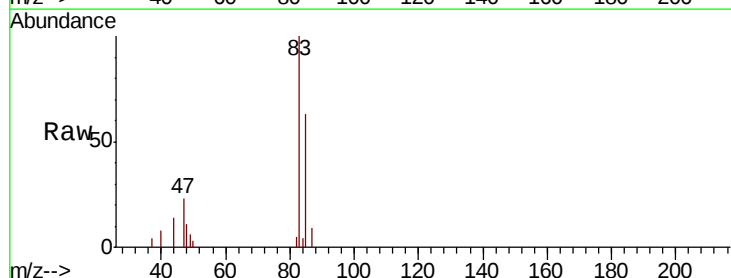
Acq: 7 Aug 2018 6:21

Tgt Ion: 83 Resp: 18188

Ion Ratio Lower Upper

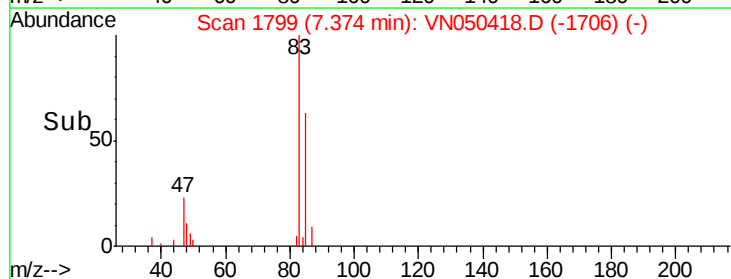
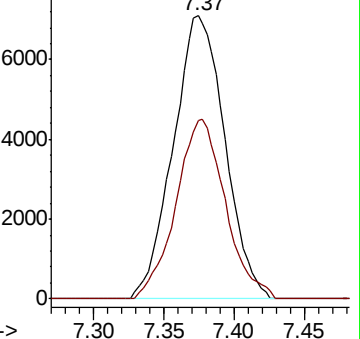
83 100

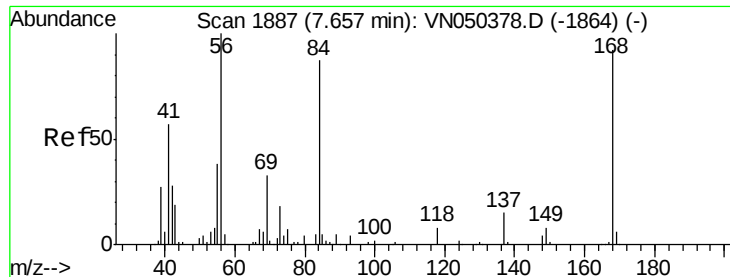
85 63.0 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

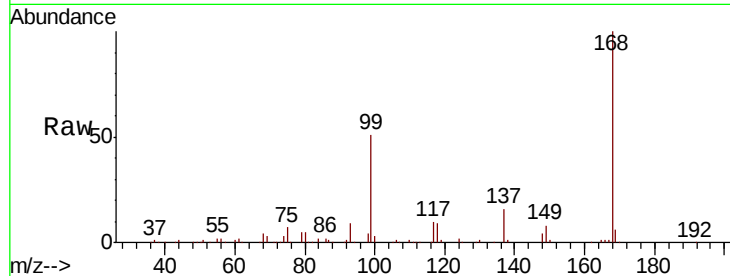




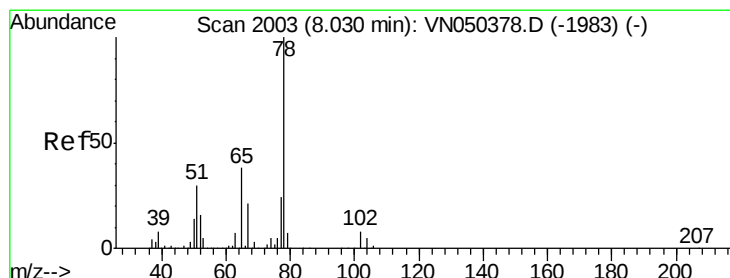
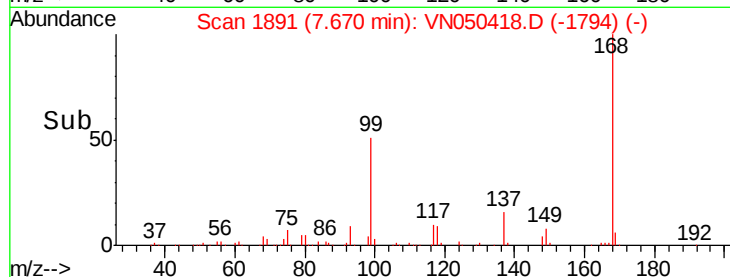
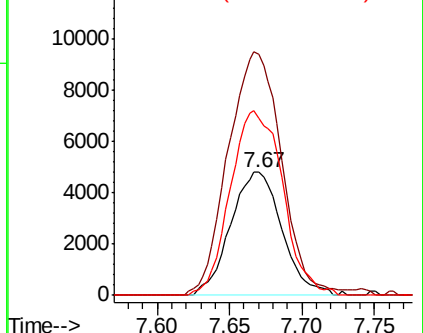
#31
Cvclohexane
Concen: 0.30 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Instrument :
MSVOA_N
ClientSampled :
WC-SOIL

Tot Ion: 56 Resp: 11823
Ion Ratio Lower Upper
56 100
69 191.7 26.2 39.4#
84 143.4 67.4 101.0#

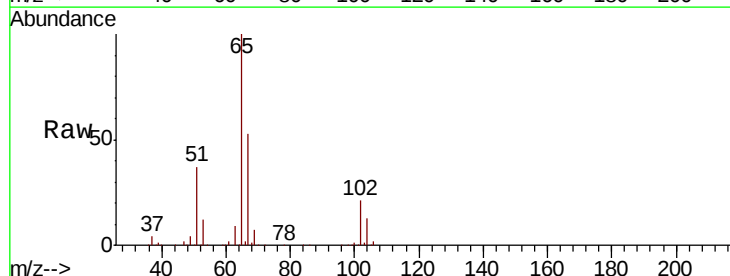


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

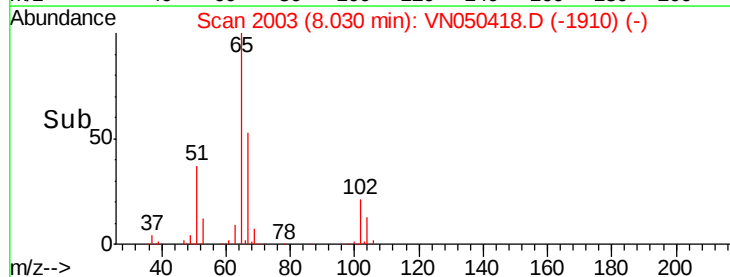
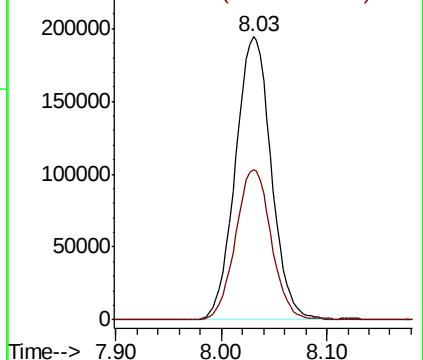


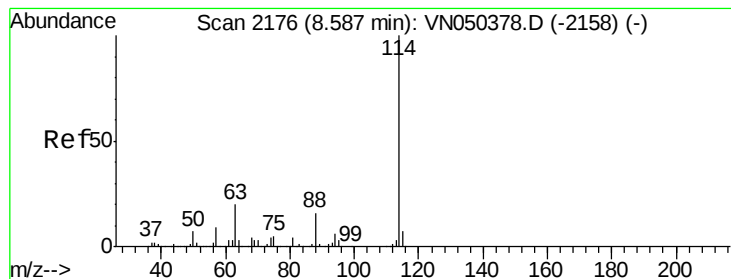
#33
1,2-Dichloroethane-d4
Concen: 51.44 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. -0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion: 65 Resp: 459132
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampleId :

WC-SOIL

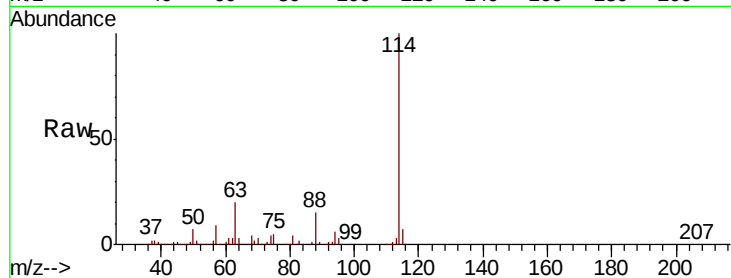
Tot Ion:114 Resp: 1091747

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

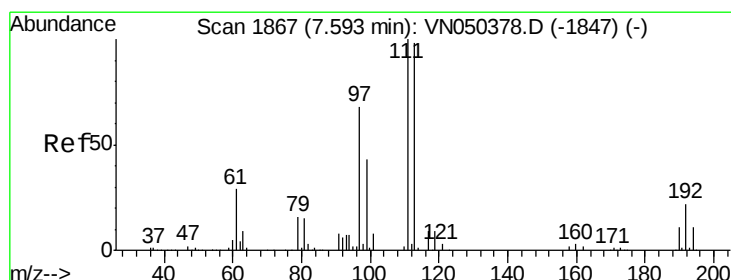
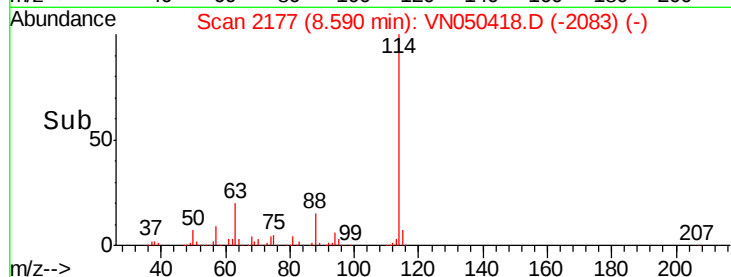
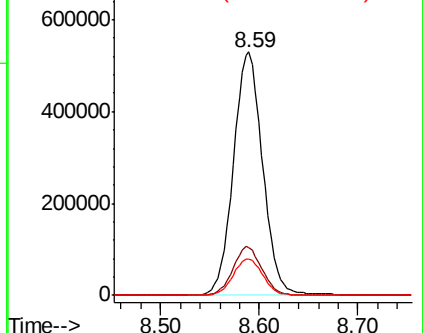
88 15.1 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.75 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

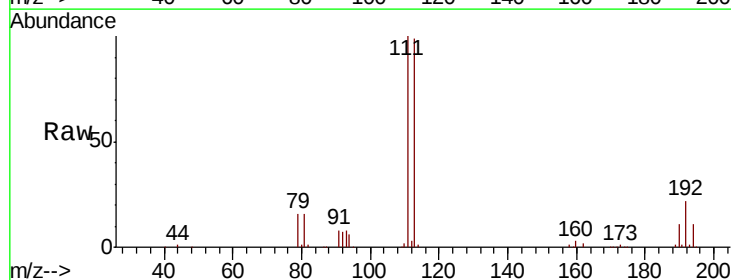
Tgt Ion:113 Resp: 418274

Ion Ratio Lower Upper

113 100

111 103.0 80.7 121.1

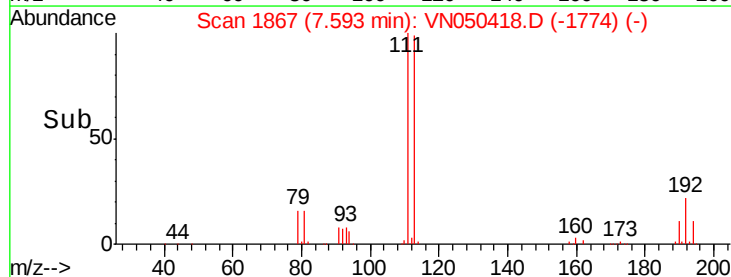
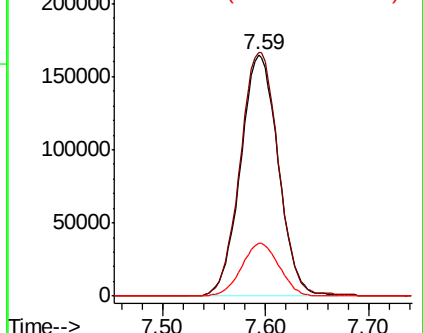
192 22.0 17.8 26.6

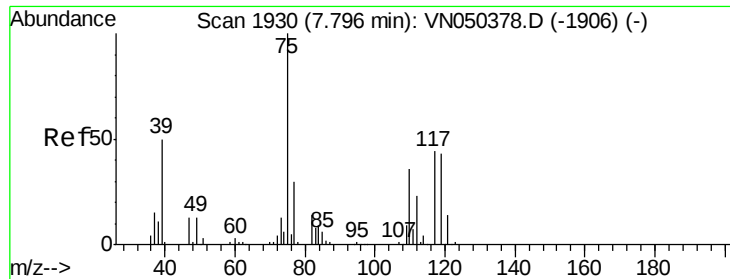


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

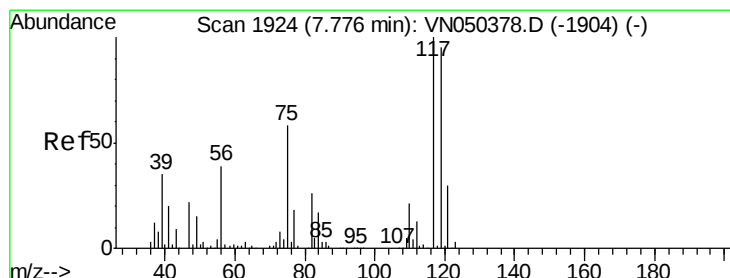
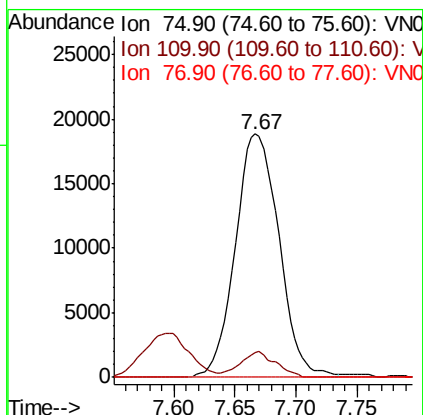
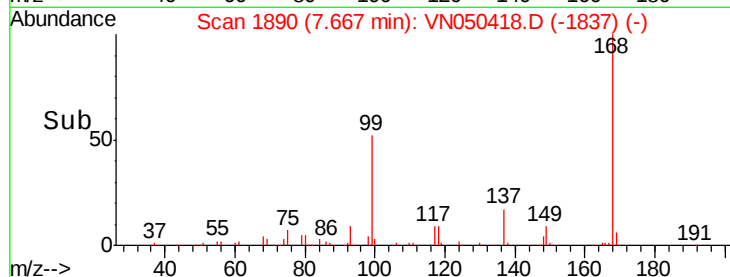
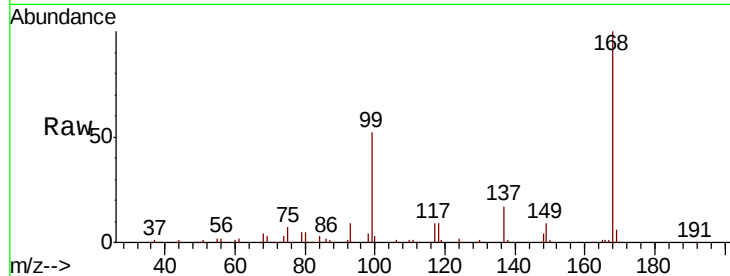




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050418.D
 Acq: 7 Aug 2018 6:21

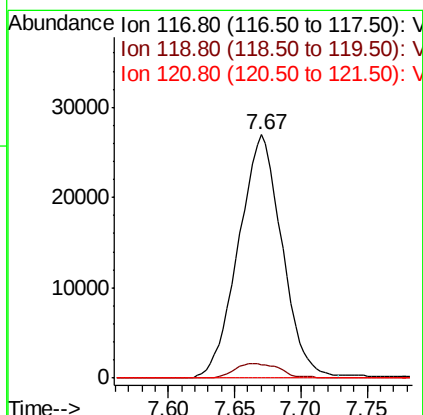
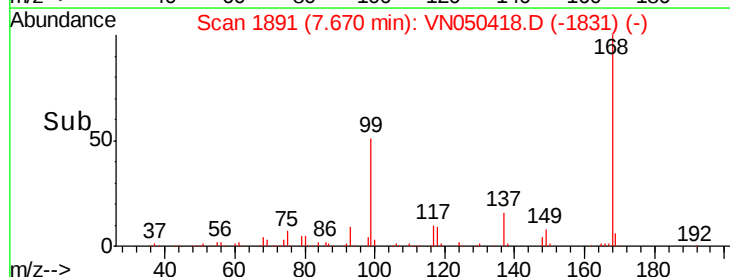
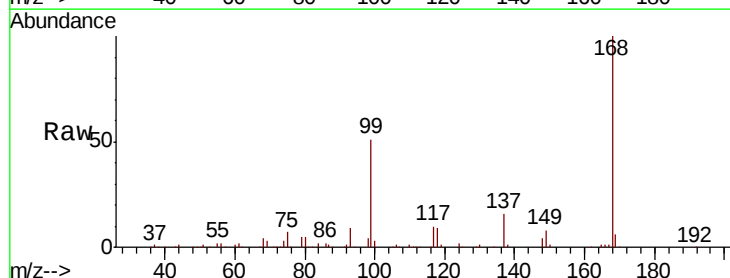
Instrument :
 MSVOA_N
 ClientSampled :
 WC-SOIL

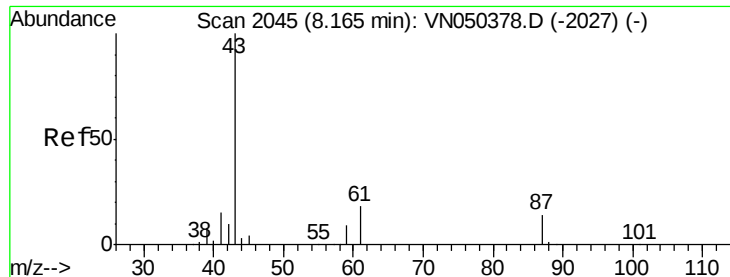
Tot Ion: 75 Resp: 46621
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050418.D
 Acq: 7 Aug 2018 6:21

Tgt Ion: 117 Resp: 61549
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.4 116.0#
 121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 18.01 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampleId :

WC-SOIL

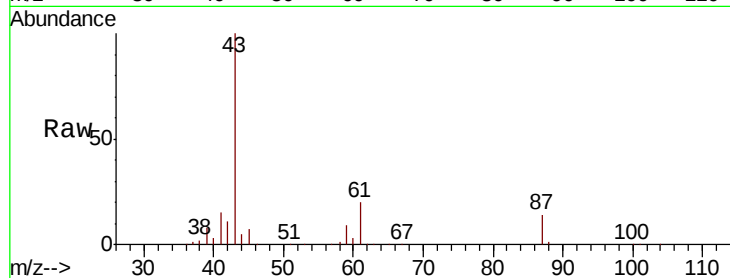
Tot Ion: 43 Resp: 268578

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.6

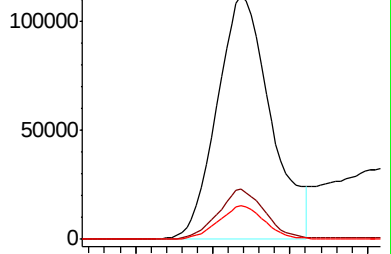
87 12.1 10.3 15.5



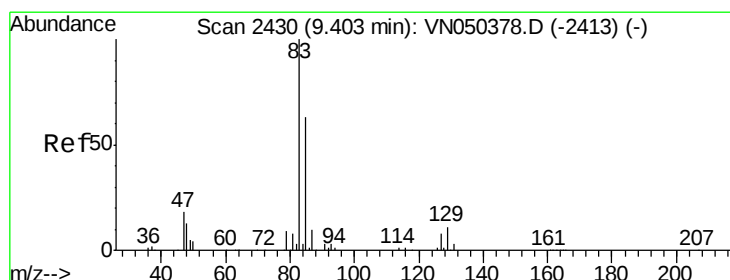
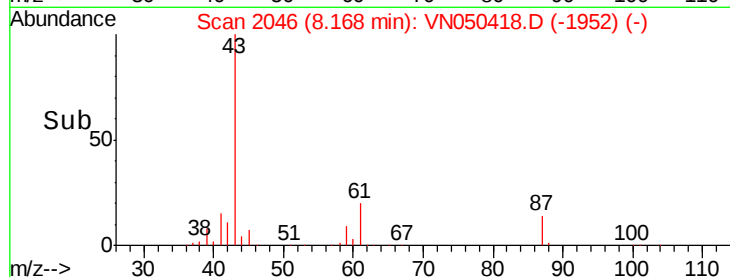
Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



Time-->



#47

Bromodichloromethane

Concen: 0.38 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

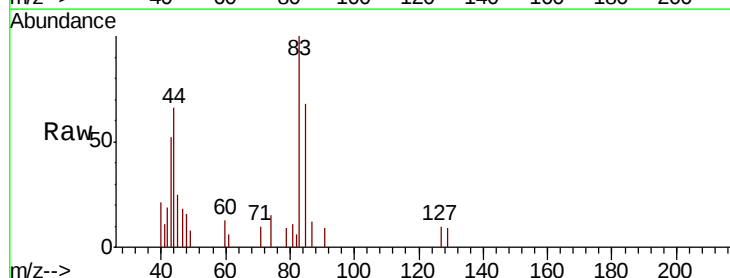
Tgt Ion: 83 Resp: 4709

Ion Ratio Lower Upper

83 100

85 67.9 51.1 76.7

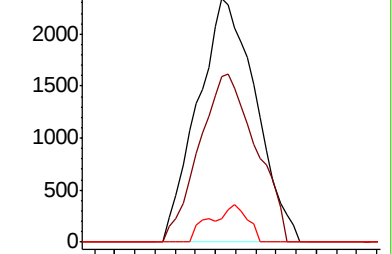
127 9.5 7.0 10.4



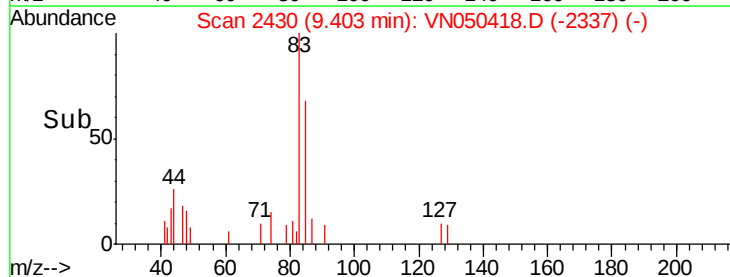
Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-2413) (-)

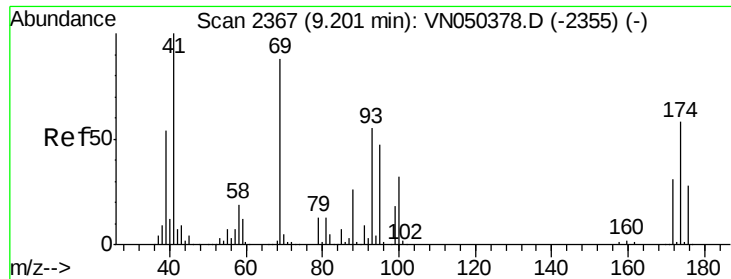
Ion 84.90 (84.60 to 85.60): VN050378.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050378.D (-2413) (-)



Time-->

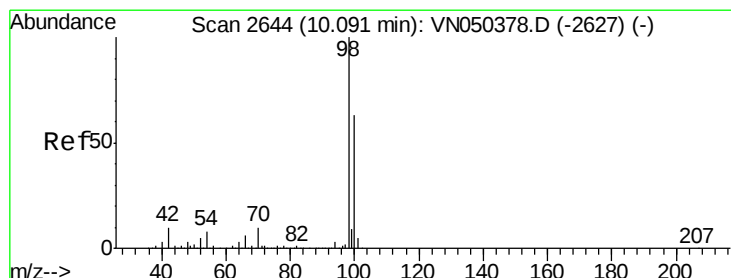
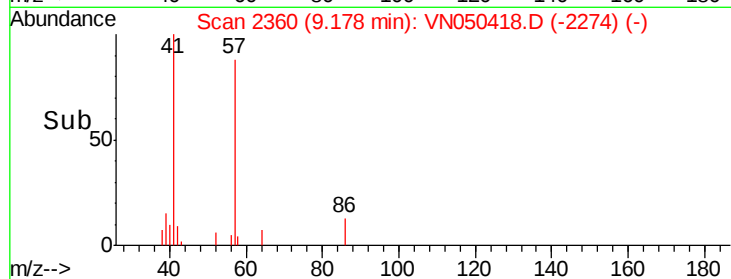
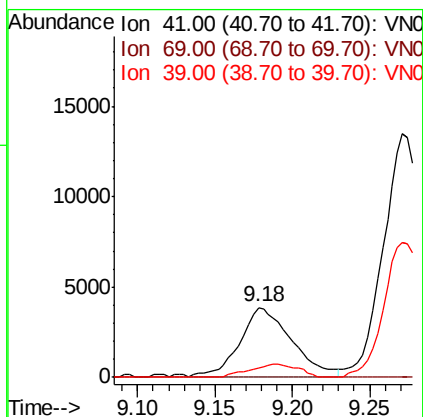
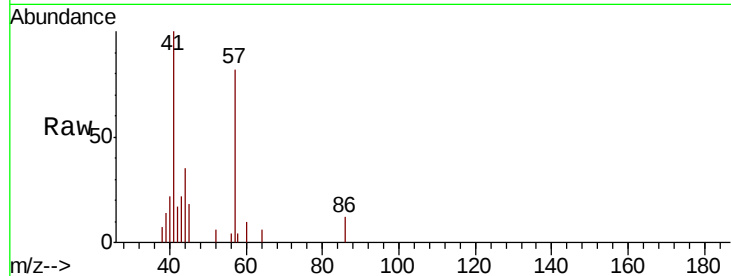




#48
Methvl methacrylate
Concen: 1.21 ug/l
RT: 9.18 min Scan# 2360
Delta R.T. -0.02 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

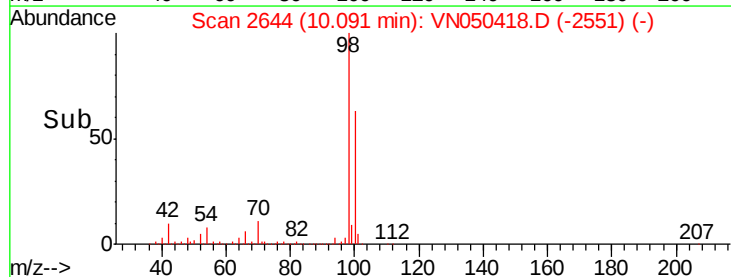
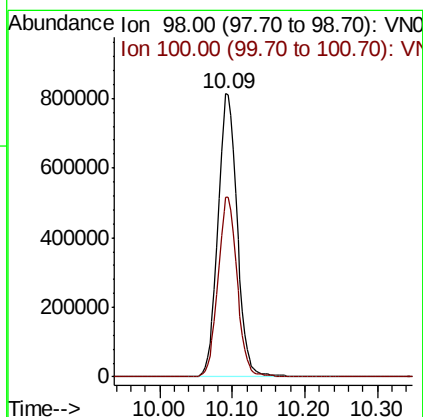
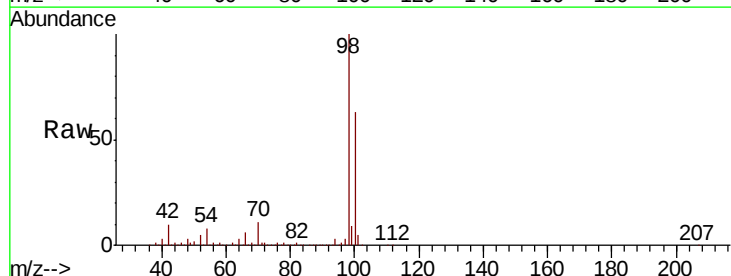
Instrument :
MSVOA_N
ClientSampled :
WC-SOIL

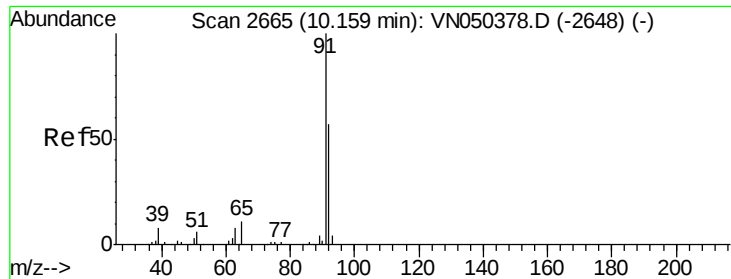
Tot Ion: 41 Resp: 9039
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 18.0 43.9 65.9#



#50
Toluene-d8
Concen: 45.43 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion: 98 Resp: 1496323
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1





#52

Toluene

Concen: 0.31 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

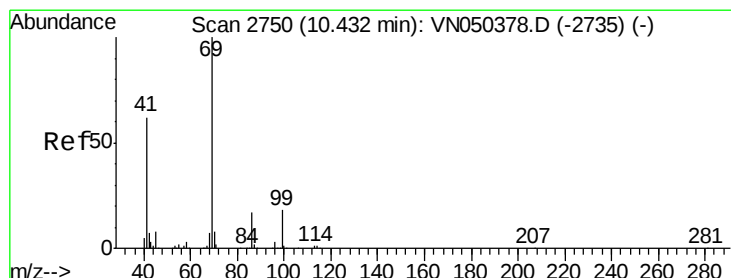
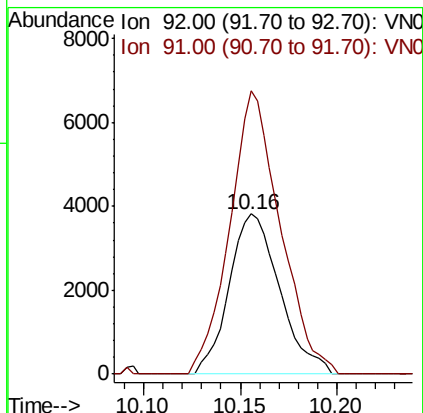
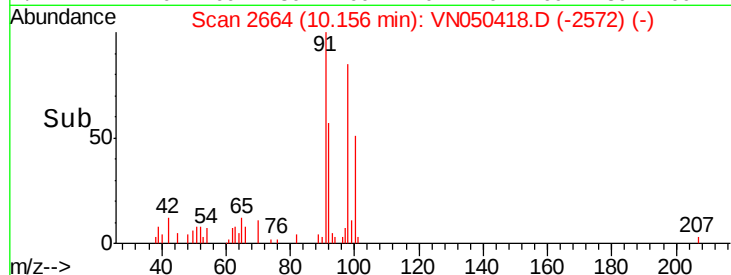
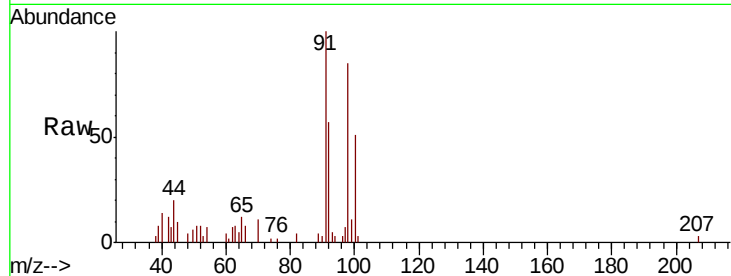
WC-SOIL

Tot Ion: 92 Resp: 6927

Ion Ratio Lower Upper

92 100

91 176.3 140.3 210.5



#56

Ethyl methacrylate

Concen: 1.77 ug/l

RT: 10.64 min Scan# 2816

Delta R.T. 0.21 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

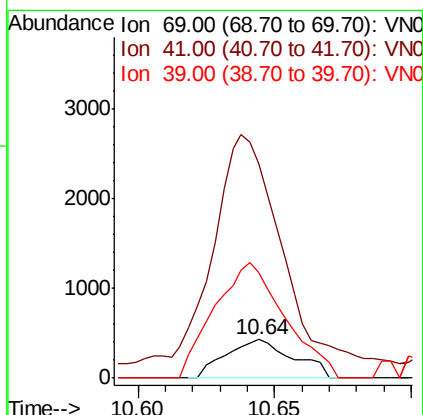
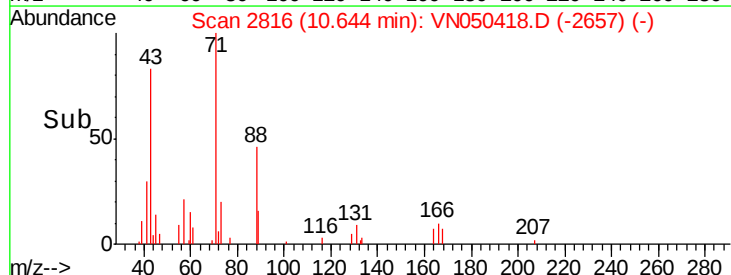
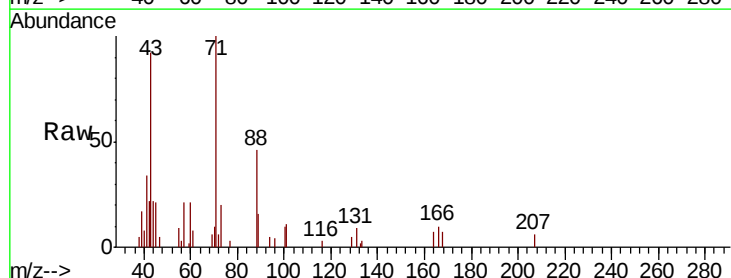
Tgt Ion: 69 Resp: 732

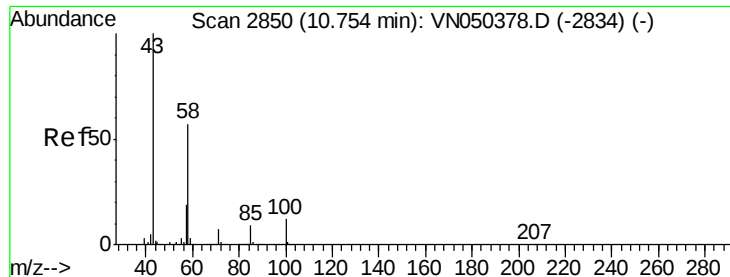
Ion Ratio Lower Upper

69 100

41 733.1 51.0 76.4#

39 314.8 26.6 40.0#





#59

2-Hexanone

Concen: 2.61 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

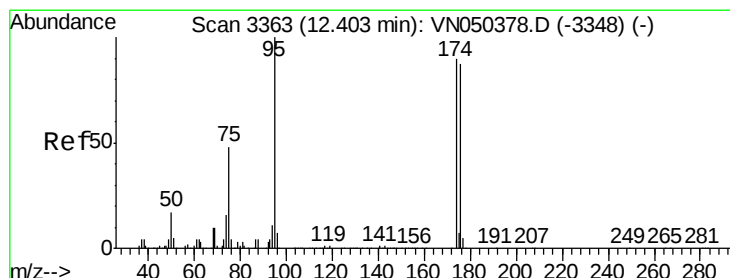
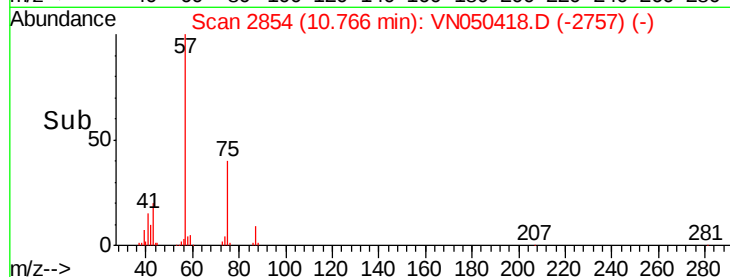
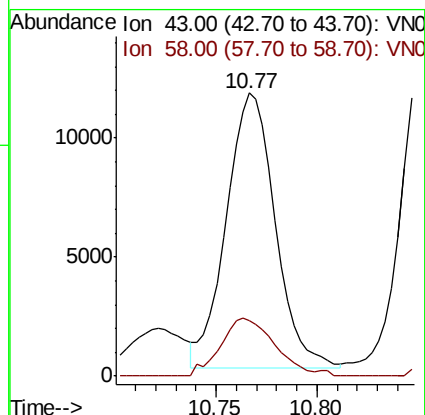
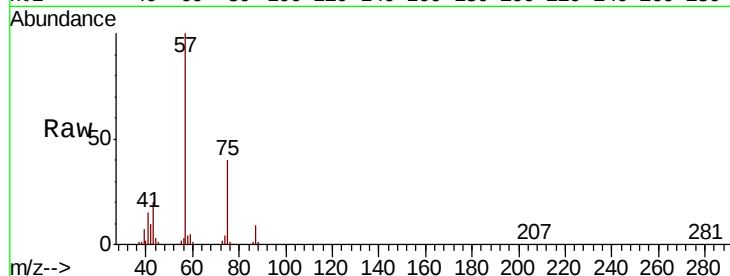
WC-SOIL

Tot Ion: 43 Resp: 19526

Ion Ratio Lower Upper

43 100

58 23.5 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

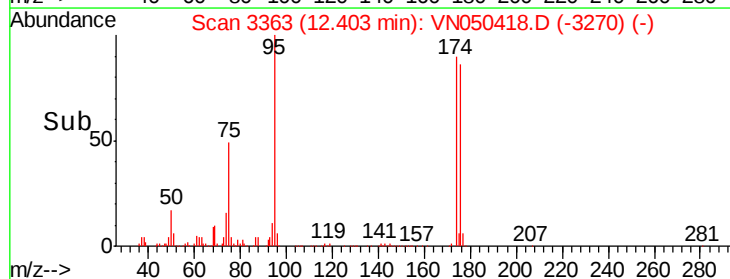
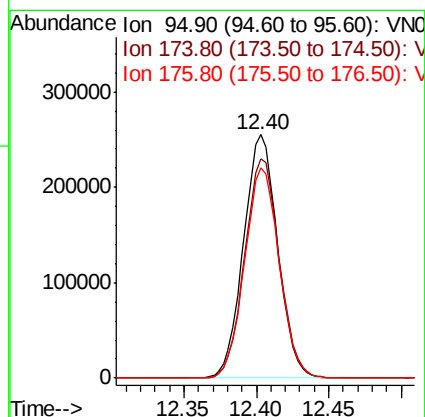
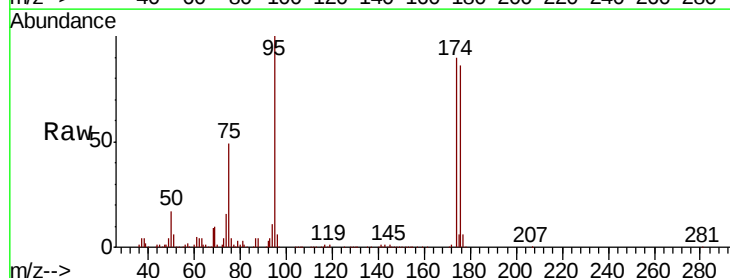
Tgt Ion: 95 Resp: 418373

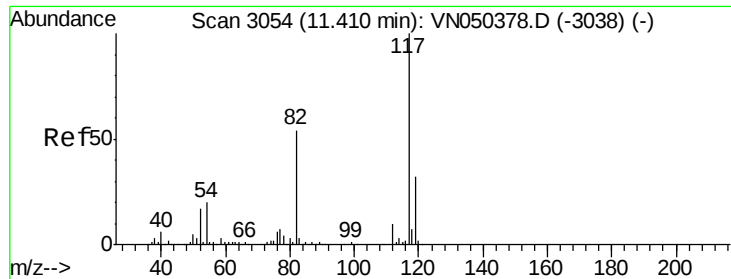
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 87.7 0.0 173.4

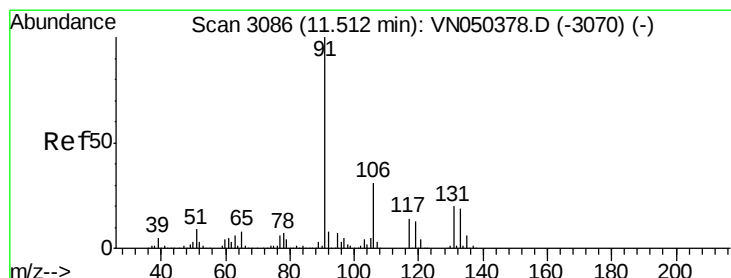
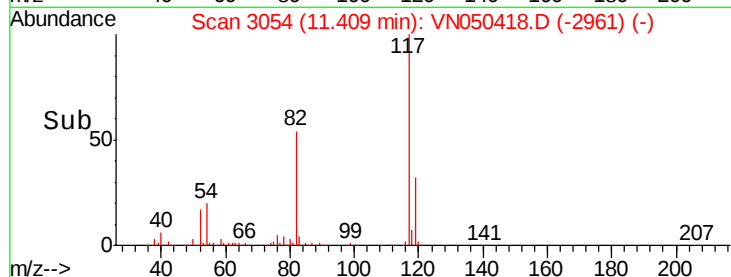
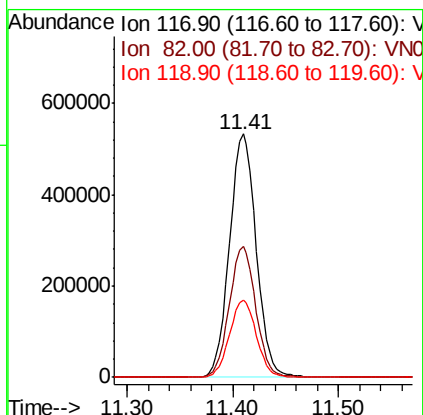
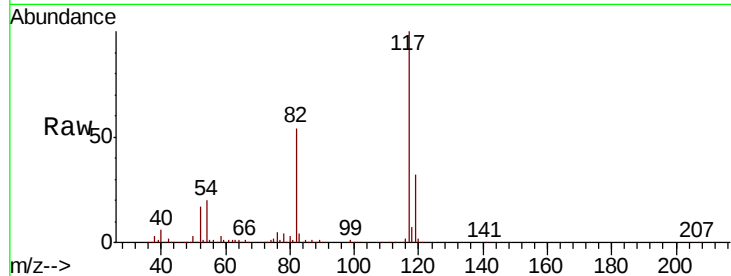




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

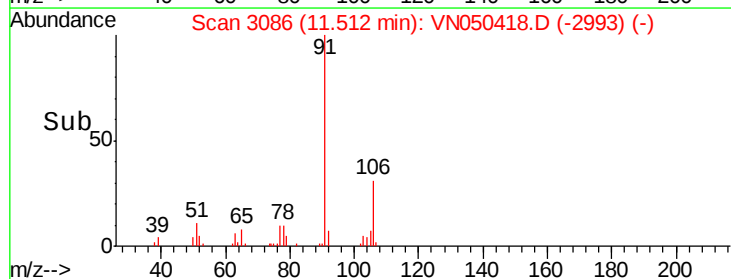
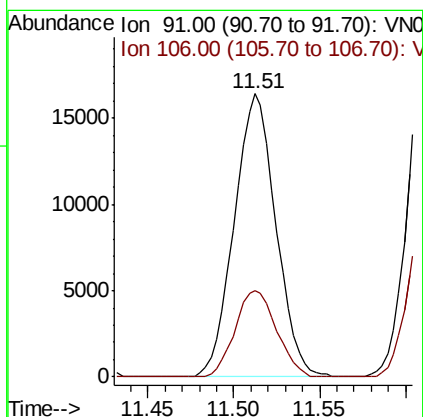
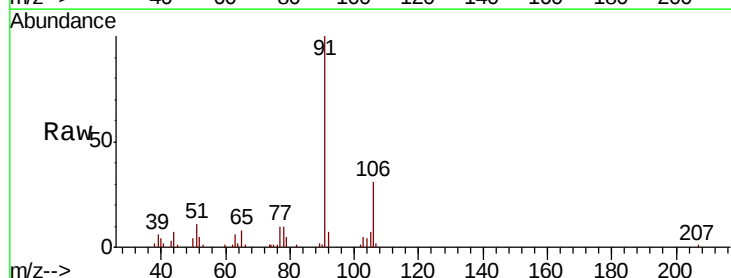
Instrument :
MSVOA_N
ClientSampled :
WC-SOIL

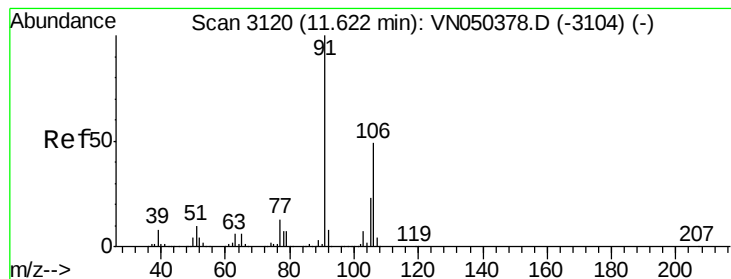
Tot Ion:117 Resp: 932170
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 31.9 26.1 39.1



#67
Ethyl Benzene
Concen: 0.73 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion: 91 Resp: 27552
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4





#68

m/p-Xylenes

Concen: 2.01 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

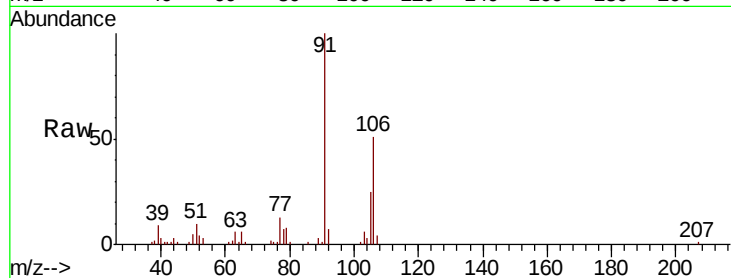
WC-SOIL

Tot Ion:106 Resp: 28844

Ion Ratio Lower Upper

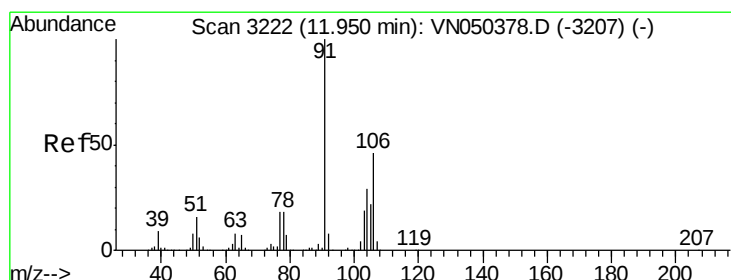
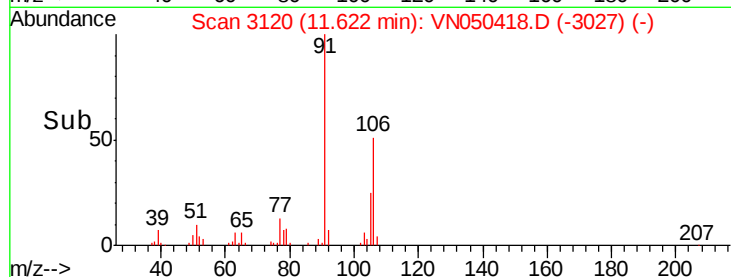
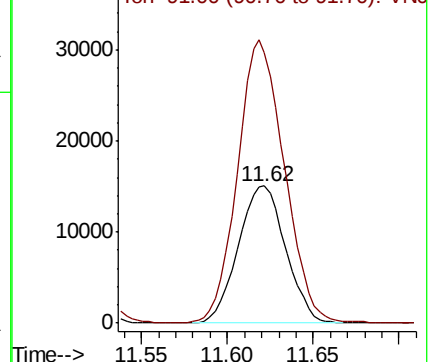
106 100

91 204.1 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.62 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050418.D

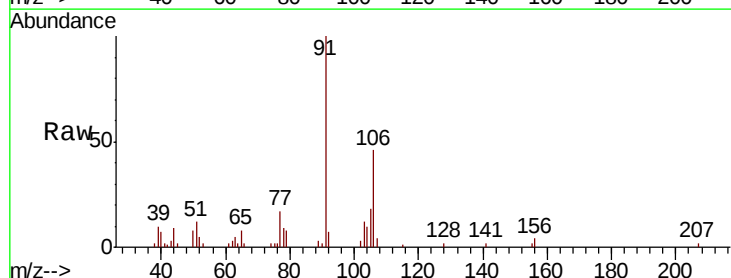
Acq: 7 Aug 2018 6:21

Tgt Ion:106 Resp: 8655

Ion Ratio Lower Upper

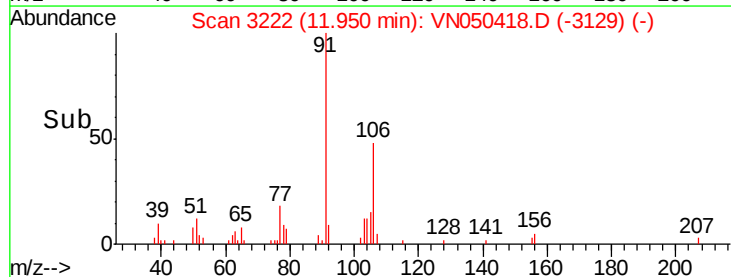
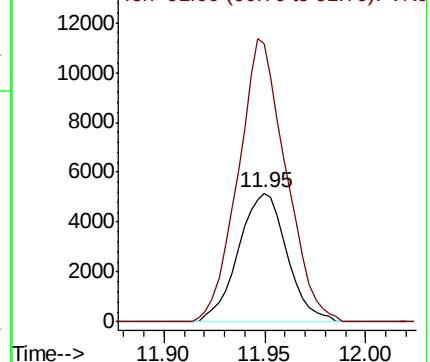
106 100

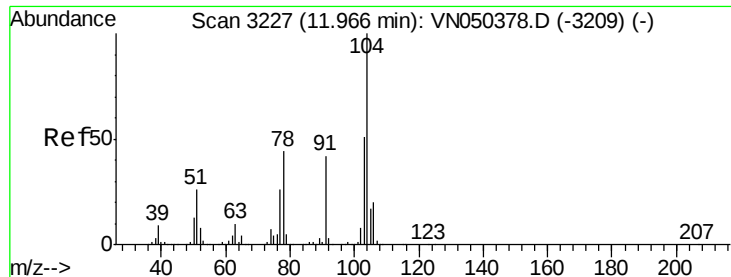
91 216.5 107.7 323.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

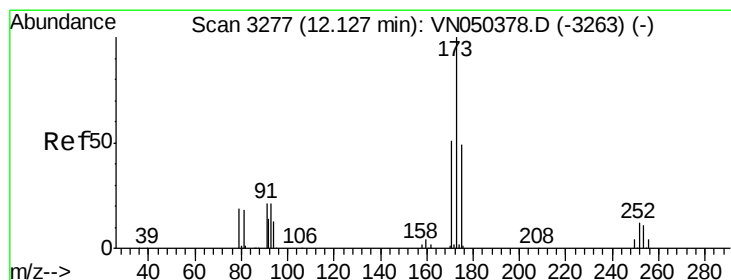
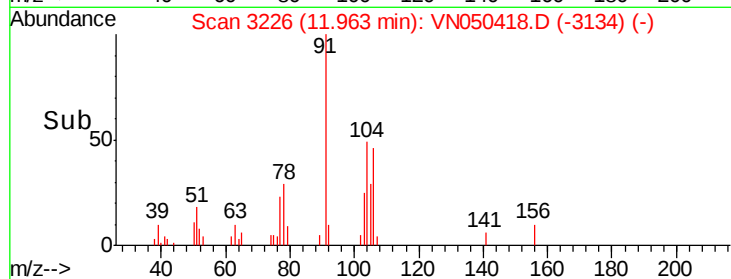
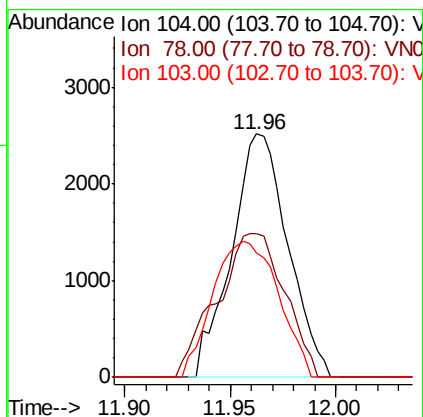
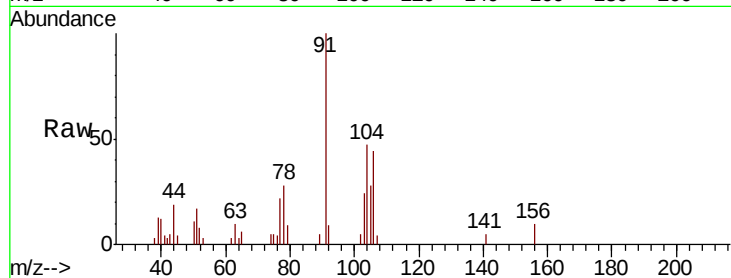




#70
Stvrene
Concen: 0.21 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

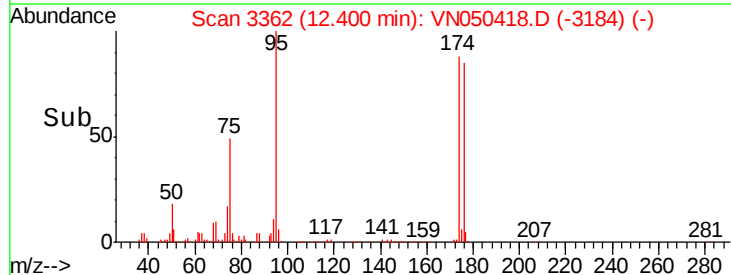
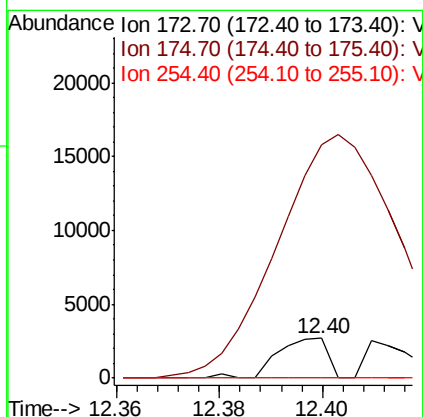
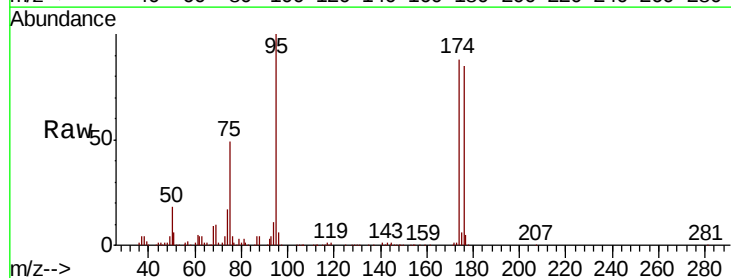
Instrument :
MSVOA_N
ClientSampled :
WC-SOIL

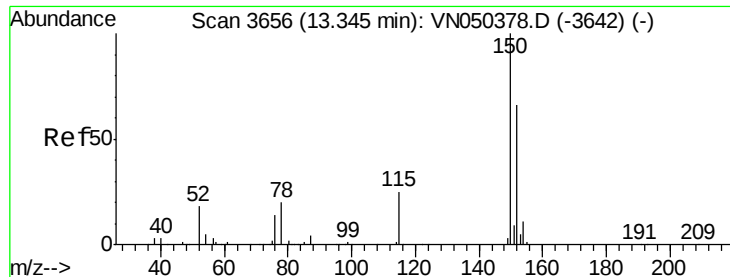
Tot Ion:104 Resp: 4669
Ion Ratio Lower Upper
104 100
78 70.8 39.3 58.9#
103 65.0 45.0 67.6



#71
Bromoform
Concen: 0.29 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN050418.D
Acq: 7 Aug 2018 6:21

Tgt Ion:173 Resp: 1777
Ion Ratio Lower Upper
173 100
175 1276.1 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

WC-SOIL

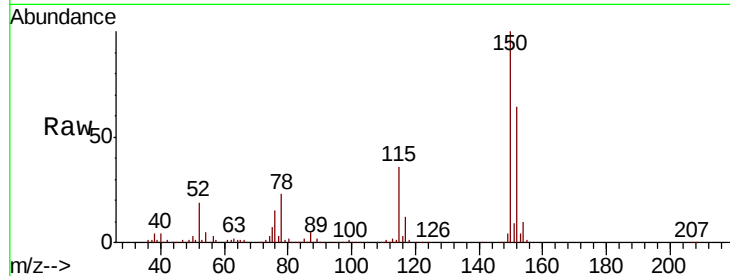
Tot Ion:152 Resp: 352445

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.3

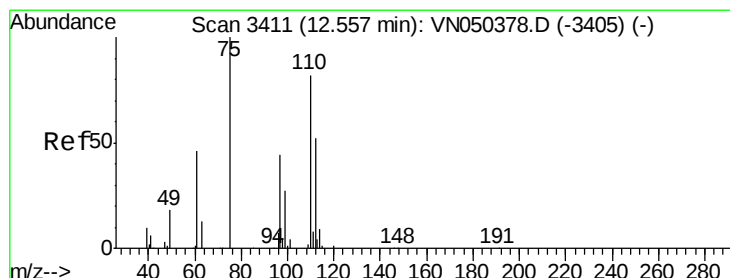
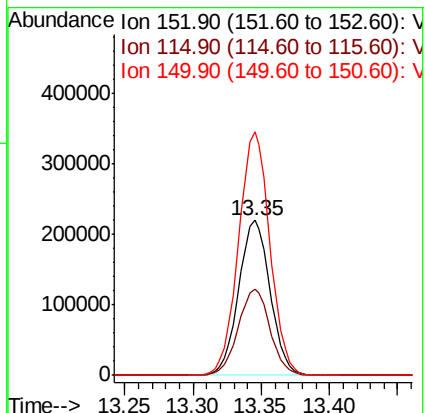
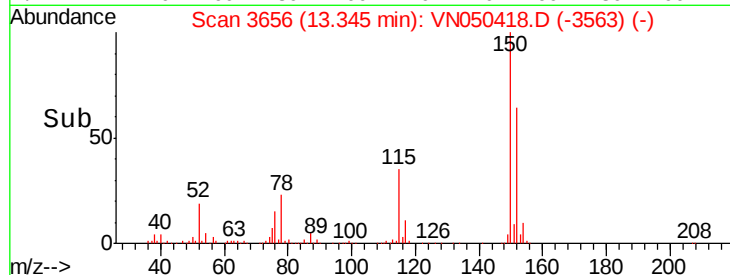
150 156.0 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 32.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050418.D

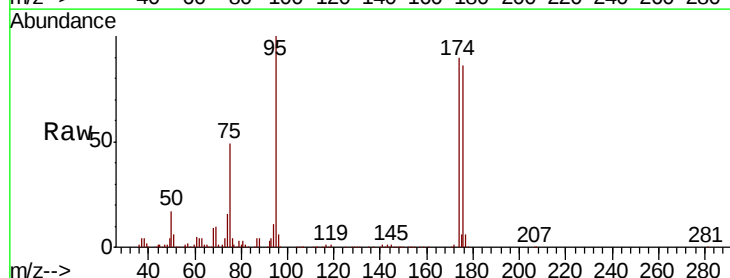
Acq: 7 Aug 2018 6:21

Tgt Ion: 75 Resp: 204563

Ion Ratio Lower Upper

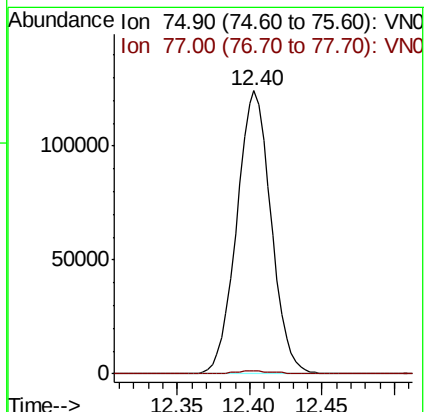
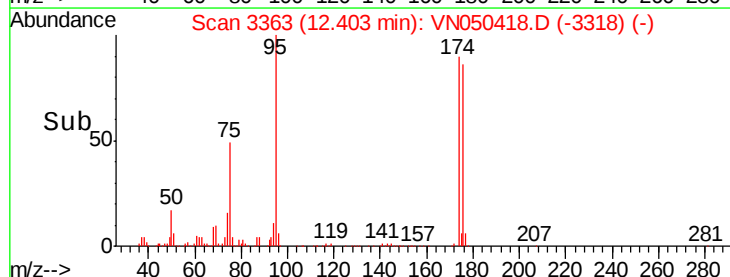
75 100

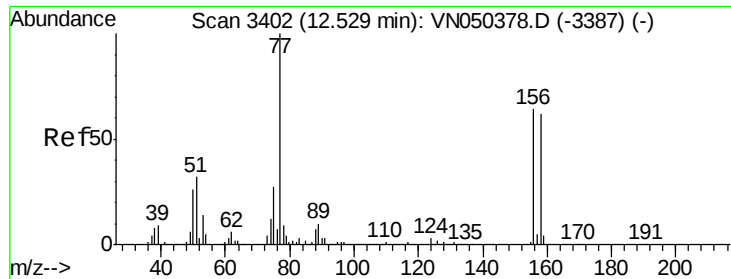
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.74 ug/l

RT: 12.54 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampled :

WC-SOIL

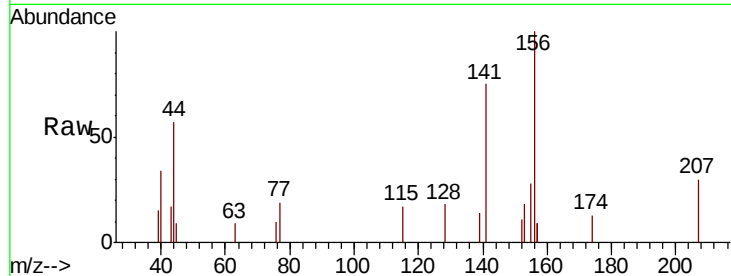
Tot Ion:156 Resp: 5240

Ion Ratio Lower Upper

156 100

77 9.7 91.7 275.1#

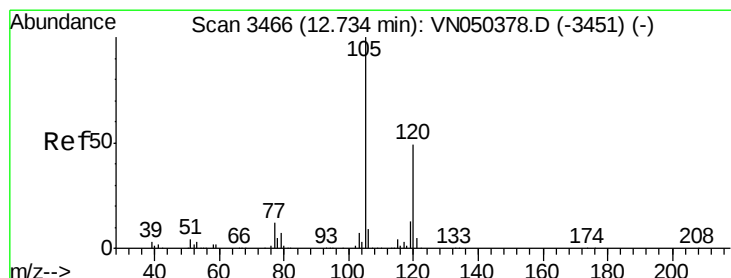
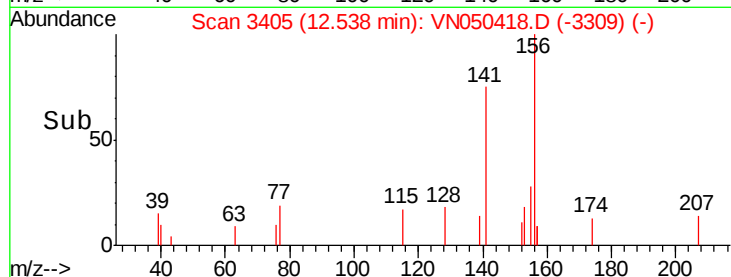
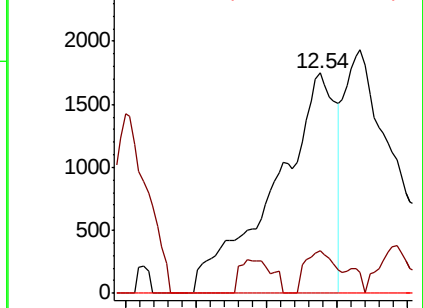
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.51 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050418.D

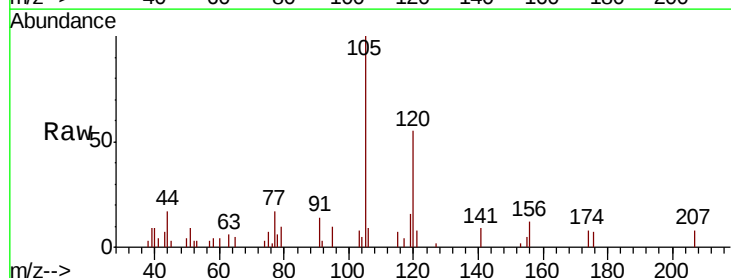
Acq: 7 Aug 2018 6:21

Tgt Ion:105 Resp: 10885

Ion Ratio Lower Upper

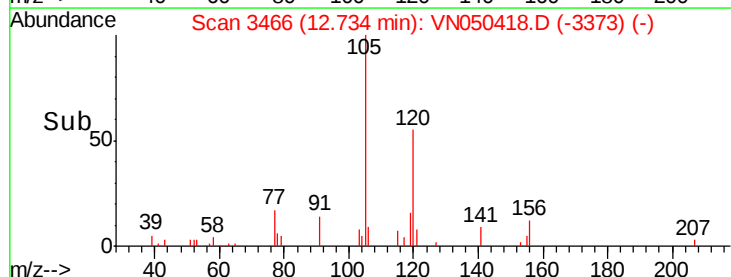
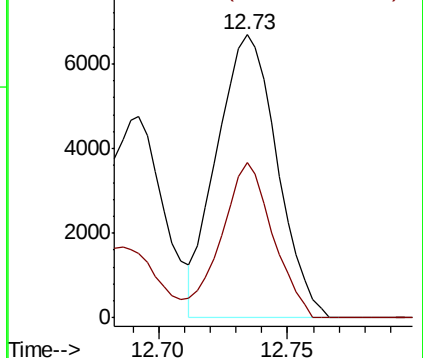
105 100

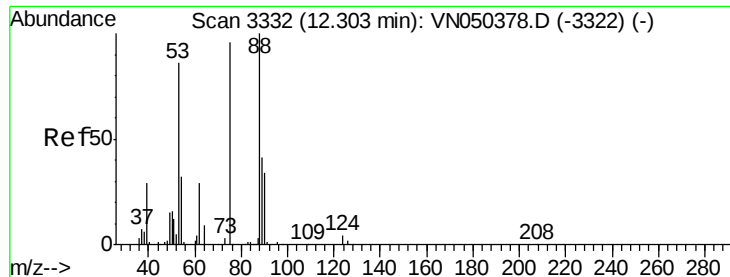
120 47.2 24.4 73.2



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: 112.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampleId :

WC-SOIL

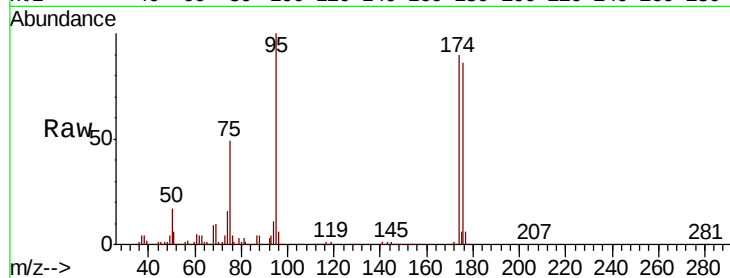
Tot Ion: 75 Resp: 204563

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

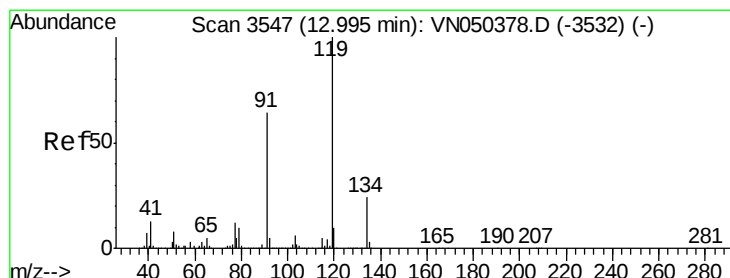
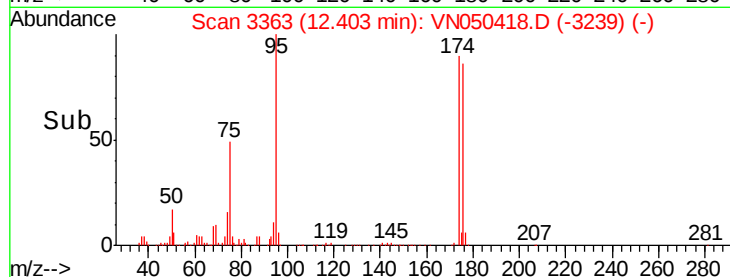
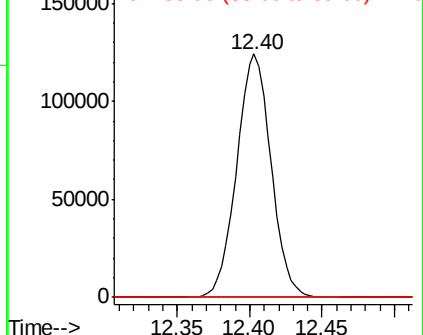
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: 0.23 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.04 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

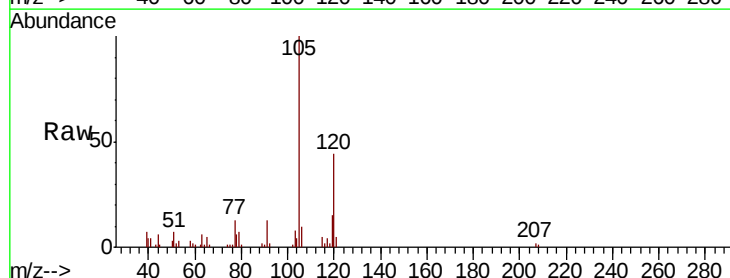
Tgt Ion: 119 Resp: 4240

Ion Ratio Lower Upper

119 100

91 81.8 32.1 96.3

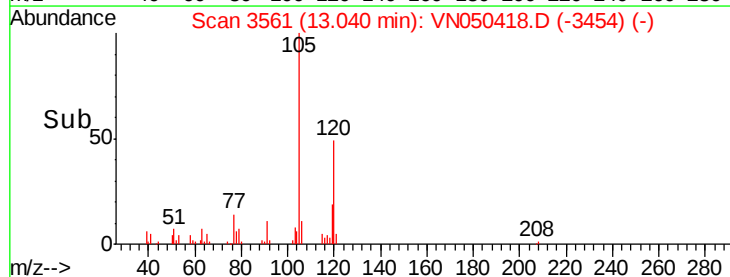
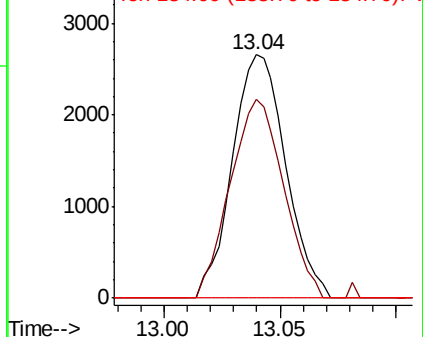
134 0.0 13.2 39.5#

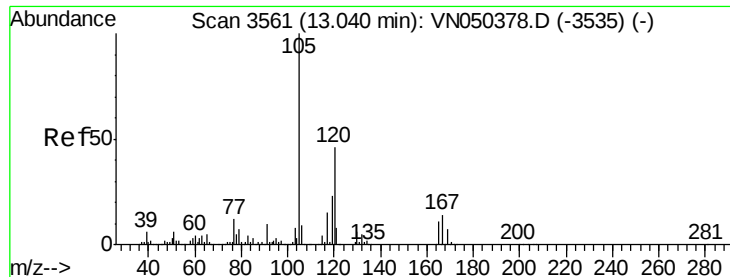


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.35 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampleId :

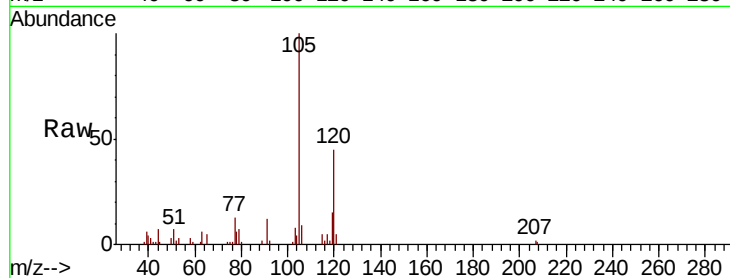
WC-SOIL

Tot Ion:105 Resp: 29267

Ion Ratio Lower Upper

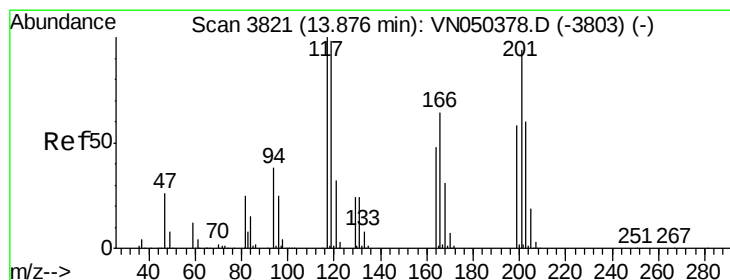
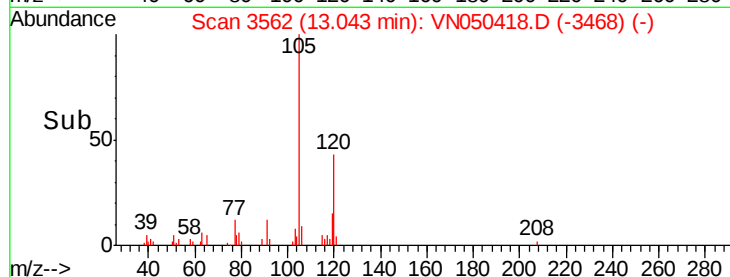
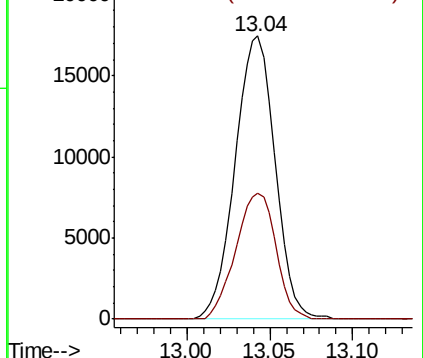
105 100

120 44.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.43 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050418.D

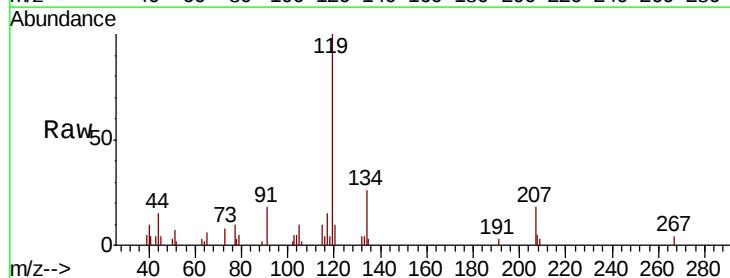
Acq: 7 Aug 2018 6:21

Tgt Ion:117 Resp: 1622

Ion Ratio Lower Upper

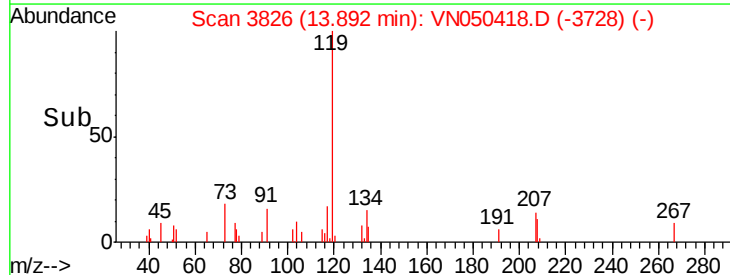
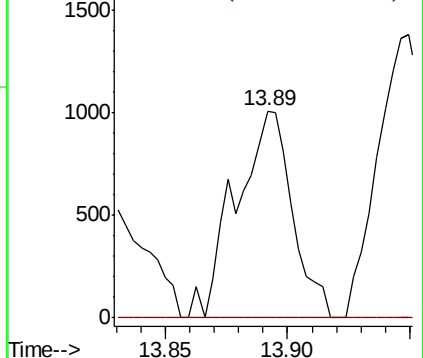
117 100

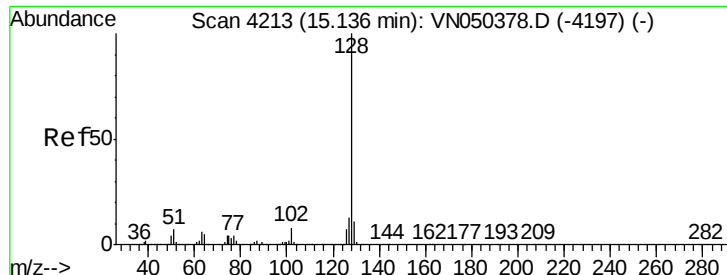
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 11.15 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050418.D

Acq: 7 Aug 2018 6:21

Instrument :

MSVOA_N

ClientSampleId :

WC-SOIL

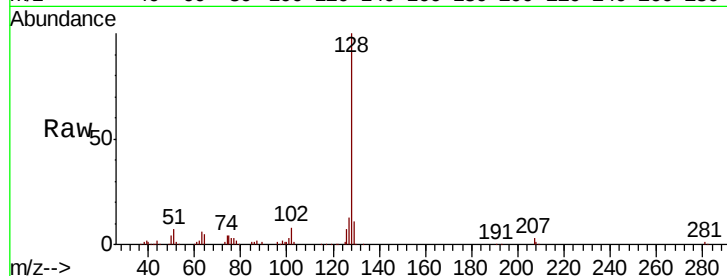
Tot Ion:128 Resp: 138486

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.0 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

