

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054812.D
 Acq On : 30 Mar 2019 19:32
 Operator : JC/SP
 Sample : K2125-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 30 22:43:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	536241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	763576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	362983	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	281438	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.09	98	1056823	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.40	95	333979	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	

Target Compounds

					Qvalue	
5) Bromomethane	2.56	94	34	Below Cal	#	2
8) Diethyl Ether	3.40	74	712	0.267	ug/l #	1
11) Tert butyl alcohol	4.83	59	210	0.558	ug/l #	70
13) Acrolein	3.58	56	91	0.270	ug/l #	1
16) Acetone	3.82	43	10988	6.374	ug/l	88
18) Methyl Acetate	4.33	43	1938	Below Cal	#	85
20) Methylene Chloride	4.55	84	156349	25.713	ug/l #	86
30) Chloroform	7.37	83	2205	0.211	ug/l	93
31) Cyclohexane	7.67	56	11404	Below Cal	#	11
36) 1,1-Dichloropropene	7.66	75	41305	5.052	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49025	6.173	ug/l #	16
43) Isopropyl Acetate	8.17	43	16707	1.715	ug/l #	91
48) Methyl methacrylate	9.18	41	9801	1.856	ug/l #	25
49) 1,4-Dioxane	9.28	88	104	1.985	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9312	1.700	ug/l #	36
54) cis-1,3-Dichloropropene	9.91	75	50848	5.802	ug/l #	73
57) 1,3-Dichloropropane	10.77	76	10577	1.188	ug/l #	43
59) 2-Hexanone	10.77	43	174369	49.726	ug/l #	47
67) Ethyl Benzene	11.51	91	15821	0.586	ug/l	96
68) m/p-Xylenes	11.62	106	27482	2.753	ug/l	98
69) o-Xylene	11.95	106	13259	1.354	ug/l	95
71) Bromoform	12.40	173	1392	0.425	ug/l #	28
74) N-ethyl acetate	11.88	43	18434	2.522	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	101	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	176332	35.361	ug/l #	100
78) n-propylbenzene	12.60	91	5507	0.214	ug/l	94
79) 2-Chlorotoluene	12.65	91	4194	0.263	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	23449	1.218	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	176332	137.547	ug/l #	11
83) tert-Butylbenzene	13.04	119	13178	Below Cal	#	64
84) 1,2,4-Trimethylbenzene	13.04	105	104701	5.709	ug/l	96
85) sec-Butylbenzene	13.04	105	104701	5.007	ug/l #	55
90) Hexachloroethane	13.89	117	698	0.223	ug/l #	2
95) Naphthalene	15.13	128	15639	1.512	ug/l	98

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
Response via : Initial Calibration

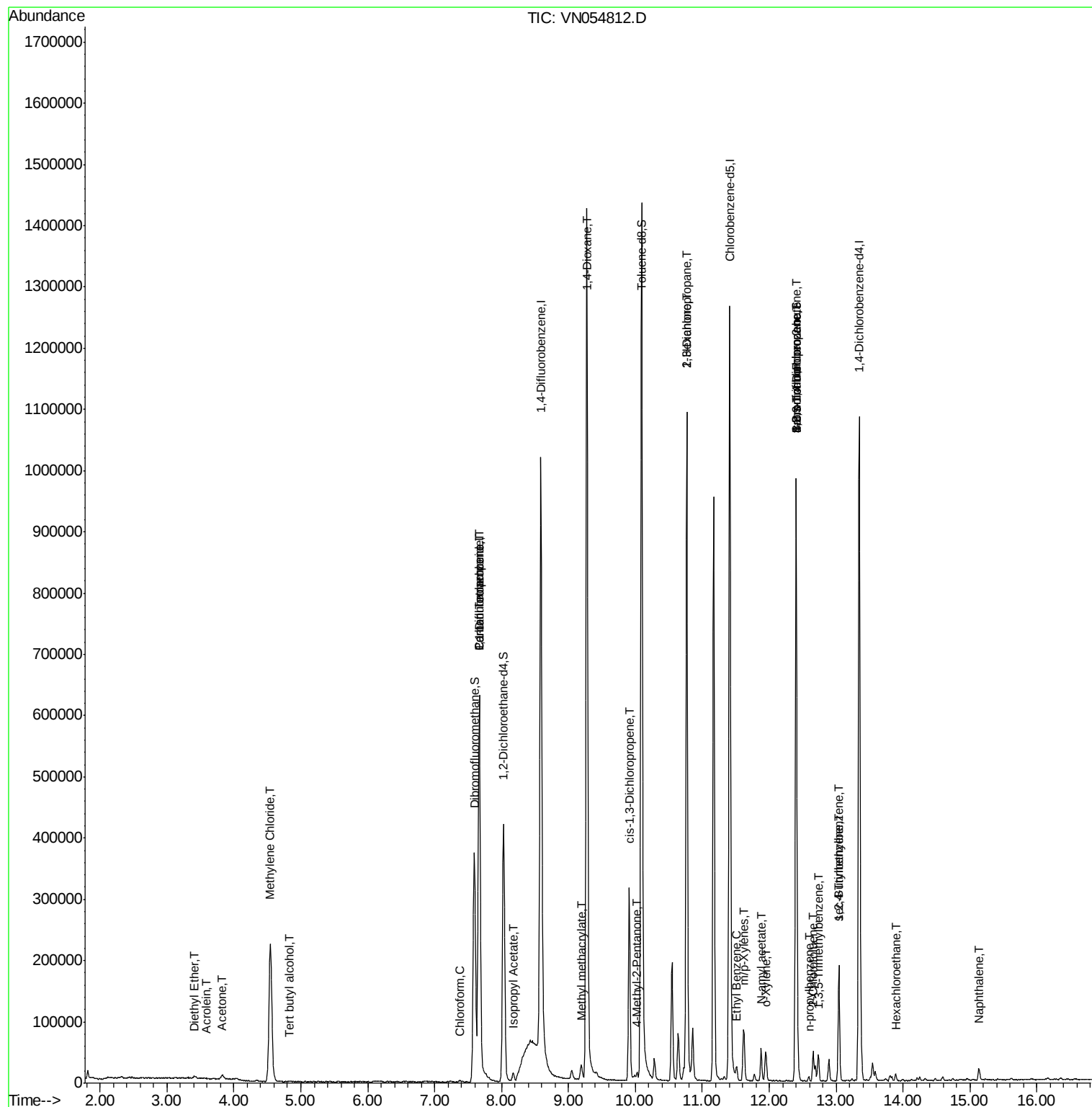
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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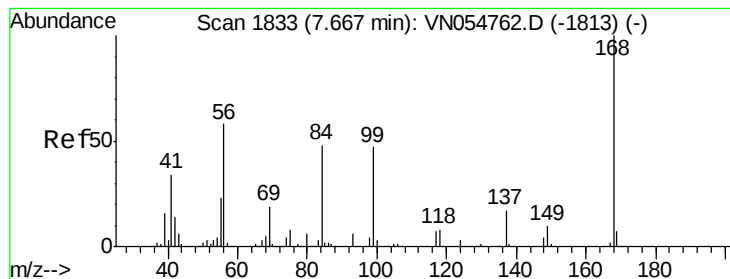
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033019\
Data File : VN054812.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

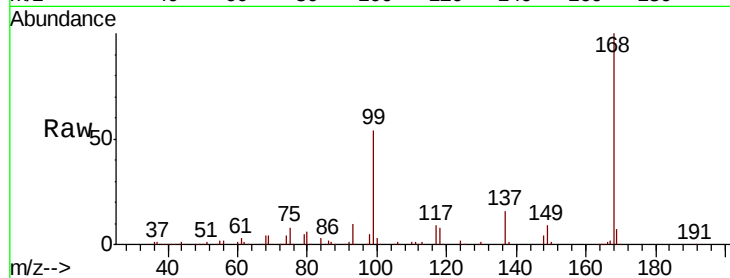
SOIL-COMP

Tot Ion:168 Resp: 536241

Ion Ratio Lower Upper

168 100

99 53.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054812.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054812.D (-1740) (-)

7.67

250000

200000

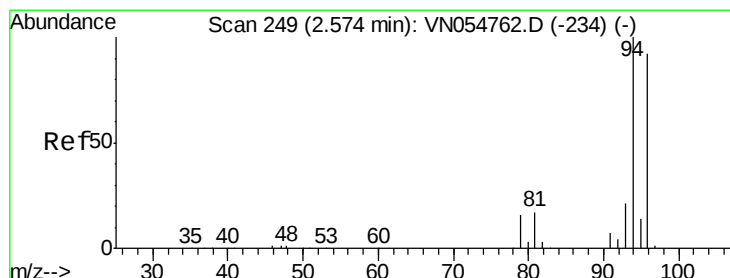
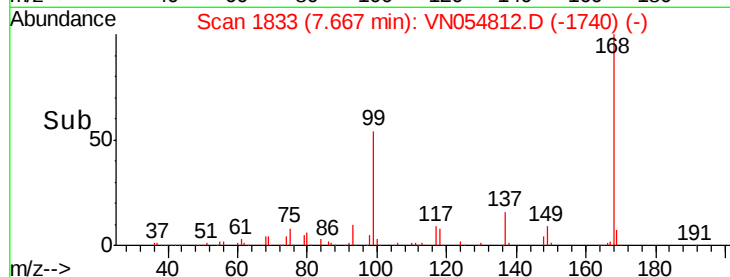
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054812.D

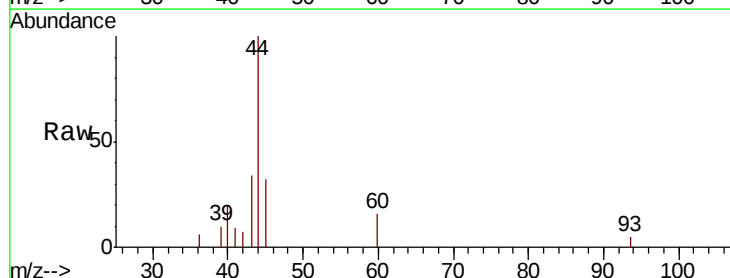
Acq: 30 Mar 2019 19:32

Tgt Ion: 94 Resp: 34

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054812.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054812.D (-156) (-)

2.56

200

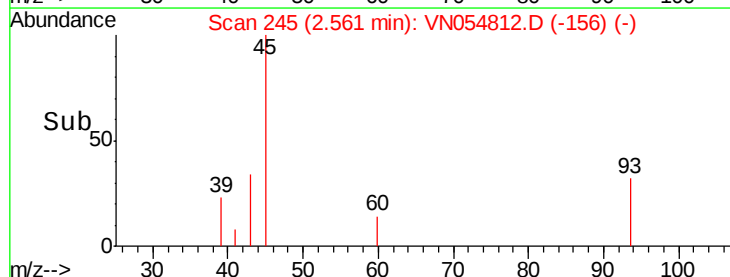
150

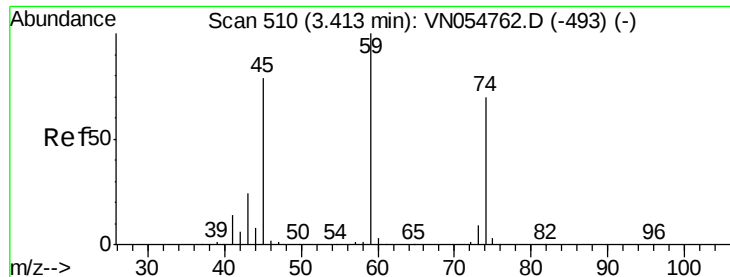
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.267 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.01 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

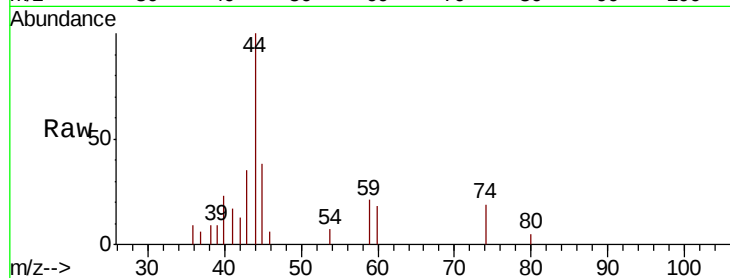
SOIL-COMP

Tot Ion: 74 Resp: 712

Ion Ratio Lower Upper

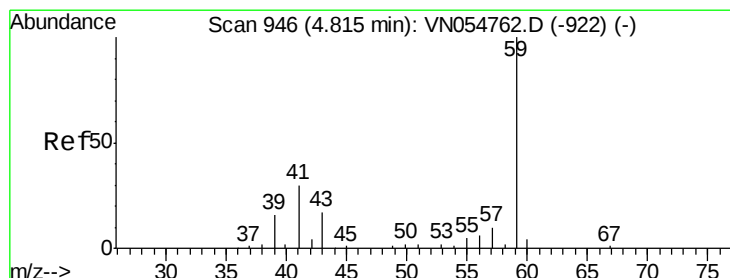
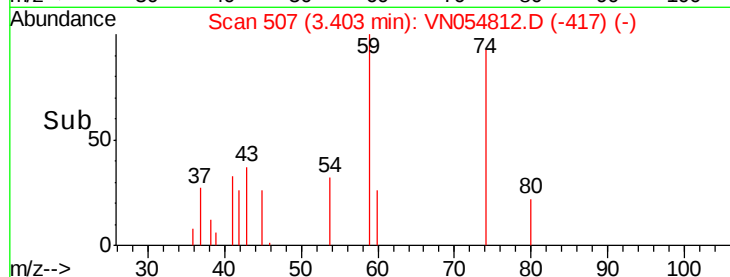
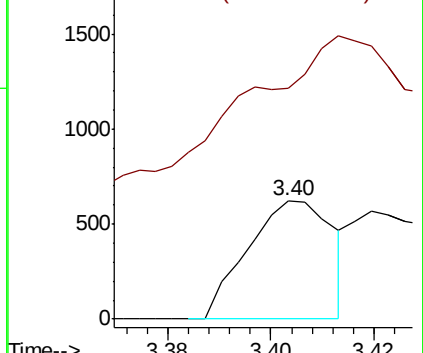
74 100

45 220.8 43.1 129.4#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 0.558 ug/l

RT: 4.83 min Scan# 951

Delta R.T. 0.02 min

Lab File: VN054812.D

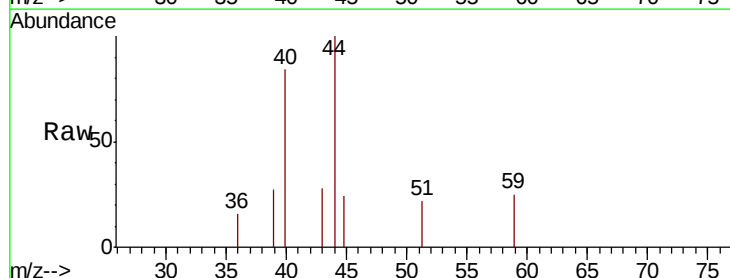
Acq: 30 Mar 2019 19:32

Tgt Ion: 59 Resp: 210

Ion Ratio Lower Upper

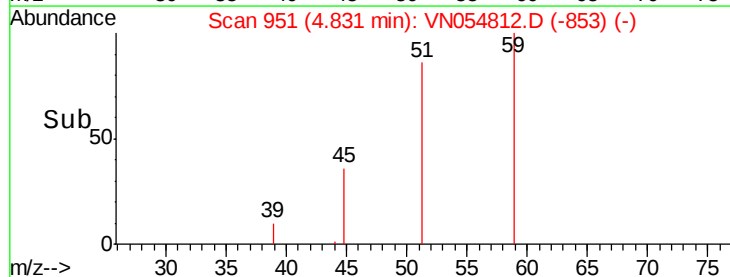
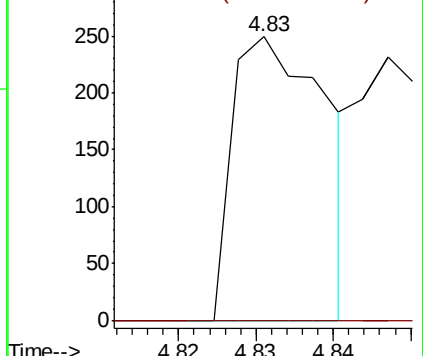
59 100

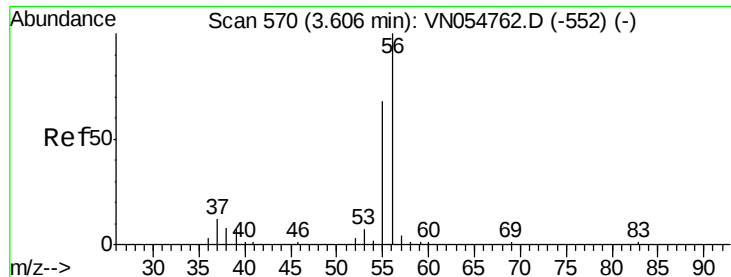
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.270 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.03 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

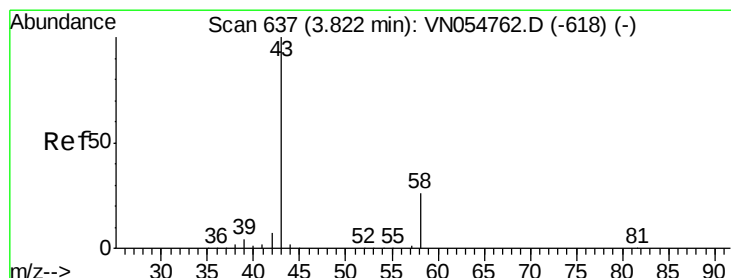
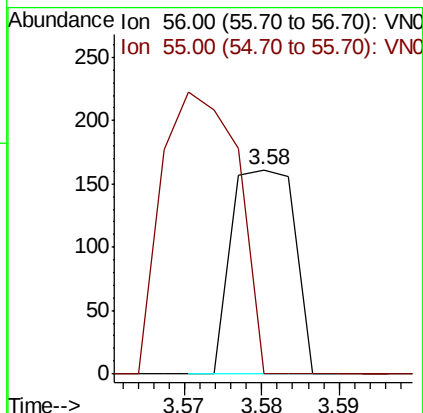
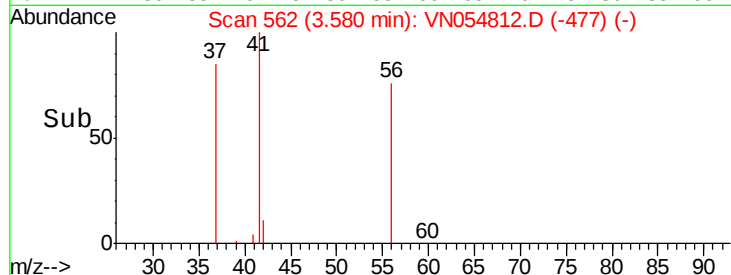
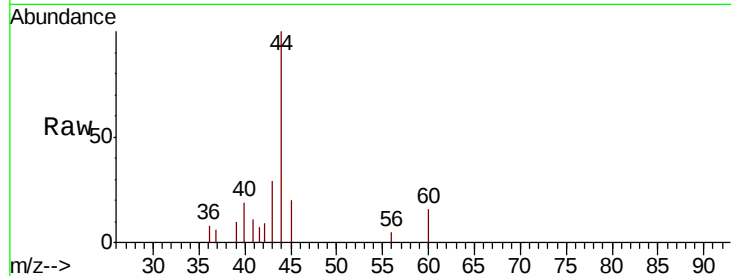
SOIL-COMP

Tot Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 167.0 56.7 85.1#



#16

Acetone

Concen: 6.374 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054812.D

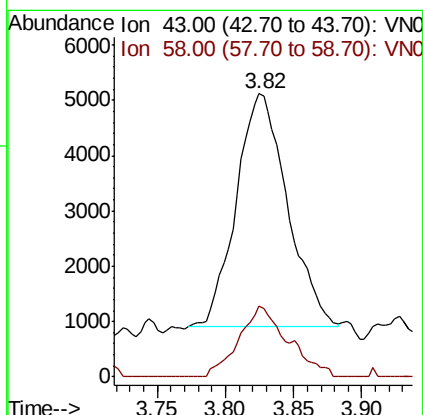
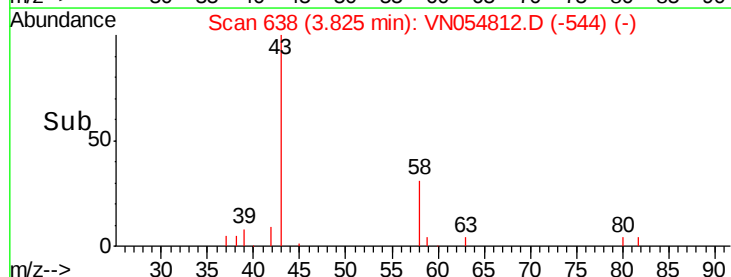
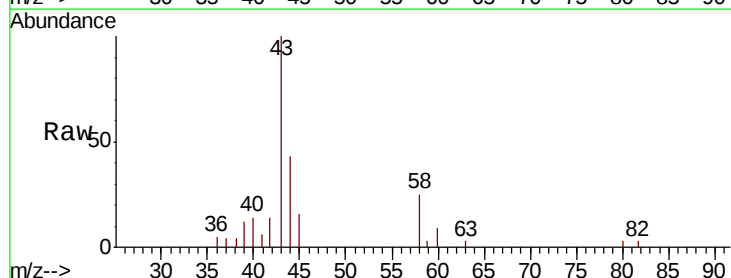
Acq: 30 Mar 2019 19:32

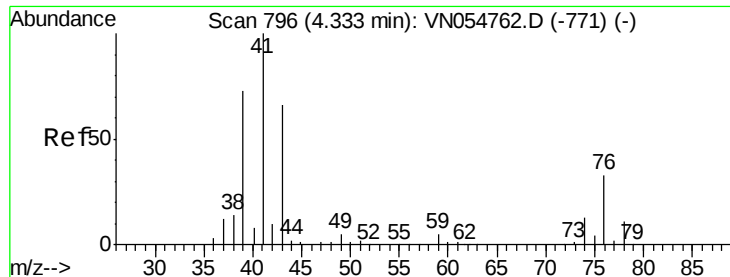
Tgt Ion: 43 Resp: 10988

Ion Ratio Lower Upper

43 100

58 30.1 29.9 44.9

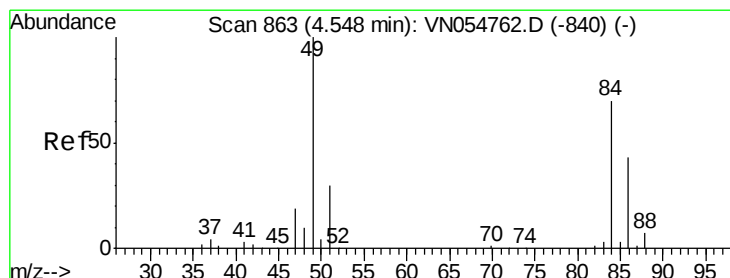
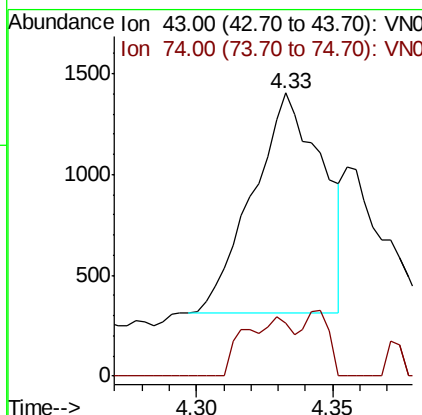
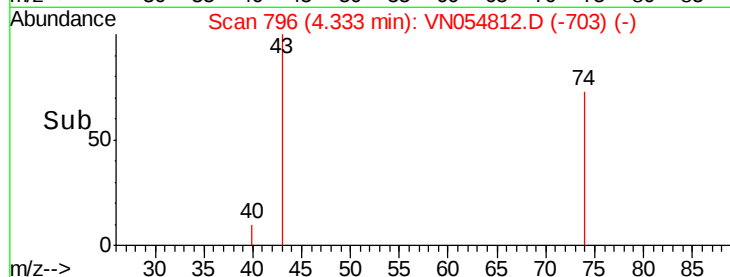
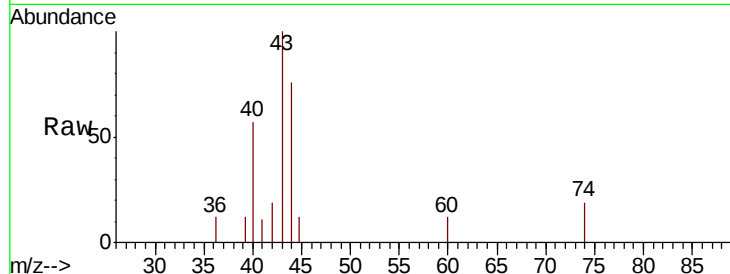




#18
Methvl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

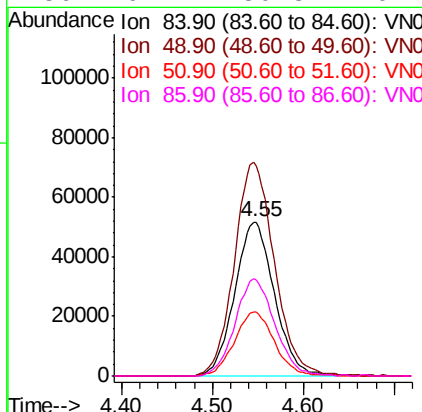
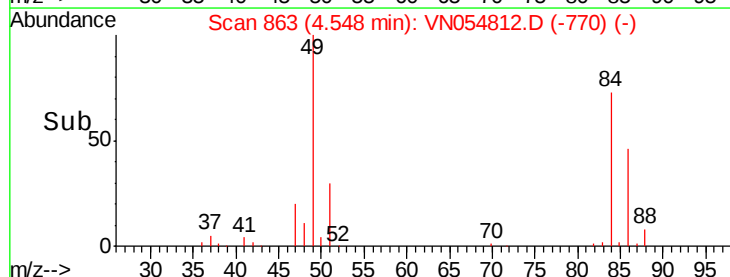
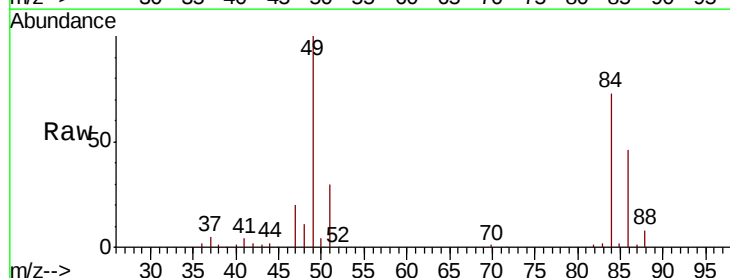
Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP

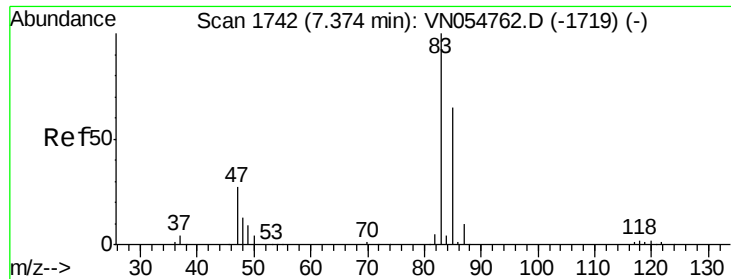
Tot Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
74 18.5 20.8 31.2#



#20
Methylene Chloride
Concen: 25.713 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Tgt Ion: 84 Resp: 156349
Ion Ratio Lower Upper
84 100
49 136.5 89.7 134.5#
51 41.5 28.2 42.4
86 62.7 50.8 76.2

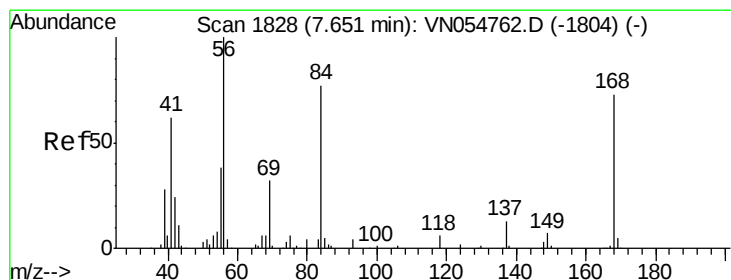
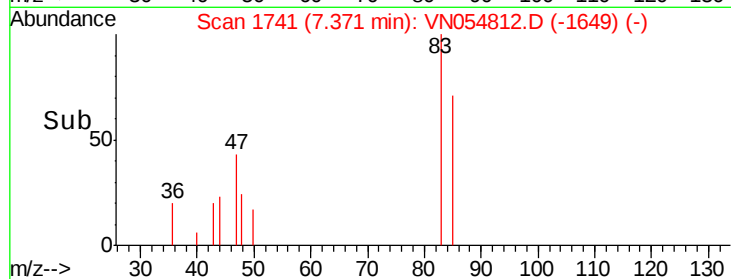
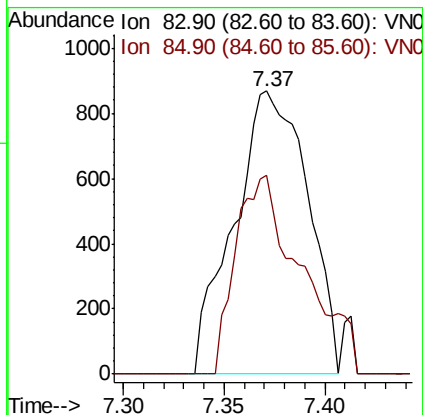
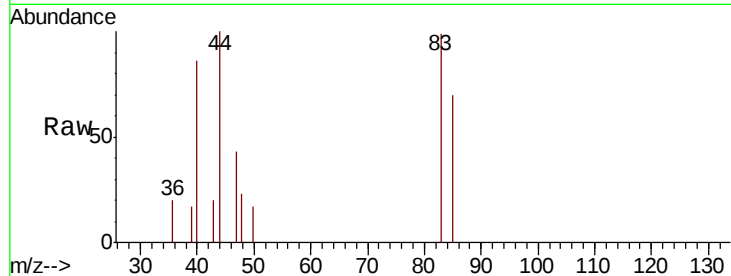




#30
Chloroform
Concen: 0.211 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

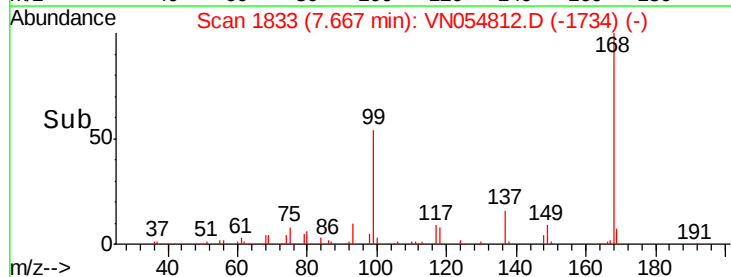
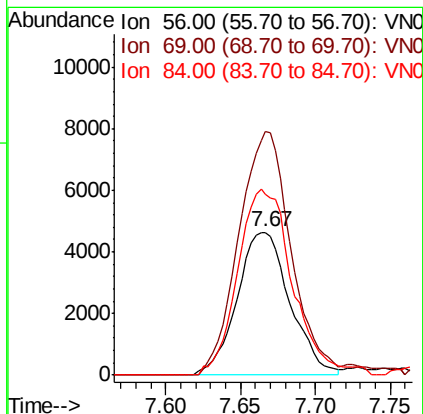
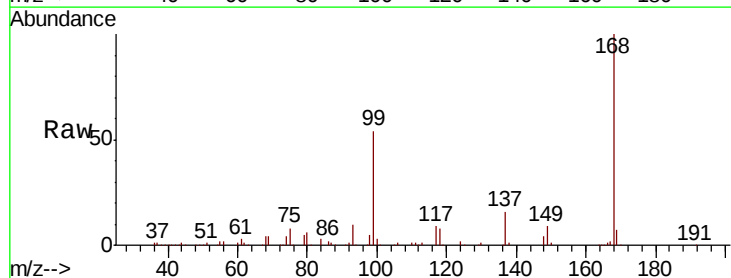
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SOIL-COMP

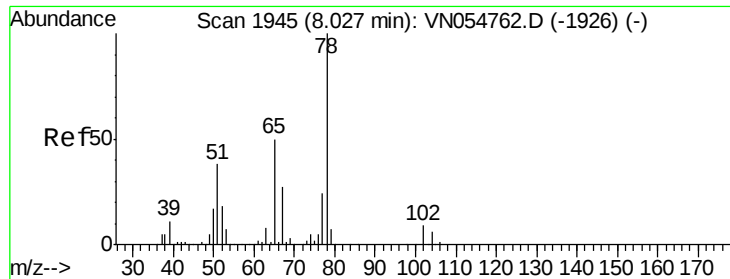
Tot Ion: 83 Resp: 2205
Ion Ratio Lower Upper
83 100
85 70.5 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Tgt Ion: 56 Resp: 11404
Ion Ratio Lower Upper
56 100
69 170.2 27.8 41.6#
84 126.7 74.6 111.8#

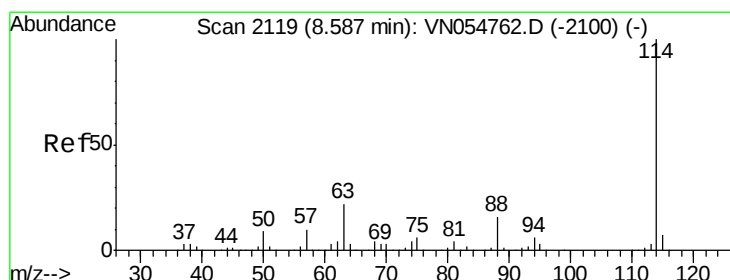
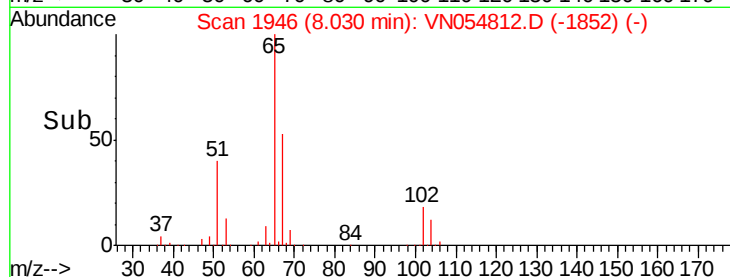
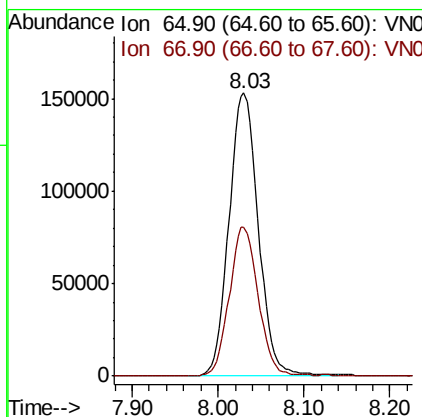
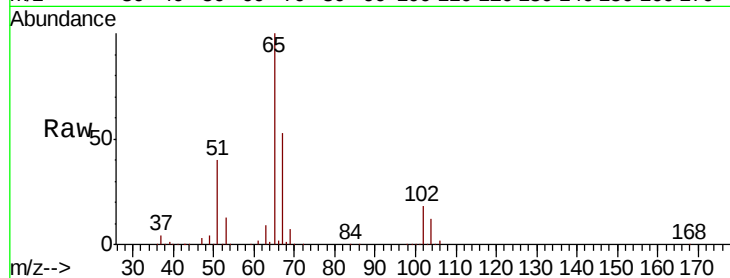




#33
 1,2-Dichloroethane-d4
 Concen: 50.214 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

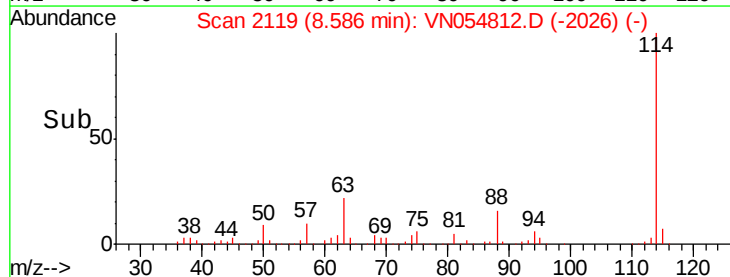
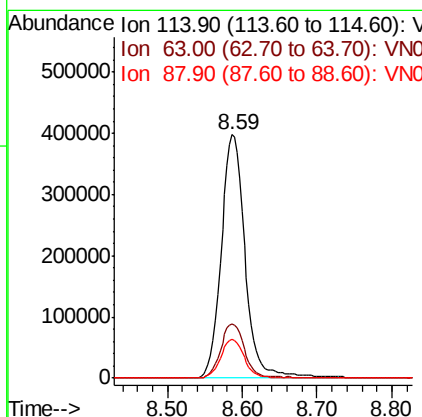
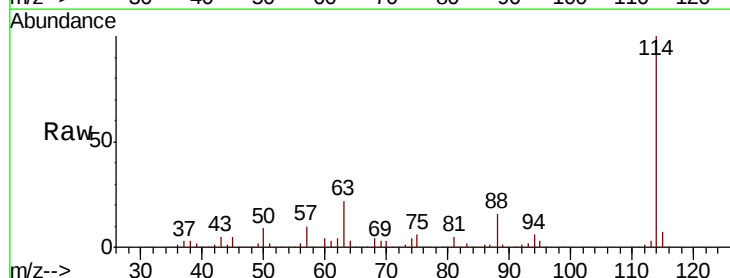
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMP

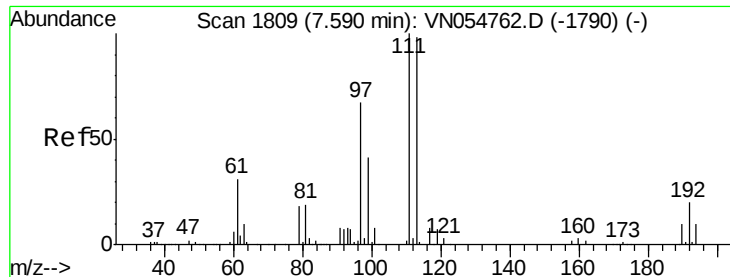
Tot Ion: 65 Resp: 362983
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Tgt Ion: 114 Resp: 877497
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 35.2
 88 15.9 0.0 30.2

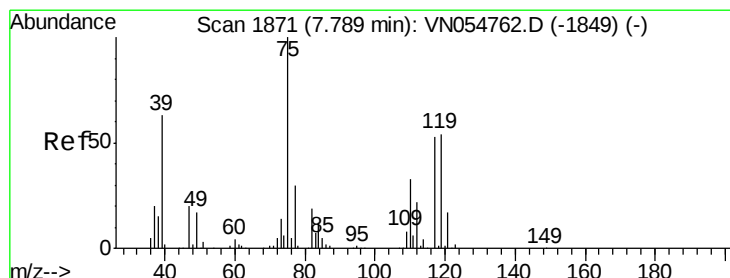
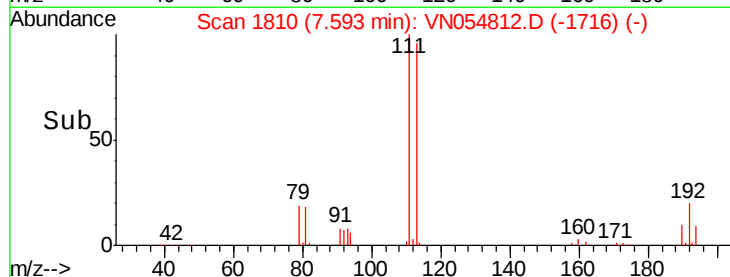
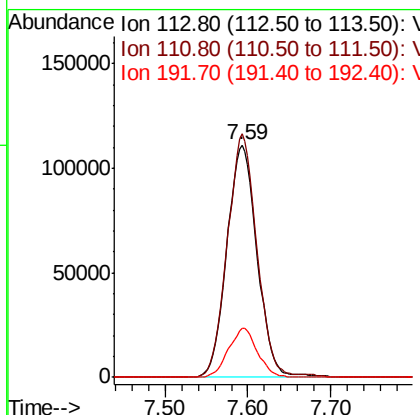
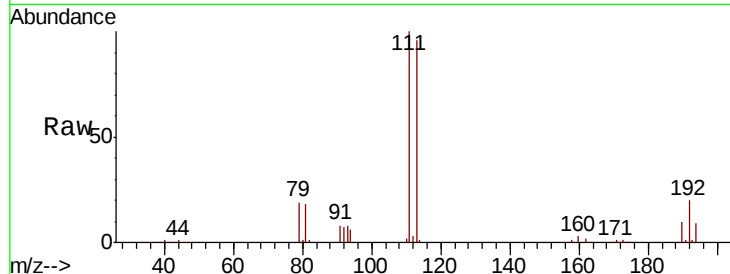




#35
 Dibromofluoromethane
 Concen: 48.108 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

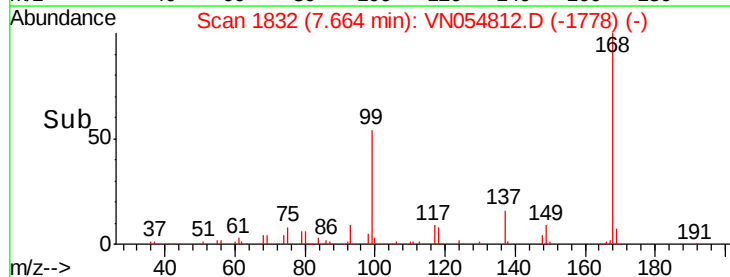
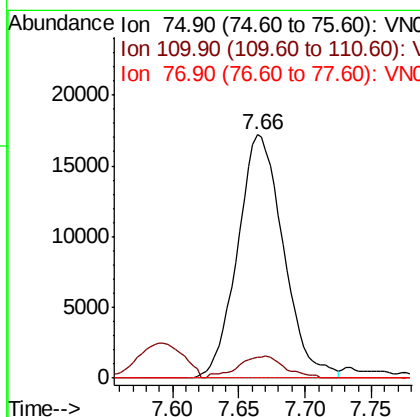
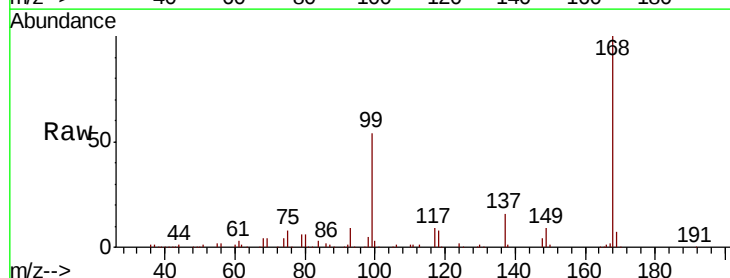
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMP

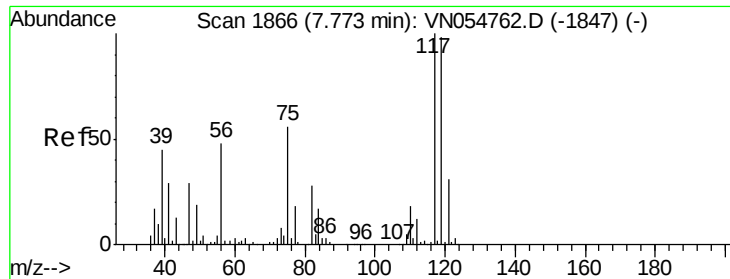
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	20.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 5.052 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.173 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

SOIL-COMP

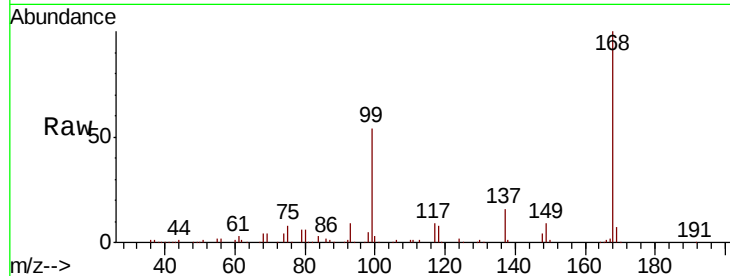
Tot Ion:117 Resp: 49025

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

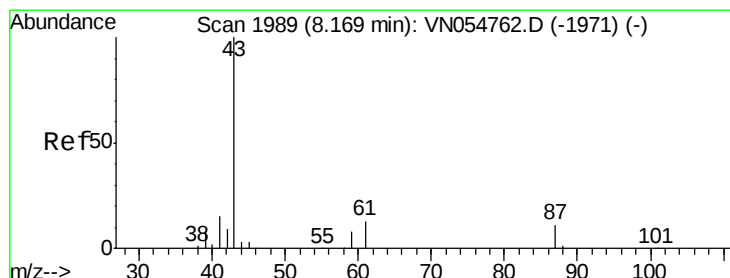
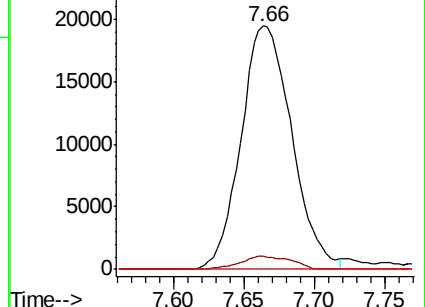
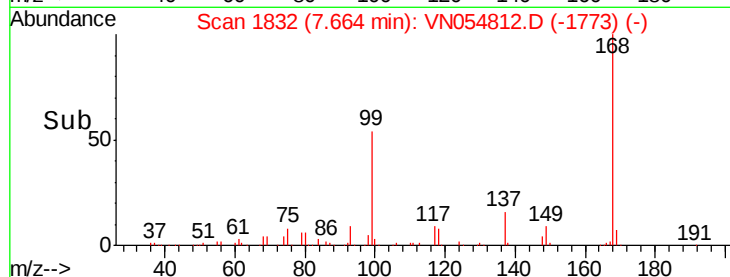
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.715 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

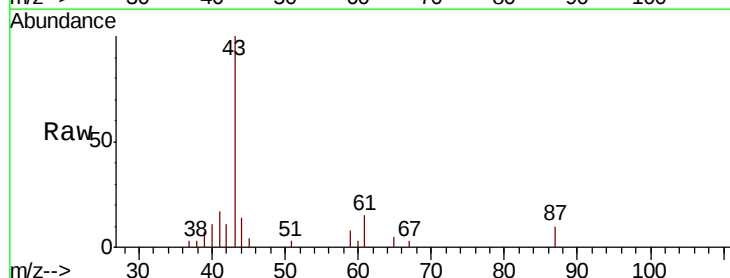
Tgt Ion: 43 Resp: 16707

Ion Ratio Lower Upper

43 100

61 15.7 15.8 23.8#

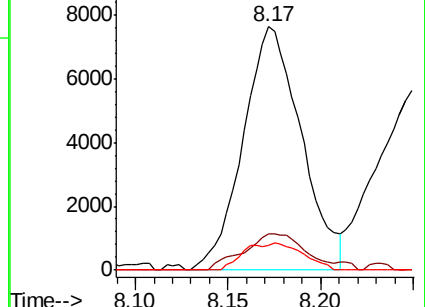
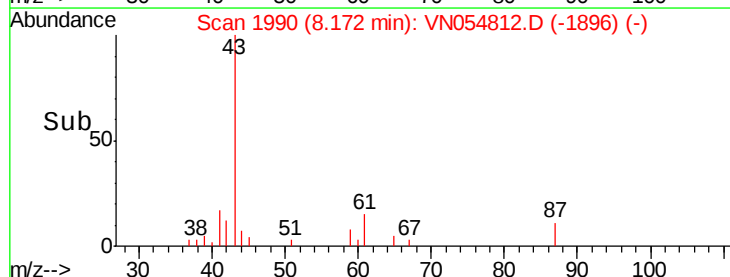
87 11.5 12.0 18.0#

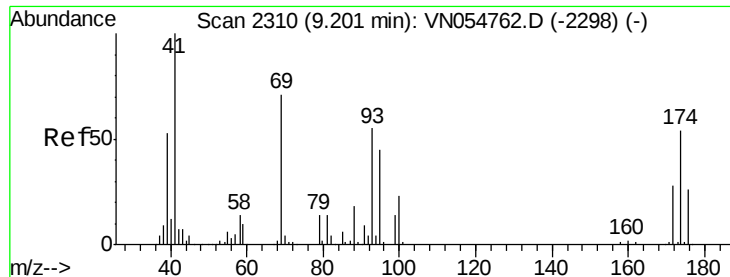


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

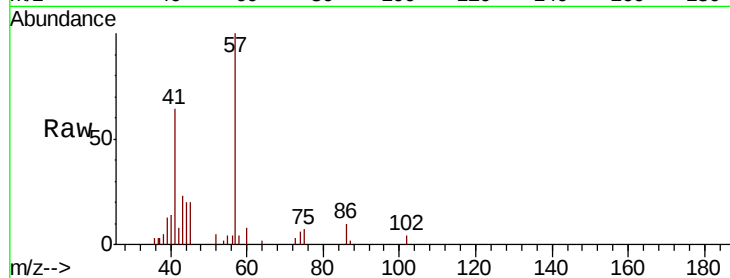




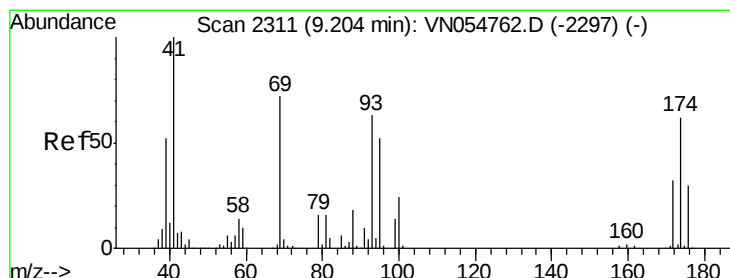
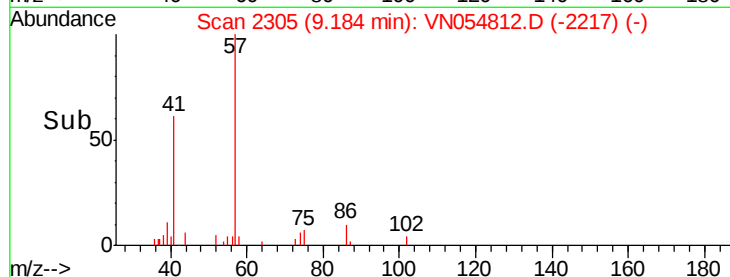
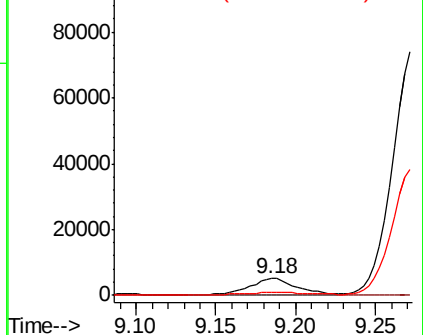
#48
Methyl methacrylate
Concen: 1.856 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Instrument :
MSVOA_N
ClientSampleId :
SOIL-COMP

Tot Ion: 41 Resp: 9801
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 27.4 47.5 71.3#

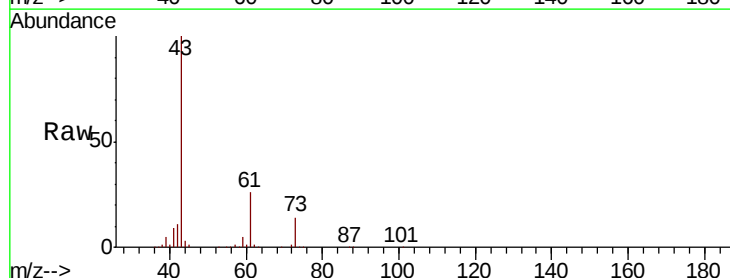


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

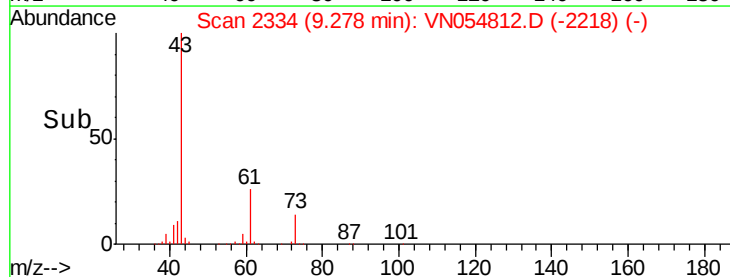
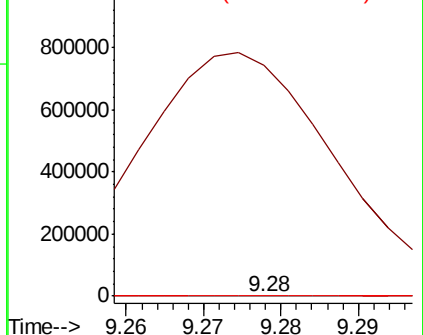


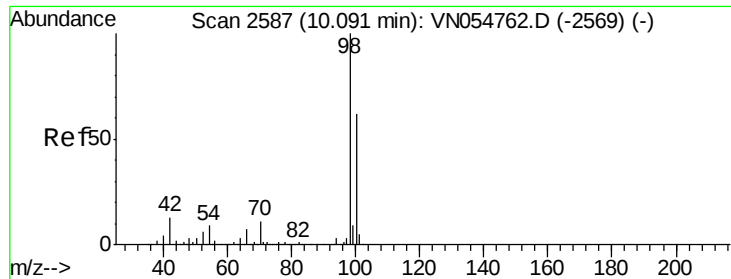
#49
1,4-Dioxane
Concen: 1.985 ug/l
RT: 9.28 min Scan# 2334
Delta R.T. 0.07 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 1453247.1 24.1 36.1#
58 6176.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 48.590 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

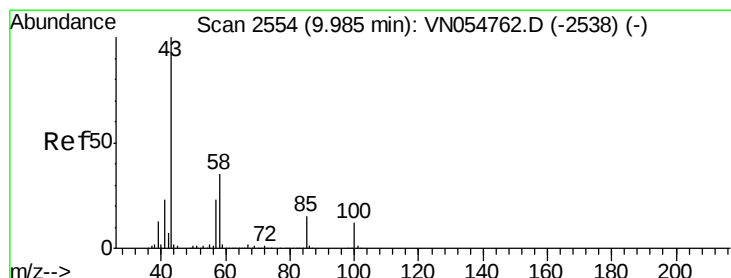
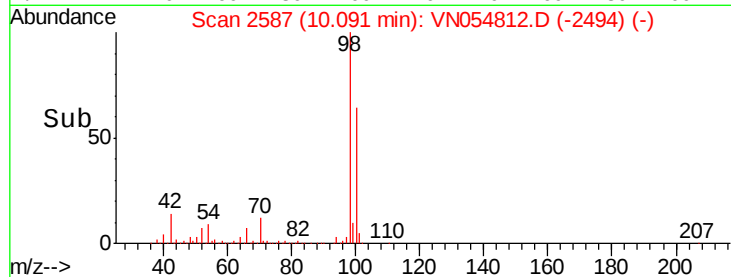
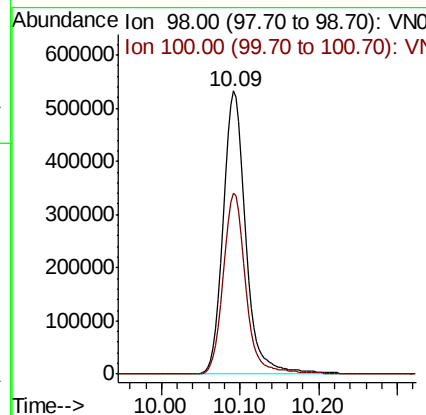
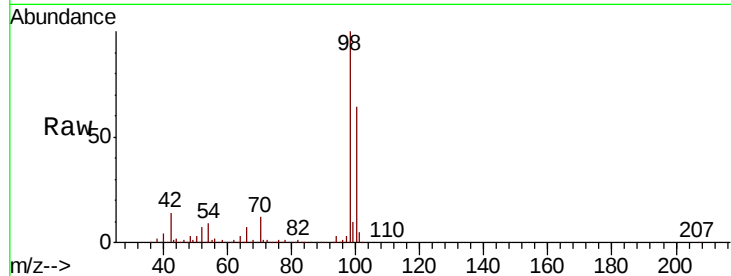
SOIL-COMP

Tot Ion: 98 Resp: 1056823

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.700 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054812.D

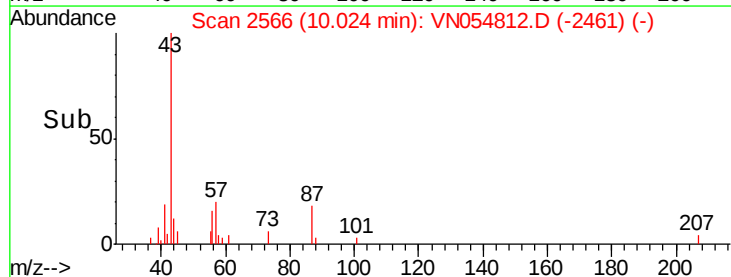
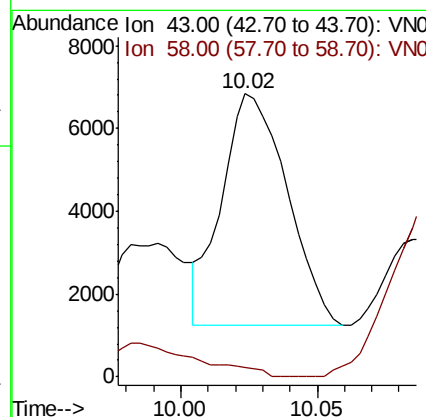
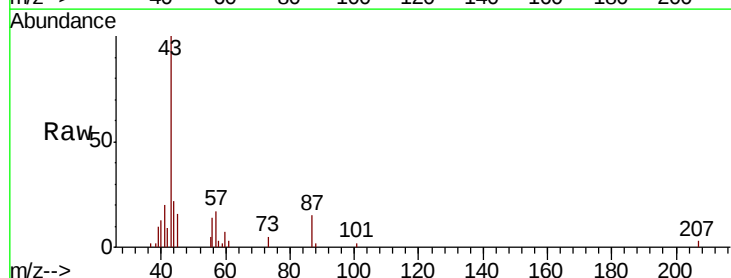
Acq: 30 Mar 2019 19:32

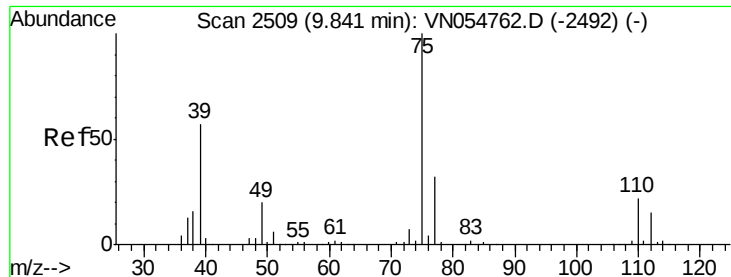
Tgt Ion: 43 Resp: 9312

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



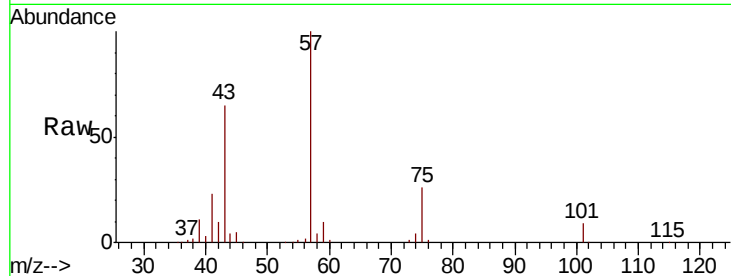


#54

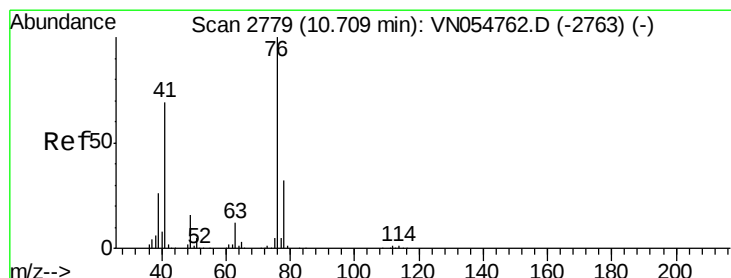
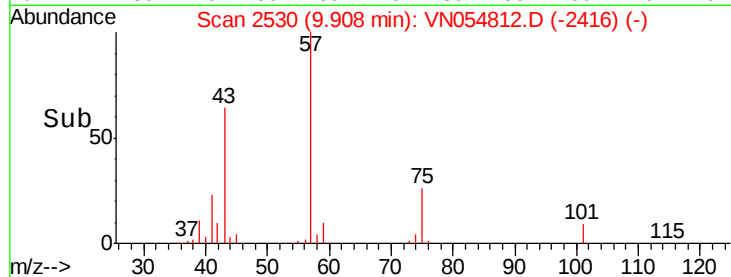
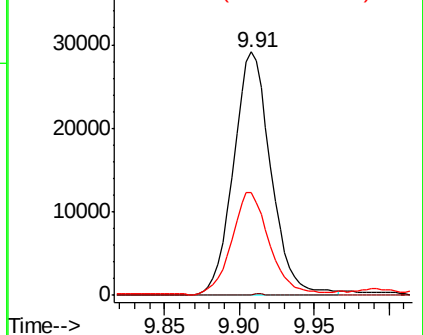
cis-1,3-Dichloropropene
 Concen: 5.802 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-COMP

Tot Ion: 75 Resp: 50848
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 42.1 37.2 55.8



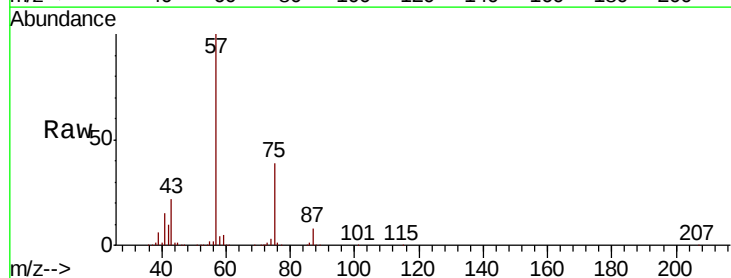
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



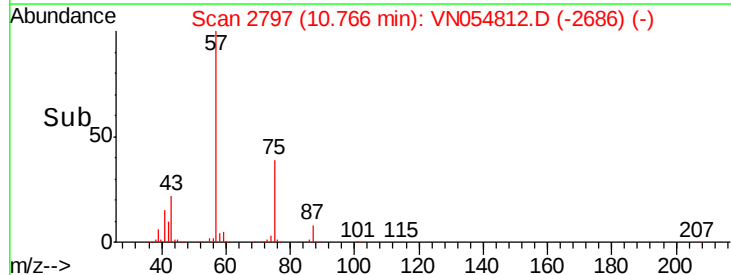
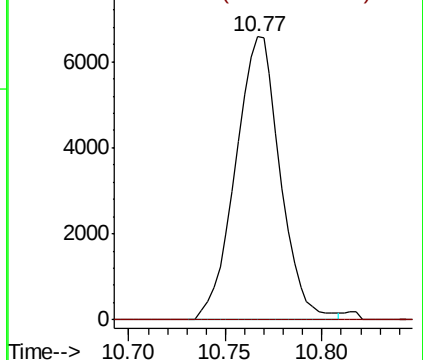
#57

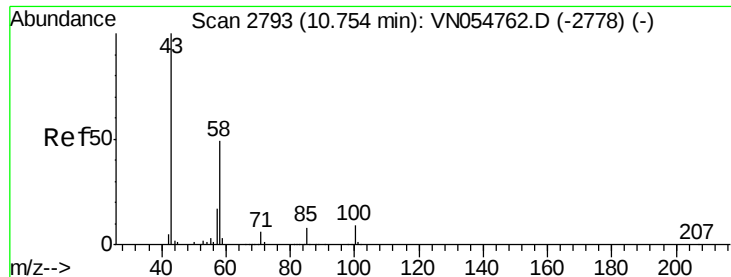
1,3-Dichloropropane
 Concen: 1.188 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Tgt Ion: 76 Resp: 10577
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 49.726 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

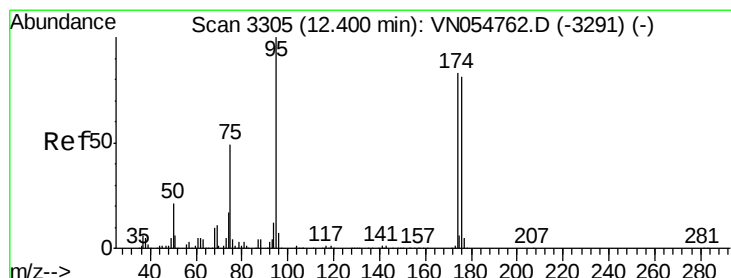
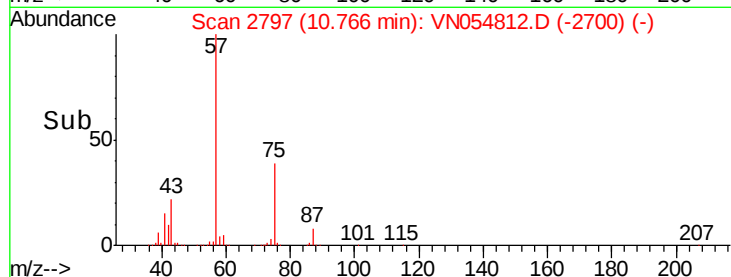
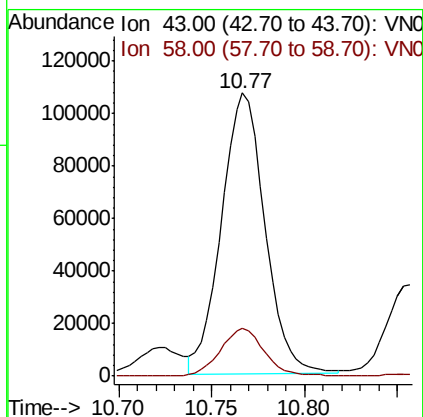
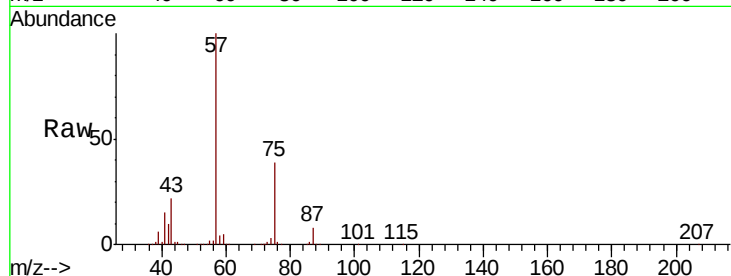
SOIL-COMP

Tot Ion: 43 Resp: 174369

Ion Ratio Lower Upper

43 100

58 17.4 28.0 83.9#



#62

4-Bromofluorobenzene

Concen: 46.172 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

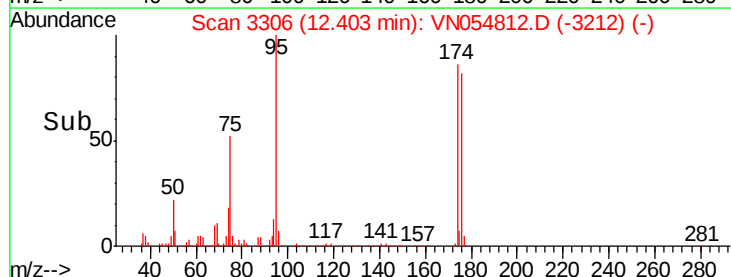
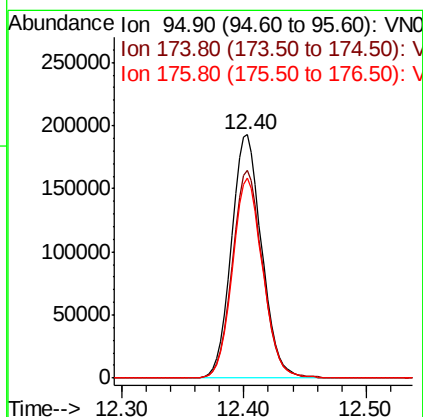
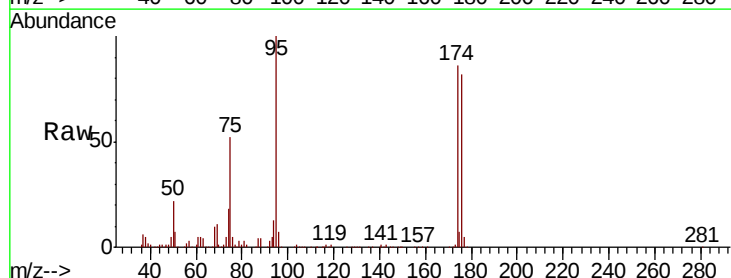
Tgt Ion: 95 Resp: 333979

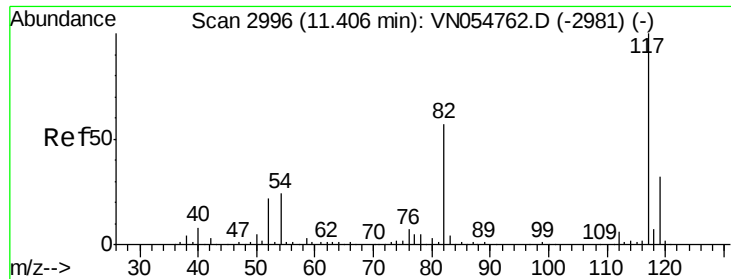
Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 81.9 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

SOIL-COMP

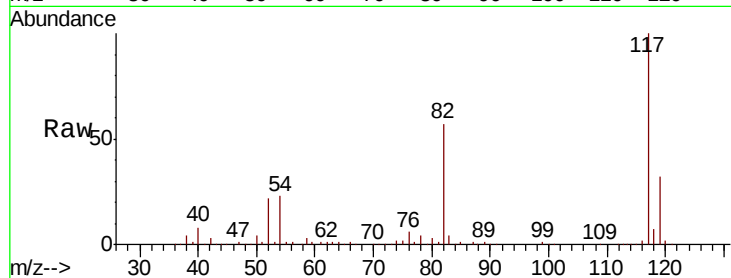
Tot Ion:117 Resp: 763576

Ion Ratio Lower Upper

117 100

82 56.6 40.0 60.0

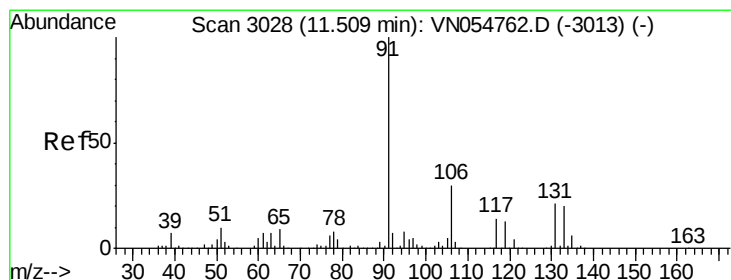
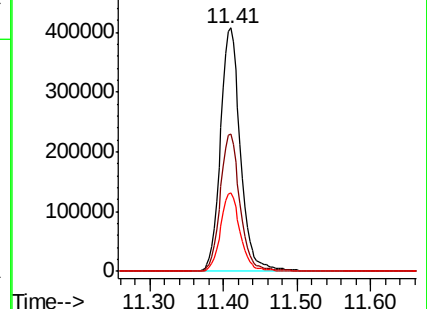
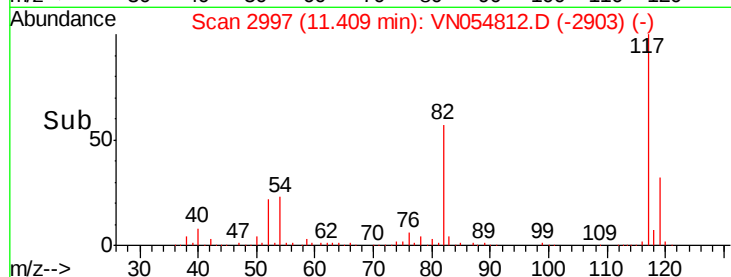
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.586 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054812.D

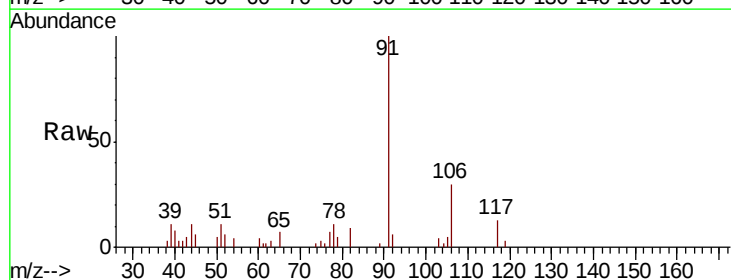
Acq: 30 Mar 2019 19:32

Tgt Ion: 91 Resp: 15821

Ion Ratio Lower Upper

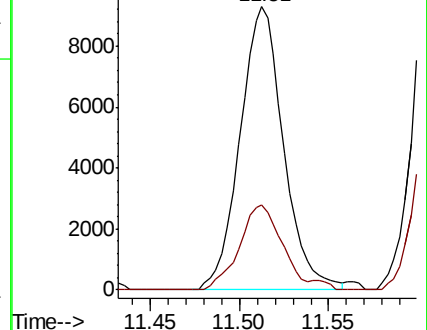
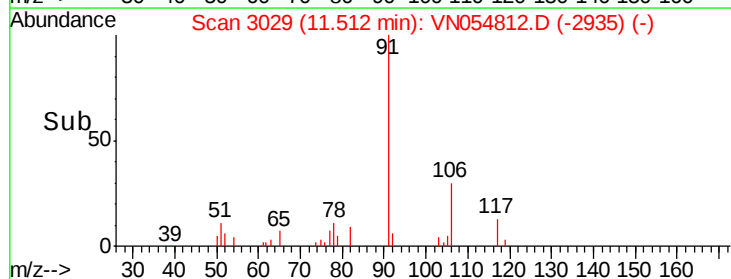
91 100

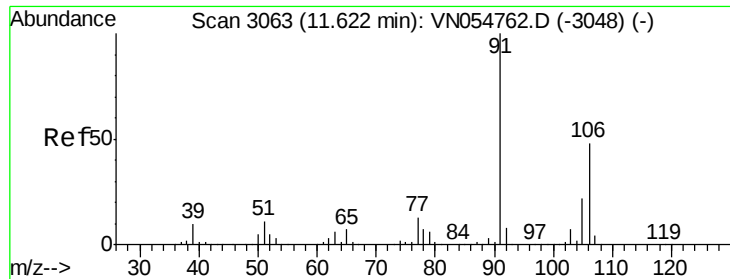
106 29.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

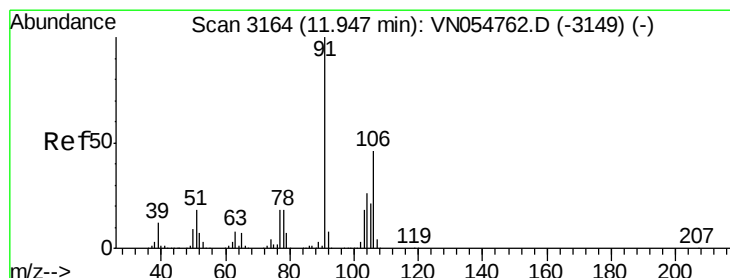
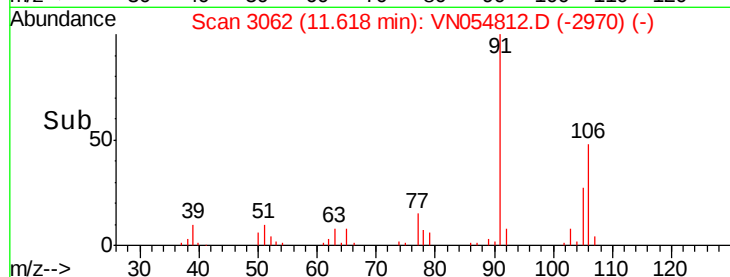
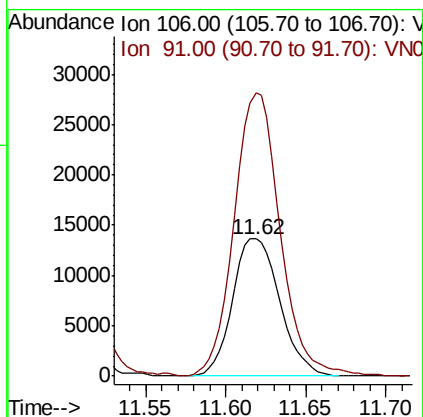
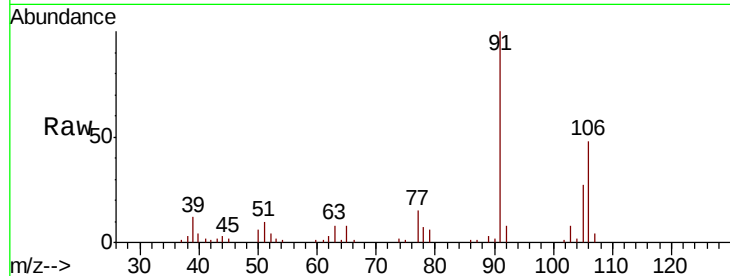




#68
m/p-Xylenes
Concen: 2.753 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

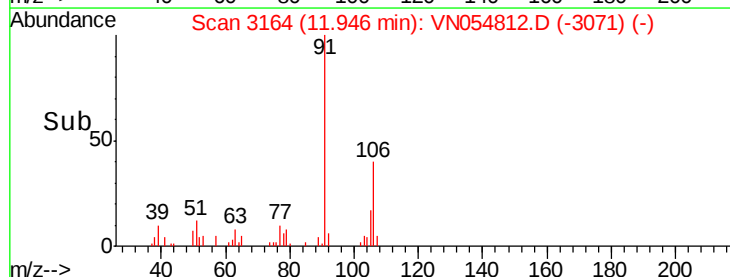
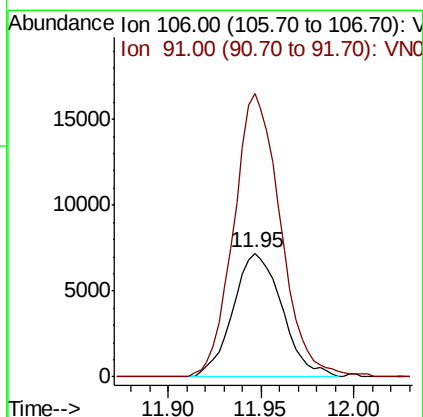
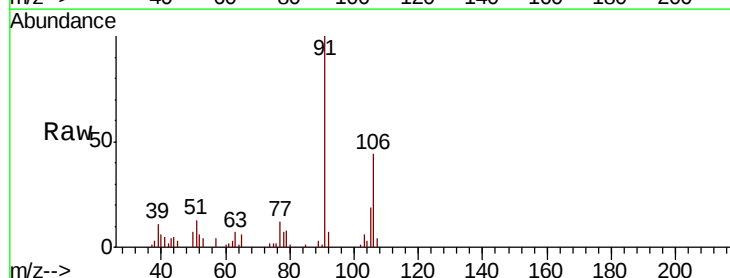
Instrument :
MSVOA_N
ClientSampled :
SOIL-COMP

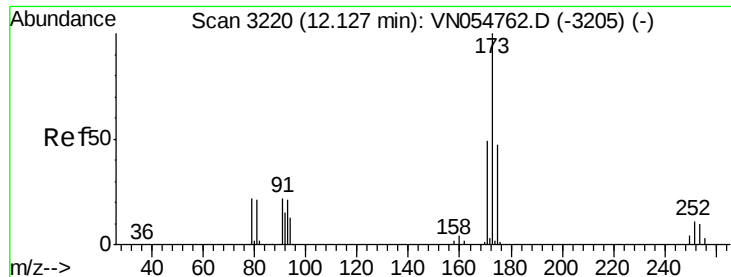
Tot Ion:106 Resp: 27482
Ion Ratio Lower Upper
106 100
91 201.7 159.4 239.2



#69
o-Xylene
Concen: 1.354 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Tgt Ion:106 Resp: 13259
Ion Ratio Lower Upper
106 100
91 219.6 105.7 317.1





#71

Bromoform

Concen: 0.425 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMP

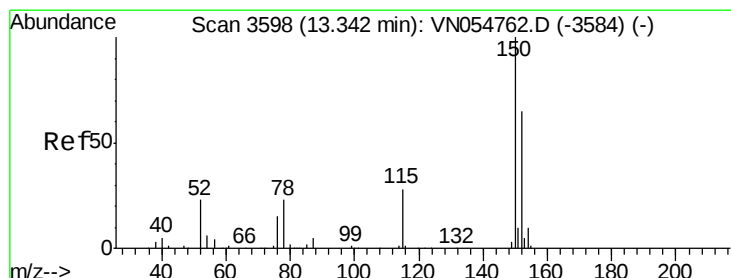
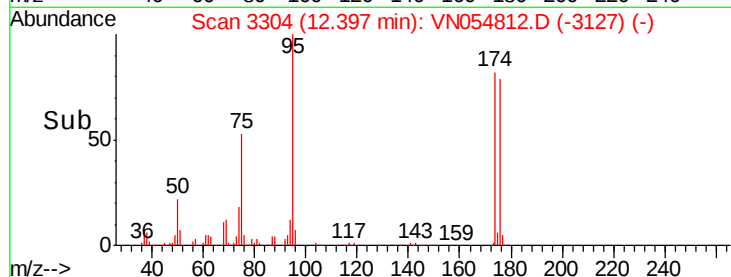
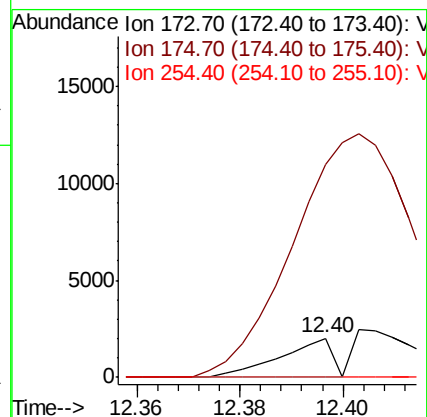
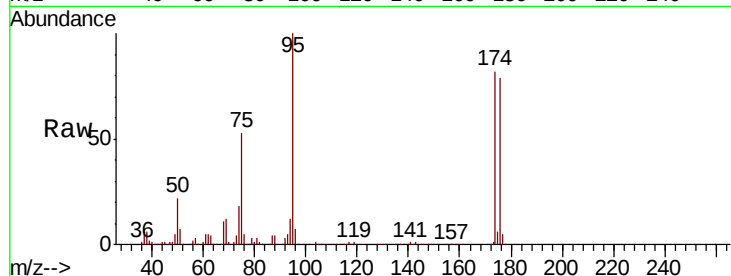
Tot Ion:173 Resp: 1392

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

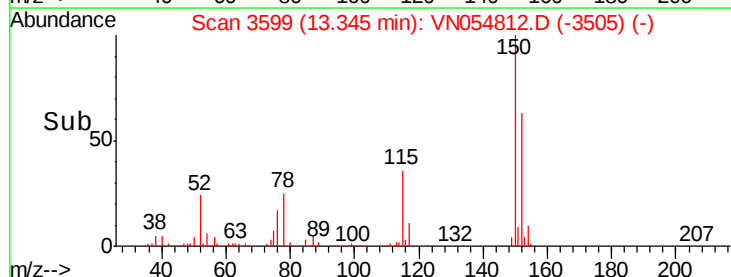
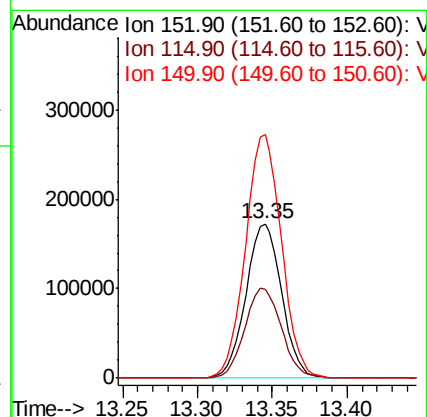
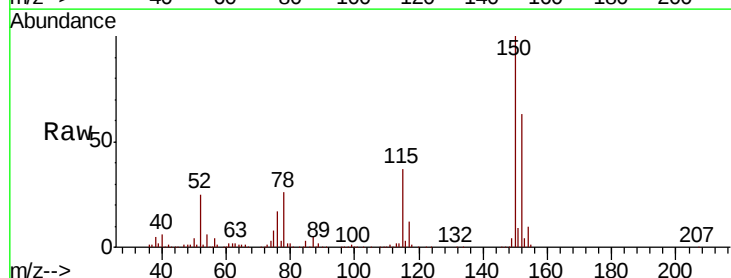
Tgt Ion:152 Resp: 287041

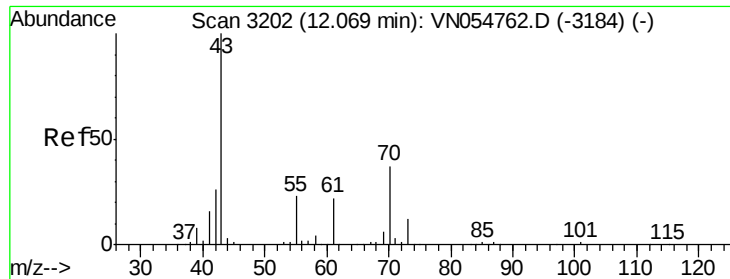
Ion Ratio Lower Upper

152 100

115 59.9 27.2 81.6

150 158.9 0.0 349.2





#74

N-amvl acetate

Concen: 2.522 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

SOIL-COMP

Tot Ion: 43 Resp: 18434

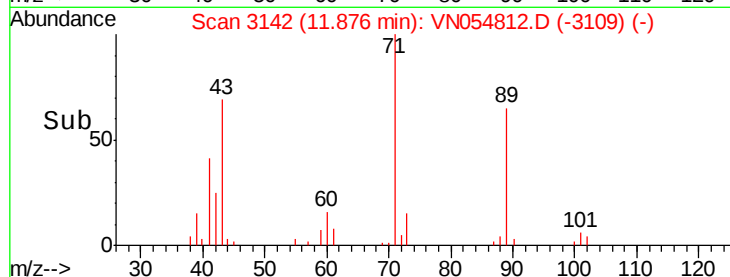
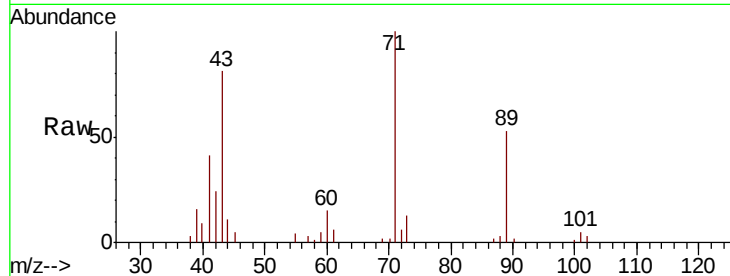
Ion Ratio Lower Upper

43 100

70 1.6 35.4 53.0#

55 4.7 19.8 29.6#

61 7.4 19.8 29.6#

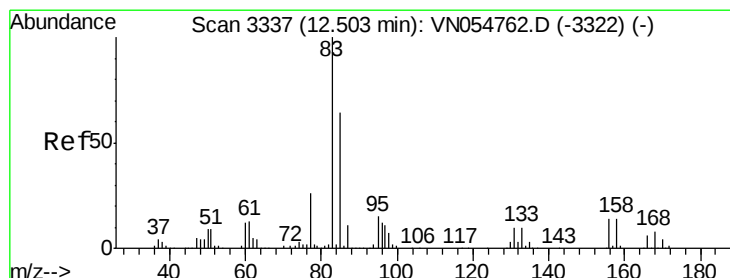
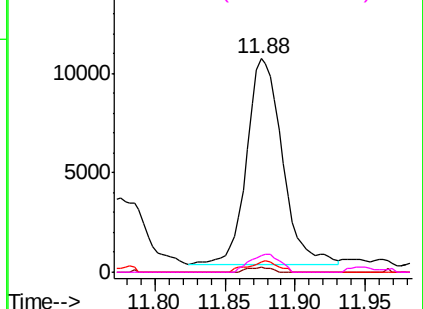


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

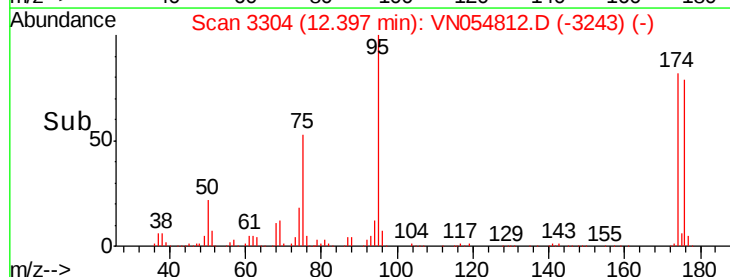
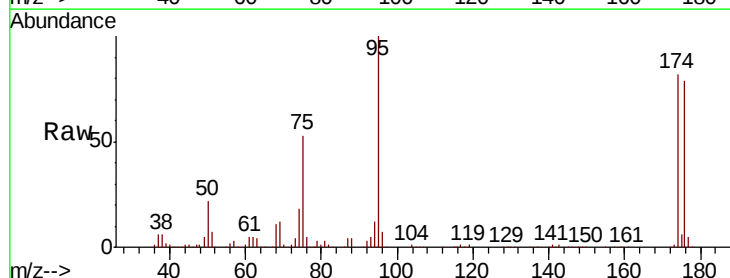
Tgt Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 468.3 5.8 17.4#

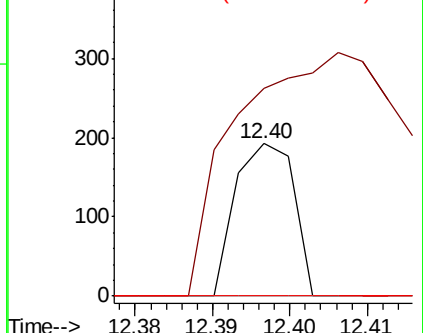
85 0.0 32.2 96.6#

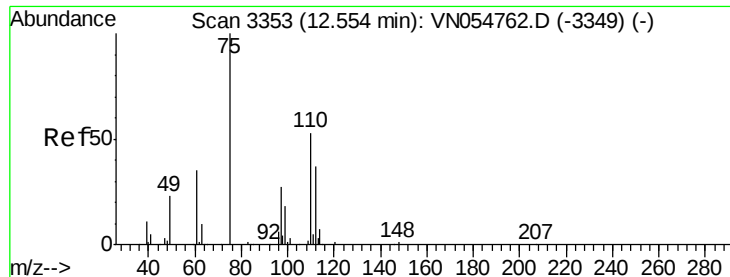


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampled :

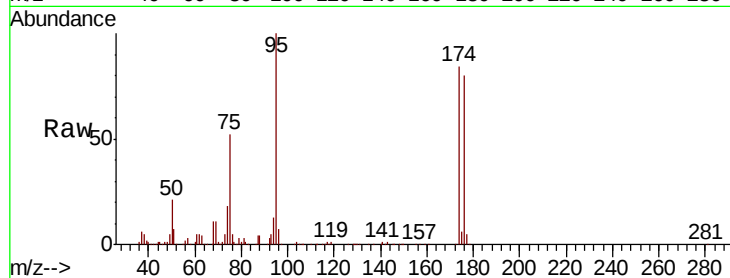
SOIL-COMP

Tot Ion: 75 Resp: 176332

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

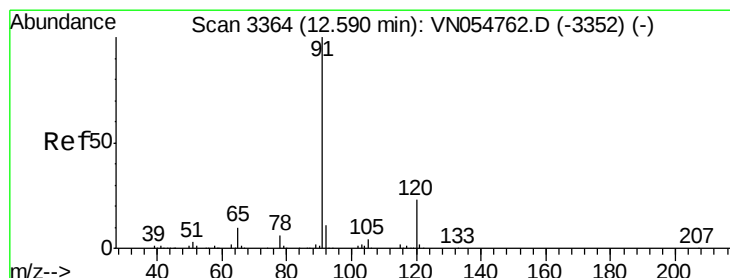
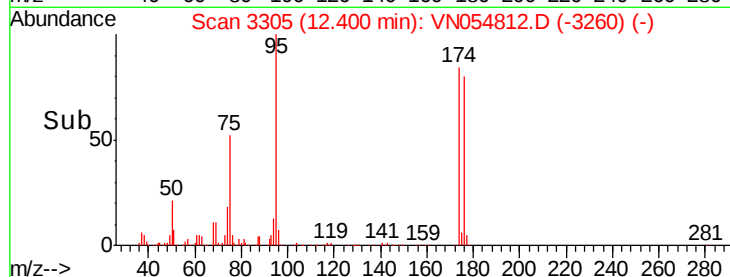
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 0.214 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.01 min

Lab File: VN054812.D

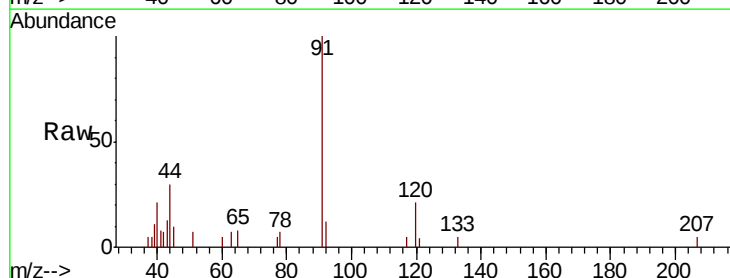
Acq: 30 Mar 2019 19:32

Tgt Ion: 91 Resp: 5507

Ion Ratio Lower Upper

91 100

120 27.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

6000

5000

4000

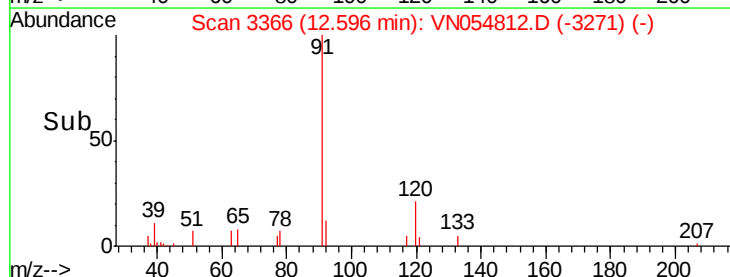
3000

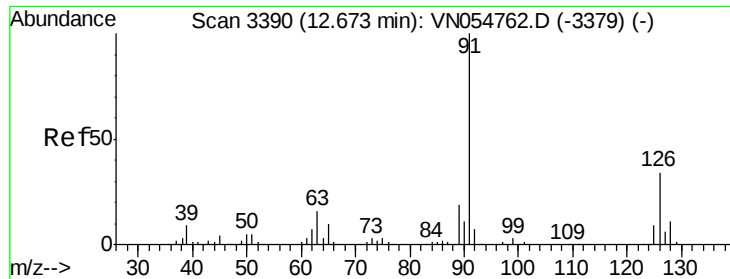
2000

1000

0

Time-->

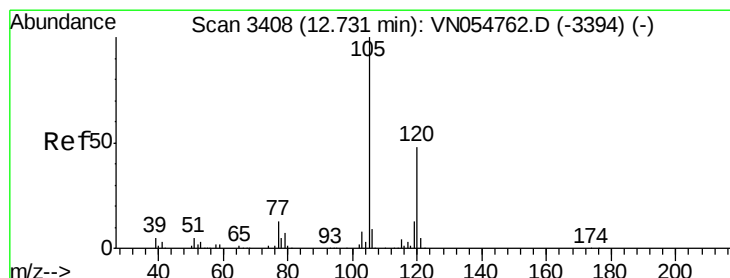
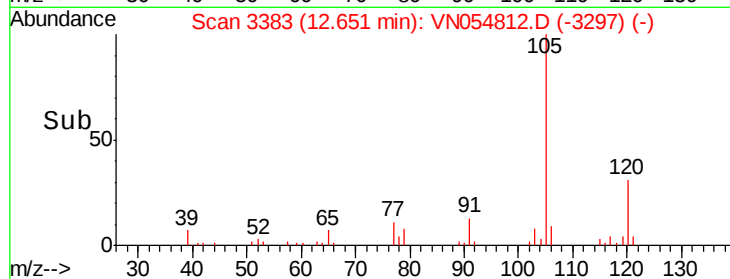
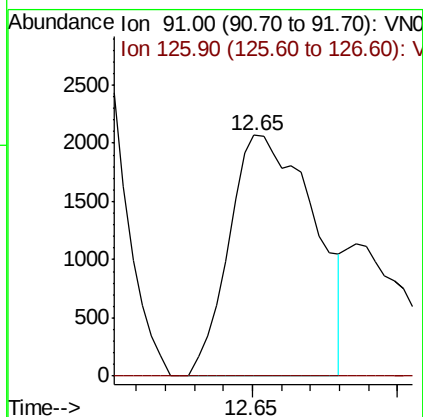
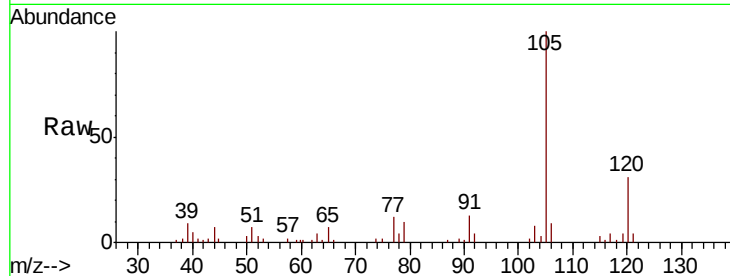




#79
 2-Chlorotoluene
 Concen: 0.263 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.02 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

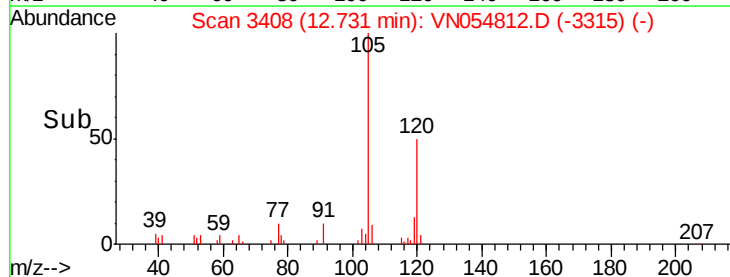
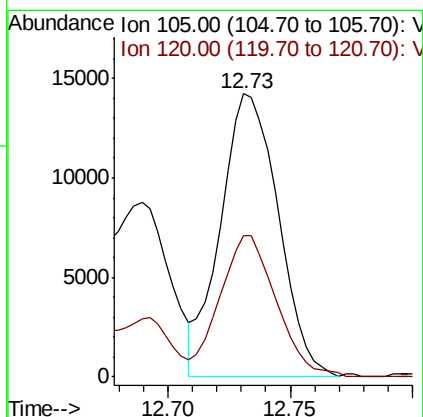
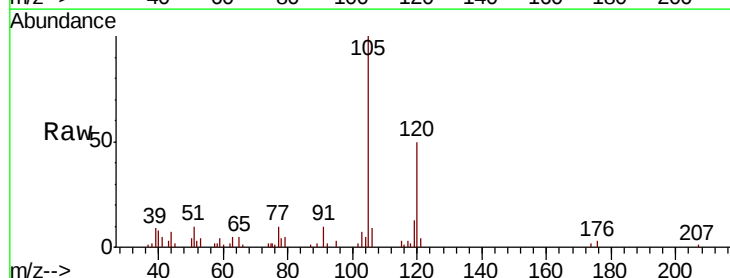
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-COMP

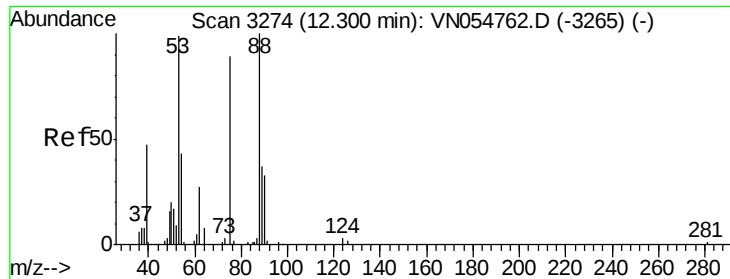
Tot Ion: 91 Resp: 4194
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.218 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Tgt Ion: 105 Resp: 23449
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.0 75.0

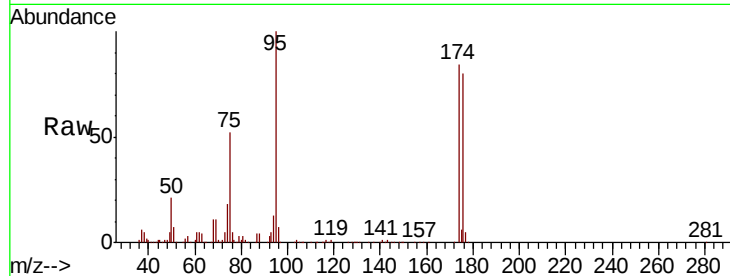




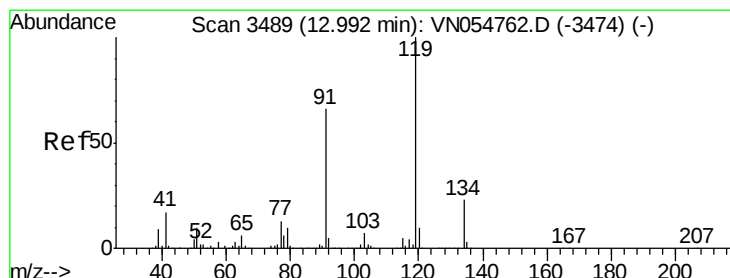
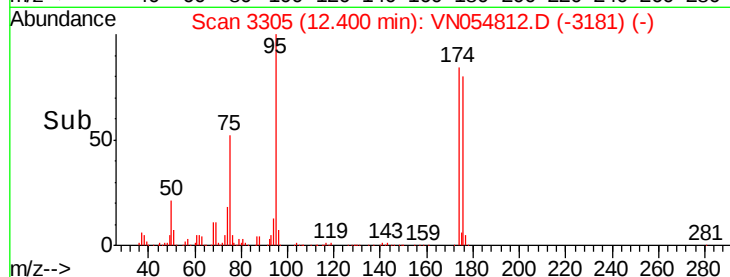
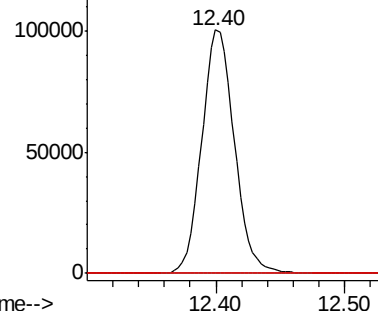
#81
trans-1,4-Dichloro-2-butene
Concen: 137.547 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Instrument :
MSVOA_N
ClientSampled :
SOIL-COMP

Tot Ion: 75 Resp: 176332
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#

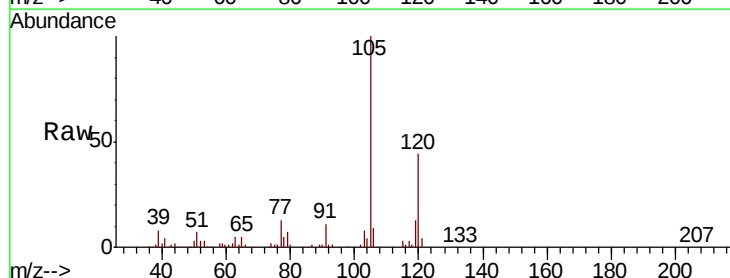


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

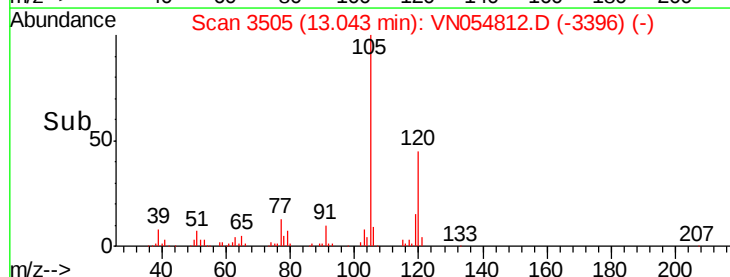
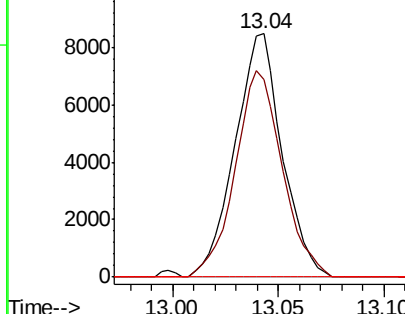


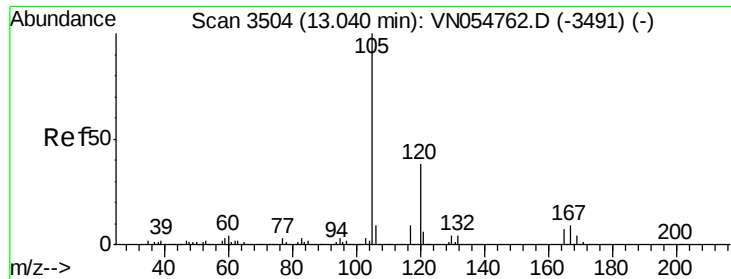
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3505
Delta R.T. 0.05 min
Lab File: VN054812.D
Acq: 30 Mar 2019 19:32

Tgt Ion: 119 Resp: 13178
Ion Ratio Lower Upper
119 100
91 84.7 30.9 92.8
134 0.0 13.2 39.6#



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

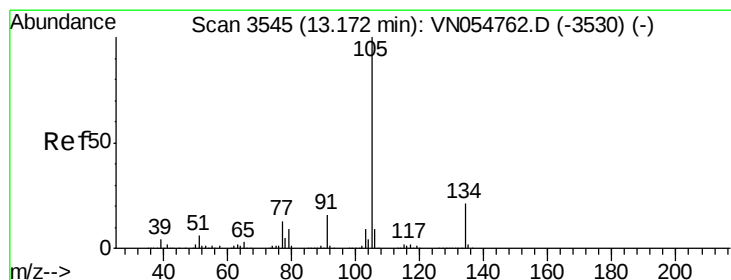
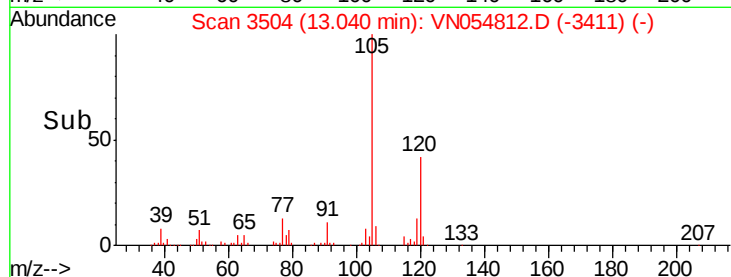
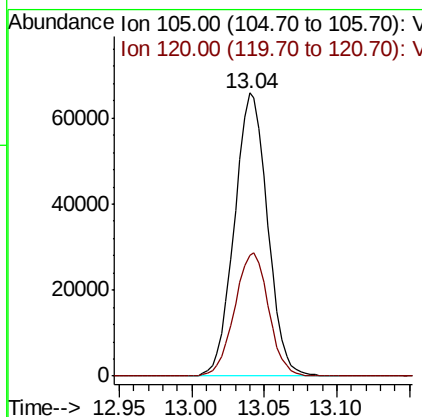
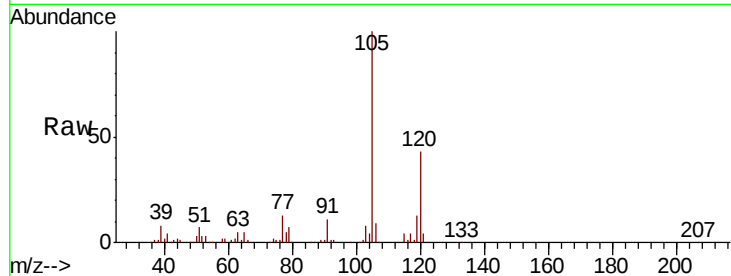




#84
 1,2,4-Trimethylbenzene
 Concen: 5.709 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

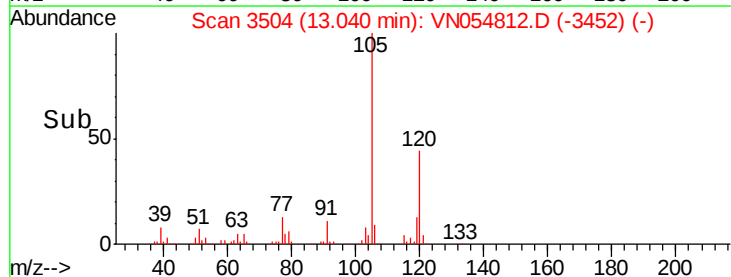
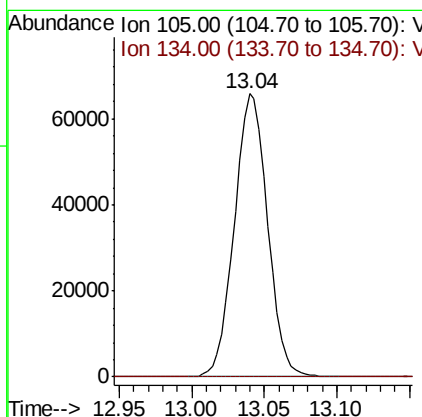
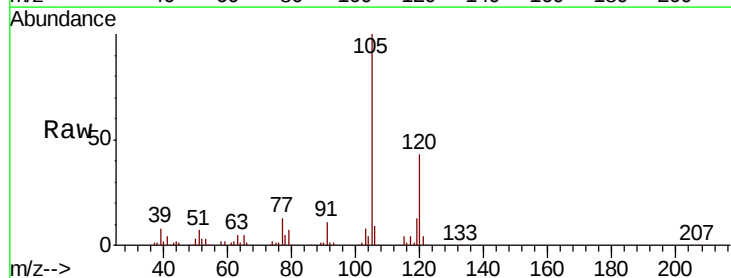
Instrument :
 MSVOA_N
 ClientSampled :
 SOIL-COMP

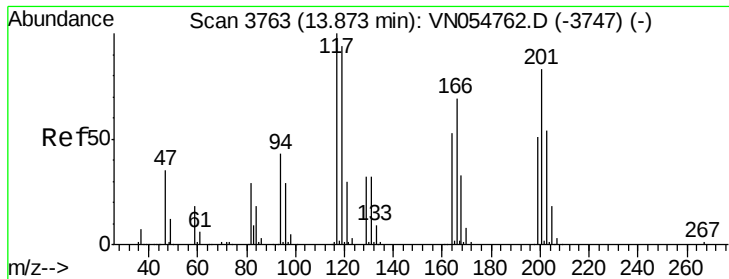
Tot Ion:105 Resp: 104701
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 5.007 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054812.D
 Acq: 30 Mar 2019 19:32

Tgt Ion:105 Resp: 104701
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 32.1#





#90

Hexachloroethane

Concen: 0.223 ug/l

RT: 13.89 min Scan# 3770

Delta R.T. 0.02 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

Instrument :

MSVOA_N

ClientSampleId :

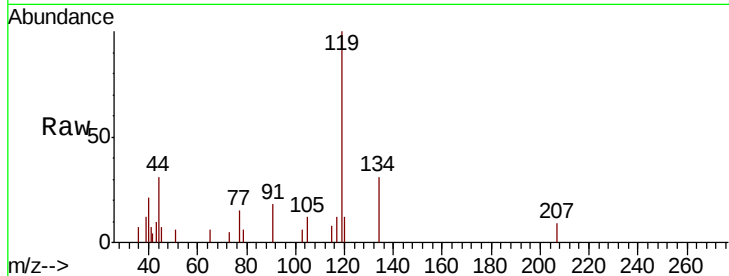
SOIL-COMP

Tot Ion:117 Resp: 698

Ion Ratio Lower Upper

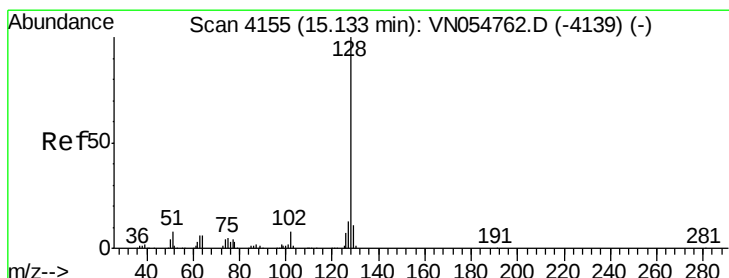
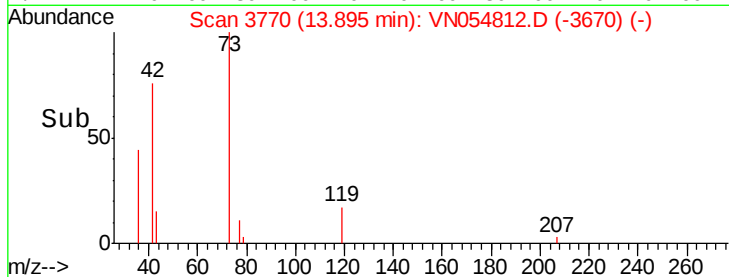
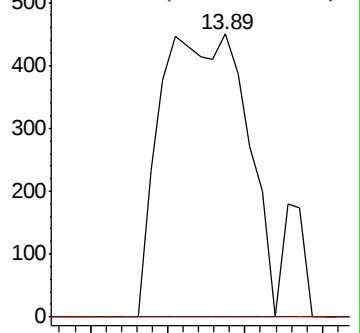
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.512 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054812.D

Acq: 30 Mar 2019 19:32

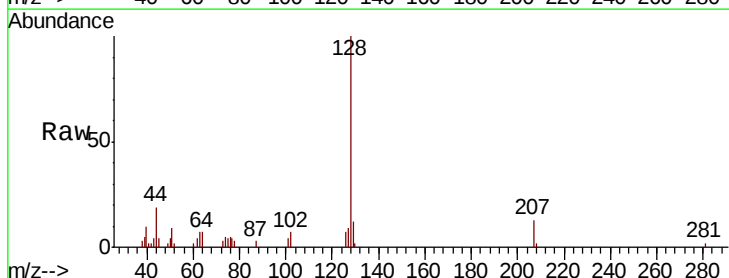
Tgt Ion:128 Resp: 15639

Ion Ratio Lower Upper

128 100

127 11.1 10.1 15.1

129 10.6 8.7 13.1



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

