

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053727.D
 Acq On : 12 Feb 2019 13:46
 Operator : JC/SP
 Sample : K1457-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SOIL-03

Quant Time: Feb 13 04:14:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	773157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1280987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1189809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	529583	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	410028	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	7.59	113	400179	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.09	98	1553457	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	538383	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	19514	1.712	ug/l #	27
16) Acetone	3.82	43	14569	7.323	ug/l	91
18) Methyl Acetate	4.33	43	2160	0.367	ug/l #	87
20) Methylene Chloride	4.55	84	509453	61.036	ug/l	98
25) 2-Butanone	6.84	43	3070	1.082	ug/l	92
29) Tetrahydrofuran	7.22	42	1026	0.563	ug/l #	67
31) Cyclohexane	7.67	56	11669	0.723	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46974	4.068	ug/l #	48
37) Ethyl Acetate	6.84	43	3070	0.476	ug/l #	67
38) Carbon Tetrachloride	7.67	117	61236	5.264	ug/l #	16
43) Isopropyl Acetate	8.17	43	39012	3.132	ug/l #	79
45) 1,2-Dichloropropane	9.27	63	2161	0.237	ug/l #	43
48) Methyl methacrylate	9.18	41	11113	1.869	ug/l #	12
49) 1,4-Dioxane	9.27	88	59	39.756	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	9432	1.541	ug/l #	34
52) Toluene	10.16	92	4976	0.235	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	76439	5.643	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	15798	1.214	ug/l #	43
59) 2-Hexanone	10.76	43	199569	48.032	ug/l #	50
67) Ethyl Benzene	11.51	91	320743	7.726	ug/l	99
68) m/p-Xylenes	11.62	106	647906	40.890	ug/l	100
69) o-Xylene	11.95	106	300709	19.644	ug/l	100
70) Styrene	11.95	104	18583	0.749	ug/l #	1
71) Bromoform	12.41	173	2876	0.475	ug/l #	1
73) Isopropylbenzene	12.25	105	17504	0.470	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	248752	36.570	ug/l #	100
78) n-propylbenzene	12.59	91	112932	2.624	ug/l	100
79) 2-Chlorotoluene	12.65	91	77930	3.052	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	468725	15.183	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	248752	102.831	ug/l #	15
82) 4-Chlorotoluene	12.73	91	46745	1.784	ug/l #	39
83) tert-Butylbenzene	13.04	119	307914	11.285	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	2486554	79.057	ug/l	100
85) sec-Butylbenzene	13.04	105	2486554	66.969	ug/l #	56

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

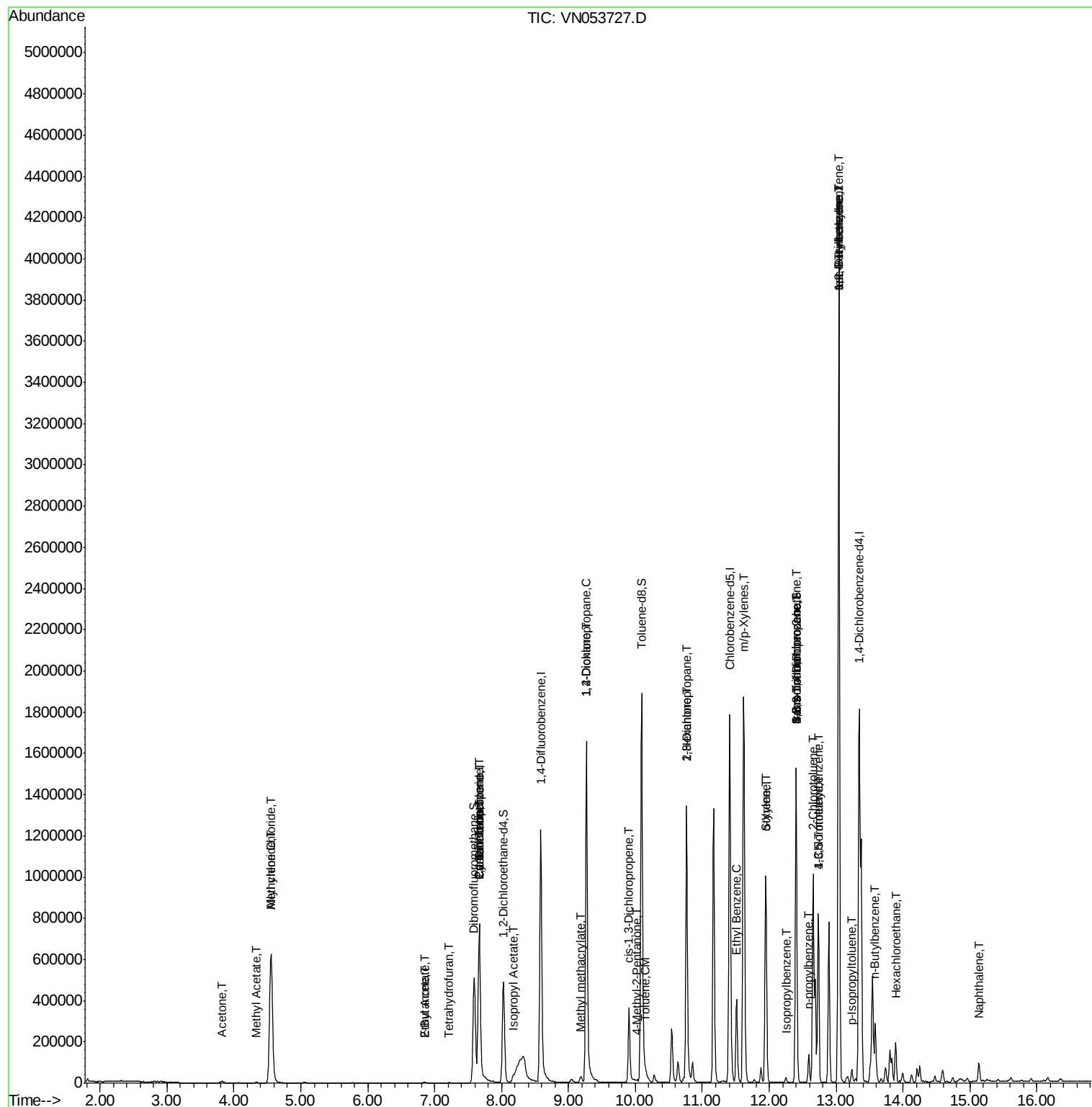
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.23	119	37441	1.153	ug/l	95
89) n-Butylbenzene	13.58	91	38780	1.380	ug/l #	1
90) Hexachloroethane	13.89	117	10934	2.041	ug/l #	3
95) Naphthalene	15.13	128	83654	5.207	ug/l	99

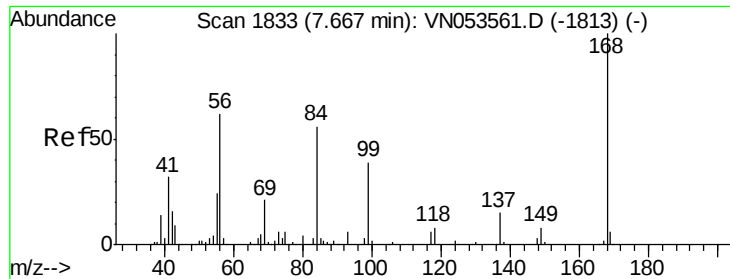
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

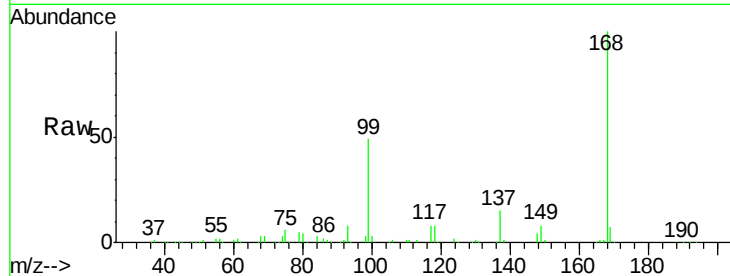
IDW-SOIL-03

Tot Ion:168 Resp: 773157

Ion Ratio Lower Upper

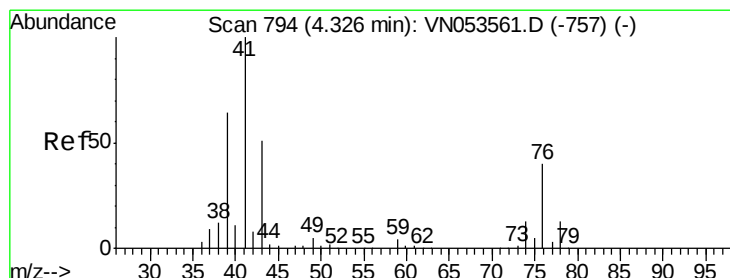
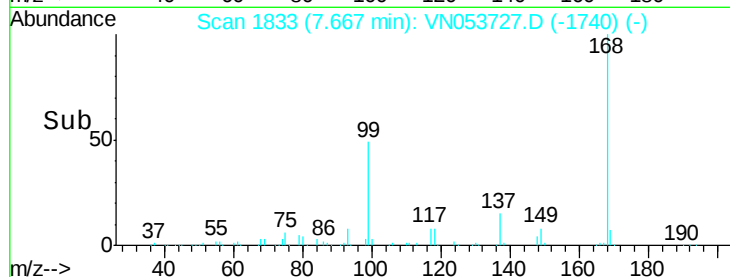
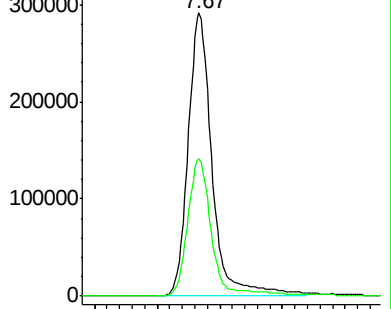
168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 1.712 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

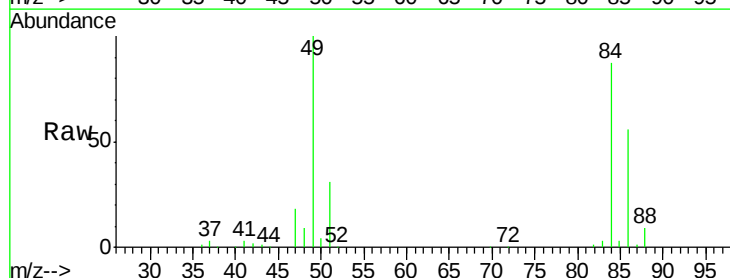
Tgt Ion: 41 Resp: 19514

Ion Ratio Lower Upper

41 100

39 0.1 48.9 73.3#

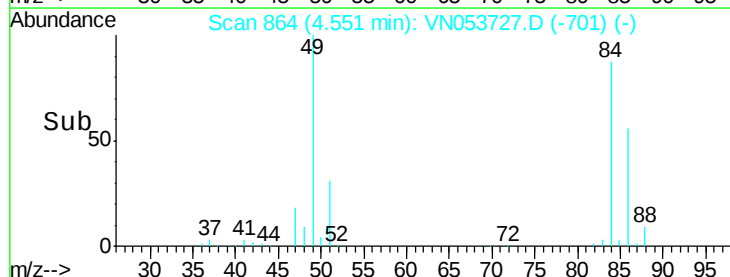
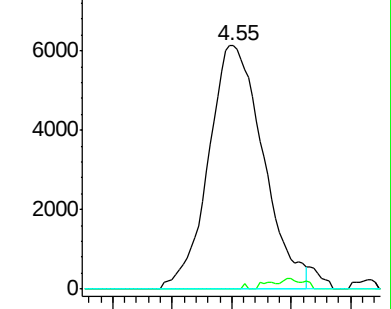
76 0.0 29.4 44.2#

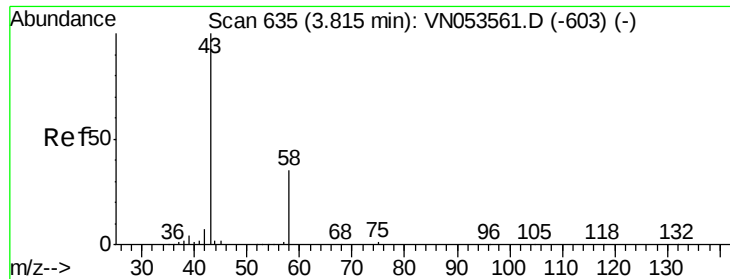


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#16

Acetone

Concen: 7.323 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

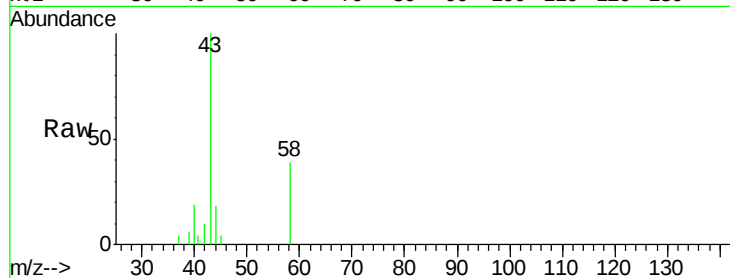
IDW-SOIL-03

Tot Ion: 43 Resp: 14569

Ion Ratio Lower Upper

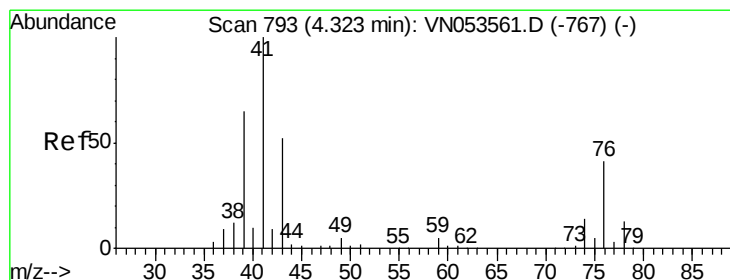
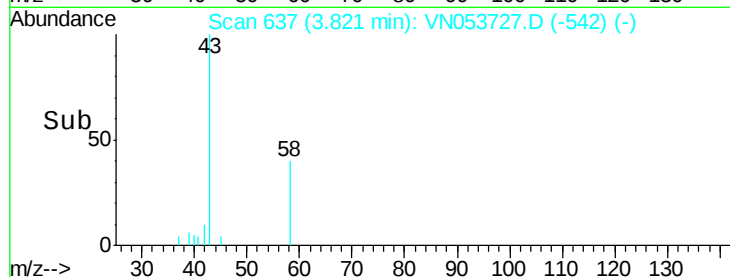
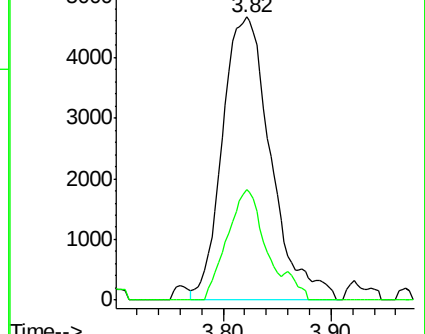
43 100

58 39.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.367 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053727.D

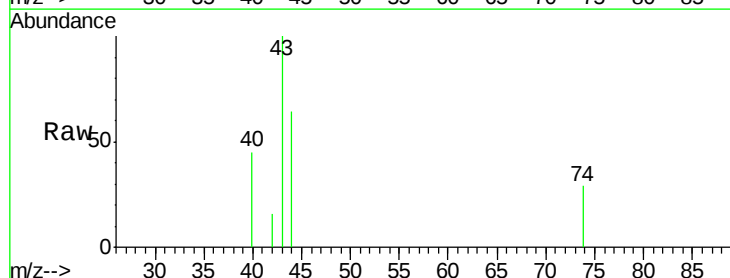
Acq: 12 Feb 2019 13:46

Tgt Ion: 43 Resp: 2160

Ion Ratio Lower Upper

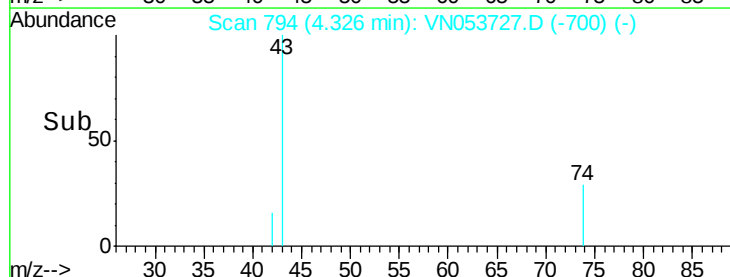
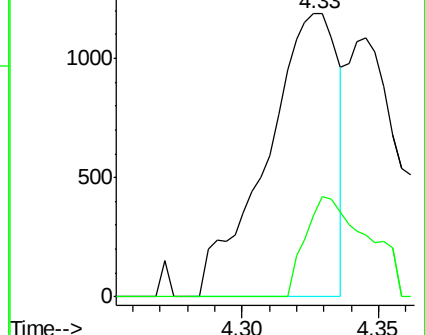
43 100

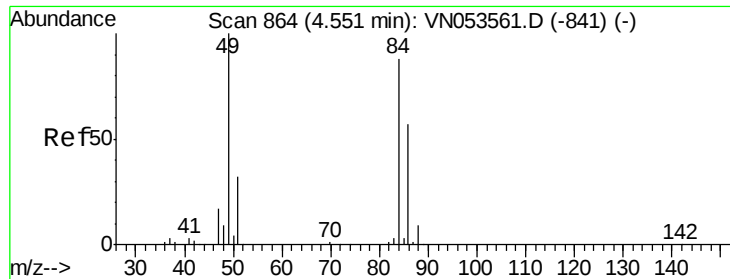
74 30.7 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

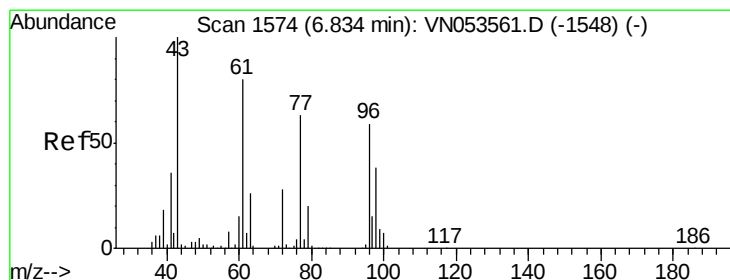
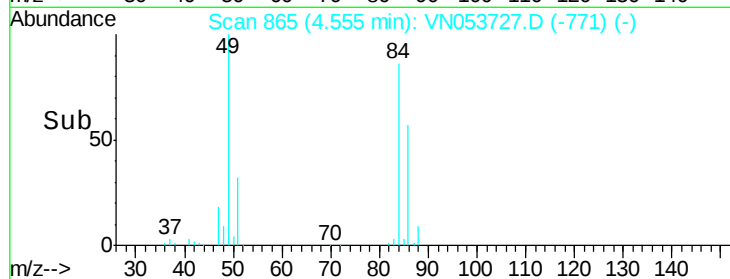
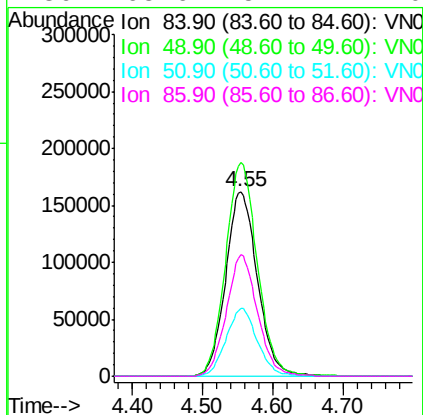
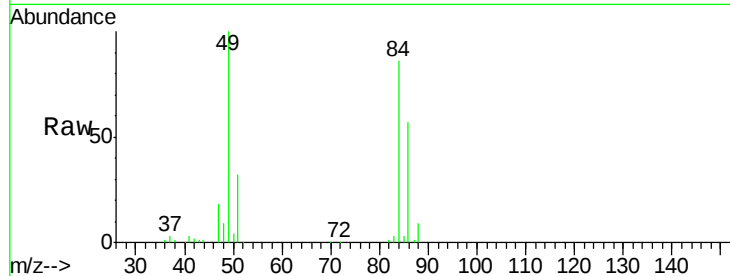




#20
Methvlene Chloride
Concen: 61.036 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

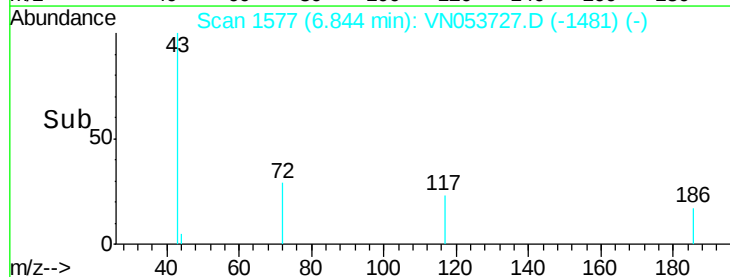
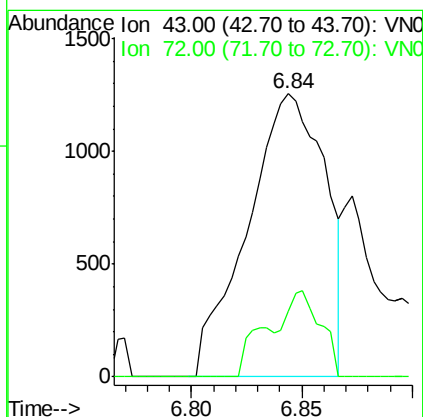
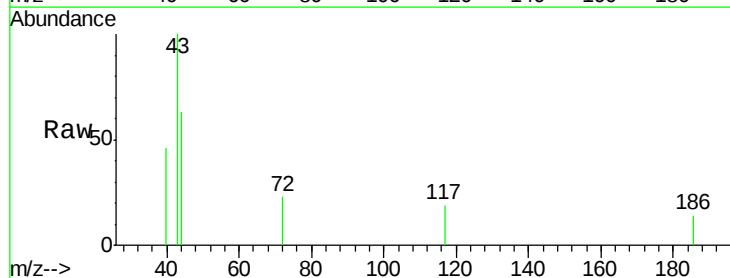
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-03

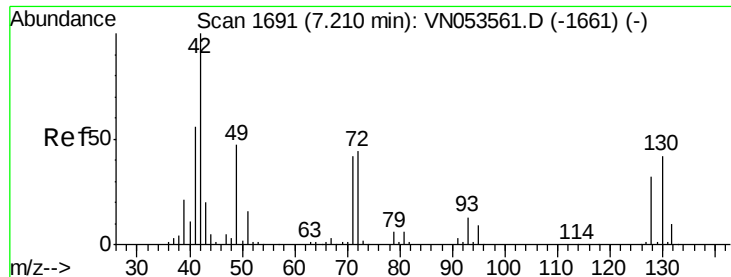
Tot Ion: 84 Resp: 509453
Ion Ratio Lower Upper
84 100
49 115.8 94.3 141.5
51 36.8 29.4 44.2
86 65.6 51.4 77.0



#25
2-Butanone
Concen: 1.082 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 43 Resp: 3070
Ion Ratio Lower Upper
43 100
72 23.4 22.0 33.0

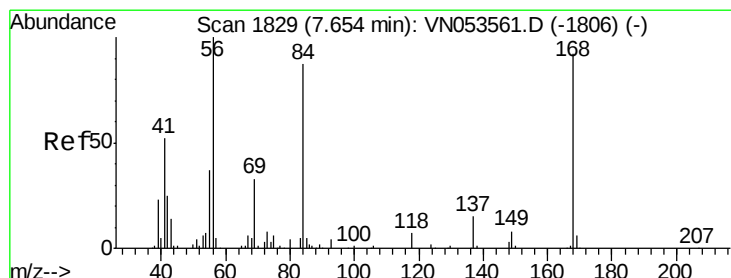
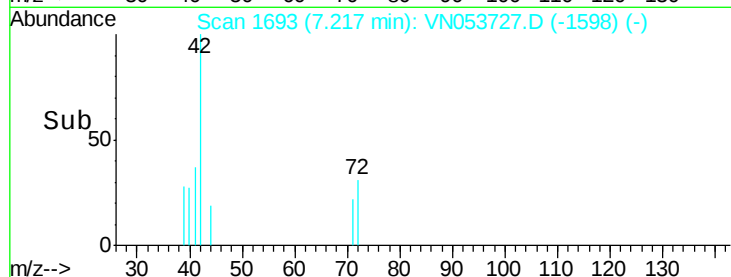
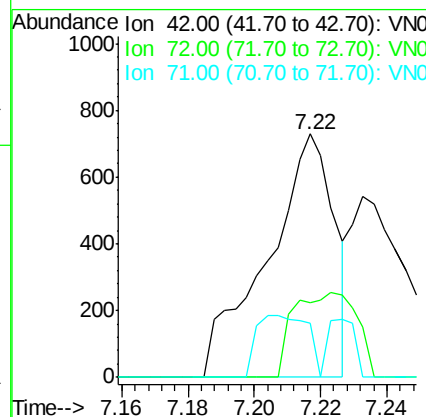
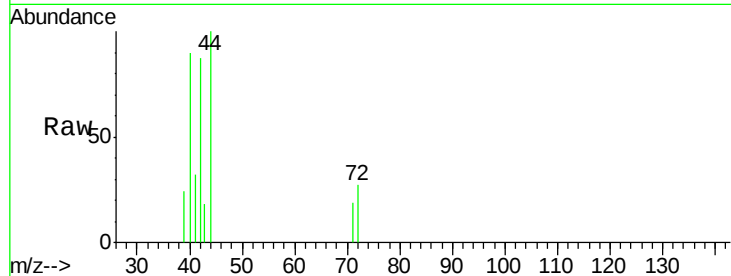




#29
Tetrahydrofuran
Concen: 0.563 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

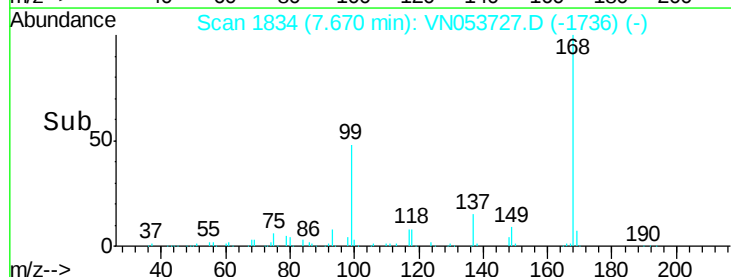
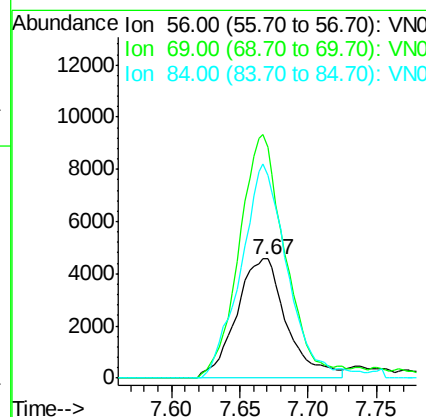
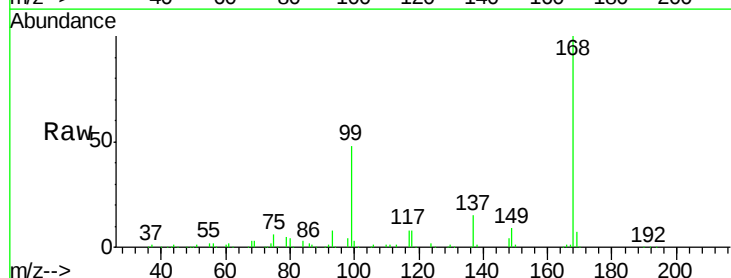
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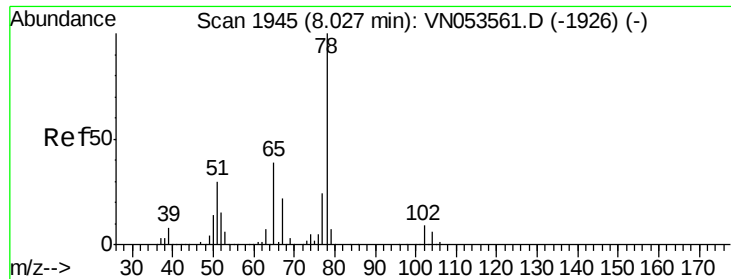
Tot Ion: 42 Resp: 1026
Ion Ratio Lower Upper
42 100
72 32.7 35.2 52.8#
71 9.5 33.0 49.4#



#31
Cyclohexane
Concen: 0.723 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 56 Resp: 11669
Ion Ratio Lower Upper
56 100
69 193.1 26.4 39.6#
84 169.5 67.9 101.9#

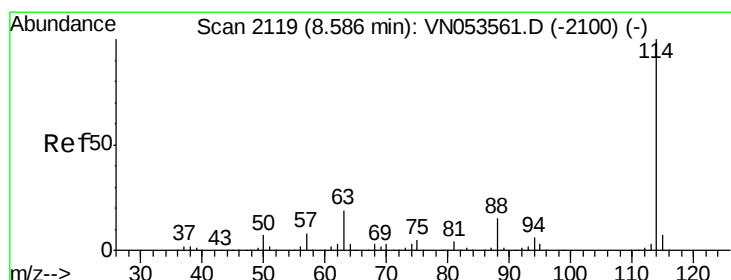
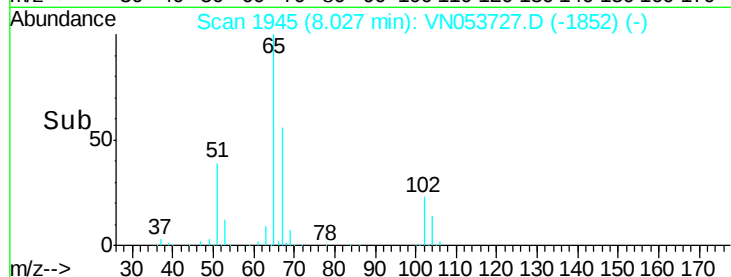
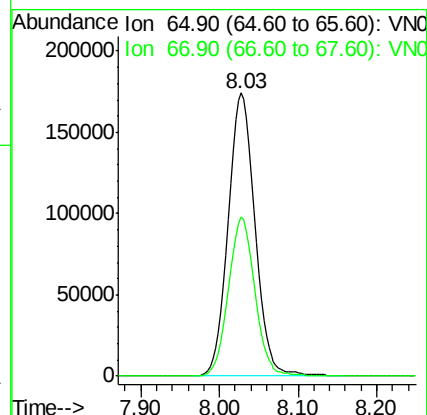
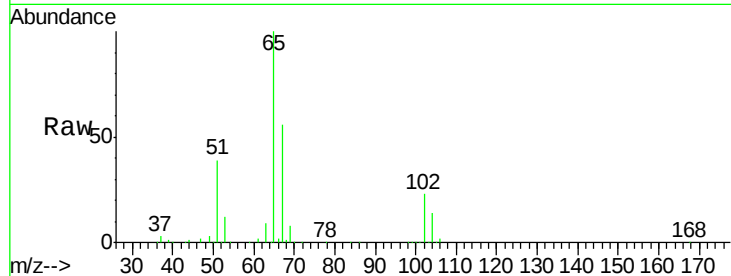




#33
 1,2-Dichloroethane-d4
 Concen: 52.864 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053727.D
 Acq: 12 Feb 2019 13:46

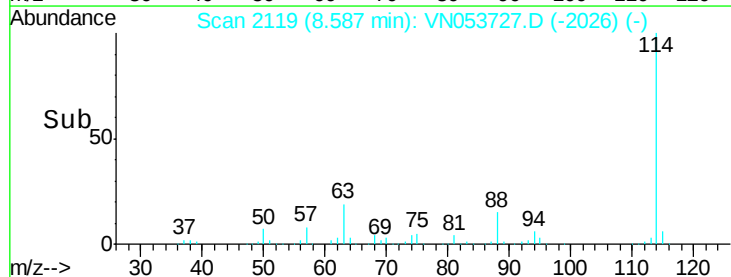
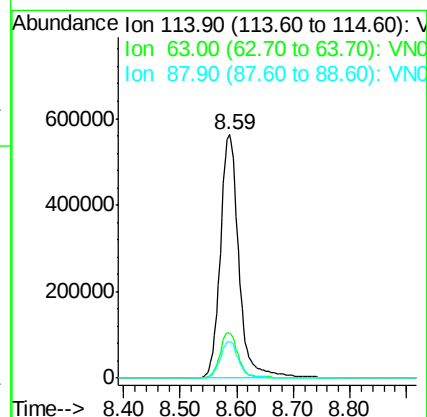
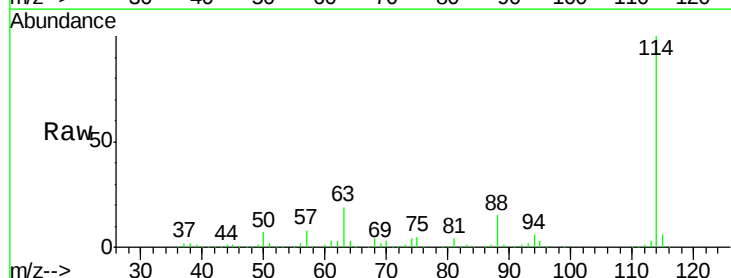
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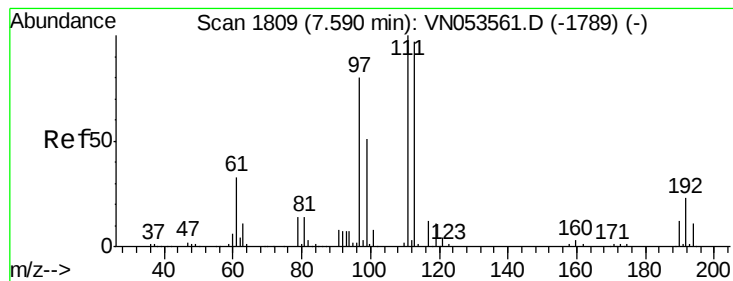
Tot Ion: 65 Resp: 410028
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053727.D
 Acq: 12 Feb 2019 13:46

Tgt Ion: 114 Resp: 1280987
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.440 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

IDW-SOIL-03

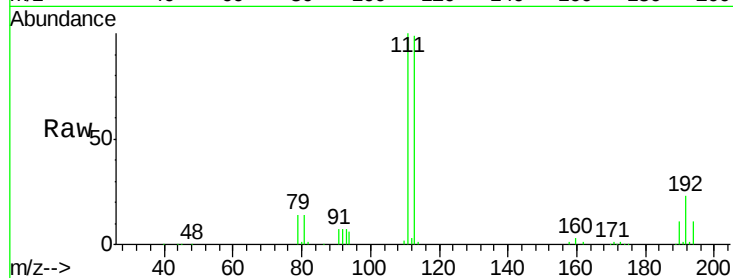
Tot Ion:113 Resp: 400179

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

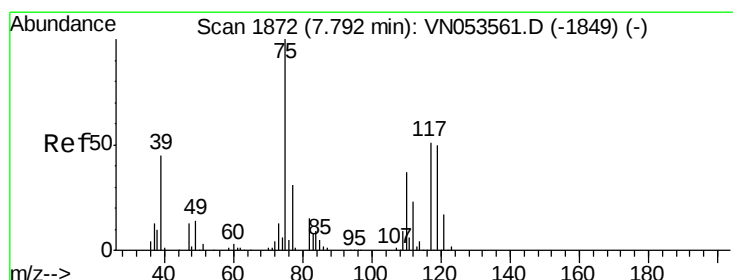
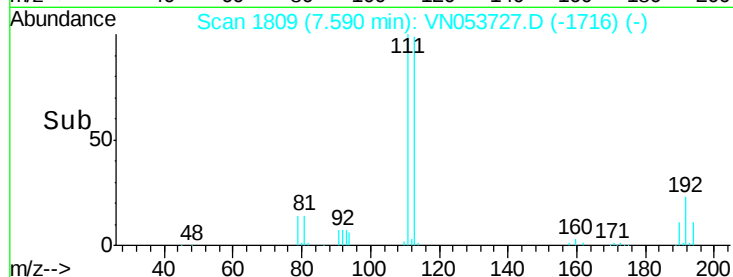
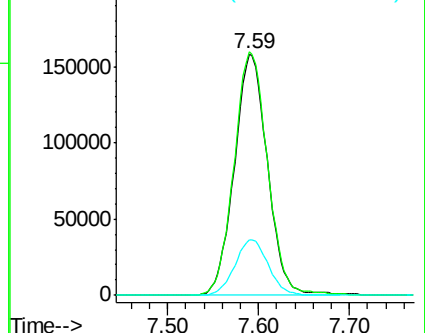
192 23.4 18.2 27.2



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: 4.068 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

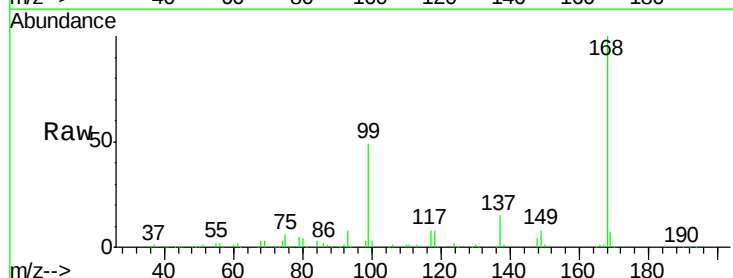
Tgt Ion: 75 Resp: 46974

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.3#

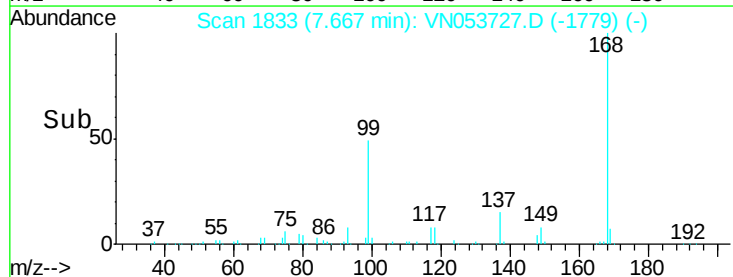
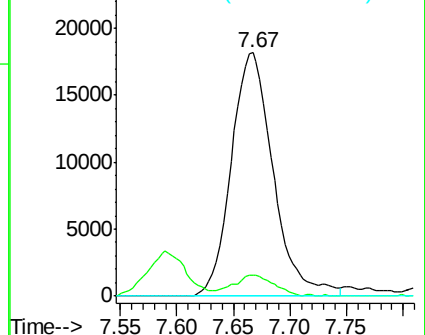
77 0.0 25.1 37.7#

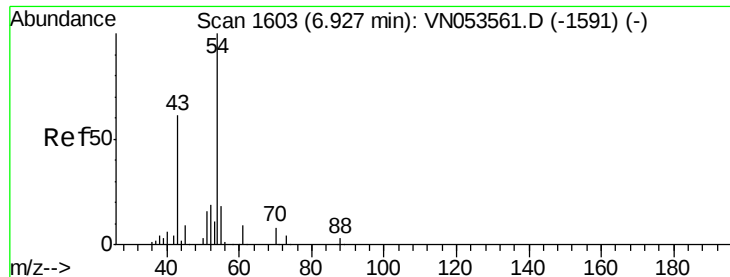


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.476 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.08 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

IDW-SOIL-03

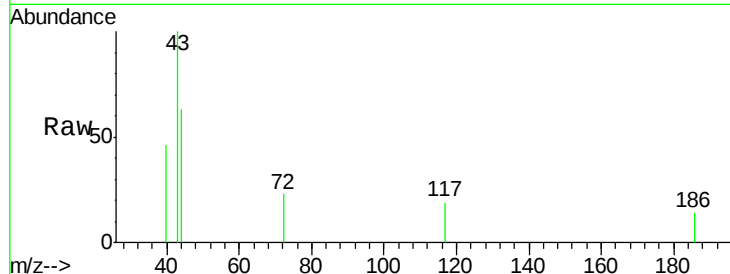
Tot Ion: 43 Resp: 3070

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

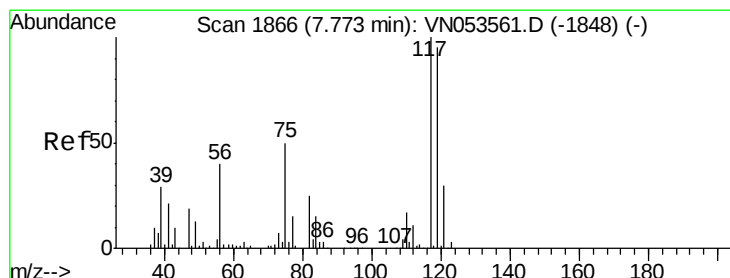
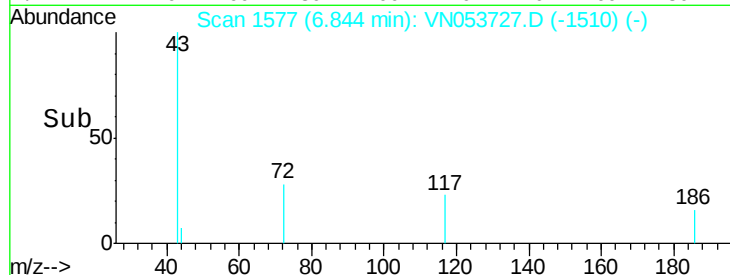
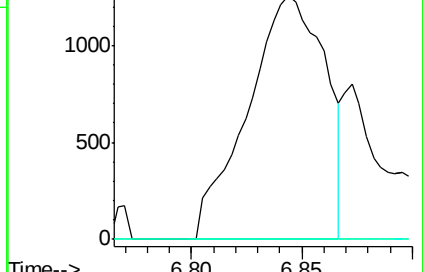
70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053727.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053727.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053727.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 5.264 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

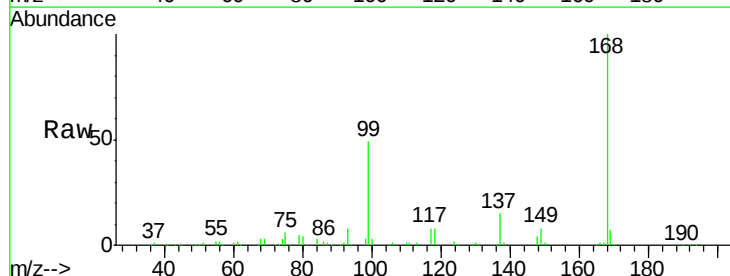
Tgt Ion: 117 Resp: 61236

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

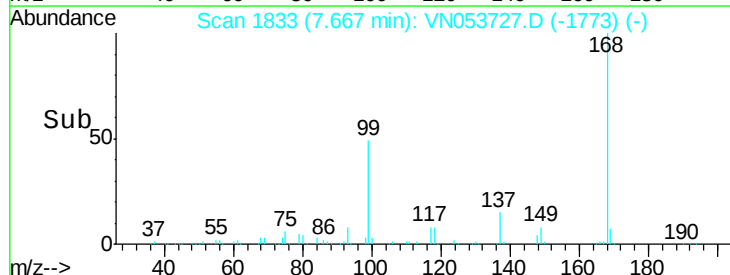
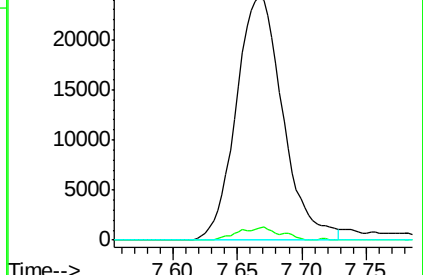
121 0.0 24.6 37.0#

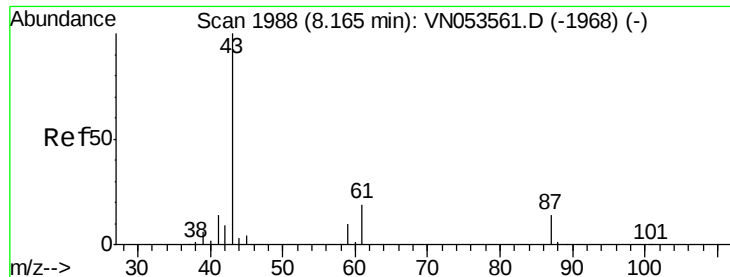


Abundance Ion 116.80 (116.50 to 117.50): VN053727.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053727.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053727.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.132 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

IDW-SOIL-03

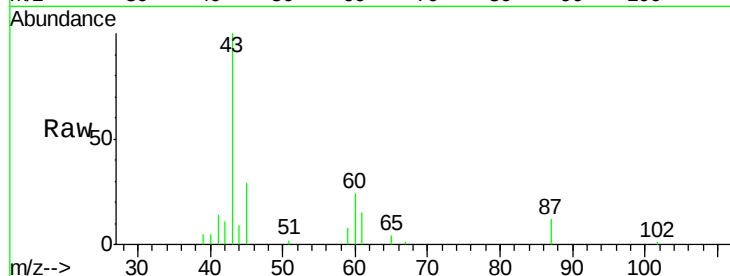
Tot Ion: 43 Resp: 39012

Ion Ratio Lower Upper

43 100

61 15.9 23.9 35.9#

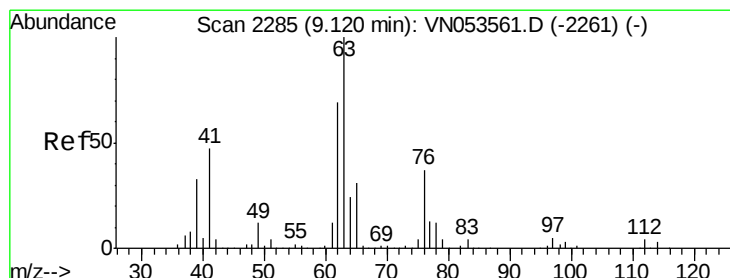
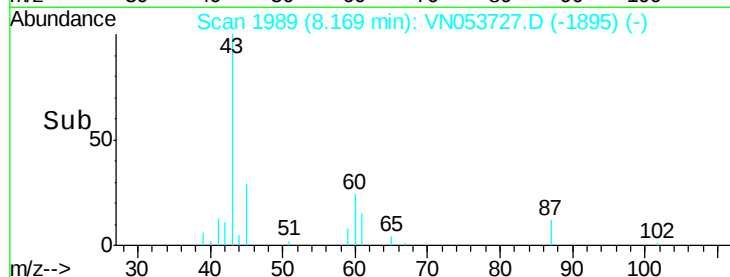
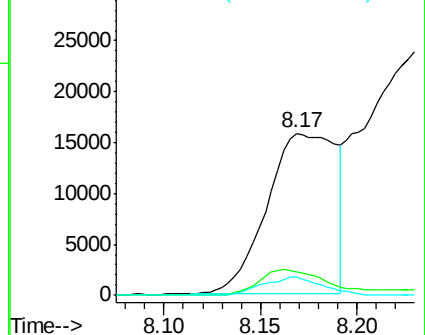
87 9.9 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.237 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053727.D

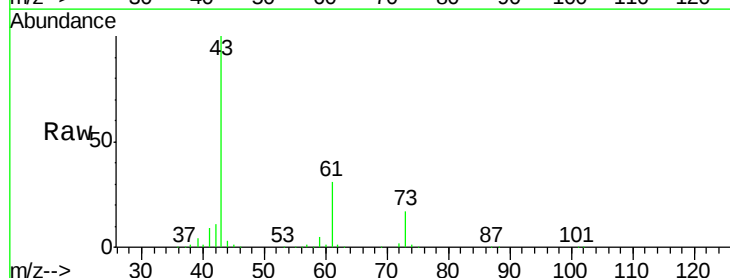
Acq: 12 Feb 2019 13:46

Tgt Ion: 63 Resp: 2161

Ion Ratio Lower Upper

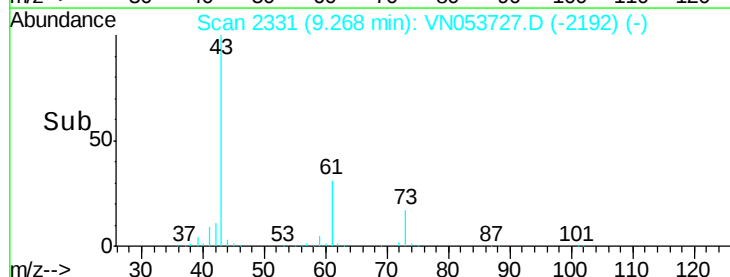
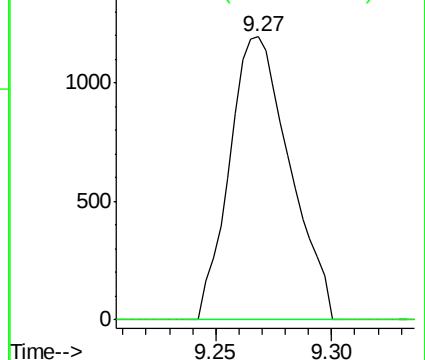
63 100

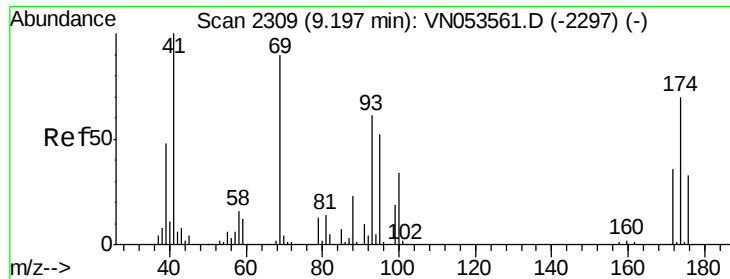
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

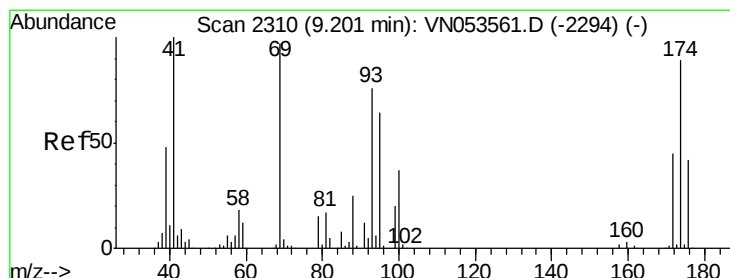
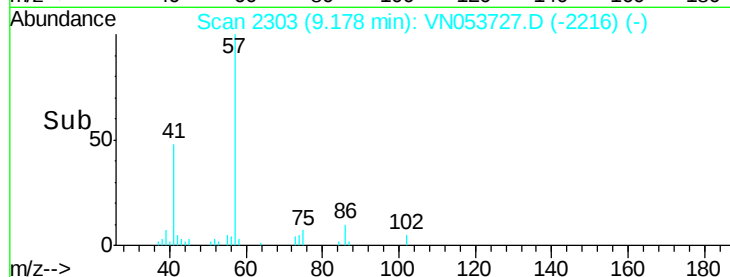
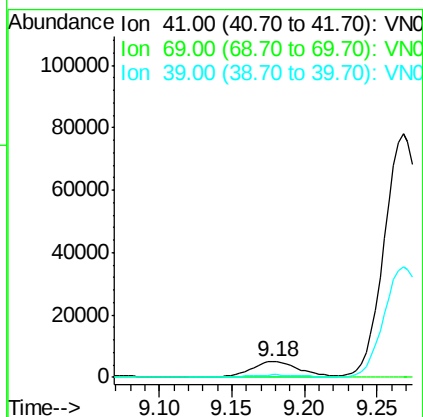
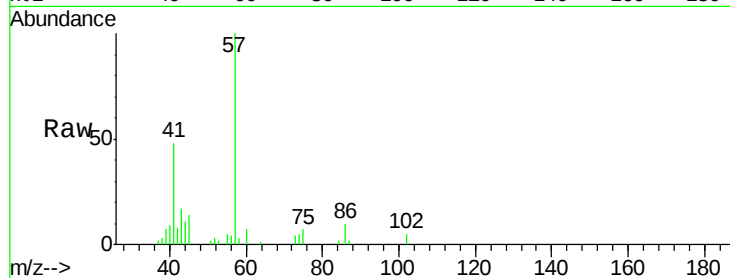




#48
Methvl methacrylate
Concen: 1.869 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

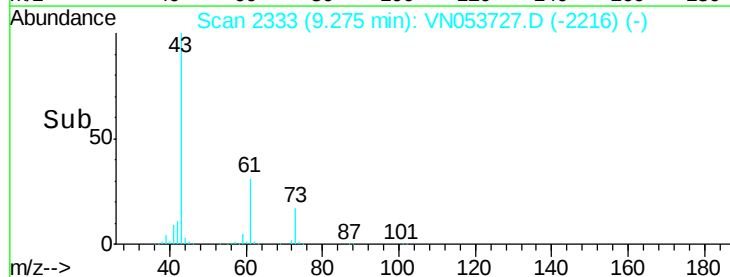
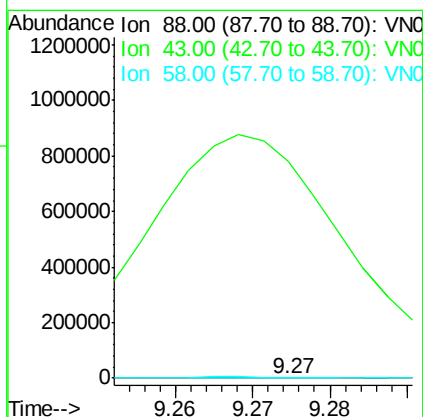
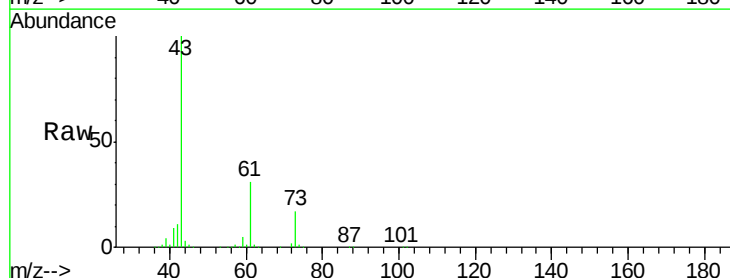
Instrument :
MSVOA_N
ClientSampleId :
IDW-SOIL-03

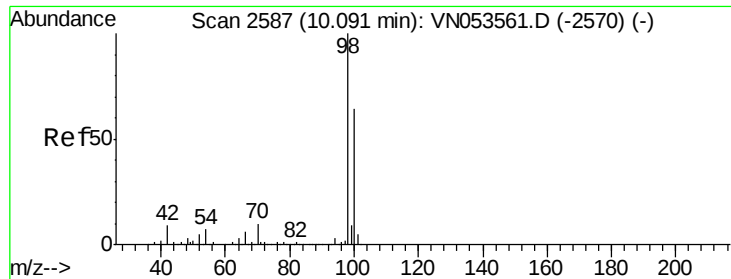
Tot Ion: 41 Resp: 11113
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#49
1,4-Dioxane
Concen: 39.756 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 3017593.2 27.8 41.6#
58 13503.4 56.5 84.7#





#50

Toluene-d8

Concen: 51.114 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

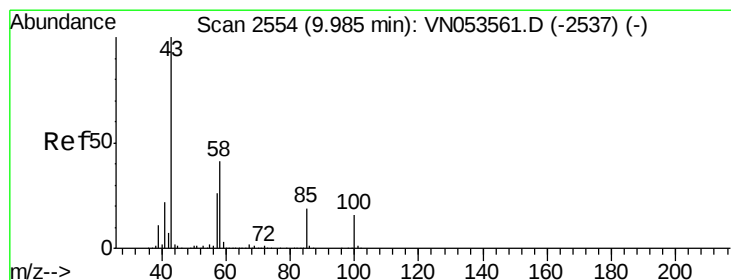
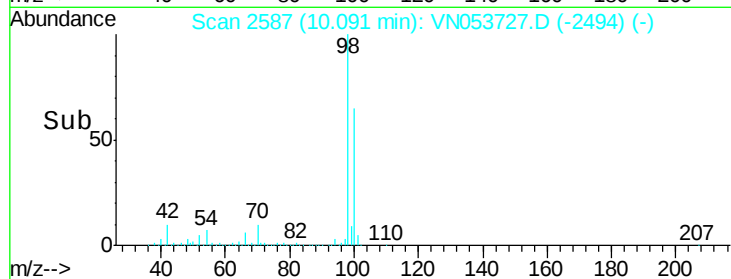
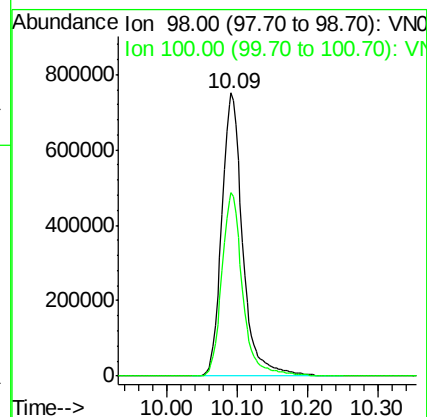
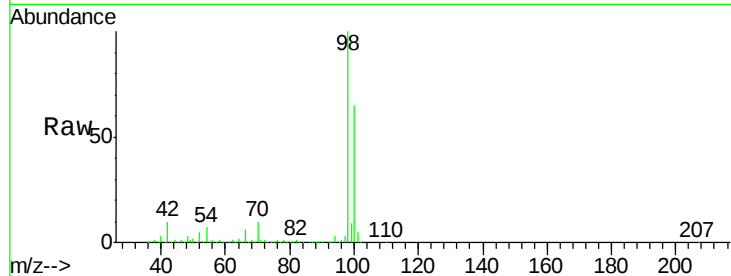
IDW-SOIL-03

Tot Ion: 98 Resp: 1553457

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 1.541 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053727.D

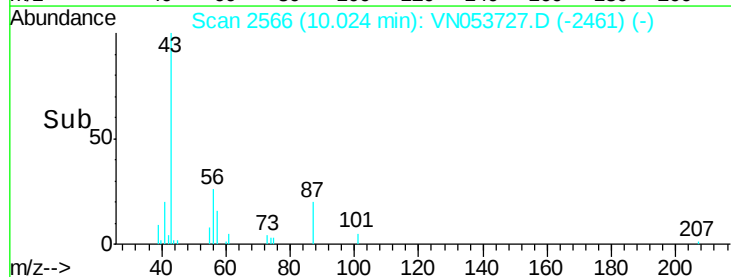
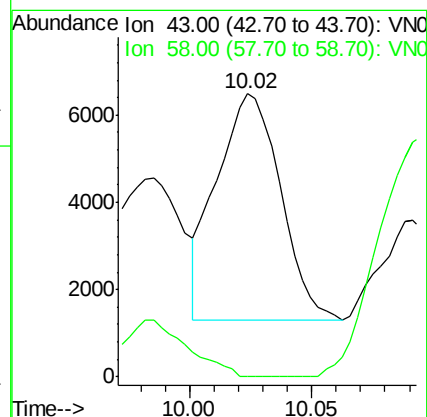
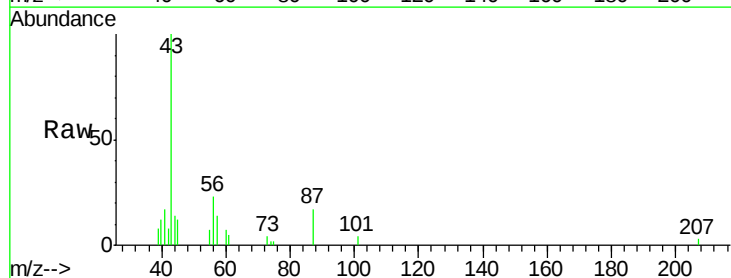
Acq: 12 Feb 2019 13:46

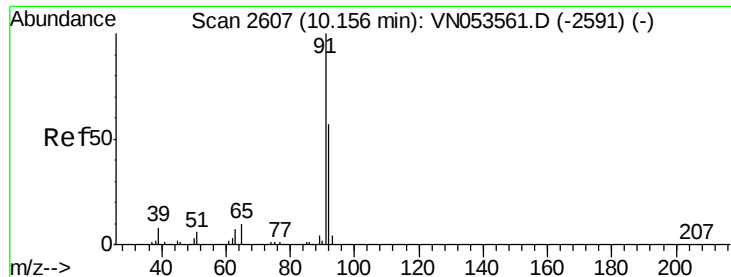
Tgt Ion: 43 Resp: 9432

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#





#52

Toluene

Concen: 0.235 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

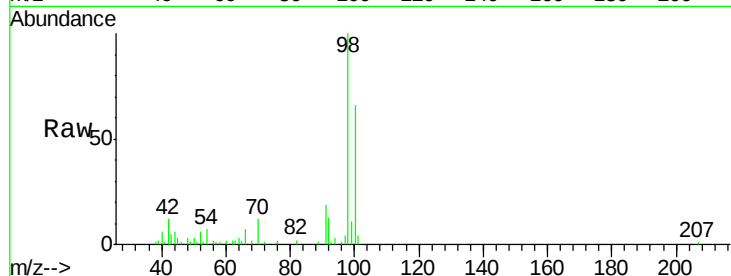
IDW-SOIL-03

Tot Ion: 92 Resp: 4976

Ion Ratio Lower Upper

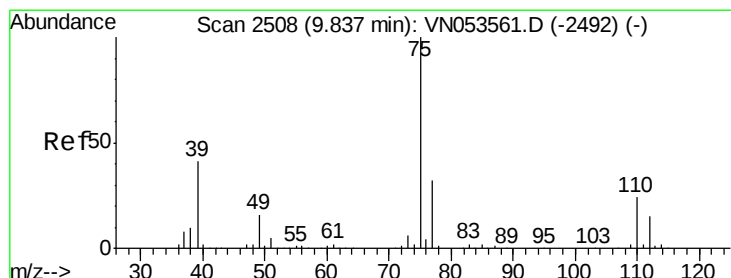
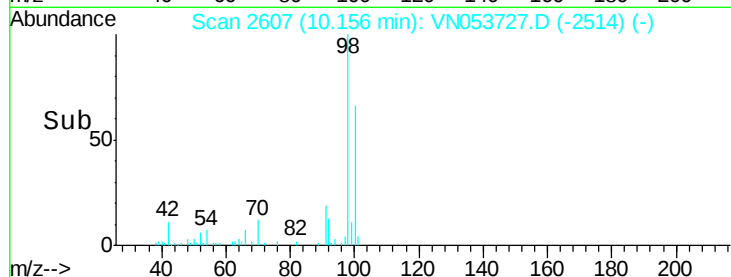
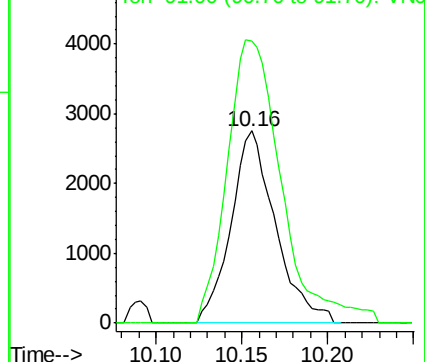
92 100

91 179.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.643 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

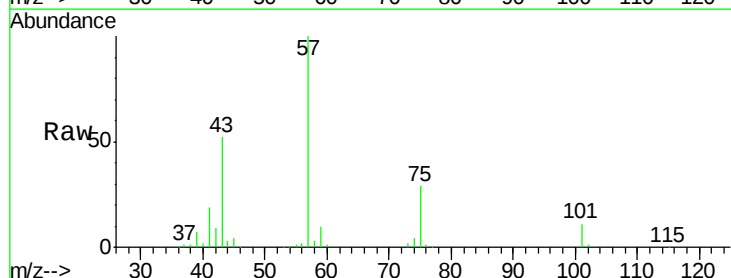
Tgt Ion: 75 Resp: 76439

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

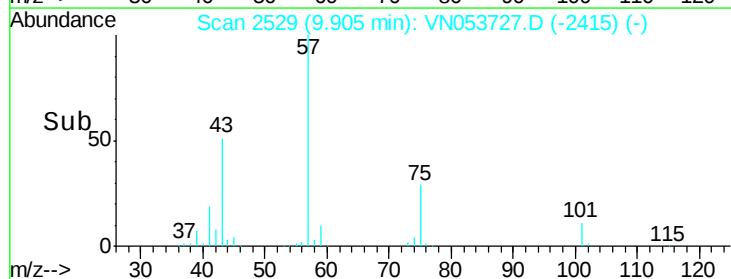
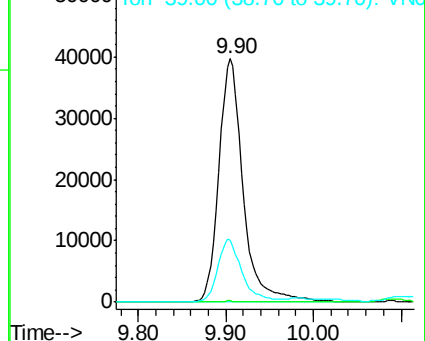
39 25.4 33.4 50.0#

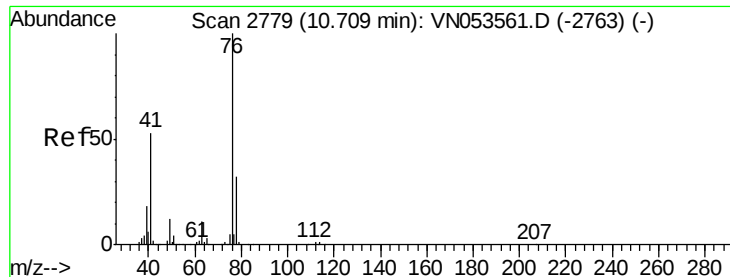


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

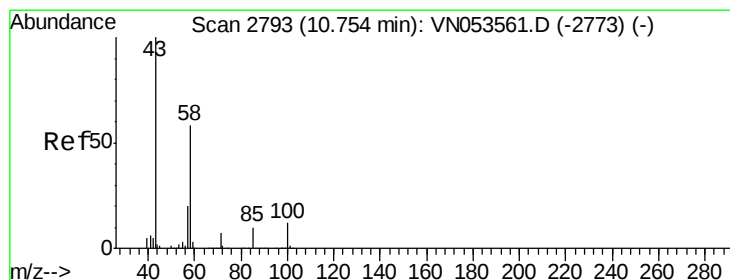
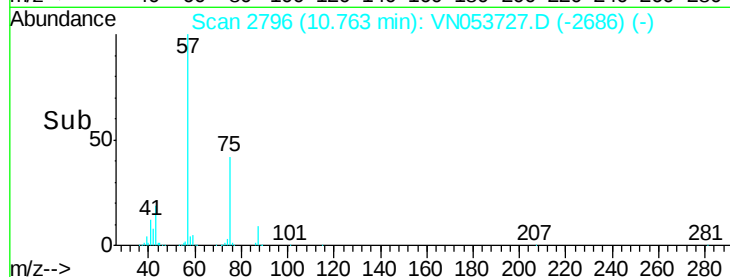
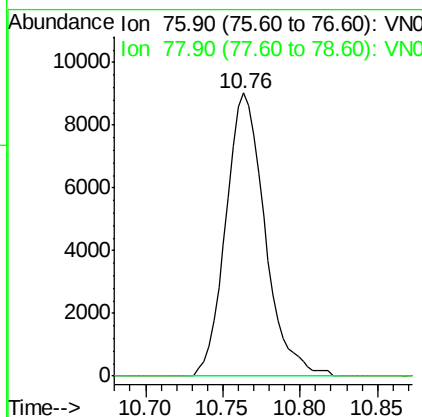
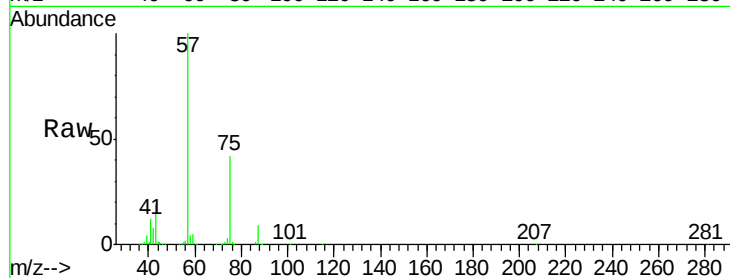




#57
 1,3-Dichloropropane
 Concen: 1.214 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053727.D
 Acq: 12 Feb 2019 13:46

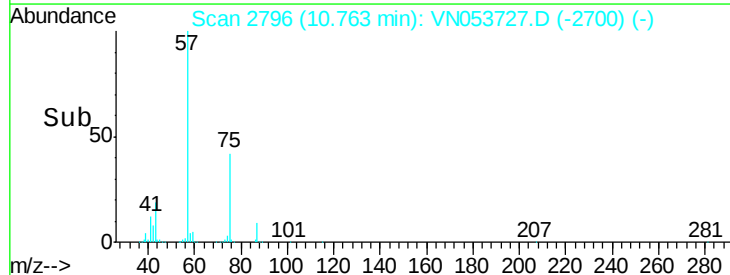
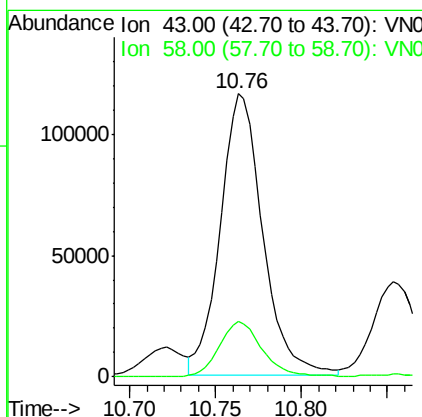
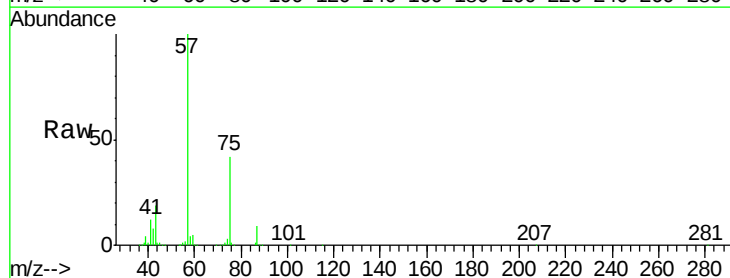
Instrument :
 MSVOA_N
 ClientSampleId :
 IDW-SOIL-03

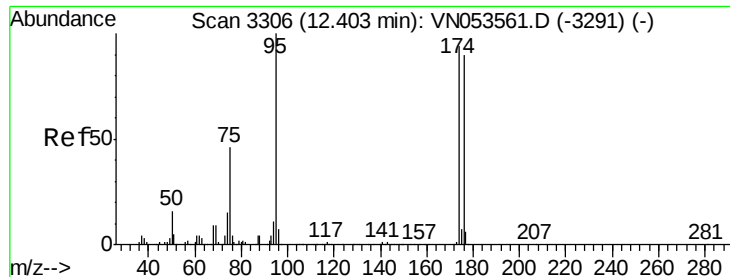
Tot Ion: 76 Resp: 15798
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 48.032 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053727.D
 Acq: 12 Feb 2019 13:46

Tgt Ion: 43 Resp: 199569
 Ion Ratio Lower Upper
 43 100
 58 20.2 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 53.115 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

IDW-SOIL-03

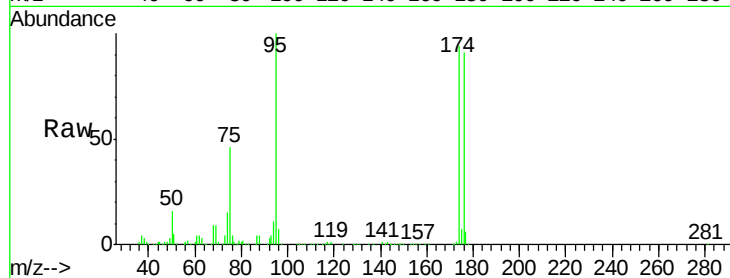
Tot Ion: 95 Resp: 538383

Ion Ratio Lower Upper

95 100

174 93.1 0.0 183.2

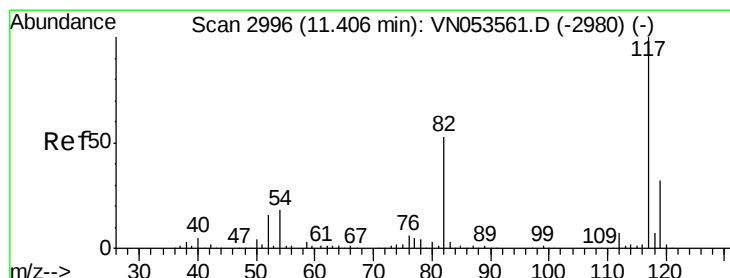
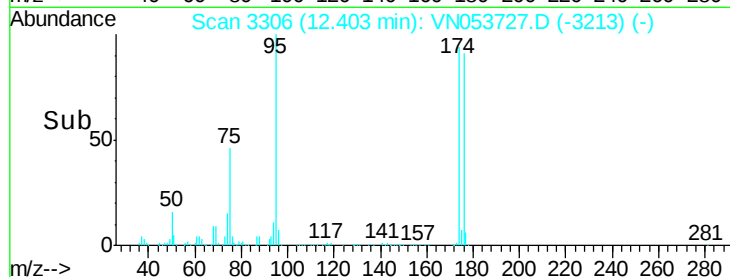
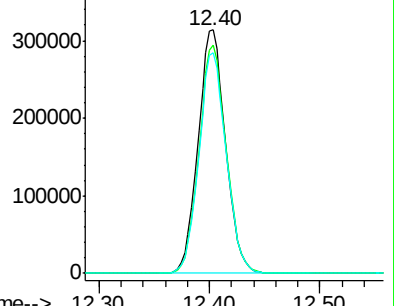
176 90.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053727.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053727.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053727.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

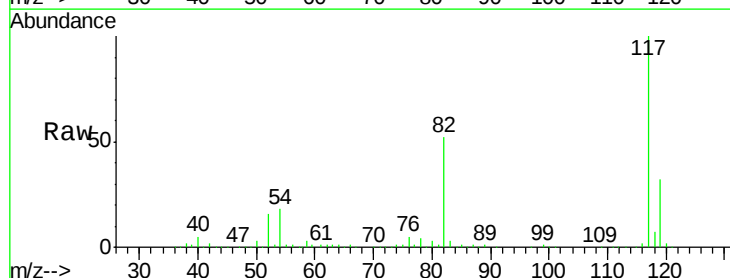
Tgt Ion: 117 Resp: 1189809

Ion Ratio Lower Upper

117 100

82 52.1 42.9 64.3

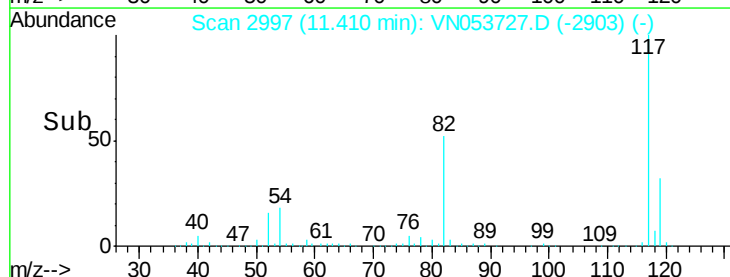
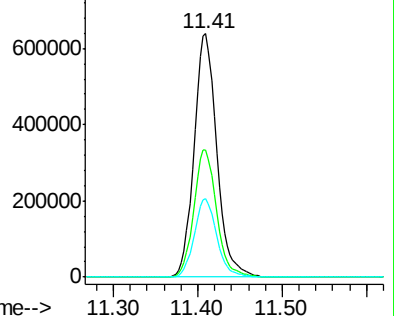
119 32.2 26.0 39.0

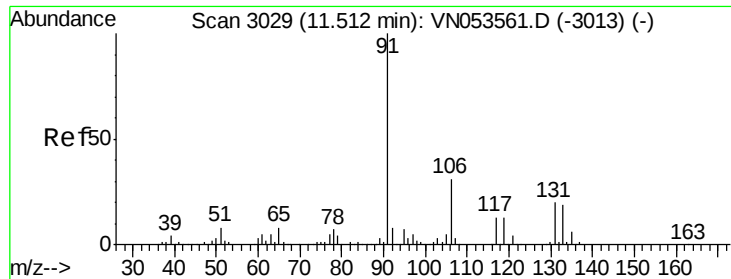


Abundance Ion 116.90 (116.60 to 117.60): VN053727.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053727.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053727.D (-2903) (-)

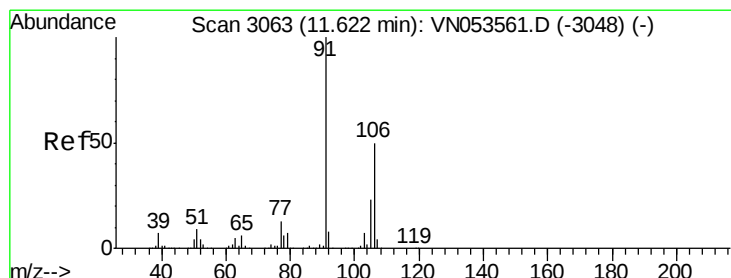
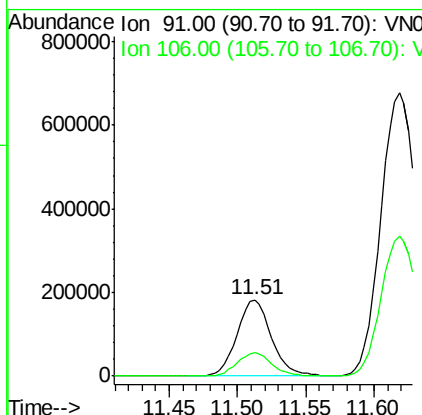
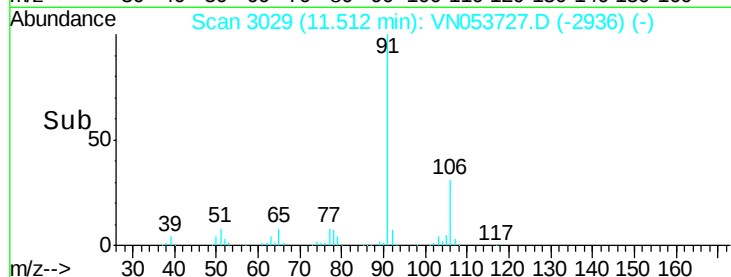
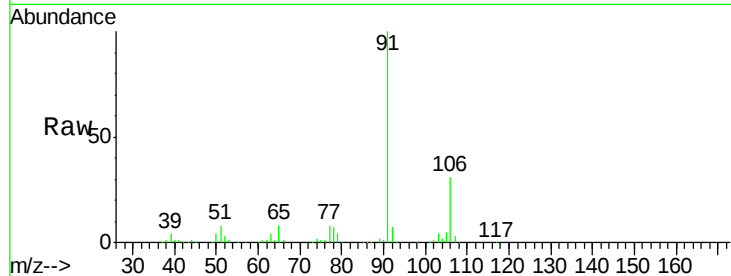




#67
Ethyl Benzene
Concen: 7.726 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

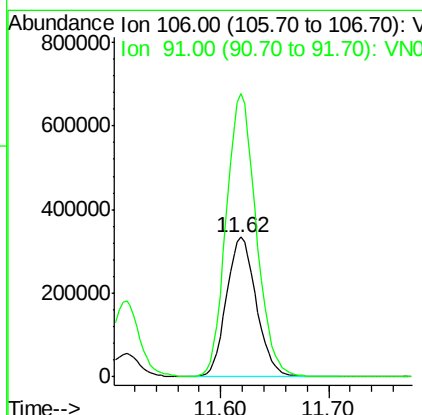
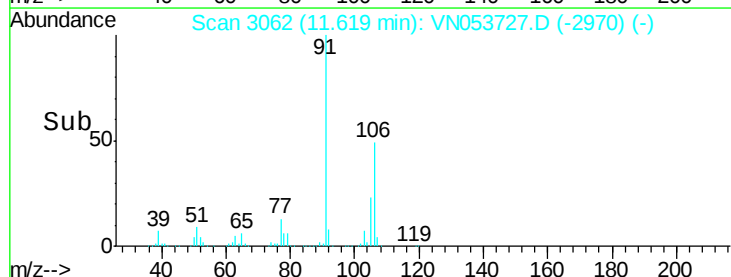
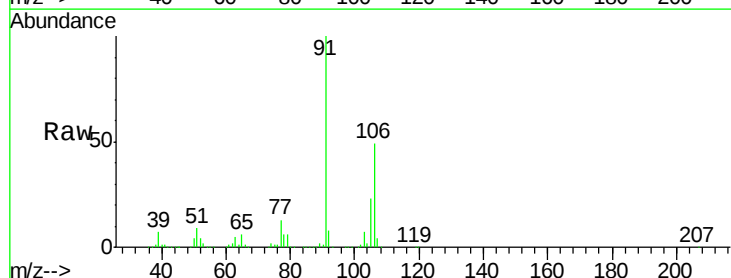
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-03

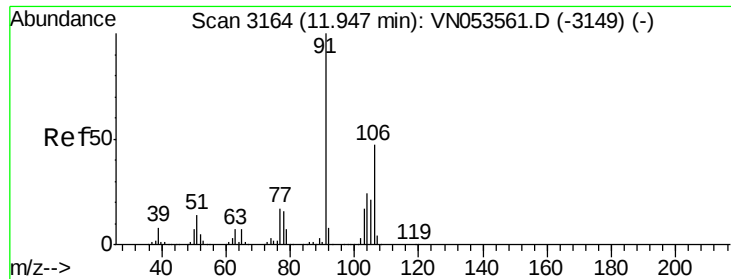
Tot Ion: 91 Resp: 320743
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



#68
m/p-Xylenes
Concen: 40.890 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 106 Resp: 647906
Ion Ratio Lower Upper
106 100
91 202.0 161.4 242.2

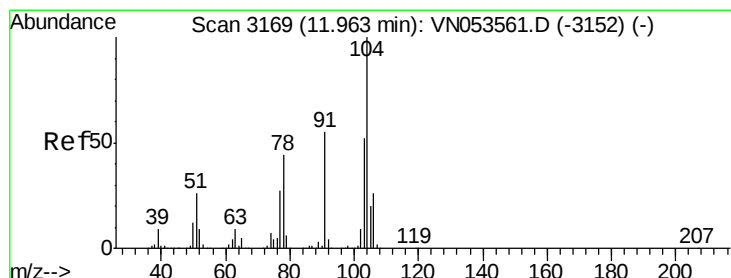
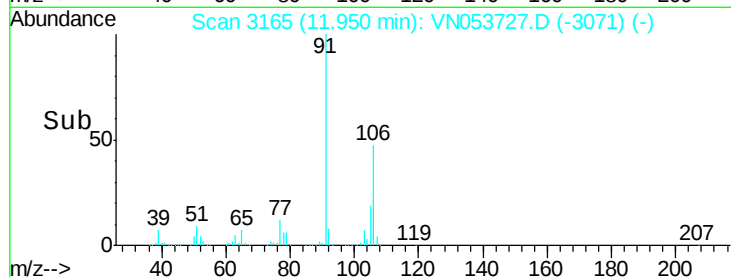
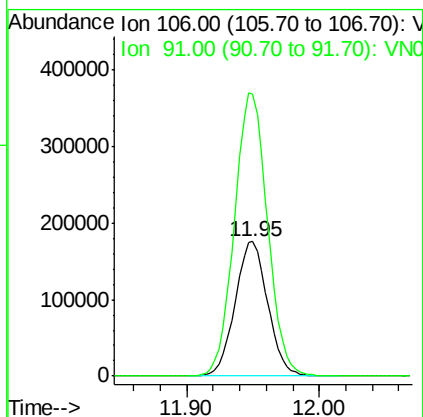
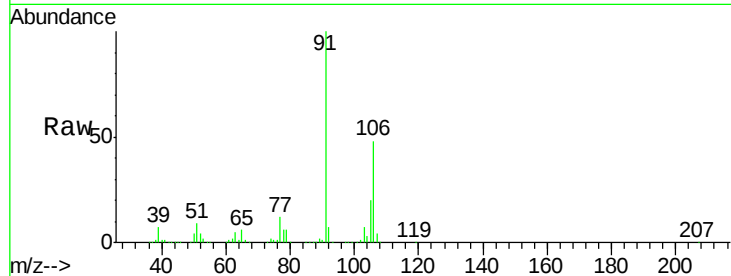




#69
o-Xylene
Concen: 19.644 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

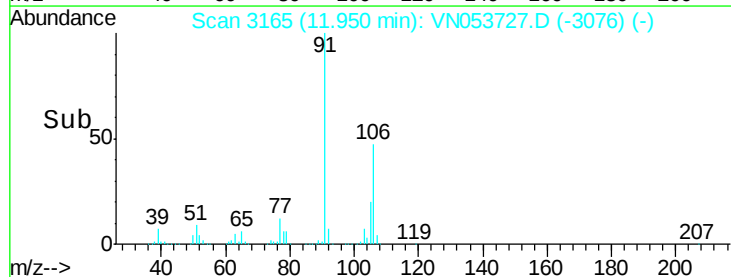
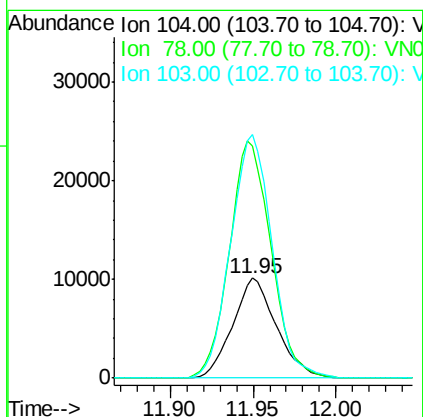
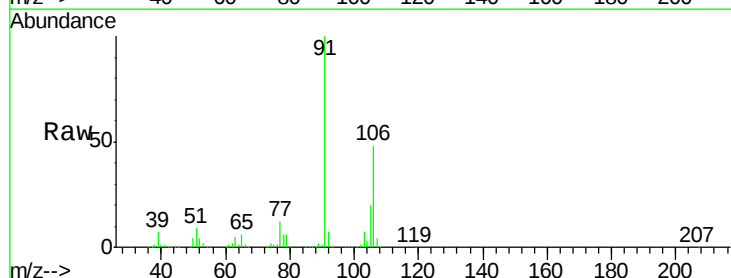
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-03

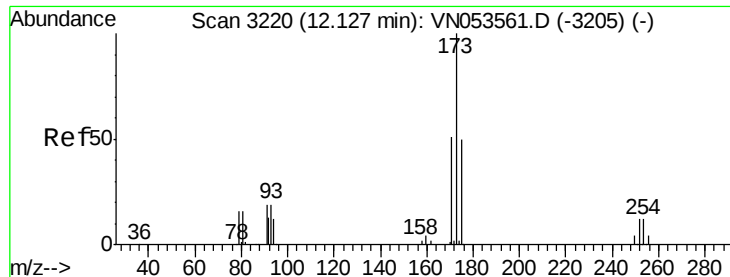
Tot Ion:106 Resp: 300709
Ion Ratio Lower Upper
106 100
91 213.5 106.9 320.8



#70
Styrene
Concen: 0.749 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion:104 Resp: 18583
Ion Ratio Lower Upper
104 100
78 226.4 38.2 57.2#
103 230.9 44.4 66.6#

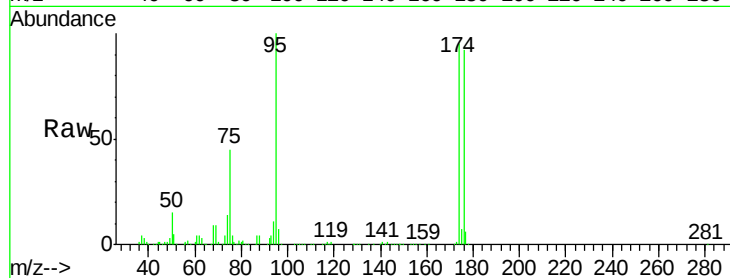




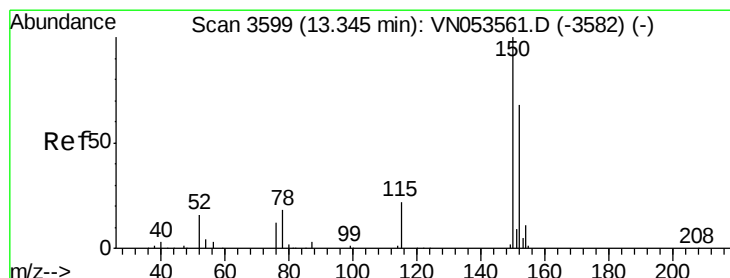
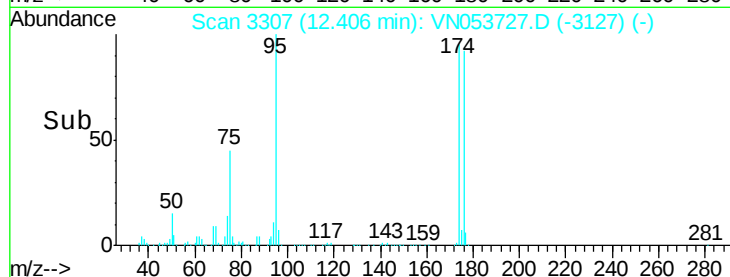
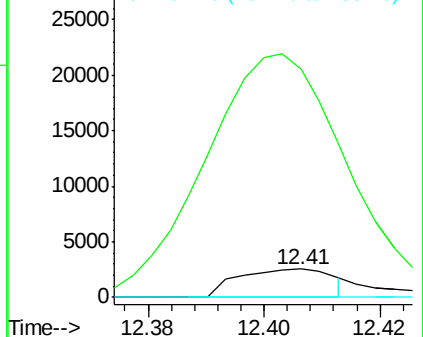
#71
Bromoform
Concen: 0.475 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-03

Tot Ion:173 Resp: 2876
Ion Ratio Lower Upper
173 100
175 1119.6 24.6 74.0#
254 0.0 0.2 0.2#

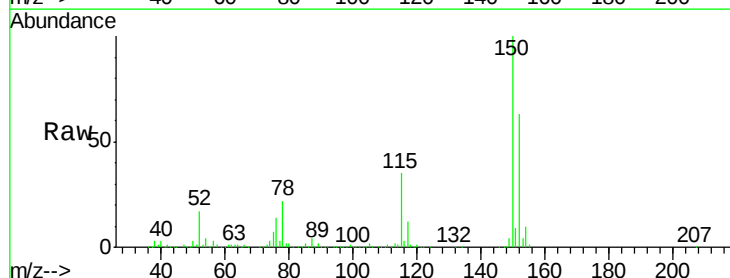


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

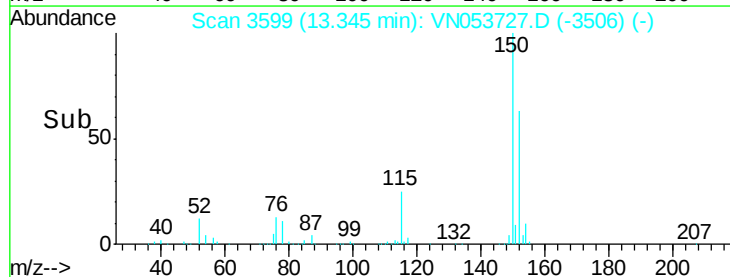
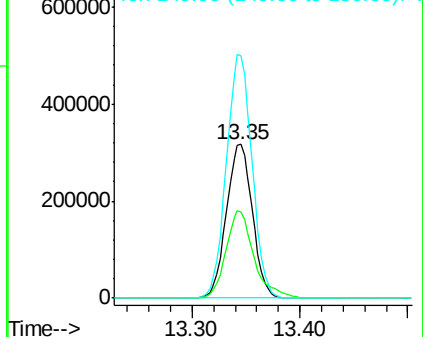


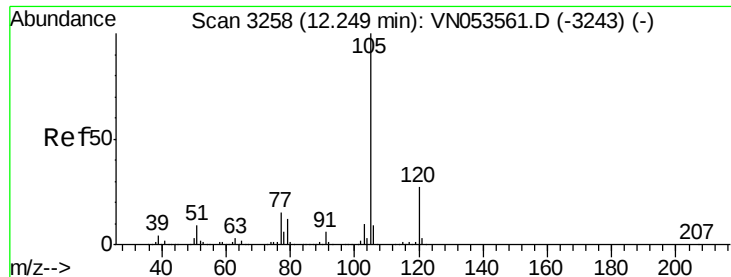
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion:152 Resp: 529583
Ion Ratio Lower Upper
152 100
115 60.7 27.8 83.4
150 156.9 0.0 349.0



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





#73

Isopropylbenzene

Concen: 0.470 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

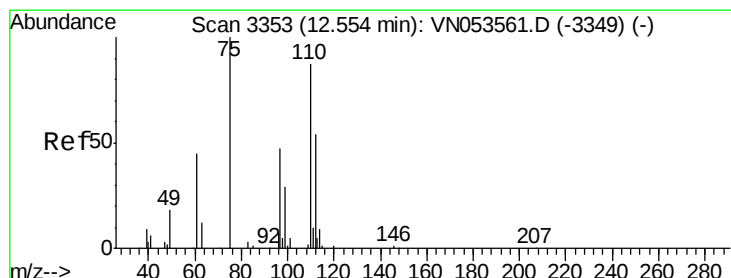
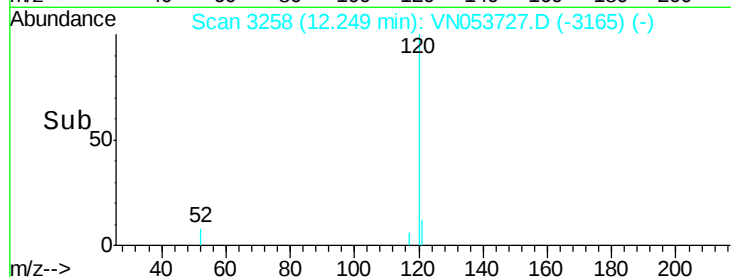
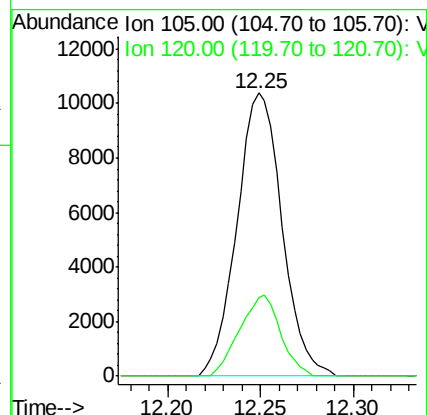
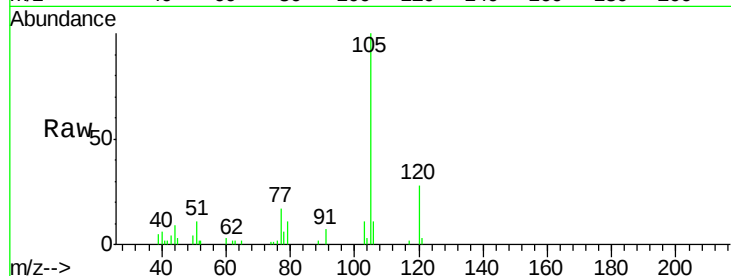
IDW-SOIL-03

Tot Ion:105 Resp: 17504

Ion Ratio Lower Upper

105 100

120 25.9 13.6 40.7



#76

1,2,3-Trichloropropane

Concen: 36.570 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053727.D

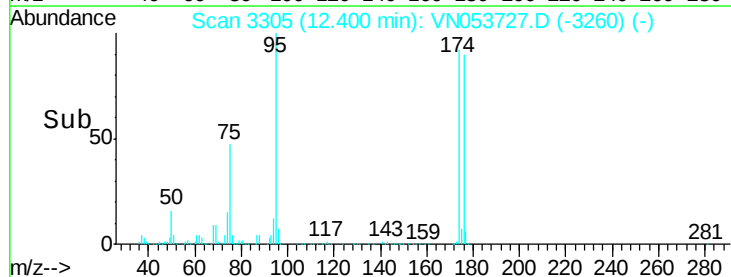
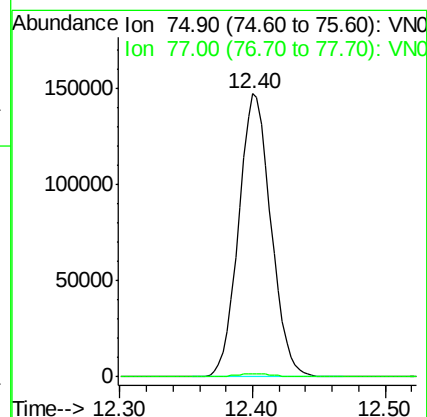
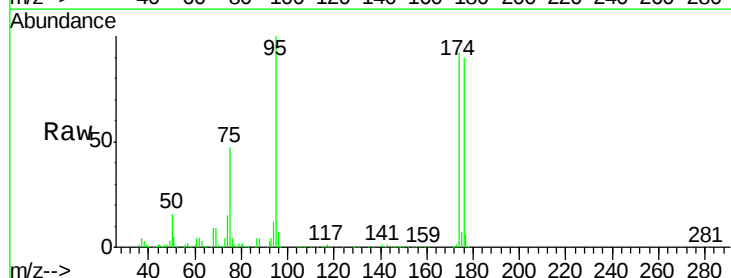
Acq: 12 Feb 2019 13:46

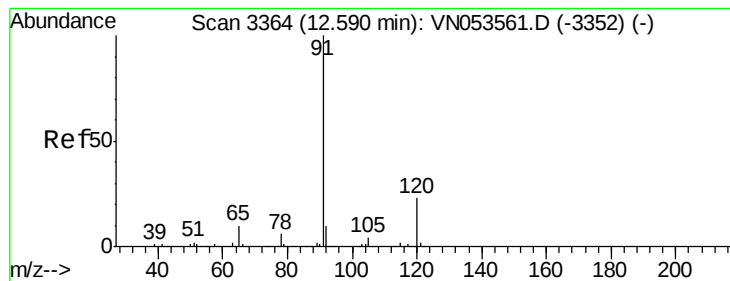
Tgt Ion: 75 Resp: 248752

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#78

n-propylbenzene

Concen: 2.624 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

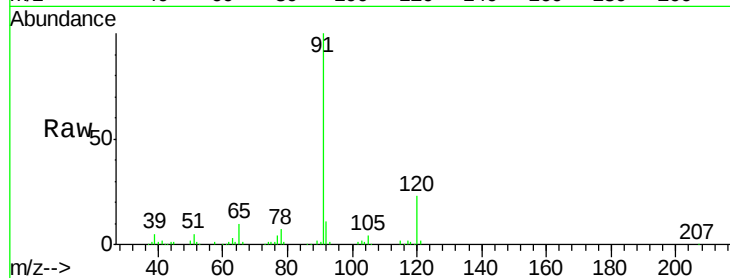
IDW-SOIL-03

Tot Ion: 91 Resp: 112932

Ion Ratio Lower Upper

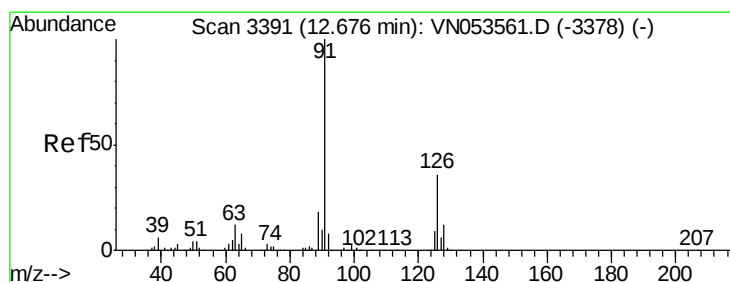
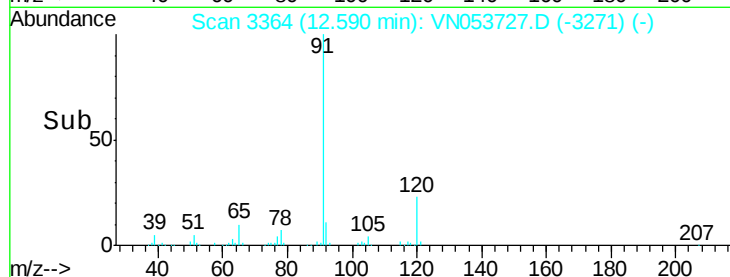
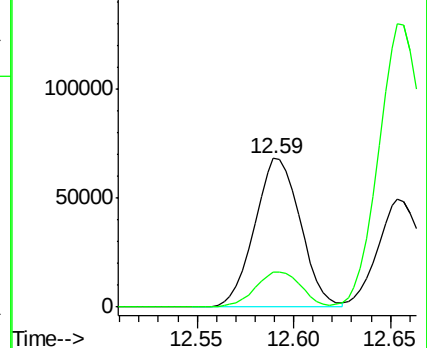
91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.052 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN053727.D

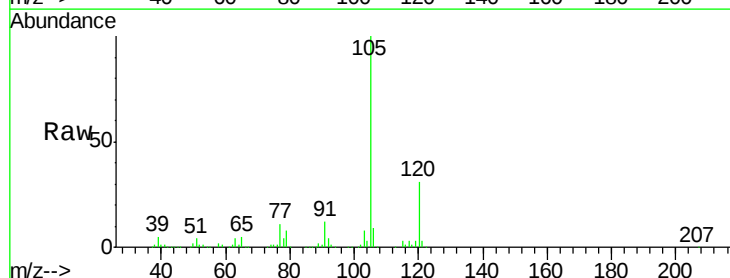
Acq: 12 Feb 2019 13:46

Tgt Ion: 91 Resp: 77930

Ion Ratio Lower Upper

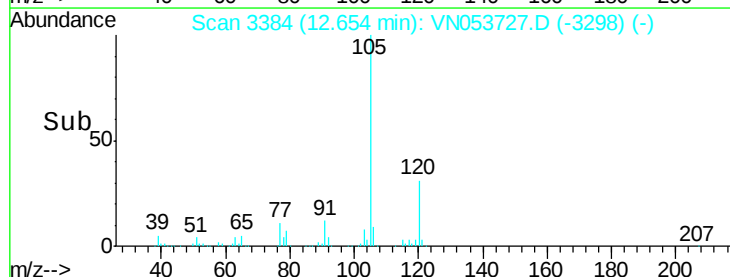
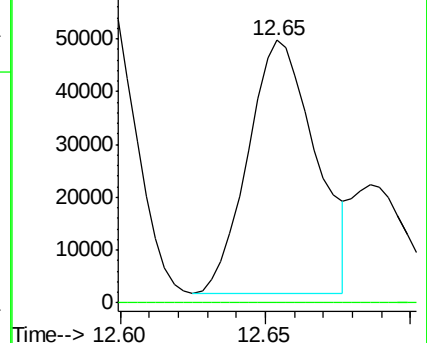
91 100

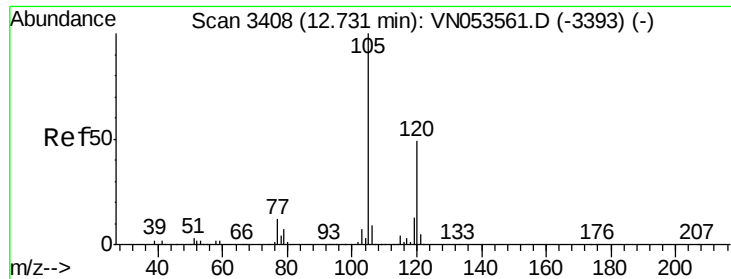
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 15.183 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

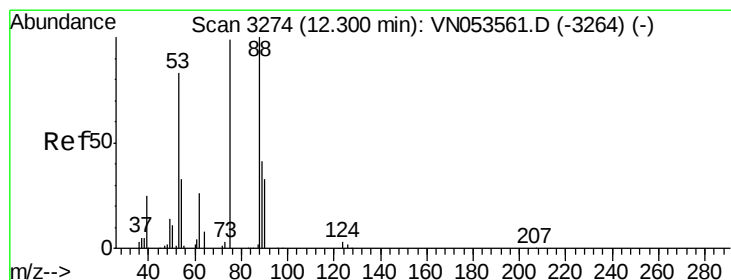
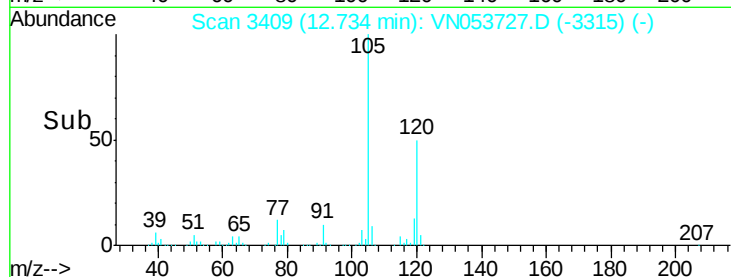
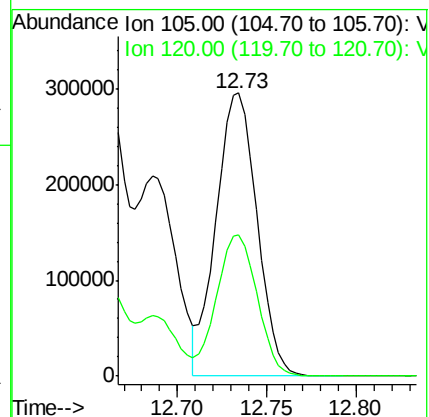
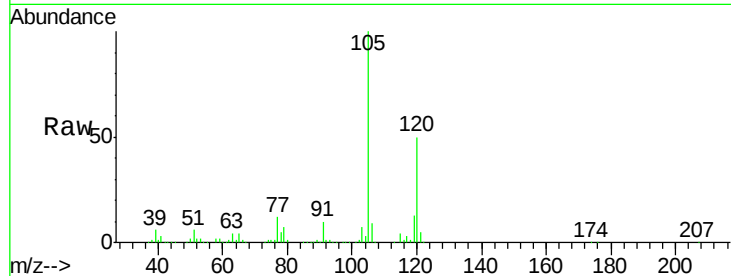
IDW-SOIL-03

Tot Ion:105 Resp: 468725

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 102.831 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

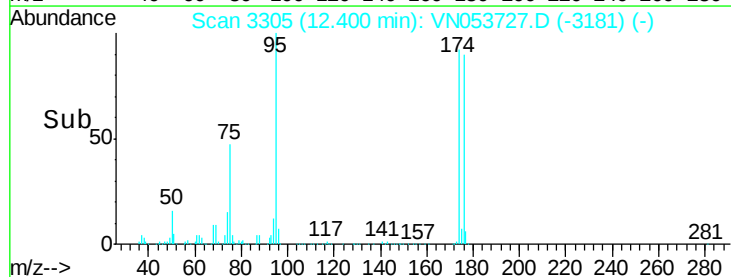
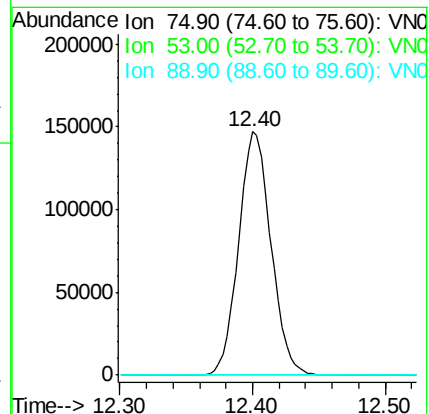
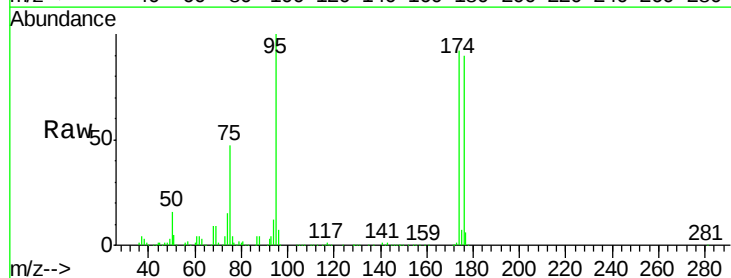
Tgt Ion: 75 Resp: 248752

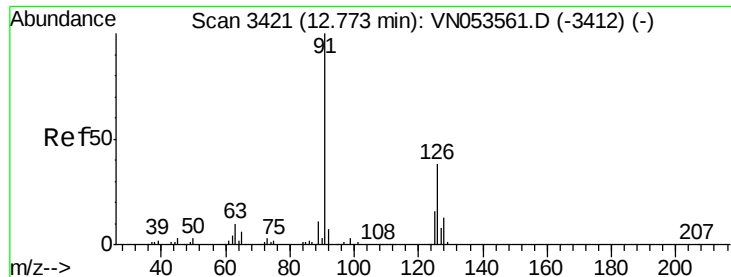
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

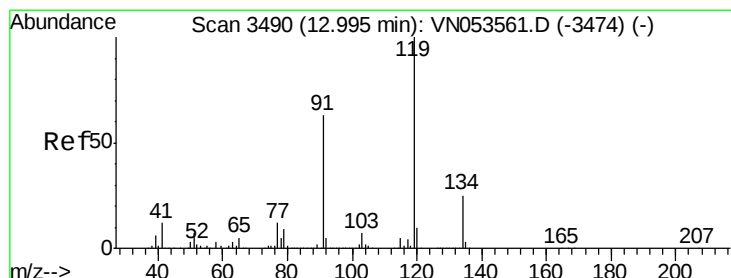
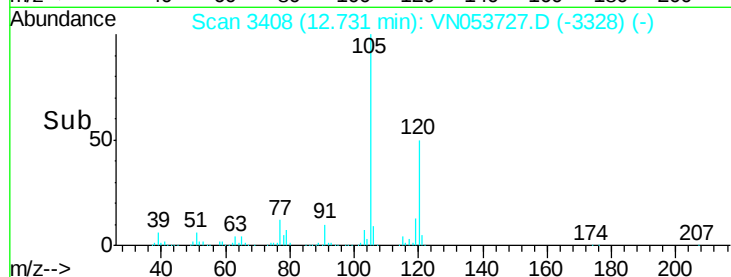
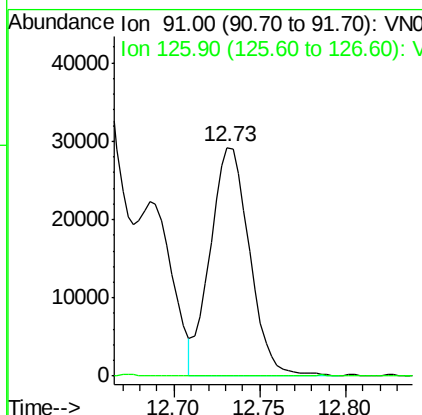
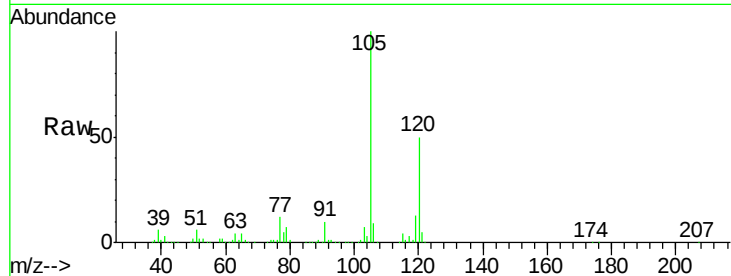




#82
4-Chlorotoluene
Concen: 1.784 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

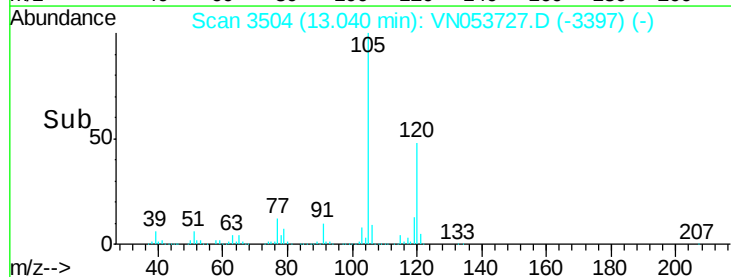
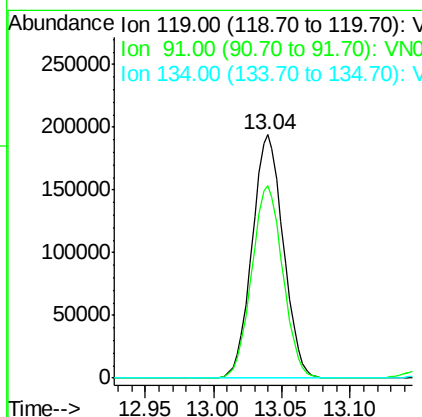
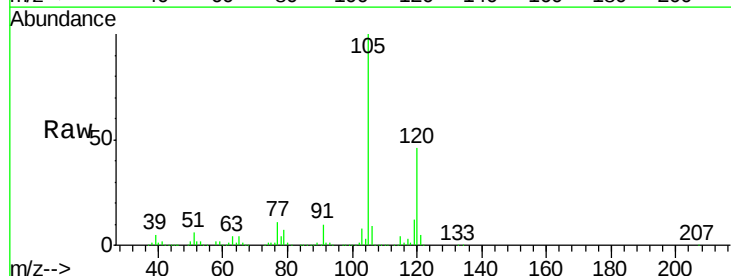
Instrument :
MSVOA_N
ClientSampled :
IDW-SOIL-03

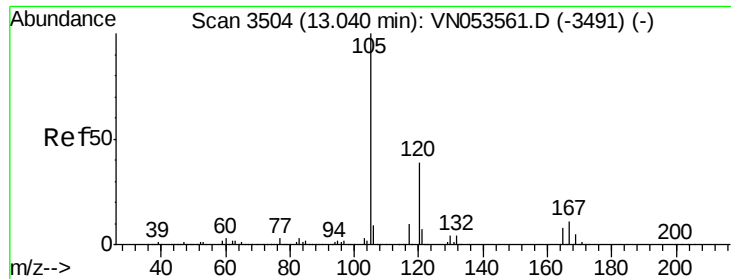
Tot Ion: 91 Resp: 46745
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



#83
tert-Butylbenzene
Concen: 11.285 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 119 Resp: 307914
Ion Ratio Lower Upper
119 100
91 79.0 31.3 93.8
134 0.0 12.9 38.7#





#84

1,2,4-Trimethylbenzene

Concen: 79.057 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampleId :

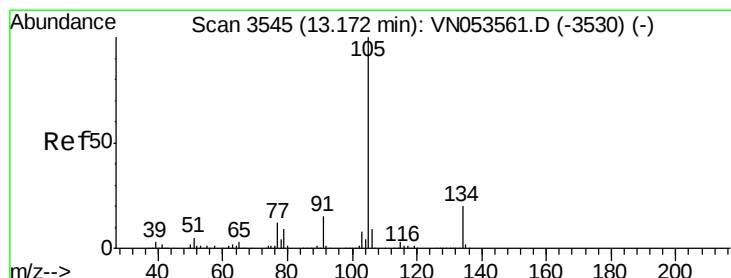
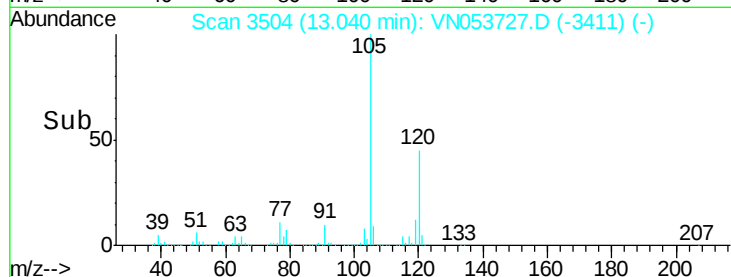
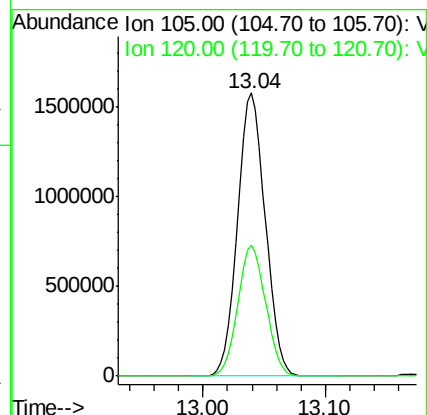
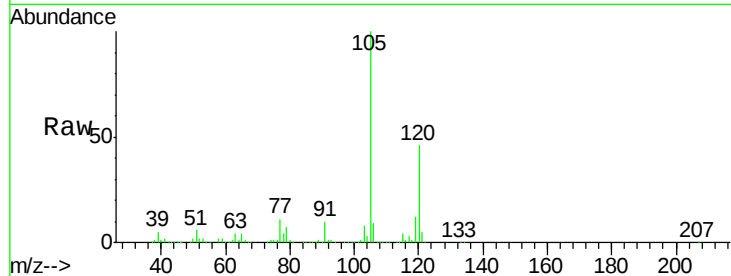
IDW-SOIL-03

Tot Ion:105 Resp: 2486554

Ion Ratio Lower Upper

105 100

120 46.3 23.0 69.0



#85

sec-Butylbenzene

Concen: 66.969 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053727.D

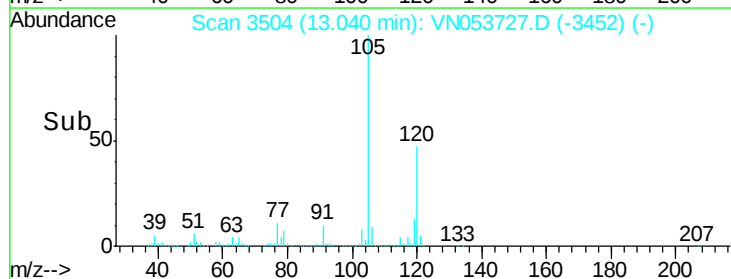
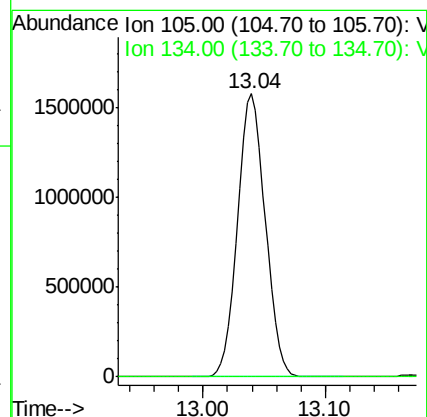
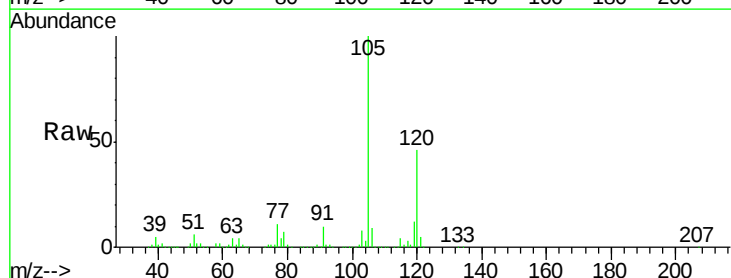
Acq: 12 Feb 2019 13:46

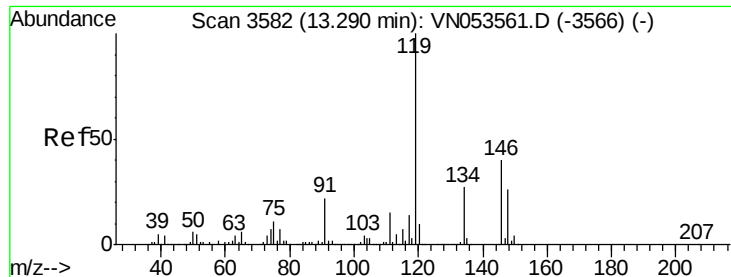
Tgt Ion:105 Resp: 2486554

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#

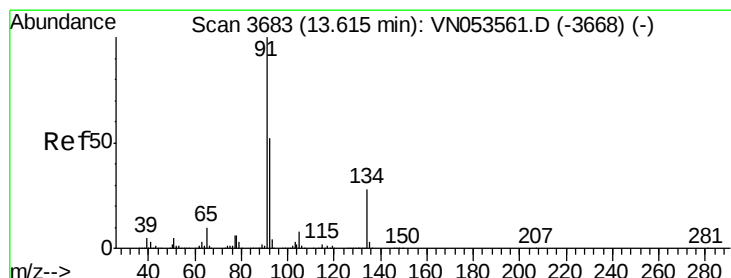
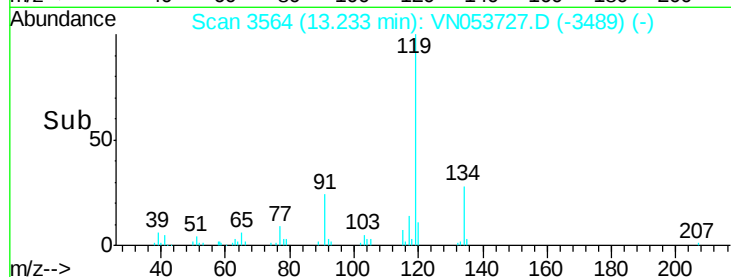
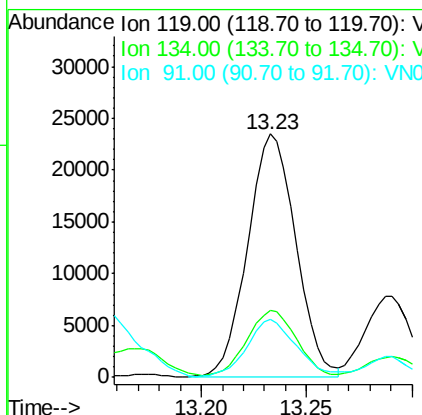
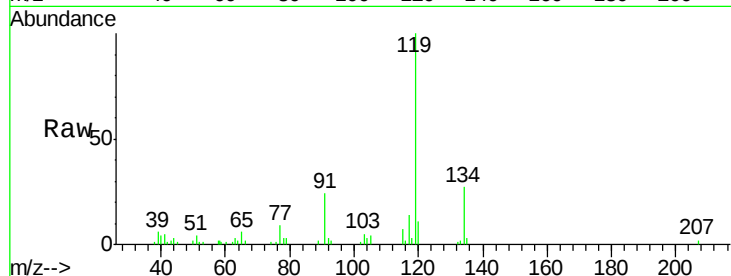




#86
p-Isopropyltoluene
Concen: 1.153 ug/l
RT: 13.23 min Scan# 3564
Delta R.T. -0.06 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

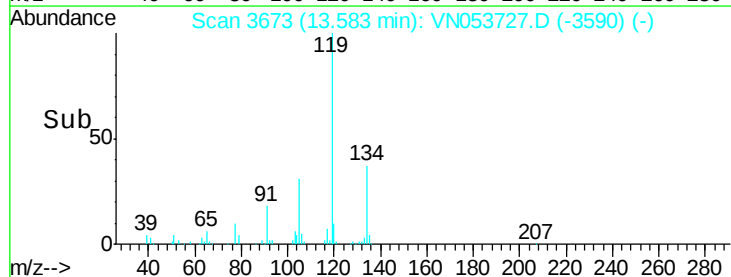
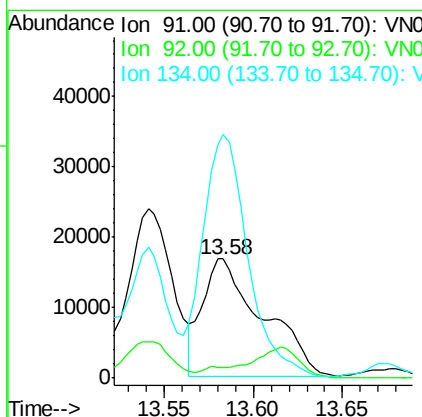
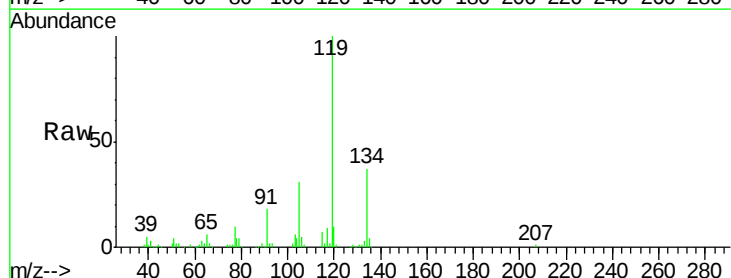
Instrument :
MSVOA_N
ClientSampleId :
IDW-SOIL-03

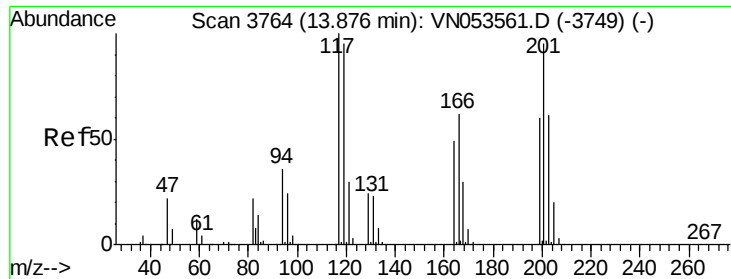
Tot Ion: 119 Resp: 37441
Ion Ratio Lower Upper
119 100
134 28.7 13.5 40.4
91 24.9 11.0 33.0



#89
n-Butylbenzene
Concen: 1.380 ug/l
RT: 13.58 min Scan# 3673
Delta R.T. -0.03 min
Lab File: VN053727.D
Acq: 12 Feb 2019 13:46

Tgt Ion: 91 Resp: 38780
Ion Ratio Lower Upper
91 100
92 3.6 26.3 78.8#
134 155.7 13.5 40.5#





#90

Hexachloroethane

Concen: 2.041 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

Instrument :

MSVOA_N

ClientSampled :

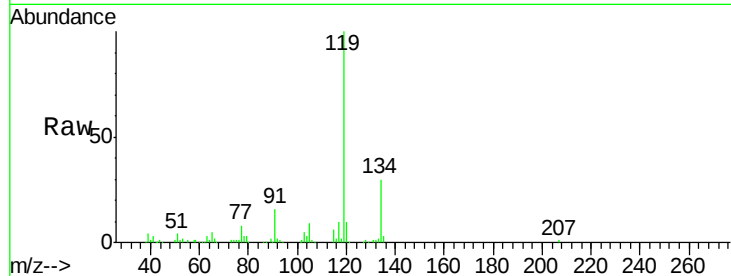
IDW-SOIL-03

Tot Ion:117 Resp: 10934

Ion Ratio Lower Upper

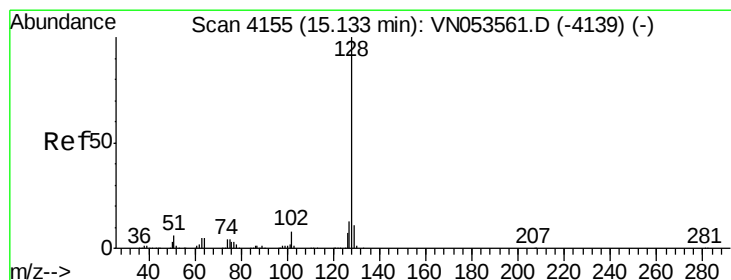
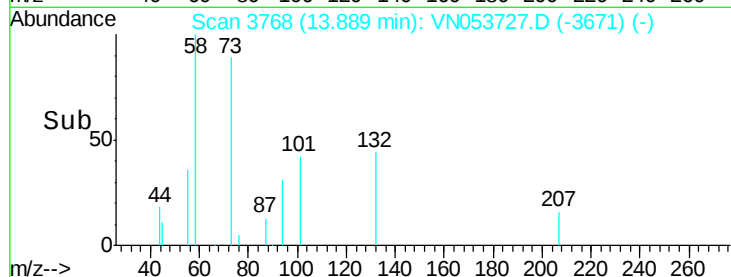
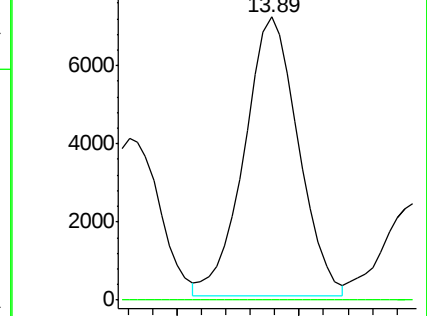
117 100

201 0.0 46.8 140.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 5.207 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053727.D

Acq: 12 Feb 2019 13:46

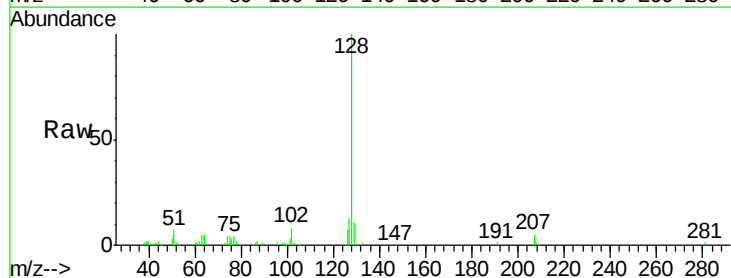
Tgt Ion:128 Resp: 83654

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 10.8 8.6 13.0



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

